

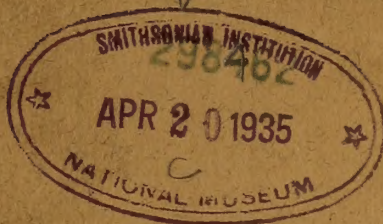
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LIST OF PATENTEES FOR THE YEAR 1934

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice)

Disclaimers follow in separate indexes, but precede the List of Inventions

- A. B. A. Specialties Company, Inc. (See Lang, Rudolph C.)
A-B-C Manufacturing Co. (See Best, Seward, assignor.)
A. B. See Elevator Company, Inc. (See See, Alva B., assignor.)
A-B Stove Company. (See Reedy, A. J., and Smith, assignor.)
A C Spark Plug Company. (See Bacon, Elbridge F., assignor.)
A C Spark Plug Company. (See Berdon, Albert E., assignor.)
A C Spark Plug Company. (See Blair, Mark L., assignor.)
A C Spark Plug Company. (See Clason, Ragnar, assignor.)
A C Spark Plug Company. (See Hampton, Leon N., assignor.)
A C Spark Plug Company. (See Helgeby, Ralph O., assignor.)
A C Spark Plug Company. (See Herron, A. E., and Lertzman, assignors.)
A C Spark Plug Company. (See Kamrath, Herbert G., assignor.)
A C Spark Plug Company. (See McDougal, Taine G., assignor.)
A C Spark Plug Company. (See McKinley, Charles W., assignor.)
A C Spark Plug Company. (See Rabezzana, Hector, assignor.)
A C Spark Plug Company. (See Rabezzana, H., and Duffendack, assignors.)
A C Spark Plug Company. (See Rabezzana, H., and Phelps, assignors.)
A C Spark Plug Company. (See Zubaty, Joseph, assignor.)
A. J. & K. Company. (See Janer, Andre, assignor.)
A. & J. Kitchen Tool Co. (See Rail, Charles E., assignor.)
A. P. W. Paper Co. (See Fairchild, William, assignor.)
Aalborg, Christian. (See Conrad, F., and Aalborg.)
Aaron, Harry, New York, N. Y. Hair clipper. 1,970,518; Aug. 14.
Aaronson, Harry J., Brooklyn, N. Y. Fabric or similar material. Des. 92,994; Aug. 14.
Abbate, Jacob, New York, N. Y. Dress. Des. 93,594; Oct. 16.
Abbe, Edward J., Cleveland Heights, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,977,815; Oct. 23.
Abbe, Ellis R. (See Putnam, J. F., and Abbe.)
Abbe, Ewald, Medford, Minn. Combined salt and pepper shaker. Des. 92,872; July 31.
Abbott, Adrian O., jr., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Manufacturing tires. 1,944,389; Jan. 23.
Abbott, Adrian O., jr., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Tire shaping apparatus. 1,949,443; Mar. 6.
Abbott, Adrian O., jr., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Apparatus for manufacturing tires. 1,961,725; June 5.
Abbott, Adrian O., jr., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Tire shaping machine. 1,961,727; June 5.
Abbott, Adrian O., jr., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Cutting apparatus. 1,967,853; July 24.
Abbott, Adrian O., jr., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Tire bead and making the same. 1,981,893; Nov. 27.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Hinged mandrel. 1,948,607; Feb. 27.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Mandrel. 1,948,608; Feb. 27.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Method and apparatus for manufacturing tires. 1,960,427; May 29.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for testing tires. 1,961,726; June 5.
Abbott, Adrian O., jr., Grosse Pointe Park, and G. K. McNeill, assignors to Morgan & Wright, Detroit, Mich. Machine for wrapping wires. 1,944,142; Jan. 16.
Abbott, Albert L., and C. H. Miller, assignors to The Diebold Safe & Lock Company, Canton, Ohio. Combination lock. 1,956,804; Apr. 24.
Abbott, Arthur V., Richmond, Va. Low temperature distillation of coal. 1,948,291; Jan. 16.
Abbott Ball Company, The. (See Matteson, George F., assignor.)
Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heating unit. 1,959,776; May 22.
Abbott, Charles E. (See Dunham, Julius C., assignor.)
Abbott, Charles G., Washington, D. C. Solar heater. 1,946,184; Feb. 6.
Abbott, Charles W., Larchmont, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric wiring system. 1,984,355; Dec. 18.
Abbott, Charles W., Larchmont, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric wiring system. 1,984,356; Dec. 18.
Abbott Company, The. (See Wiggin, Daniel W., assignor.)
Abbott, Cornelius F., and C. A. Conklin, 3d, assignors, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Adsorption system. 1,948,779; Feb. 27.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Process of and apparatus for spinning yarns. 1,960,403; May 29.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Textile machine. 1,964,714; July 3.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Strand-manipulating mechanism. 1,964,715; July 3.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Tension device. 1,965,363; July 3.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Skein-handling machine. 1,968,474; July 31.
Abbott, Edward J., and J. E. Ring, assignors to Abbott Machine Company, Wilton, N. H. Knot tying. 1,965,023; July 3.
Abbott, Edward L., et al. (See Cook, George H., assignor.)
Abbott, Ernest J. (See Firestone, F. A., Abbott, and Vincent.)
Abbott, Franz D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Compression testing machine. 1,952,523; Mar. 27.
Abbott, Gardner, trustee. (See Glaser, Rudolph A., assignor.)
Abbott, George L. (See Walker, Robinson M., assignor.)
Abbott, Harald W., St. Marys, Pa., assignor to Speer Carbon Company. Dynamo-electric brush cable. 1,959,848; May 22.
Abbott, James H., Bala-Cynwyd, Pa. Toothbrush. 1,950,767; Mar. 13.
Abbott, Julian R. (See Sullivan, E. D., and Abbott.)
Abbott Laboratories. (See Carter, E. B., and Moore, assignors.)
Abbott Laboratories. (See Moore, Marjorie B., assignor.)
Abbott Laboratories. (See Raiziss, George W., assignor.)
Abbott Laboratories. (See Thompson, Marvin R., assignor.)
Abbott Laboratories. (See Volwiler, E. H., and Tabern, assignors.)
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Abbott Machine Company. (See Abbott, E. J., and Ring, assignors.)
Abbott, Thomas A., Marblehead, Mass., assignor to General Electric Company. Outdoor electrical meter. Des. 92,690; July 10.
Abbott, Thomas A., Marblehead, Mass., assignor to General Electric Company. Meter casing. Des. 92,691; July 10.
Abbott, Thomas A., Marblehead, Mass., assignor to General Electric Company. Electric meter. 1,965,329; July 3.
Abbott, Walter G. (See Rourke, Alfred B., assignor.)
Abbott, Walter H. (See Jelliffe, H. W., and Abbott.)
Abbotts Dairies, Inc. (See Luckie, Edward B., assignor.)
Abegg, Walter A., Los Angeles, Calif., assignor of one half to B. Reinhold. Well drilling bit. Re19,236; July 17.
Abel, August, Leipzig, Germany. Device for recording check values and maintaining balance. 1,983,587; Dec. 11.
Abel, Frank J., Massapequa, N. Y. Cigar lighter. Des. 91,916; Apr. 10.
Abel, Frank J., Massapequa, N. Y. Book end. Des. 92,280; May 22.

- Abel, Gilbert D., Knoxville, assignor of one-half to J. J. Mehl, Pittsburgh, Pa. Expandable tray. 1,976,427; Oct. 9.
- Abel, Harry B., Macon, Ga., assignor, by mesne assignments, to Nye Odorless Incinerator Company. Incinerator. 1,963,574; June 19.
- Abel, Walter T., Waterville, assignor to The Patent Button Company, Waterbury, Conn. Metal button. 1,973,243; Sept. 11.
- Abell, Rollin, Milton, Mass. Engine drive mechanism. 1,974,555; Sept. 25.
- Abell, Rollin, Milton, Mass. Engine drive mechanism. 1,984,297; Dec. 11.
- Abelson & Braun, Inc. (See Braun, Julius, assignor.)
- Abendroth, Elmer T., assignor to The Oakes Manufacturing Company, Inc., Tipton, Ind. Incubator. 1,943,575; Jan. 16.
- Abercrombie Company, J. S. (See Earley, Moyer G., assignor.)
- Abercrombie, James S. (See Martin, John R., assignor.)
- Aberle, Carl F. and H. G., St. Louis, Mo. Window. 1,975,187; Oct. 2.
- Aberle, Henry G. (See Aberle, C. F. and H. G.)
- Abernethy, David, Omaha, Nebr. Gelatinous product. 1,974,228; Sept. 18.
- Abernethy, David, Omaha, Nebr. Method and apparatus for rapidly drying gelatinous material. 1,980,898; Nov. 13.
- Aberson, Nathaniel L., Detroit, Mich. Machine for making multiple unit structural slabs. 1,948,087; Feb. 20.
- Abert, Hamilton, New York, N. Y., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction facing. 1,941,872; Jan. 2.
- Abingdon Sanitary Mfg. Co. (See Simpson, James, assignor.)
- Abington Textile Machinery Works. (See Clark, Ernest, assignor.)
- Aborn, Lucius E., River Forest, Ill. Printing press. 1,975,891; Oct. 9.
- Abowitz, Jacob, New York, N. Y. Shoe. Des. 93,194; Sept. 4.
- Abraham, Alfred, and R. A. M. Cheek, County of Kent, England. Bathing tent and the like. 1,945,360; Jan. 30.
- Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 1,964,410; June 26.
- Abraham, Leonard G. (See Wright, S. B., Mitchell, and Abraham.)
- Abraham, Leonard G., Madison, N. J., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,961,274; June 5.
- Abraham, Solomon D., assignor to Comfort Ear-Lap Co., Milwaukee, Wis. Ear-muff. Des. 92,566; June 26.
- Abrahams, Alexander I., New York, N. Y. Sound unit. 1,941,776; Jan. 2.
- Abrahams, Nathan, St. Louis, Mo. Door latch. 1,961,472; June 5.
- Abrahams, Ulrich A., Newark, N. J. Metallic weather-strip for windows. 1,976,472; Oct. 9.
- Abrahamsen, Alfred W., assignor to Hook Scraper Company, Incorporated, Queens Village, N. Y. Scraper. 1,943,252; Jan. 9.
- Abrams, Albert A., St. Louis, Mo. Game. 1,957,748; May 8.
- Abrams, Gertrude. (See Abrams, Mary I. and G.)
- Abrams, Mary I. and G., Portland, Oreg. Slumber screen. 1,979,520; Nov. 6.
- Abrams, Norman H., Waco, assignor to Dallas Foundry, Dallas, Tex. Meter yoke. 1,960,568; May 29.
- Abramsen, Petter B., Dormont, Pa. Apparatus for finishing tubes and rounds. 1,977,223; Oct. 16.
- Abramsen, Petter B., Dormont, Pa. Tube clamping and carrying device. 1,985,757; Dec. 25.
- Abramsen, Petter B., Pittsburgh, Pa. Cross rolling machine. 1,979,133; Oct. 30.
- Abramsen, Petter B., Pittsburgh, Pa. Conveying and straightening apparatus. 1,979,134; Oct. 30.
- Abramson, Abraham, New York, N. Y. Electric bulb or similar article. Des. 91,809; Jan. 9.
- Abramson, Abraham, New York, N. Y. Current-tapping device. 1,983,725; Dec. 11.
- Abramson, Abraham, New York, N. Y., assignor to Raylite Trading Company, Inc. Portable electric lighting outfit. 1,980,948; Nov. 13.
- Abramson, Alvin A., assignor to Central States Paper and Bag Company, St. Louis, Mo. Bag. 1,957,402; May 1.
- Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. Co., Rockford, Ill. Pipe pusher. 1,962,228; June 12.
- Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Bender. 1,964,550; June 26.
- Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Screw driver. 1,971,289; Aug. 21.
- Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Ratchet mechanism. 1,971,290; Aug. 21.
- Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Ratchet device. 1,971,291; Aug. 21.
- Abresch, William Y., Gastonia, N. C. Hat stretcher. 1,976,711; Oct. 16.
- Abshagen, Franz, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,951,117; Mar. 13.
- Abt, Hugo A. F., Elmhurst, Ill. Arch construction. 1,963,060; June 19.
- Acasio, Leopoldo, San Felipe, assignor of twenty per cent to H. de Dios, San Narciso, and ten per cent to C. Senense, San Felipe, Zambales, P. I. Planter. 1,972,325; Sept. 4.
- Accounting & Tabulating Corporation, The. (See Brougham, Leslie E., assignor.)
- Accounting & Tabulating Corporation of Great Britain Limited. (See English, Francis G. S., assignor.)
- Accounting & Tabulating Corporation of Great Britain Limited, The. (See Smith, N. G., and Thomas, assignors.)
- Accounting & Tabulating Corporation of Great Britain Limited, The. (See Thomas, A., and Blamey, assignors.)
- Accounting & Tabulating Corporation of Gt. Britain, Limited, The. (See Thomas, A., and English, assignors.)
- Ace Carton Corporation. (See Traeger, P. E., and Berg, assignors.)
- Ace Mfg. Co. (See Pentecost, William A., assignor.)
- Aceta, G. m. b. H. (See Friederich, A., and Schlack, assignors.)
- Aceta, G. m. b. H. (See Schlack, P., and Sauter, assignors.)
- Aceves, Julius G. (See Amy, E. V., and Aceves.)
- Aceves, Julius G., assignor to Revelation Patents Holding Company, New York, N. Y. Wave transmission system. 1,953,455; Apr. 3.
- Aceves, Julius G., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Current amplifying system. 1,982,777; Dec. 4.
- Aceves, Julius G., assignor, by mesne assignments, to L. G. Pacent, New York, N. Y. Tone control. 1,984,357; Dec. 18.
- Aceves, Julius G., assignor, by mesne assignments, to L. G. Pacent, New York, N. Y. Compensated amplifier. 1,984,450; Dec. 18.
- Aceves, Rubén, New York, N. Y. Electrical conductor. 1,944,390; Jan. 23.
- Acheson Graphite Company. (See O'Neil, F. E., and Calahan, assignors.)
- Acheson, Marcus A., Schenectady, N. Y., assignor to General Electric Company. Electron discharge apparatus. 1,947,179; Feb. 13.
- Acheson, Marcus A., Schenectady, N. Y., assignor to General Electric Company. Electrode for electron discharge devices. 1,956,408; Apr. 24.
- Acht, Heinrich, Berlin, Germany. Photographic lens system. 1,967,214; July 24.
- Acht, Heinrich, Berlin, Germany. Photographic lens system. 1,967,215; July 24.
- Achterhof, Marvin, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Artificial turf and making the same. 1,949,068; Feb. 27.
- Acito, Joseph. (See Timen, P., and Acito.)
- Acker, George H., assignor to Cleveland Worm and Gear Company, Cleveland, Ohio. Worm gear reduction unit. 1,972,911; Sept. 11.
- Ackerman, Adolph J., Madden Dam, Canal Zone. Cableway tower. 1,944,054; Jan. 16.
- Ackerman-Blaesser-Fezzey, Incorporated. (See Ackerman, Edward L., assignor.)
- Ackerman, Charles V., Clifton, N. J. Head for golf sticks and the like. 1,975,307; Oct. 2.
- Ackerman, Edward L., assignor to Ackerman-Blaesser-Fezzey, Incorporated, Detroit, Mich. Window regulator. 1,943,358; Jan. 16.
- Ackerman, Edward L., assignor to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Sash operating mechanism. 1,943,359; Jan. 16.
- Ackerman, Frank. (See Gould, H., and Ackerman.)
- Ackerman, Frank, University City, assignor to Curtis Manufacturing Company, Wellston, Mo. Lifting apparatus. 1,951,118; Mar. 13.
- Ackerman, Frederick W. (See Clark, J. R., and Ackerman.)
- Ackerman, Gottlieb, Berlin, Germany. Safety valve. 1,952,646; Mar. 27.
- Ackerman, J. R., Corporation. (See Ackerman, John R., assignor.)
- Ackerman, James E., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-guiding device for sewing machines. 1,957,403; May 1.
- Ackerman, John R., Wayne, Pa., assignor to J. R. Ackerman Corporation. Water heater. 1,965,208; July 3.
- Ackerman, Michael H., Mansfield, Ohio. Apparatus for freezing materials and storing and dispensing frozen products. 1,968,812; Aug. 7.
- Ackerman, Michael H., Mansfield, Ohio. Apparatus for storing and dispensing products. 1,968,813; Aug. 7.
- Ackerman, Michael H., Mansfield, assignor to The H. H. Miller Industries Company, Canton, Ohio. Apparatus for cooling or freezing. 1,960,074; May 22.
- Ackerman, Michael H., Mansfield, assignor to The H. H. Miller Industries Company, Canton, Ohio. Apparatus for cooling or freezing. 1,960,075; May 22.
- Ackerman, Paul C., Canton, Ohio. Automatic speed change power transmission apparatus. 1,969,289; Aug. 7.
- Ackerman, Paul C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,982,896; Dec. 4.
- Ackermann, Gottlieb, Berlin, Germany. Safety valve. 1,972,435; Sept. 4.

- Ackermann, Karl, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Electrode for secondary cells. 1,942,791; Jan. 9.
- Ackerson, Alfred H., Glen Ellyn, Ill. Ice cube tongs. 1,967,731; July 24.
- Ackerson, Alfred H., Glen Ellyn, assignor to Utili-Tong, Inc., Chicago, Ill. Ice cube tongs. 1,980,465; Nov. 13.
- Ackley, Raymond E., assignor to R. R. Donnelly & Sons Co., Chicago, Ill. Signature gathering machine. 1,977,369; Oct. 16.
- Ackley, Raymond E., assignor to R. R. Donnelly & Sons Co., Chicago, Ill. Inserting and wrapping machine. 1,984,955; Dec. 18.
- Aclly, Harry M., Pittsfield, Mass., assignor to General Electric Company, Transformer. 1,959,191; May 15.
- Acme Card System Company. (See Powell, Frank D., assignor.)
- Acme Chair Company. (See Clarin, Werner E., assignor.)
- Acme Check Company, The. (See Krakau, Harry T., assignor.)
- Acme Electric & Manufacturing Company, The. (See Comstock, James A., assignor.)
- Acme Foundry and Machine Company. (See Fletcher, Albert C., assignor.)
- Acme Hough Manufacturing Company. (See Ellis, John, assignor.)
- Acme Knitting Machine & Needle Company. (See Stewart, Albert E., assignor.)
- Acme Motion Picture Projector Company. (See De Vault, Ralph P., assignor.)
- Acme Motion Picture Projector Company. (See Larsen, Louis B., assignor.)
- Acme Shear Company, The. (See Best, Percival H., assignor.)
- Acme Shear Company, The. (See Conway, John J., assignor.)
- Acme Steel Company. (See Childress, William C., assignor.)
- Acme Steel Company. (See MacChesney, Chester M., assignor.)
- Acme Steel Company. (See MacChesney, C. M., and Wilson, assignors.)
- Acme Steel Company. (See Ott, John E., assignor.)
- Acme Steel Company. (See Paxton, Hale, assignor.)
- Acme Steel Company. (See Wilson, Allen B., assignor.)
- Acme Traffic Signal Company. (See Glock, Carl A., assignor.)
- Acme White Lead and Color Works. (See Thalmheimer, Samuel J., assignor.)
- Acmeline Manufacturing Company. (See Novak, John L., assignor.)
- Acorn Wire & Iron Works. (See Kitzelman, Herman, assignor.)
- Acosso, John, and C. De Donato, Brooklyn, N. Y. Set of playing cards. Des. 92,225; May 15.
- Acqua-Pruf, Inc. (See De Bow, Richard E. A., assignor.)
- Acre, Ray, Wheaton, Ill. Vacuum process of welding. 1,956,818; May 1.
- Acree, Solomon F., Washington, D. C. Capillary colloid mill. 1,980,589; Nov. 13.
- Actiengesellschaft C. P. Goerz Optische Anstalt Actiova Spolecnost K. P. Goerz Opticky Ustav. (See Clementi, Antonio, assignor.)
- Actiengesellschaft C. P. Goerz Optische Anstalt Actiova Spolecnost K. P. Goerz Opticky Ustav. (See Petschenig, Karl, assignor.)
- Acton, Frank, Columbus, assignor to Francisco Auto Heater Company, Cleveland, Ohio. Motor vehicle heater casing or similar article. Des. 93,435; Oct. 2.
- Acton, Len, assignor to R. Burdick, Dallas, Tex. Display grille. 1,982,131; Nov. 27.
- Acton, Russel D., Chicago, Ill. Air cleaner. 1,960,260; May 29.
- Acton, Walter, assignor to Brown & Polson Limited, Paisley, Scotland. Manufacture of products derived from maize. 1,960,985; May 29.
- Acuff, James D., Jasper, Ala. Turntable. 1,969,634; Aug. 7.
- Adair, George P., San Antonio, Tex. Radio receiving system. 1,949,136; Feb. 27.
- Adair Royalties Co. Inc. (See Nelson, Archer, assignor.)
- Adair, Sidney T., and C. F. Cushing, assignors, by mesne assignments, to Chester F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Purifying gases. 1,945,407; Jan. 30.
- Adaire, William R., Washington, R. I., assignor to Gehring, Solomon & Birnbaum, Inc., New York, N. Y. Lace. Des. 93,806; Nov. 13.
- Adam, Frank, Electric Co. (See Adam, Frederick B., assignor.)
- Adam, Frank, Electric Co. (See Green, Floyd S., assignor.)
- Adam, Frank, Electric Co. (See Stieglitz, Henry M., assignor.)
- Adam, Frank, Electric Co. (See Westerfelhaus, Raymond, assignor.)
- Adam, Frederick B., assignor to Frank Adam Electric Co., St. Louis, Mo. Remotely controlled electric switch. 1,948,088; Feb. 20.
- Adam, Frederick B., assignor to Frank Adam Electric Co., St. Louis, Mo. Panelboard. 1,977,032; Oct. 16.
- Adam, Heinrich, Worms-on-the-Rhine, assignor to Engering-Union-Werke Aktiengesellschaft, Pfeddersheim, Germany. Filter element. 1,971,972; Aug. 28.
- Adams, Alexander W., Lorne Park, assignor to J. C. Adams Company Limited, Toronto, Ontario, Canada. Hot-air gun. 1,946,262; Feb. 6.
- Adams, Arthur H., New York, N. Y. Centrifugal treating machine. 1,952,574; Mar. 27.
- Adams, Arthur H., New York, and P. R. Adams, Yonkers, N. Y. Mixer. 1,977,419; Oct. 16.
- Adams, Arthur L., Ensenada, P. R. Furnace for burning bagasse. 1,952,227; Mar. 27.
- Adams, Augustus H., Miami, Fla. Advertising drinking fountain. Des. 92,157; May 8.
- Adams, Charles A., assignor to Mathews Conveyor Company, Ellwood City, Pa. Conveyor. 1,943,998; Jan. 16.
- Adams, Charles A., administrator. (See Adams, Dewey O.)
- Adams, Charles F., New York, N. Y. Cup dropping machine. 1,945,846; Feb. 6.
- Adams, Charles F., New York, N. Y. Cup dropping machine. 1,959,327; May 22.
- Adams, Charles F., New York, N. Y. Cup dropping machine. 1,979,089; Oct. 30.
- Adams, Charles R., Donovan, Saskatchewan, Canada. Straw gathering attachment for harvesters. 1,980,027; Nov. 6.
- Adams, Chester E. (See McGill, W. J., and Adams.)
- Adams, Chester E., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Oil-wax separation system. 1,948,018; Feb. 20.
- Adams, Chester E., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Dewaxing hydrocarbon oils. 1,968,239; July 31.
- Adams, Christopher N. (See Winsor, P. H. D., and Adams.)
- Adams Coal Machinery Company. (See Adams, Henry, assignor.)
- Adams Company, The. (See Meyer, J. B., and Groff, assignors.)
- Adams, Daniel, Evanston, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for annealing sheet glass. 1,955,163; Apr. 17.
- Adams, Daniel, Evanston, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for drawing sheet glass. 1,967,047; July 17.
- Adams, Dewey O., deceased, by C. A. Adams, administrator, assignor to Mathews Conveyor Company, Ellwood City, Pa. Feeding mechanism for conveying systems. 1,954,273; Apr. 10.
- Adams, Earl E., Los Angeles, Calif. Hydraulic propulsion of vehicles. 1,977,033; Oct. 16.
- Adams, Edwin O., Shelby, Mont. Hose wrench. 1,945,406; Jan. 30.
- Adams, Elmer W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Insecticide and insectifuge. 1,957,429; May 8.
- Adams, Elmer W., Hammond, assignor to Standard Oil Company, Whiting, Ind. Insecticide. 1,969,491; Aug. 7.
- Adams, Elmer W., and G. M. McNulty, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Insecticide and insectifuge. 1,942,892; Jan. 9.
- Adams, Ervin, assignor of part interest to R. Largioll, R. D. Strawn, W. H. Ehret, B. Bodner, H. W. Brecker, and M. J. Haney, Mount Carmel, Pa. Static and interference eliminator. 1,946,606; Feb. 13.
- Adams, Ervin, deceased, Everett, assignor of one-half to S. W. Blakslee, Pottsville, Pa.; W. F. Dill, administrator. Electric plug. 1,974,700; Sept. 25.
- Adams, Ervin, Everett, and S. W. Blakslee, Pottsville, Pa. Fuse. 1,945,672; Feb. 6.
- Adams, Floyd R., Maud, Okla. Rotary tongs. 1,955,727; Apr. 24.
- Adams, Floyd W., Peoria, Ill., assignor to The Barrett Company, New York, N. Y. Continuous weighing device. 1,960,428; May 29.
- Adams, Frank, assignor to Ideal Electric & Manufacturing Co., Mansfield, Ohio. Coupling. 1,962,229; June 12.
- Adams, Frank H., Cleveland Heights, Ohio. Machine for cutting spiral bevel gears. 1,973,133; Sept. 11.
- Adams, Frank H., Cleveland Heights, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Cutter for forming spiral bevel gears. 1,973,134; Sept. 11.
- Adams, Frank H., Cleveland Heights, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Cutting spiral bevel gears. 1,973,135; Sept. 11.
- Adams, Frederick J., Philadelphia, Pa. Bolt lock. 1,985,272; Dec. 25.
- Adams, Harold A., Bakersfield, Calif. Television transmitter. 1,968,979; Aug. 7.
- Adams, Harold B., Monett, Mo. Refrigerator. 1,948,780; Feb. 27.
- Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Stuffing box. 1,973,323; Sept. 11.
- Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Heating means for coal tipplies and the like. 1,955,164; Apr. 17.
- Adams, Henry T., Chicago, Ill. Adjustable ring book. 1,982,409; Nov. 27.
- Adams, Herbert L., Washington, D. C., assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute apparatus. 1,972,813; Sept. 4.
- Adams, Ira J. (See Roberts, Walter van B., assignor.)
- Adams, J. C., Company Limited. (See Adams, Alexander W., assignor.)
- Adams, J. D., Manufacturing Company. (See Adams, Roy E., assignor.)

- Adams, James L., jr., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Induction welder. 1,941,526; Jan. 2.
- Adams, James L., jr., Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company. Tube forming machine. 1,942,466; Jan. 9.
- Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Apparatus for welding. 1,948,154; Feb. 20.
- Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method and apparatus for forming welded material. 1,954,511; Apr. 10.
- Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Induction heating and welding apparatus. 1,966,534; July 17.
- Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method and apparatus for forming material. 1,980,308; Nov. 13.
- Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method and apparatus for forming and welding articles. 1,981,894; Nov. 27.
- Adams, James L., jr., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Apparatus for welding. 1,983,159; Dec. 4.
- Adams, James L., jr., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Electric welding apparatus. 1,983,160; Dec. 4.
- Adams, James W., assignor to Oil Well Supply Company, Dallas, Tex. Production hoist. 1,977,840; Oct. 23.
- Adams, John B., assignor to Customer Control Service Corporation, Seattle, Wash. Customer control device. 1,954,033; Apr. 10.
- Adams, John H., assignor of one-half to A. C. Phillips, Seattle, Wash. Folding clothes wringer. 1,943,503; Jan. 16.
- Adams, John L., Los Angeles, Calif. Antibacking attachment for motor vehicles. 1,983,726; Dec. 11.
- Adams, Leland J., Glendale, Calif. Automatic automobile brake lock. 1,976,471; Oct. 9.
- Adams, Leland R., assignor to The Firestone Steel Products Company, Akron, Ohio. Valve stem testing apparatus. 1,985,673; Dec. 25.
- Adams, Lytle S., New York, N. Y. Ship to ship, ship to shore, and shore to ship air mail transfer system and apparatus. 1,973,244; Sept. 11.
- Adams, Maude, and R. F. Howe, New York, N. Y. High powered illuminating device. 1,963,949; June 26.
- Adams, Mortimer C. (See Walker, H., and Adams.)
- Adams, Nathan. (See Vick, C. L., and Adams.)
- Adams, Paul R. (See Adams, Arthur H. and P. R.)
- Adams, Robert W., Waban, Mass. Apparatus for measuring moments of golf clubs and the like. 1,953,916; Apr. 10.
- Adams, Roy E., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Road grader. 1,962,099; June 5.
- Adams, Thomas O., assignor of one-half to Wise-McClung Corporation, New Philadelphia, and one-half to The P. A. Geier Company, Cleveland, Ohio. Vacuum cleaner. 1,965,787; July 10.
- Adams, W. L. (See Bird, Len O., assignor.)
- Adams, Walter A., Rochester, N. Y. Workbench. 1,963,947; June 26.
- Adams, Walter A., Rochester, N. Y. Workbench. 1,963,948; June 26.
- Adams Wax Products Mfg. Inc. (See Richmond, Burton I., assignor.)
- Adams & Westlake Company, The. (See Barker, Lester L., assignor.)
- Adams & Westlake Company, The. (See Warnke, Carl J., assignor.)
- Adams, Wilbur C. (See De Grotte, M., Adams, and Farr.)
- Adams, Wilbur C. (See De Grotte, M., Adams, and Kelser.)
- Adams, William G., Richmond, Va. Razor blade and holder. 1,947,633; Feb. 20.
- Adams, William G., Richmond, Va. Safety razor. 1,951,688; Mar. 20.
- Adams, William G., Richmond, Va. Portable derrick. 1,961,541; June 5.
- Adams, William H. (See Smith, Charles H., assignor.)
- Adams, William H., assignor to Eastern Finishing Works, Kenyon, R. I. Decorative colors for application to textile fabrics. 1,943,464; Feb. 20.
- Adamson, James H., Larchmont, N. Y. Audience seat. 1,974,035; Sept. 18.
- Adamson, Lee H., Beverly Hills, Calif. Traveling sprinkler. 1,975,596; Oct. 2.
- Adamson, Ralph E., et al. (See Loney, Jacob N., assignor.)
- Adamson, Susan B., et al. (See Loney, Jacob N., assignor.)
- Adamson, William A., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of nitro-anthraquinone-sulphonic acid. 1,965,818; July 10.
- Adartcraft, Inc. (See Sanders, Rudolph M., assignor.)
- Adartcraft, Incorporated. (See Shaw, Louis E., assignor.)
- Addesso, James, et al. (See Cauli, James W., assignor.)
- Addink, Claudius C. J. (See Penning, F. M., and Addink.)
- Addis, Frank J. and P. P., Brooklyn, N. Y. Packing and display box. 1,958,257; May 8.
- Addis, Paul P. (See Addis, Frank J. and P. P.)
- Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,961,322; June 5.
- Addler, Joseph H., Brooklyn, and H. W. Crowson, New York, N. Y., assignors to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,946,997; Feb. 13.
- Addressograph Company. (See Brownsey, Horace P., assignor.)
- Addressograph Company. (See Colyer, Edwin C., assignor.)
- Addressograph Company. (See Curtis, Franklin E., assignor.)
- Addressograph Company. (See Duncan, J. S., and Hubbard, assignors.)
- Addressograph Company. (See Eley, A., and Hodgkinson, assignors.)
- Addressograph Company. (See Fassmann, Bruno, assignor.)
- Addressograph Company. (See Gollwitzer, Walter T., assignor.)
- Addressograph Company. (See Hampton, William J., assignor.)
- Addressograph Company. (See Harrington, Joseph L., assignor.)
- Addressograph Company. (See Hartley, Emmett C., assignor.)
- Addressograph Company. (See Hubbard, Henry E., assignor.)
- Addressograph Company. (See Kranz, Curtis G., assignor.)
- Addressograph Company. (See McCain, Cecil C., assignor.)
- Addressograph Company. (See Phillips, Hervey B., assignor.)
- Addressograph Company. (See Osborn, Henry C., assignor.)
- Addy, Roland, and S. Gill, Barnsley, and C. W. Tozer, Westminster, assignors to The Carlton Main Colliery Company Limited, Barnsley, England. Retort for use in the low temperature distillation of carbonaceous material. 1,980,245; Nov. 13.
- Adell, John A., Orange, Mass. Moistening machine. 1,972,071; Sept. 4.
- Adelmann, Hans, New Rochelle, assignor to Ham Boiler Corporation, Port Chester, N. Y. Ham boiler. 1,965,402; July 3.
- Adelmann, Hans, New Rochelle, assignor to Ham Boiler Corporation, Port Chester, N. Y. Ham boiler washing machine. 1,971,206; Aug. 21.
- Adelmann, Hans, New Rochelle, assignor to Ham Boiler Corporation, Port Chester, N. Y. Brush for a washing machine. 1,979,240; Nov. 6.
- Adelmo, Giorgi, Highwood, Ill. Comb attachment for electric hair clippers. 1,957,430; May 8.
- Adelmo, Giorgi, Highwood, Ill. Attachment for hair clippers. 1,964,019; June 26.
- Aderer, Julius, New York, N. Y. Alloy. 1,965,093; July 3.
- Adico Development Corporation. (See Goosmann, Justus C., assignor.)
- Adico Development Corporation. (See Jones, C. L., and Fitzpatrick, assignors.)
- Adirondack Steel Foundries Corporation. (See Knipe, John W., assignor.)
- Adjusta Company. (See Hirsh, Fred, assignor.)
- Adjustable Joist Corporation. (See Leland, Ira S., assignor.)
- Adkins, Albert F., Long Beach, Calif. Expanding brake. 1,980,947; Nov. 13.
- Adlake Company, The. (See Brown, Ralph, assignor.)
- Adlake Company, The. (See Ehret, Yale W., assignor.)
- Adlake Company, The. (See Hamm, William S., assignor.)
- Adlake Company, The. (See Hedin, Uno C., assignor.)
- Adlake Company, The. (See Larson, Carl H., assignor.)
- Adlake Company, The. (See Putt, Harlie O., assignor.)
- Adlake Company, The. (See Verbagen, Christian M., assignor.)
- Adam, Thomas N., Bethlehem, Pa., assignor to Sarco Company, Inc. Pressure temperature method and apparatus for the control of heating. 1,969,492; Aug. 7.
- Adler, Charles, jr., Baltimore, Md. Signal cover glass. Des. 92,055; Apr. 24.
- Adler, Charles, jr., Baltimore, Md. Signal. Des. 92,641; July 3.
- Adler, Charles, jr., Baltimore, Md. Signal. 1,978,334; Oct. 23.
- Adler, Charles, jr., Baltimore, Md. Signal. 1,981,577; Nov. 20.
- Adler, Frank, Brooklyn, N. Y. Feeding spoon. Des. 93,644; Oct. 23.
- Adler, Howard, Chicago Heights, Ill., assignor to Victor Chemical Works. Preparing stable chlorine containing compounds. 1,965,304; July 3.
- Adler, Howard, and H. B. Gottlieb, Chicago Heights, Ill., assignors to Victor Chemical Works. Manufacture of triaryl phosphates. 1,983,588; Dec. 11.
- Adler, Jack, St. Louis, Mo. Radiator enclosure. 1,963,431; June 19.
- Adler, Jacob, and P. Doerseln, assignors to Silk City Metals Coating Company, Inc., Paterson, N. J. Metal coating bodies. 1,955,572; Apr. 17.
- Adler, John B. (See Vance, W. N., O'Connor, and Adler.)
- Adler Manufacturing Co. (See Cummins, Norman W., assignor.)

- Adler, Oscar and R., Karlsbad, Czechoslovakia. Producing of molecular compounds of the salts of phenyl-quinaline carboxylic acids with alkylated pyrazolones and alkylated amino-pyrazolones. 1,954,909; Apr. 17.
- Adler, Rudolf. (See Adler, Oscar and R.)
- Adress, The. (See Cahn, Charles, assignor.)
- Adrian, Sylvester. (See Horn, Charles, assignor.)
- Adsit, Blanche W., executrix. (See Adsit, George.)
- Adsit, George, deceased, Blanche W. Adsit, executrix, East Paterson, N. J. Quilling machine. 1,973,841; Sept. 18.
- Advance Aluminum Castings Corp. (See Willman, Philip E., assignor.)
- Advance Bag and Paper Company. (See Butterfield, Albert, assignor.)
- Advance Engineering Corporation. (See Bixler, Alvin P., assignor.)
- Advance Engineering Corporation. (See Taylor, Donald D., assignor.)
- Advance Machine Company. (See Antoine, A. D., and Gebert, assignors.)
- Advance Machine Company. (See Richardson, M. H., and Gebert, assignors.)
- Advance Machine Co. (See Steinmetz, Herman, assignor.)
- Advance Pressure Castings, Inc. (See Schneider, Alfred, assignor.)
- Aegler, Hermann, Bienne, Switzerland. Self-winding time-piece. 1,981,297; Nov. 20.
- Aemisseger, Jean, Bergenfield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,383; Jan. 23.
- Aemisseger, Jean, Bergenfield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,401; Jan. 23.
- Aemisseger, Jean, Bergenfield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 92,056; Apr. 24.
- Aeolian-Skinner Organ Company, Inc. (See Cheek, Tolbert F., assignor.)
- Aerial Advertising Company. (See Moir, Kenneth N., assignor.)
- Aerial Advertising Company. (See Neal, Malcolm A., assignor.)
- Aero Advertising Company. (See Gordon, Hans G., assignor.)
- Aero Engineering Corporation. (See Briner, Emil A., assignor.)
- Aerocrete Corporation of America. (See Billner, Karl P., assignor.)
- Aerol Engine Corporation. (See Hehr, Frederick G., assignor.)
- Aerolite Company, Inc. (See Romanoff, Hippolyte W., assignor.)
- Aeromarine Plane & Motor Company Inc. (See Boland, Joseph J., assignor.)
- Aerovox Corporation. (See Georgier, Alexander, assignor.)
- Aeschbach, Friedrich, Aaran, Switzerland. Stirring, kneading, and mixing machine. 1,967,546; July 24.
- Aeschbach, Walter E., assignor to The Measuregraph Company, St. Louis, Mo. Cloth measuring machine. 1,943,711; Jan. 16.
- Aetna Ball Bearing Manufacturing Company. (See Stein, Louis H., assignor.)
- Aetna-Standard Engineering Company, The. (See Taylor, Clarence L., assignor.)
- Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Transmission regulator circuits. 1,952,524; Mar. 27.
- Affel, Herman A., Ridgewood, and E. I. Green, East Orange, N. J., assignors to American Telephone and Telegraph Company. Amplifier control. 1,946,607; Feb. 13.
- Affleck, Myron H. S., Providence, R. I., and J. M. Duffy, Brookline, Mass. Clamping device for ropes, cables, or the like. 1,976,533; Oct. 9.
- Aga-Baltic Radio A. B. (See Anderson, E. E. W., and Johanson, assignors.)
- Agati, Giovanni, San Francisco, Calif. Combination chair and high chair. 1,946,826; Feb. 13.
- Agee, Lewis V., assignor to M. A. Mullan, Richmond, Va. Bicycle basket. 1,967,002; July 17.
- Agfa Anasco Corporation. (See Bornmann, Carl, assignor.)
- Agfa Anasco Corporation. (See Brunken, Johannes, assignor.)
- Agfa Anasco Corporation. (See Eggert, J., and Heymer, assignors.)
- Agfa Anasco Corporation. (See Froehlich, Alfred, assignor.)
- Agfa Anasco Corporation. (See Goldacker, Paul, assignor.)
- Agfa Anasco Corporation. (See Goldhammer, Leo, assignor.)
- Agfa Anasco Corporation. (See Goldhammer, L., and Baumgärtner, assignors.)
- Agfa Anasco Corporation. (See Goldhammer, L., and Stiefenhofer, assignors.)
- Agfa Anasco Corporation. (See Hagedorn, M., and von Kulawa, assignors.)
- Agfa Anasco Corporation. (See Hebbel, Konrad, assignor.)
- Agfa Anasco Corporation. (See Heymer, Gerd, assignor.)
- Agfa Anasco Corporation. (See Kaden, W., and Stiefenhofer, assignors.)
- Agfa Anasco Corporation. (See Lessler, Lew W., assignor.)
- Agfa Anasco Corporation. (See Lessler, L. W., and Bornmann, assignors.)
- Agfa Anasco Corporation. (See Lingg, A., and Goldhammer, assignors.)
- Agfa Anasco Corporation. (See Lummerzheim, H., and Schnitzler, assignors.)
- Agfa Anasco Corporation. (See Mediger, Harald, assignor.)
- Agfa Anasco Corporation. (See Roessler, Georg, assignor.)
- Agfa Anasco Corporation. (See Schloemann, Eduard, assignor.)
- Agfa Anasco Corporation. (See Schmidt, Richard, assignor.)
- Agfa Anasco Corporation. (See Schneider, Wilhelm, assignor.)
- Agfa Anasco Corporation. (See Schnitzler, Eduard, assignor.)
- Agfa Anasco Corporation. (See Sochor, Franz, assignor.)
- Agfa Anasco Corporation. (See von Biehler, Arpad, assignor.)
- Agfa Anasco Corporation. (See Wendt, B., and Frölich, assignors.)
- Agfa Anasco Corporation. (See Westendorp, Hans, assignor.)
- Agnew, Albert B., Calumet City, Ill. Producing refractory brick and kiln therefor. 1,950,375; Mar. 13.
- Agnew, Arthur M., Maplewood, N. J., assignor, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y. Coated fabric and making same. 1,980,309; Nov. 13.
- Agnew, Edward J. (See Ridings, G. H., and Agnew.)
- Agnew, Norman F. (See Snavelly, C. S., Fitzsimmons, and Agnew.)
- Agostini, Leon. (See Agostini, Louis G., assignor.)
- Agostini, Leon, Paris, France. Comb for cutting and thinning the hair. 1,977,933; Oct. 23.
- Agostini, Louis G., assignor to L. Agostini, Paris, France. Apparatus for permanent hair-waving. 1,978,243; Oct. 23.
- Agronofsky, Abraham, St. Joseph, Mo. Cleaning washing fluids and recovering volatile solvents. 1,977,107; Oct. 16.
- Agthe, Fred T., Milwaukee, and R. C. Newhouse, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fuel burner. 1,976,208; Oct. 9.
- Ahlborn, Theodor, Houston, Tex. Structural element. 1,975,384; Oct. 2.
- Ahlburg, Co. (See Ahlburg, Frank, assignor.)
- Ahlburg, Frank, assignor to Ahlburg Co., Ltd., Los Angeles, Calif. Fruit counter. 1,967,732; July 24.
- Ahlquist, Eugene F., Minneapolis, Minn. Envelope. 1,963,639; June 19.
- Ahlqvist, Harald, Rye, N. Y. Separating sulphur from sulphur dioxide. 1,955,722 Apr. 24.
- Ahlslager, Walter W., Inc., et al. (See Clark, Malcolm S., assignor.)
- Åhmansson, Olov W., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller bearing. 1,967,650; July 24.
- Ahnger, Yrjö A., Crockett, Calif. Article packing apparatus. 1,952,042; Mar. 27.
- Ahnger, Yrjö A., Crockett, Calif. Bag turning and lining machine. 1,955,401; Apr. 17.
- Ahola, Harold, assignor, by mesne assignments, to Technical Tool Company, Portland, Ore. Bevel gauge. 1,947,448; Feb. 20.
- Ahola, Harold, Portland, Ore., assignor to Technical Tool Company. Combined protractor, bevel gauge and mitering square. 1,983,516; Dec. 11.
- Ahrens-Fox Fire Engine Company, The. (See Fox, Charles H., assignor.)
- Ahrens, Hans. (See Klamroth, A., and Ahrens.)
- Ahrndt, Arthur, assignor to U. S. Slicing Machine Company, La Porte, Ind. Bacon slicing machine. 1,976,824; Oct. 16.
- Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Bacon slicing machine. 1,976,825; Oct. 16.
- Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Bacon slicing machine. 1,976,826; Oct. 16.
- Aichele, Alfred, Edgewood, R. I. Combination Lamp and picture display. Des. 92,567; June 26.
- Aichele, Gottlieb, and A. Hecss, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Protective means for the spring plates or washers of valves. 1,958,935; May 15.
- Aicher, Alfred L., assignor to Yarnall-Waring Company, Philadelphia, Pa. Water gauge. 1,954,466; Apr. 10.
- Aichner, Franz. (See Meerwein, H., Ulfers, Erbe, Aichner, and Klaphake.)
- Aichner, Franz. (See Schoeller, W., Schwenk, Borgwardt, and Aichner.)
- Aiken, Charles B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave amplifier. 1,948,977; Feb. 27.
- Aiken, Charles B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiple radio receiving system. 1,957,519; May 8.
- Aiken, Daniell, assignor of one-half to A. O. Slogan, San Antonio, Tex. Process and tool for eradicating termites. 1,982,974; Dec. 4.
- Aiken, Daniell, assignor of one-half to A. O. Slogan, San Antonio, Tex. Process and tool for eradicating termites. 1,982,975; Dec. 4.
- Aiken, Edward J. (See Dreisonstok, J. Y., Aiken, and Baldwin.)

- Aiken, George D., Putney, Vt. Strawberry. Pl. Pt. 112; Nov. 20.
- Aiken, James, Forest Hill, N. Y. Cooling device. 1,944,726; Jan. 23.
- Aikman, Burton S., Milwaukee, Wis., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air compressor. 1,972,750; Sept. 4.
- Aikman, Burton S., Milwaukee, Wis., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control for compressors. 1,972,751; Sept. 4.
- Aime, Frank L., Yonkers, N. Y. Air switch. 1,954,976; Apr. 17.
- Ainslie, Donald F., Ontario, Calif. Light ray distributor. 1,967,140; July 17.
- Ainslie, Thomas D., Metuchen, and J. McKeown, Woodbridge, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Absorbent material. 1,953,526; Apr. 3.
- Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and switch actuating mechanism. 1,956,847; May 1.
- Ainsworth, George, New Hyde Park, N. Y. Lighting fixture. 1,957,192; May 1.
- Ainsworth, George, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake mechanism. 1,974,556; Sept. 25.
- Ainsworth, Harry G., Aurora, Ill. Door operating mechanism. 1,941,454; Jan. 2.
- Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)
- Ainsworth, William A. (See Yazbik, Joseph, assignor.)
- Aircraft Control Corporation. (See Reichel, Wladimir A., assignor.)
- Aircraft Improvement Corporation. (See Medvedeff, Nicholas J., assignor.)
- Aircraft Radio Corporation. (See Drake, Frederick H., assignor.)
- Aircraft Specialties, Inc. (See McDewitt, H. J., and Sullivan, Jr., assignors.)
- Air Ice Research & Development Corp. (See Clark, Walter G., assignor.)
- Airpack Worcestershire Sauce Company. (See Nones, Alexandre, assignor.)
- Air Preheater Corporation. (See Colby, H. S., and Karlsson, assignors.)
- Air Preheater Corporation. (See Yerrick, William D., assignor.)
- Air-O-Mat Berner Company. (See Schmidt, Emil, assignor.)
- Air Reduction Company. (See Anderson, James L., assignor.)
- Air Reduction Company. (See Balcar, Frederick R., assignor.)
- Air Reduction Company. (See Daley, Charles A., assignor.)
- Air Reduction Company. (See Deming, George M., assignor.)
- Air Reduction Company. (See Dennis, Wolcott, assignor.)
- Air Reduction Company. (See Metzger, Floyd J., assignor.)
- Air Reduction Company et al. (See Steere, Frank W., assignor.)
- Air Reduction Company. (See Van Nuys, Claude C., assignor.)
- Air Reduction Company, Incorporated. (See Crowe, John J., assignor.)
- Air Reduction Company, Incorporated. (See Evans, Charles T., assignor.)
- Air Reduction Company, Incorporated. (See Goerg, Walter, assignor.)
- Air Reduction Company, Incorporated. (See Ragonnet, Eugene L., assignor.)
- Air Reduction Company, Incorporated. (See Walker, George L., assignor.)
- Air Valve Bottle Corporation. (See Geistlinger, Edward, assignor.)
- Air-Way Electric Appliance Corporation. (See Child, Lachlan W., assignor.)
- Air-Way Electric Appliance Corporation. (See Riebel, Frederick, Jr., assignor.)
- Air-Way Electric Appliance Corporation. (See Riebel, F., Jr., and Child, assignors.)
- Air-Way Electric Appliance Corporation. (See Riebel, F., Jr., and Dow, assignors.)
- Air-Way Electric Appliance Corporation. (See Riebel, F., Jr., Dow, and Henson, assignors.)
- Air-Way Electric Appliance Corporation. (See Tracy, P. E., and Dow, assignors.)
- Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Rotary steel plate printing machine. 1,968,980; Aug. 7.
- Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Numbering machine. 1,983,012; Dec. 4.
- Avrazian, Garo, Geneva, Switzerland. Knitting needle. 1,960,133; May 22.
- Ajax Electric Furnace Corporation et al. (See Taylor, G. E., and Thompson, assignors.)
- Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
- Ajax Electrothermic Corporation et al. (See Taylor, G. E., and Thompson, assignors.)
- Ajax Electrothermic Corporation. (See Willcox, Dudley, assignor.)
- Ajax Metal Company, The. (See Neuhauss, Heinrich, assignor.)
- Ajax Spring Stabilizer Company. (See Chesley, Walter R., assignor.)
- Ajax Spring Stabilizer Company. (See Christman, John M., assignor.)
- Ajello, Gaetano, New York, N. Y. Safety device for aircraft. 1,944,484; Jan. 23.
- Akemann, Walter, Dahlem, near Berlin, assignor to Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Multiple unit tube. 1,954,191; Apr. 10.
- Aker, Floyd J., Newark, N. J., assignor to Eastern Cutter Salvage Corporation. Cutter salvage machine. 1,981,445; Nov. 20.
- Akers, Charles E. (See Buescher, L. F., and Akers.)
- Akers, Charles W., Nashville, Tenn. Floor construction element. Re19,124; Mar. 27.
- Akers, Daniel B., Cincinnati, Ohio. Railroad. 1,980,028; Nov. 6.
- Akers, Frank B., Fort Gay, W. Va. Churn. 1,945,212; Jan. 30.
- Akerson, Ernest A., Lindstrom, Minn. Artificial bait. 1,950,075; Mar. 6.
- Aki, Shozaburo, London, England. Tooth cleaning appliance. 1,958,505; May 15.
- Akins, Floyd H. (See Henri, R., and Akins.)
- Akitt, Norman B., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,962,699; June 12.
- Akitt, Norman B., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,971,953; Aug. 28.
- Akiyoshi, Yutaka, Eatonville, Wash. Table and mirror for automobiles, airplanes and the like. 1,965,788; July 10.
- Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
- Aktiebolaget A. Heyman, et al. (See Blomqvist, G. H., and Groth, assignors.)
- Aktiebolaget A. Heyman, et al. (See Groth, B. S., and Blomqvist.)
- Aktiebolaget Alos. (See Lindgren, Anders G. S., assignor.)
- Aktiebolaget Atlas Diesel. (See Ryd, Erik, assignor.)
- Aktiebolaget Atlas Diesel. (See Thege, E. O. P., and Gunnar.)
- Aktiebolaget Atmos. (See Ehlinger, Marcel, assignor.)
- Aktiebolaget Bofors. (See Wahlsteen, Axel O., assignor.)
- Aktiebolaget Filtrum. (See Johansson, Karl A. R., assignor.)
- Aktiebolaget Formator. (See Dahlström, Ernst R., assignor.)
- Aktiebolaget Formator. (See Dahlstrom, E. R., and Rothelius, assignors.)
- Aktiebolaget Formator. (See Granstedt, Karl E., assignor.)
- Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Johnson, Bror A. E., assignor.)
- Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Örström, Gustaf, assignor.)
- Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Sassoli, Oscar, assignor.)
- Aktiebolaget Imoindustri. (See Montelius, Carl O. J., assignor.)
- Aktiebolaget Lesto. (See Nilsson, Richard, assignor.)
- Aktiebolaget Linham. (See Pecher, Albrecht, assignor.)
- Aktiebolaget Ljungstroms Angturbin. (See Lysholm, Alf, assignor.)
- Aktiebolaget Malceus Holmquist. (See Brofelth, Gustav E., assignor.)
- Aktiebolaget Mexum. (See Fagerlund, Erik A., assignor.)
- Aktiebolaget Milo. (See Lysholm, Alf, assignor.)
- Aktiebolaget Mo och Domsjo Wallboard Company. (See Sandell, Ossian W., assignor.)
- Aktiebolaget Nomy. (See Wallgren, August G. F., assignor.)
- Aktiebolaget Original-Odhner. (See Siewert, Karl, assignor.)
- Aktiebolaget Radius. (See Tiberg, Simon B. E., assignor.)
- Aktiebolaget Spontan. (See Ljungstrom, Fredrik, assignor.)
- Aktiebolaget Superior. (See Eyerstam, Edit A. and J. G., assignors.)
- Aktiebolaget Superior. (See Westerberg, Carl A. A., assignor.)
- Aktiebolaget Svenska Fläktfabriken. (See Bojner, Gustav, assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Åhman, Olov W., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Kylén, Karl E., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Lenz, Wilhelm, assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Palmgren, Per G., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Rydbeck, Patrik S., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Wistrand, Gunnar, assignor.)
- Aktiebolaget Tonsor. (See Fischer, W., and Tobias, assignors.)
- Aktiebolaget Tonsor. (See Kyberg, Folke, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Andorff, F., and Speidel, assignors.)
- Aktiengesellschaft Brown Boveri & Cie. (See Baumann, Adolf, assignor.)

- Aktiengesellschaft Brown Boveri & Cie. (See Baur, Arthur, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Brunner, Gustav, assignor.)
 Aktiengesellschaft Brown, Boveri & Cie. (See Buchhold, Theodor, assignor.)
 Aktiengesellschaft Brown, Boveri & Cie. (See Faber, Paul, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Fischler, Robert, assignor.)
 Aktiengesellschaft Brown, Boveri & Cie. (See Fleischammer, Erich, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Gaudenzi, A., and Kobel, assignors.)
 Aktiengesellschaft Brown Boveri & Cie. (See Greco, Alfredo, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Hallopeau, F., Boveri, and Gaudenzi, assignors.)
 Aktiengesellschaft Brown Boveri & Cie. (See Jonas, Julius, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Jonas, J., and Kern, assignors.)
 Aktiengesellschaft Brown Boveri & Cie. (See Keller, Hans, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Keller, Robert, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Kern, Erwin, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Kobel, Ernst, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Kopelovitch, Jakob, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Kübler, Johannes, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Kubler, J., and Jonas, assignors.)
 Aktiengesellschaft Brown Boveri & Cie. (See Lesch, Guntram, assignor.)
 Aktiengesellschaft Brown, Boveri and Cie. (See Meyer, Adolf, assignor.)
 Aktiengesellschaft-Brown Boveri & Cie. (See Meyer-Delius, Heinrich, assignor.)
 Aktiengesellschaft Brown, Boveri & Cie. (See Mitzlaff, G., and Bruderlink, assignors.)
 Aktiengesellschaft Brown, Boveri & Cie. (See Noack, Walter G., assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Plechl, Otto, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Prantl, Franz, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Seitz, Oskar, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Tritschler, Eugen, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See van Gastel, Albertus, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See van Rijswijk, Willem, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Widmer, Stefan, assignor.)
 Aktiengesellschaft Brown Boveri & Cie. (See Widmer, S., and Brunner, assignors.)
 Aktiengesellschaft Brown Boveri & Cie. (See Widmer, S., and Caudenzi, assignors.)
 Aktiengesellschaft Brown Boveri & Cie. (See Widmer, S., Keller, and Hurlimann, assignors.)
 Aktiengesellschaft C. P., Goerz Optische Anstalt Actiova Spolecnost K. P. Goerz Opticky Ustav. (See Clementi, Antonio, assignor.)
 "Aktiengesellschaft Chemischer Werte". (See Ornstein, Otto, assignor.)
 Aktiengesellschaft der Oesterreichischen Fezfabriken. (See Bong, Adolf, assignor.)
 Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel. (See Pantenburg, Vitalis, assignor.)
 Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel, the firm. (See Sakom, Daniel, assignor.)
 Aktiengesellschaft für Feinmechanik vorm. Jetter & Scheerer. (See Veit, Hermann, assignor.)
 Aktiengesellschaft für Holzveredlung. (See Schlesinger, Georg, assignor.)
 Aktiengesellschaft für Montanbedarf. (See Mocigemba, Emanuel, assignor.)
 Aktiengesellschaft für Stickstoffdünger. (See Weibezahn, K., and Walter, assignors.)
 Aktiengesellschaft Oederlin & Co. (See Schütz, Edwin, assignor.)
 Al Jan, Amsterdam, assignor to Naamlooze Vennootschap de Bataafse Petroleum Maatschappij, The Hague, Netherlands. Manufacture of acetic anhydride. 1,961,542; June 5.
 Alabama Pipe Company. (See Norman, Ephraim O., assignor.)
 Alamo Coal Company. (See Young, Charles A., assignor.)
 Alaska Freezer Co. Inc., The. (See Ruttiman, Alfred, assignor.)
 Albach, Frank, assignor to Fred Medart Manufacturing Co., St. Louis, Mo. Wardrobe or locker. 1,944,913; Jan. 30.
 Albanese, Gaetano, New York, N. Y., and H. E. Thompson, Westfield, N. J.; said Thompson assignor to said Albanese. Hot or cold bed inclosure. 1,958,983; May 15.
 Albanese, Harry M. and J. V. Brooklyn, N. Y. Paint brush preserver. 1,979,241; Nov. 6.
 Albanese, Joseph V. (See Albanese, Harry M. and J. V.)
 Albany Corrugated Container Corp. (See Nuckols, Claude C., assignor.)
 Albatross Steel Furniture Company. (See Gillette, Edmond S., assignor.)
 Albee, George C. (See Stevens, H. E., Windham, Albee, and Foster.)
 Albera, Angelo N.; P. and T. Albera, owners by decree of court, assignors to R. J. Albera, Concord, Calif. Ball game. 1,973,424; Sept. 11.
 Albera, Pietro, et al, owners by decree of court. (See Albera, Angelo N.)
 Albera, Robert J. (See Albera, Angelo N., assignor.)
 Albera, Theresa, et al., owners by decree of court. (See Albera, Angelo N.)
 Alberdi, Beatrice. (See Daly, J. J., and Alberdi.)
 Alberding, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils and coal. 1,969,772; Aug. 14.
 Alberg, Henry, Millstadt, Ill. Cigar holder. Des. 91,258; Jan. 2.
 Albers, Edwin W. (See Finch, R. J., and Albers.)
 Albersheim, Walter, and H. S. Konheim, New York, N. Y. Viscosity meter. 1,958,878; May 15.
 Albersheim, Walter, and H. S. Konheim, New York, N. Y. Viscosity meter. 1,963,011; June 12.
 Albert, Henry. (See Brieche, A., Albert, and Stauber.)
 Albert, Joseph A., assignor to A. M. Franchi, New York, N. Y. Brake. 1,941,965; Jan. 2.
 Albert, Karl. (See Kurz, H., and Albert.)
 Albert, Levite, Northampton, Mass. Combined spool holder and dispenser. Des. 92,989; Aug. 7.
 Albert, Werner, Dusseldorf-Rath, Germany. Pilger rolling mill. 1,960,178; May 22.
 Albertine, Herman, Rutherford, N. J., assignor to Rogers Products Company, Inc. Motor driven pump for grease or the like. 1,962,419; June 12.
 Albertson, Carl W., St. Paul, Minn. Pressure resisting Member. 1,953,383; Apr. 3.
 Albertson & Company. (See Albertson, Frans O., assignor.)
 Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Handle and cable housing for electric motor driven tools. 1,954,977; Apr. 17.
 Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve seat tool. 1,964,970; July 3.
 Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Handle and cable housing for electric devices. 1,977,224; Oct. 16.
 Alborn, Frank G. (See Schreckengost, V., and Alborn.)
 Alborn, Frank G., and V. Schreckengost, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,959; Dec. 4.
 Alborn, Frank G., and V. Schreckengost, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,960; Dec. 4.
 Alborn, Frank G., assignor to The White Motor Company, Cleveland, Ohio. Tire carrier. 1,947,820; Feb. 20.
 Albrecht, A. J. (See Baker, George B., assignor.)
 Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Magazine adjusting device for typographical composing machines. 1,941,729; Jan. 2.
 Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Trimming mechanism of typographical line casting machines. 1,941,730; Jan. 2.
 Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical composing and distributing machine. 1,955,618; Apr. 17.
 Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company. Distributor bar for typographical composing and distributing machines. 1,960,656; May 29.
 Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Matrix composing and line casting machine. 1,969,635; Aug. 7.
 Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Distributing mechanism of typographical composing and distributing machines. 1,982,040; Nov. 27.
 Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Magazine-changing device for typographical composing and distributing machines. 1,983,524; Dec. 11.
 Albrecht, Karl, assignor to Maschinenfabrik Johannisberg, G. m. b. H., Geisenheim-on-the-Rhine, Germany. Monochrome and polychrome printing. 1,949,001; Feb. 27.
 Albrecht, Otto, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Esters derived from sulfonated phthalic acids and making same. 1,957,155; May 1.
 Albrecht, Otto, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Textile assistants and process of making same. 1,970,353; Aug. 14.
 Albrecht, Robert E., St. Paul, Minn. Gripping and securing mechanism. 1,969,111; Aug. 7.
 Albrecht, Robert J., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Ice cream disher. 1,961,655; June 5.

- Albrecht, Walther, Ludwigshafen-on-the-Rhine, and J. Mueller, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkyl ethers of amino-beta-hydroxyanthraquinones. 1,964,971; July 3.
- Albree, George N., Concord, Mass. Oil burner. 1,951,641; Mar. 20.
- Albright, Wilhelm. (See Jonker, J. L. H., and Albright.)
- Albright, John G., Cleveland, Ohio. Circuit control. 1,982,377; June 12.
- Albright, John G., Cleveland, Ohio. Electric clock mechanism. 1,962,378; June 12.
- Albright, Joseph C., Teaneck, N. J., assignor to Bailey Meter Company. Control system. 1,962,676; June 12.
- Albright, Joseph C., Teaneck, N. J., assignor to Bailey Meter Company. Power amplifying positioning device. 1,972,852; Sept. 11.
- Albright, Joseph C., Teaneck, N. J., assignor to Bailey Meter Company. Combustion control. 1,972,968; Sept. 11.
- Albright, Joseph C., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Regulating system. 1,983,429; Dec. 4.
- Albright, William F., Pittsburgh, Pa. Brush. 1,978,853; Oct. 30.
- Albright, William M., Hemet, Calif. Cushion stop for shears. 1,982,942; Dec. 4.
- Alcet Electro-Products Corporation. (See Lund, Arthur D., assignor.)
- Alco Products, Incorporated. (See Cooke, M. B., and Schutt, assignors.)
- Alco Products Incorporated. (See Erter, John H., assignor.)
- Alco Products, Incorporated. (See Hope, Harry M., assignor.)
- Alco Products Incorporated. (See Jacocks, G. T., Krieg, and Chute.)
- Alco Products, Incorporated. (See Mahoney, John C., assignor.)
- Alco Products, Incorporated. (See Patton, C. S., and Boswell, assignors.)
- Alco Products, Incorporated. (See Wallis, John S., assignor.)
- Alco Products, Incorporated. (See Wallis, J. S., and Schutt, assignors.)
- Alcor Manufacturing Company. (See Nielsen, Karl K., assignor.)
- Aldeborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Surface plate. 1,946,432; Feb. 6.
- Aldeborgh, Erik H., and A. H. Emery, assignors to The Standard Gage Company, Inc., Poughkeepsie, N. Y. Indicating limit plug gauge. 1,972,124; Sept. 4.
- Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Mortised lock. 1,961,187; June 5.
- Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Hinge. 1,974,942; Sept. 25.
- Alden, Gardner R., assignor to Dennison Manufacturing Company, Framingham, Mass. Crepe paper and method. 1,958,411; May 15.
- Alden, Gardner R., assignor to Dennison Manufacturing Company, Framingham, Mass. Adhesive. 1,969,636; Aug. 7.
- Alden, Herbert O., Oakland, assignor to Shell Oil Company, San Francisco, Calif. Service station. Des. 91,291; Jan. 2.
- Alden, Herbert W. (See Rockwell, W. F., and Alden.)
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automotive axle. 1,946,051; Feb. 6.
- Alden, Joseph R., Grand Rapids, Mich. Refrigerator. 1,975,823; Oct. 9.
- Alden, Reginald J., Springfield, Mass. Decelerometer indicating instrument. 1,970,483; Aug. 14.
- Alden, Reginald J., Fitchburg, Mass. Decelerometer. 1,983,830; Dec. 11.
- Alder, Frederick T., deceased, Mount Vernon; Rose Alder, administratrix, assignor to W. H. Rudolph, New York, N. Y. Safety grip for bathtubs. 1,969,958; Aug. 14.
- Alder, Jean, Zurich, Switzerland. Floor surfacing machine. 1,969,290; Aug. 7.
- Alder, Kurt. (See Diels, O., and Alder.)
- Alder, Rose, administratrix. (See Alder, Frederick T.)
- Alderman, Alonzo E., Hyattsville, Md. Combined camera and illuminator. 1,960,722; May 29.
- Aldinger, Erwin H., and W. E. Friedrichs, Philadelphia, Pa. Type retaining device for printing machines. 1,945,625; Feb. 6.
- Aldis, William, Toronto, Ontario, Canada, assignor to Warren Telechron Company. Electric clock setting device. 1,954,660; Apr. 10.
- Aldrich, Alfred P., Jr., Lowell, Mass. Art of and apparatus for conveying fibrous material. 1,974,999; Sept. 25.
- Aldrich, Carl G., Medford, Mass. Headlight. 1,954,978; Apr. 17.
- Aldrich, John P., Toledo, Ohio. Bag making and filling machine. 1,944,147; Jan. 23.
- Aldrich, Larry, New York, N. Y. Dress. Des. 93,595; Oct. 16.
- Aldrich Pump Company. (See Holveck, Joseph E., assignor.)
- Aldrich, Thomas B. (See Kamm, O., Aldrich, and Grote.)
- Aldrich, William T., Springfield, assignor to A. G. Spalding Bros., Chicopee, Mass. Golf club. 1,981,085; Nov. 20.
- Aldridge, Blair G. (See Gard, E. W., and Aldridge.)
- Aldridge, Blair G., assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for distillation of oils. 1,955,721; Apr. 24.
- Alemite Corporation. (See Baker, Frank T., assignor.)
- Alemite Corporation. (See Bradbury, Clifford C., assignor.)
- Alemite Corporation. (See Chambers, Clinard F., assignor.)
- Alemite Corporation. (See Davis, Ernest W., assignor.)
- Alemite Corporation. (See Thomas, G. F., and Bystricky, assignors.)
- Alemite Corporation. (See Wedeborg, Reuben, assignor.)
- Alemite Corporation. (See Wupper, Benjamin F., assignor.)
- Alemite Corporation. (See Zerk, Oscar U., assignor.)
- Alex, Max, Alhambra, Calif. Combination refrigerator and beverage dispenser. 1,943,279; Jan. 16.
- Alex, Max, Alhambra, Calif. Beverage refrigerating system. 1,955,723; Apr. 24.
- Alex, Max, Alhambra, Calif. Method and apparatus for cooling beverages and the like. 1,955,724; Apr. 24.
- Alex, Max, Alhambra, Calif. Odor absorber. 1,972,368; Sept. 4.
- Alex, Max, Alhambra, Calif., assignor to York Water Corporation, Ltd. Cover for an olla or the like. 1,955,725; Apr. 24.
- Alexander, Clyde. (See Suppiger, G. S., and Alexander.)
- Alexander, Donald F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,951,230; Mar. 13.
- Alexander, Eugene E., Freeport, Ill. Basket and handle therefor. 1,950,376; Mar. 13.
- Alexander, Harry. (See Zimmer, R. M., and Alexander.)
- Alexander, Harry S., and F. B. Pfeiffer, Akron, and J. W. White, Wadsworth, Ohio, assignors to Seiberling Rubber Company. Cutter for bias cutting machines. 1,975,219; Oct. 2.
- Alexander, James H., Staunton, Ill. Protector for lunch buckets. 1,985,558; Dec. 25.
- Alexander, James L., Toronto, and E. R. Eaton, Orillia, Ontario, Canada. Power operated dump trucks. 1,968,117; July 31.
- Alexander, Johan W., assignor to N. V. Philips Glowlamp-works, Eindhoven, Netherlands. Wireless receiving device. 1,978,661; Oct. 30.
- Alexander, Johan W., and E. Oosterhuis, Eindhoven, Netherlands, assignors to Radio Corporation of America. Smoothing device. 1,978,098; Oct. 28.
- Alexander, John M. (See Klose, Walter K., assignor.)
- Alexander, John M., Lincoln, Nebr. Automatic liquid vender. 1,963,575; June 19.
- Alexander, John R., Paris, Tex. Vegetable slicing holder. 1,951,466; Mar. 20.
- Alexander, Leslie A., Jamaica, N. Y. Breather pipe cap for internal combustion engines. 1,960,657; May 29.
- Alexander, Morris S., East Orange, N. J. Damper means and draft regulating means for furnaces. 1,963,640; June 19.
- Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Method and apparatus for spraying powdered material. 1,971,804; Aug. 28.
- Alexander, Robert L., and J. R. McCallum, assignors to The Climax Engineering Company, Clinton, Iowa. Refrigeration machine. 1,948,155; Feb. 20.
- Alexander, William, Glasgow, Scotland. Dust separator. 1,960,887; May 29.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Automatic steering system. 1,958,258; May 8.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Method and means for determining altitude from aircraft. 1,969,537; Aug. 7.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric translating system. 1,969,538; Aug. 7.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to Radio Corporation of America. Radioreceiver. 1,971,762; Aug. 28.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Sound reproducing apparatus. 1,978,183; Oct. 23.
- Alexanderson, Ernst F. W., A. H. Mittag, and E. L. Philippi, Schenectady, N. Y., assignors to General Electric Company. Electric valve excitation circuits. 1,954,661; Apr. 10.
- Alexandra, Walter, Chicago, Ill. Gas extension frer. 1,960,768; May 29.
- Alexandrescu, Alexander M., Cleveland, Ohio. Piston and ring construction. 1,951,959; Mar. 20.
- Alexay, Adalbert, Avenel, N. J., assignor to General Electric Company. Arc welding. 1,963,729; June 19.
- Alexovits, Thomas M., assignor to J. E. Greenawalt, New York, N. Y. Table feeder for crushed material. 1,960,522; May 29.
- Alfaro, Heradio, East Cleveland, Ohio. Aeronautic training apparatus. 1,947,962; Feb. 20.
- Alfaro, Heradio, Cambridge, Mass. Airplane. 1,964,418; June 26.
- Alfonse, Robert B. (See Chamness, O. L., Alfonse, and Philpott.)
- Alfred, Theodore C., Lancaster, Ohio. Hammer mill. Re19,330; Oct. 2.
- Alfter, Josef, Eindhoven, Netherlands, assignor to C. H. F. Müller Aktien Gesellschaft, Hamburg, Germany. Discharge vessel having a discharge space which is limited by a metal wall. 1,955,665; Apr. 17.

- Alger, Harley C., assignor to R. R. Donnelley & Sons, Co., Chicago, Ill. Binding books. 1,972,672; Sept. 4.
- Alguire, Robert B. (See Green, W., and Alguire.)
- Alhambra Airport and Air Transport Company. (See Loughhead, Allan H., assignor.)
- Alheit, Henry A., Milton, Mass. Display case. 1,980,973; Nov. 20.
- Aliber, Marvin M., et al. (See Mesing, Maximillian R., assignor.)
- Aliber, Morris H., et al. (See Mesing, Maximillian R., assignor.)
- Aliber, Robert, et al. (See Mesing, Maximillian R., assignor.)
- Alilaire, Eugène, Paris, France. Packing of dental amalgams. 1,971,833; Aug. 28.
- Alink, Roelof J. H., and J. H. De Boer, assignors to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Obtaining photographic contrasts by means of diazonium compounds. 1,973,788; Sept. 18.
- Alkaline Earths Company. (See Borradaile, Taylor A., assignor.)
- Allain, Henry M., Acushnet, assignor to A. H. Rice Co., Pittsfield, Mass. Cutter for thread spools. 1,959,146; May 15.
- Allam, Wilmer, Hazelton, Pa. Rear view mirror visor or shield. 1,971,333; Aug. 28.
- Allan, James R., Oak Park, Ill. Welding machine. 1,973,972; Sept. 18.
- Allan, John, Morris, assignor to Self-Locking Carton Co., Chicago, Ill. Carton. 1,973,194; Sept. 11.
- Allan, William, jr. (See Phillips, A. H., and Allan, jr.)
- Allard, Joseph A., jr., et al. (See Zander, Milton W., assignor.)
- Allard, Pierre J. M. T., assignor to Societe Francaise de Construction de Bennes Automatiques, Le Havre, France. Grab. 1,962,700; June 12.
- Allard, Pierre J. M. T., Sainte Adresse, assignor to Societe Francaise de Construction de Bennes Automatiques, Le Havre, France. Winch for the operation of grabs, buckets, and the like. 1,971,126; Aug. 21.
- Allard, Pierre J. M. T., Ste. Adresse, assignor to Societe Francaise de Construction de Bennes Automatiques, Le Havre, France. Apparatus for the boring of wells, or shafts, and for like operations. 1,985,710; Dec. 25.
- Allard, William N. F., New Westminster, and J. Hoyem, Fraser Mills, British Columbia, Canada. Slack motion take-up device. 1,978,852; Oct. 30.
- Allardice, Thomas B., Mountain Lakes, and T. G. Coghlan, Elizabeth, N. J. Automatic boiler water deconcentration system. 1,942,467; Jan. 9.
- Allatt, Mervin, Short Hills, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Winding machine. 1,983,727; Dec. 11.
- Albert, Eugene A., Portland, Oreg. Combined heater and fireplace. 1,944,626; Jan. 23.
- Albestos Corporation. (See Kitchen, William G., assignor.)
- Albestos Corporation. (See Sunbury, Herbert E., assignor.)
- Allcock, Harry B. (See Ricks, F., and Allcock.)
- Allday, Neville. (See Bain, R., and Allday.)
- Allee, Herbert D., Detroit, Mich. Gasoline tank filler. 1,952,484; Mar. 27.
- Allegheny Steel Company. (See Browne, Vere B., assignor.)
- Allegheny Steel Company. (See Kiefer, George C., assignor.)
- Allegheny Steel Company. (See Kiefer, G. C., and Scharschu, assignors.)
- Allegheny Steel Company. (See Otte, Otho M., assignor.)
- Allegheny Steel Company. (See Scharschu, Charles A., assignor.)
- Alleman, Gellert, Wallingford, assignor to Sun Oil Company, Philadelphia, Pa. Hydrocarbon derivatives of lead and their preparation. 1,949,948; Mar. 6.
- Alleman, Gellert, Wallingford, assignor to Sun Oil Company, Philadelphia, Pa. Amyl derivative of lead and their preparation. 1,949,949; Mar. 6.
- Alleman, Gellert, Wallingford, assignor to Sun Oil Company, Philadelphia, Pa. Gasoline. 1,969,249; Aug. 7.
- Alleman, Gellert, Wallingford, and A. F. S. Musante, Media, assignors to Sun Oil Company, Philadelphia, Pa. Apparatus for determining critical pressures. 1,947,821; Feb. 20.
- Alleman, Gellert, Wallingford, and A. F. S. Musante, Media, assignors to Sun Oil Company, Philadelphia, Pa. Apparatus for determining critical temperatures. 1,982,620; Dec. 4.
- Allen, Albert, Winchester, and J. G. Callan, Cambridge, assignors to Atlantic Precision Instrument Company, Boston, Mass. Caliper mechanism. 1,946,924; Feb. 13.
- Allen & Allen. (See Dorst, Paul W., assignor.)
- Allen, Andrews, Glencoe, Ill., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Gate for pneumatic coal-cleaning apparatus. 1,949,734; Mar. 6.
- Allen, Arthur A., Bellerose, assignor to The Peele Company, Brooklyn, N. Y. Dumbwaiter or other like door. 1,977,788; Oct. 23.
- Allen-Bradley Company. (See Bradley, Lynde, assignor.)
- Allen-Bradley Company. (See Dawe, Albert J., assignor.)
- Allen-Bradley Company. (See Knight, George W., assignor.)
- Allen-Bradley Company. (See Matthias, Lynn H., assignor.)
- Allen-Bradley Company. (See Megow, George E., assignor.)
- Allen-Bradley Company. (See Power, Laurence E., assignor.)
- Allen-Bradley Company. (See Steenweg, William F., assignor.)
- Allen-Bradley Company. (See Wilms, Gustav O., assignor.)
- Allen Bradley Company. (See Wilms, G. O., and Dawe, assignors.)
- Allen-Bradley Company. (See Wilms, G. O., and Trombetta, assignors.)
- Allen, Charles E. (See Taylor, E. R., and Allen.)
- Allen, Charles J., Moorestown, N. J., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Agricultural implement. 1,950,023; Mar. 6.
- Allen, Claud M., East Akron, Ohio. Cabinet structure. 1,985,593; Dec. 25.
- Allen, Chile C., and G. E. Park, Chicago, Ill. Eye testing instrument. 1,953,738; Apr. 3.
- Allen, Clyde E., San Francisco, Calif., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Liquid heater. 1,968,549; July 31.
- Allen, Dell F., Cleveland, Ohio. Attachment for printing presses. 1,950,206; Mar. 6.
- Allen, Donald T., Milwaukee, Wis., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Record changing device. 1,966,576; July 17.
- Allen-Drew Company. (See Allen, Earle F., assignor.)
- Allen-Drew Company. (See Allen, Oliver L., and E. F., assignors.)
- Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,974,840; Sept. 25.
- Allen, Earle F. (See Allen, Oliver L., and E. F.)
- Allen, Earle F., assignor to Allen-Drew Company, Cambridge, Mass. Sliding door. 1,960,860; May 29.
- Allen, Edward B., and M. D. Knox, Newton, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Pull-off mechanism for sewing machines. 1,983,263; Dec. 4.
- Allen, Edward B., and M. D. Knox, Newtown, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Stitch forming mechanism for buttonhole sewing machines. 1,966,432; July 17.
- Allen, Edward B., and M. D. Knox, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanism for sewing machines. 1,966,433; July 17.
- Allen, Edward P., St. Louis, Mo. Liquid dauber. 1,970,831; Aug. 21.
- Allen, Edwin H., assignor to Highway Trailer Company, Edgerton, Wis. Convertible fifth wheel. 1,971,593; Aug. 28.
- Allen, Edwin H., assignor to Highway Trailer Company, Edgerton, Wis. Automatic trailer support. 1,976,979; Oct. 16.
- Allen, Edwin H., assignor to Highway Trailer Company, Edgerton, Wis. Service drive mechanism for trailers. 1,976,978; Oct. 16.
- Allen Electric and Equipment Company. (See Allen, Gerald H., assignor.)
- Allen, Floyd W. (See Nelson, B. C., and Allen.)
- Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company. Apparatus for discharging an ash hopper. 1,943,780; Jan. 16.
- Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company. Vacuum cleaner nozzle. 1,951,316; Mar. 13.
- Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company. Centrifugal pump. 1,967,182; July 17.
- Allen, Frank U., Milwaukee, Wis. Regulating tool. 1,973,940; Sept. 18.
- Allen, Frank V. (See Jimerson, F. A., and Allen.)
- Allen, Frederick T., Cambridge, Mass. Laundry machinery. 1,960,404; May 29.
- Allen, George F., Atlanta, Ga. Variable speed drive. 1,985,135; Dec. 18.
- Allen, George H. A., Northcote, Victoria, Australia. Spiked roller. 1,955,937; Apr. 24.
- Allen, George M., Ridley Park, assignor to The Viscose Company, Marcus Hook, Pa. Equalizing device for rayon spinning. 1,974,323; Sept. 18.
- Allen, George W., Boston, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Vacuum cleaner. 1,985,849; Dec. 25.
- Allen, George W., Hyde Park, and L. B. Salt, Chestnut Hill, assignors to B. F. Sturtevant Company, Hyde Park, Mass. Latching device. 1,958,602; May 15.
- Allen, Gerald H., assignor to Allen Electric and Equipment Company, Kalamazoo, Mich. Tester for storage batteries. 1,974,440; Sept. 25.
- Allen, Grosvenor N., M. G. Parker, and L. E. Ressegger, assignors to Oneida Community, Limited, Oneida, N. Y. Pot or similar article. Des. 92,445; June 12.
- Allen, Grosvenor N., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 92,568; June 26.
- Allen, Grosvenor N., M. P. Fleming, and L. E. Ressegger, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 93,698; Oct. 30.
- Allen, Grover C. (See Morris, H. G., and Allen.)
- Allen & Hanburys Limited. (See Evers, N., Eastland and Thompson, assignors.)

- Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Toy telephone. 1,945,473; Jan. 30.
- Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Toy telephone. 1,949,852; Mar. 6.
- Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Wheeled toy. 1,952,832; Mar. 27.
- Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Wheeled toy. 1,967,524; July 24.
- Allen, Harold D., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Wheeled toy. 1,979,242; Nov. 6.
- Allen, Harry D., Hayward, Calif. Gyroscopic instrument. 1,975,442; Oct. 2.
- Allen, Henry A., trustee, et al. (See Pratt, Harry P., assignor.)
- Allen, Henry H., Huntington Bay, Long Island, N. Y., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 1,941,509; Jan. 2.
- Allen, Herbert I., and D. B. Ayerst, assignors to Electron Chemical Company, Portland, Maine. Electrolytic cell. 1,971,763; Aug. 28.
- Allen, Howard E., Nutley, N. J., assignor to Westinghouse Lamp Company. Incandescent electric lamp. 1,953,456; Apr. 3.
- Allen, Howard G. (See Bliss, H. R., and Allen.)
- Allen, Howard G., Niagara Falls, N. Y., assignor, by mesne assignments, to Boston Wire Stitcher Company, Warwick, R. I. Sealed package. 1,948,089; Feb. 20.
- Allen, Hugh E., Chicago, assignor of one-half to A. G. McCaleb, Evanston, Ill. Condimentation and coloration of foodstuffs. 1,956,784; May 1.
- Allen, Hugh E., Chicago, assignor of one-half to A. G. McCaleb, Evanston, Ill. Protein food-color and producing same. 1,956,785; May 1.
- Allen, John M., Toronto, Ontario, Canada. Hosiery heel and making same. 1,979,360; Nov. 6.
- Allen, John M., Toronto, Ontario, Canada, assignor to Scott & Williams, Incorporated, Jamaica, N. Y. Hosiery toe. 1,975,706; Oct. 2.
- Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,943,781; Jan. 16.
- Allen, Joseph W., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starter. 1,946,957; Feb. 13.
- Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Starting mechanism. 1,952,228; Mar. 27.
- Allen, Joseph W., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine controlling apparatus. 1,952,229; Mar. 27.
- Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Brush mounting for electrical machines. 1,954,910; Apr. 17.
- Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Yielding coupling. 1,965,024; July 3.
- Allen, Lavont C., assignor to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,972,969; Sept. 11.
- Allen, Lewis R., Carbondale, Ill. Size grading mechanism. 1,972,369; Sept. 4.
- Allen, Luke G., Phoenix, Ariz. Tobacco can. 1,958,328; May 8.
- Allen Manufacturing Company, The. (See Flynn, Michael H., assignor.)
- Allen, Mark W., & Company. (See Spence, James E., assignor.)
- Allen, Marshall S., Chicago, Ill., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for handling packed metal stock. 1,950,377; Mar. 13.
- Allen, Morris C., Chicago, Ill., assignor to Sullivan Machinery Company. Core orienting instrument. 1,954,115; Apr. 10.
- Allen, Morris C., Chicago, Ill., assignor to Sullivan Machinery Company. Drilling apparatus. 1,985,229; Dec. 25.
- Allen, Norman A. (See Scott, T. R., and Allen.)
- Allen, Oliver L., Waltham, and E. F. Allen, Cambridge, assignors to Allen-Drew Company, South Boston, Mass. Elevator door. 1,961,188; June 5.
- Allen, Philip S., Avalon, Calif. Method of and device for producing ornamented beverages and frozen confections. 1,949,772; Mar. 6.
- Allen, Rae & Company. (See Featherstone, William H., assignor.)
- Allen, Ralph C., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Synchronized clock. 1,954,780; Apr. 17.
- Allen, Ralph C., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Synchronized clock system of the series type. 1,954,781; Apr. 17.
- Allen, Roy H., assignor to The Fate-Root-Heath Company, Plymouth, Ohio. Tractor radiator. Des. 91,855; Apr. 3.
- Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 1,982,278; Nov. 27.
- Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Glassware forming machine. 1,970,792; Aug. 21.
- Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Glass-molding machine. 1,974,841; Sept. 25.
- Allen, Russell G., and J. E. McLaughlin, Alton, Ill., assignors to Owens-Illinois Glass Company. Glassware forming machine. 1,981,937; Nov. 27.
- Allen, S. L., & Co. (See Allen, Charles J., assignor.)
- Allen, S. L., & Co. (See Bowen, James M., assignor.)
- Allen, S. L., & Co. (See Mader, Joseph, assignor.)
- Allen, Scott E., East Orange, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Opening device for fluid containers. 1,977,789; Oct. 23.
- Allen, Scott E., and O. N. Wiswell, Los Angeles, Calif., assignors to Colony Management Corporation. Chilling method and tool for expansion fits. 1,955,728; Apr. 24.
- Allen, Scott E., and O. N. Wiswell, Los Angeles, Calif., assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J. Stage discharge of pressure cylinder. 1,969,869; Aug. 14.
- Allen, Scott E., Glen Ridge, and J. E. Rennert, Springfield, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Discharge head for fluid containers. 1,974,254; Sept. 18.
- Allen, Scott E., and O. N. Wiswell, Los Angeles, Calif., assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J. Release valve. 1,984,510; Dec. 18.
- Allen-Sherman-Hoff Company, The. (See Allen, Frank B., assignor.)
- Allen-Sherman-Hoff Company, The. (See Mylting, Lauritz E., assignor.)
- Allen, Stuart R. W., Westmount, Quebec, Canada, assignor, by mesne assignments, to Simmons Company, New York, N. Y. Bed spring. 1,977,370; Oct. 16.
- Allen, T. Warren, and C. F. Rogers, Washington, D. C. Method and apparatus for mixing and spreading road material. 1,953,890; Apr. 3.
- Allen, Wallace T. (See Jackson, J. G., and Allen.)
- Allen, Walter S. (See Mullen, E. J., and Allen.)
- Allen, Walter Z., assignor to Prairie Investment Corporation, Tulsa, Okla. Reciprocating electric motor. 1,954,689; Apr. 10.
- Allen, Walter Z., assignor to Prairie Investment Corporation, Tulsa, Okla. Baseball game apparatus. 1,966,748; July 17.
- Allen, William H., assignor to Sutherland Paper Company, Kalamazoo, Mich. Packing apparatus. 1,950,961; Mar. 13.
- Allen, William R., Shaker Heights, and E. C. Hartley, Euclid Village, Ohio, assignors to Multigraph Company, Wilmington, Del. Printing plate and holding means therefor. 1,967,221; July 24.
- Allen, Wyeth, assignor to Chase Bag Co., Milwaukee, Wis. Cloth folding attachment. 1,959,121; May 15.
- Allen, Wyeth, assignor to Globe-Union Mfg. Co., Milwaukee, Wis. Inspection machine. 1,965,819; July 10.
- Allendorf, Fritz, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Lubricating arrangement for magneto-electric ignition apparatus. 1,947,400; Feb. 13.
- Allerding, Cletus N., Metropolis, Ill. Folding chair. 1,970,266; Aug. 14.
- Allers, Harry A., Baltimore, Md. Bottle. Des. 92,509; June 19.
- Alleva, Frank, Yonkers, N. Y. Can puncturing device. Des. 92,873; July 31.
- Allgemeine Electricitäts-Gesellschaft. (See Anders, Guido, assignor.)
- Allgemeine Elektrizitäts Gesellschaft. (See Engel, Kurt, assignor.)
- Allgemeine Elektrizitäts-Gesellschaft, et al. (See Stein, T., and Wünsch, assignors.)
- Allgemeine Elektrizitäts-Gesellschaft. (See Strelow, Wilhelm, assignor.)
- Allgemeine Elektrizitäts Gesellschaft, Friedrich Karl. (See Meissner, Alexander.)
- Allgemeine Elektrizität Gesellschaft. (See Kniepen, Peter.)
- Allgemeine Elektrizitäts-Gesellschaft. (See Akemann, Walter, assignor.)
- Alliance Manufacturing Company, The. (See Clark, Harold W., assignor.)
- Alliance Manufacturing Company, The. (See Lewis, Owen L., assignor.)
- Allibone, Thomas E., Sale, England, assignor to General Electric Company. High voltage discharge tube and circuits therefor. 1,981,537; Nov. 20.
- Allied Manufacturing Company. (See Zimmerman, Harry, assignor.)
- Allied Products Corporation. (See Briggs, D. E., and Kain, assignors.)
- Allied Products Corporation. (See Richard, Clement C., assignor.)
- Alling, Guy E., assignor to Athol Manufacturing Company, Athol, Mass. Pyroxylin sheet material. 1,945,250; Jan. 30.
- Allioni, Umberto, and N. Coen, Rome, Italy; said Coen assignor to said Allioni. Device more particularly adapted for sharpening blades. 1,973,739; Sept. 18.
- Alliot, Enrique. (See Bachmann, R., and Alliot.)
- Allis-Chalmers Manufacturing Company. (See Agthe, F. T., and Newhouse, assignors.)
- Allis-Chalmers Manufacturing Company. (See Becker, George D., assignor.)
- Allis-Chalmers Manufacturing Company. (See Burnham, George A., assignor.)

- Allis-Chalmers Manufacturing Company. (See Buss, O. F., Singleton, Dings, and Munz, assignors.)
- Allis-Chalmers Manufacturing Company. (See Dahlstrand, Hans, assignor.)
- Allis-Chalmers Manufacturing Company. (See Dahms, A. A., and Knudsen, assignors.)
- Allis-Chalmers Manufacturing Company et al. (See De Weir, G. F., Eakin, and McNulty, assignors.)
- Allis-Chalmers Manufacturing Company. (See Earle, Ralph H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Furnas, William C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Giger, Walter A., assignor.)
- Allis-Chalmers Manufacturing Company. (See Gotshall, Robert W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Hagmaier, William G., assignor.)
- Allis-Chalmers Manufacturing Company. (See Journeaux, Didier, assignor.)
- Allis-Chalmers Manufacturing Company. (See Knapp, Amadeo J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Knudsen, Thomas C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Kollberg, Gustaf L., assignor.)
- Allis-Chalmers Manufacturing Company. (See Lindberg, I. F., and Yunker, assignors.)
- Allis-Chalmers Manufacturing Company. (See Marti, Othmar K., assignor.)
- Allis-Chalmers Manufacturing Company. (See Montgomery, Terryl B., assignor.)
- Allis-Chalmers Manufacturing Company. (See Newhouse, R. C., and Becker, assignors.)
- Allis-Chalmers Manufacturing Company. (See Nichols, Louis C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Nicht, Alexander J., Jr., assignor.)
- Allis-Chalmers Manufacturing Company. (See Norelius, Emil F., assignor.)
- Allis-Chalmers Manufacturing Company. (See Powell, William H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Ring, Joseph J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Schmidt, Franz, assignor.)
- Allis-Chalmers Manufacturing Company. (See Sealey, William C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Sprado, Carl G., assignor.)
- Allis-Chalmers Manufacturing Company. (See Stein, Harold J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Watts, Leon A., assignor.)
- Allis, Louis, Company, The. (See Smith, Harold L., assignor.)
- Allison, Charles F., Hedgewisch, assignor to B. F. Gump Co., Chicago, Ill. Bag closing machine. 1,959,015; May 15.
- Allison, Charles F., assignor to B. F. Gump Co., Chicago, Ill. Stop for bag closing machines. 1,963,730; June 19.
- Allison, Charles F., and P. Naeher, assignors to B. F. Gump Co., Chicago, Ill. Vibrating machine for settling contents of bags. 1,947,029; Feb. 13.
- Allison, Charles F., and P. Naeher, assignors to B. F. Gump Co., Chicago, Ill. Bag closing machine. 1,973,696; Sept. 18.
- Allison, Donald K., Los Angeles, Calif., assignor to Chemical and Research Corp. Treating of photographic emulsions. 1,954,512; Apr. 10.
- Allison, Howard W., and S. M. Crumb, Delaware, Ohio. Auxiliary brake and accelerator control. 1,970,160; Aug. 14.
- Allison, James F., Providence, R. I., assignor to Freeman-Daughaday Company. Clasp. 1,974,765; Sept. 25.
- Allman, David W., Toronto, Ontario, Canada. Washing machine. 1,979,361; Nov. 6.
- Allman, Wilsie J., Kansas City, Mo. Railway motor (truck). 1,969,919; Aug. 14.
- Allmann Svenska Elektriska Aktiebolaget. (See Dreyfus, L., and Garde, assignors.)
- Allmanna Svenska Elektriska Aktiebolaget. (See Stålhane, Otto and J. B., assignors.)
- All Metal Products Company. (See Decker, Arnold J., assignor.)
- All Metal Products Company. (See Decker, A. J., and Gora, assignors.)
- All Metal Products Company. (See Schauweker, William K., assignor.)
- Allner, Frederick A., Baltimore, Md. Dual use hydraulic machine. 1,951,640; Mar. 20.
- Alloy Products Corp. (See Wachowitz, Walter J., assignor.)
- Alloy Research Corporation. (See Arness, William B., assignor.)
- Alloy Research Corporation. (See Feild, Alexander L., assignor.)
- Allshouse, Carl W., East Cleveland, Ohio. Pavement and making same. 1,958,506; May 15.
- Allsop, Thomas, assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Treating and drying material. 1,965,209; July 3.
- All-Steel-Equip Company. (See Knell, John, assignor.)
- Allswede, William H., Hersey, Mich. Apparatus for scrubbing and treating gravel. 1,965,568; July 10.
- Alltree, Arthur, Pressall, near Fleetwood, England. Change speed gearing. 1,982,976; Dec. 4.
- Allwood, Albert, and T. R. Broom, assignors to Southern Asbestos Company, Charlotte, N. C. Method of and apparatus for forming filled textile tubes. 1,964,656; June 26.
- Allyn, Lewis B., Westfield, Mass., assignor to Vitamin Food Co. Inc., New York, N. Y. Preservation of vitamins. 1,964,867; July 3.
- Allyn, William N., Auburn, N. Y. Ophthalmoscope. 1,981,214; Nov. 20.
- Allyne, Edmund E., Cleveland, Ohio. Cabinet and shelf structure. 1,970,213; Aug. 14.
- Allyne, Edmund E., Cleveland Heights, Ohio. Refrigerating apparatus. 1,970,214; Aug. 14.
- Allyne, Edmund E., Cleveland Heights, Ohio. Absorption refrigerating apparatus. 1,978,662; Oct. 30.
- Alm, Thure W., Stewart Manor, and M. Pedersen, Brooklyn, N. Y., assignors to International Cigar Machinery Company. Cellophane envelope end-folding attachment for cigar-foiling machines. 1,964,020; June 26.
- Alma, Carl E., Vienna, Austria, and H. Egen, assignors to Fried Krupp Aktiengesellschaft, Essen, Germany. Brake operating means. 1,950,587; Mar. 13.
- Almarc, Inc. (See Hodgkins, Albert A., assignor.)
- Almeida, Edmundo, London, assignor of one-half to Arthur Du Cros, Sussex, England. Secondary cell. 1,980,606; Nov. 13.
- Almen, John O., Royal Oak, assignor to General Motors Research Corporation, Detroit, Mich. Car suspension. 1,948,482; Feb. 27.
- Almen, John O., Royal Oak, assignor to General Motors Research Corporation, Detroit, Mich. Bevel drive pinion mounting. 1,961,323; June 5.
- Almen, John O., Royal Oak, and G. P. Berry, assignors to General Motors Research Corporation, Detroit, Mich. Hydraulic slack adjuster. 1,955,786 Apr. 24.
- Almen, John O., Royal Oak, and J. Dolza, Flint, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Hoop governor with double acting weight. 1,984,006; Dec. 11.
- Al-Metal Universal Joint Company, The. (See Peters, Frederick W., assignor.)
- Almgren, August E., Hillside, N. J., assignor to American Can Company, New York, N. Y. Machine for making can-opening keys. 1,954,791; Apr. 17.
- Almgren, August E., Hillside, N. J., assignor to American Can Company, New York, N. Y. Friction plug inserting apparatus. 1,972,858; Sept. 11.
- Almquist, Gus, Perris, Calif. Packer head. 1,972,002; Aug. 28.
- Almy, Charles F. H. (See Almy, Walter S. and C. F. H.)
- Almy, Richard, assignor to Armstrong Cork Company, Lancaster, Pa. Shoe bottom filling material and making the same. 1,968,668; July 31.
- Almy, Walter S., Providence, and C. F. H. Almy, Edgewood, assignors to Almy Water Tube Boiler Company, Providence, R. I. Water tube boiler. 1,972,003; Aug. 28.
- Almy Water Tube Boiler Company. (See Almy, Walter S. and C. F. H., assignors.)
- Alox Chemical Corporation. (See Burwell, Arthur W., assignor.)
- Alozerij, Nicolaas J. G. (See Carswell, T. S., Stehly, and Alozerij.)
- Alper, Henry S., Detroit, Mich. Necktie. 1,949,851; Mar. 6.
- Alpern, Harry, assignor of one-half to L. B. Cook, Pittsburgh, Pa. Machine rest. 1,945,765; Feb. 6.
- Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Automatic control system for furnace combustion air. 1,965,444; July 3.
- Alpers, Christopher F., and W. Hasenbrook, Champaign, Ill. Illuminated license plate. 1,950,283; Mar. 6.
- Alpers, Henry, Columbus, Nebr. Furniture. 1,956,483; Apr. 24.
- Alpine Aktiengesellschaft Eisengiesserei und Maschinenfabrik. (See Kuhr, Albert, assignor.)
- Alquist, Francis N. (See Britton, E. C., Martin, Alquist, and Heindel.)
- Alred, Daniel M. (See Madsen, Carl J., assignor.)
- Alsaker, Alfred. (See Fjellstedt, T., Alsaker, and Hamp-ton.)
- Alsaker, Alfred, assignor to The Delta-Star Electric Company, Chicago, Ill. Connecting means. 1,974,092; Sept. 18.
- Alsaker, Alfred, Chicago, and A. E. Nessler, Evanston, assignors to Delta-Star Electric Company, Chicago, Ill. Distribution connector. 1,964,803; July 3.
- Alsaker, Alfred, and N. G. Polgov, assignors to Delta-Star Electric Company, Chicago, Ill. Bus clamp. 1,979,090; Oct. 30.
- Alsaker, Alfred, Chicago, and A. E. Nessler, Evanston, assignors to The Delta-Star Electric Company, Chicago, Ill. Electrical distribution connector. 1,979,091; Oct. 30.
- Alsop, Bertha S., New York, N. Y. Baby diaper holder. 1,971,671; Aug. 28.
- Alsop, Bertha S., Scarsdale, N. Y. Baby's garment. 1,977,604; Oct. 23.
- Alsop, Samuel, New York, N. Y. Mixer. 1,981,215; Nov. 20.
- Alsted, Lewis L. (See Davis, A. B., Thompson, and Gardner, assignors.)
- Alsted, Lewis L. (See Wells, Sidney D., assignor.)
- Alsted, Lewis L. (See Wells, S. D., and Cramer.)

- Alt, Cornelius A., H. C. Graebner, and L. Moffett, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of coated fabrics. 1,951,119; Mar. 13.
- Alt, Hermann, Klotzsche, near Dresden, Germany. Gearing for performing movements with intercalated periods of standstill. 1,964,900; July 3.
- Altenberg, Alfons A., Maywood, Ill., assignor to U. S. Governor Corporation. Governor for internal combustion engines. 1,959,515; May 22.
- Altenburger, Ira O., and N. W. De Frees, Hastings, Minn., assignors to H. D. Hudson Manufacturing Company, Chicago, Ill. Sprayer. 1,979,135; Oct. 30.
- Altendorf, George A., assignor to Giant Grip Manufacturing Company, Oshkosh, Wis. Pitching shoe. Des. 92,642; July 3.
- Altenkirch, Edmund, Neunhagen, near Berlin, Germany, assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Process and apparatus for heat exchange between two currents of gas. 1,951,336; Mar. 20.
- Altenkirch, Edmund, Neunhagen, near Berlin, Germany, assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Method and apparatus for preventing the liquefied refrigerant from freezing. 1,953,329; Apr. 3.
- Altenkirch, Edmund, Alt-Landsberg Sud, Germany, assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Refrigeration. 1,955,697; Apr. 17.
- Altenkirch, Edmund, Alt-Landsberg-Sud, Germany, assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Absorption apparatus. 1,976,593; Oct. 9.
- Alterio, Eugene, and J. F. Clements, New York, N. Y. Self-equalizing brake mechanism for vehicles. 1,984,352; Dec. 18.
- Alterra A. G. (See Stauffer, Richard, assignor.)
- Alterra A. G. (See Stauffer, R., and Konopicky, assignors.)
- Alterson, Louis, New York, N. Y. Buckle. 1,947,690; Feb. 20.
- Altium Kredit-Aktien-Gesellschaft. (See Bartling, Friedrich, assignor.)
- Altium Kredit-Aktien-Gesellschaft. (See Bartling, F., and Meier, assignors.)
- Altium-Kredit-Aktiengesellschaft. (See Fricke, H., and Meier, assignors.)
- Altgelt, Herman E., South Bend, Ind., assignors, by mesne assignments, to Oliver Farm Equipment Company. Tractor implement. 1,956,262 Apr. 24.
- Altgelt, Rudolph J. (See Dewend, W. D., and Altgelt.)
- Althaus, William E., and R. C. Swank, Dayton, Ohio. Ash sifter. 1,966,535; July 17.
- Alzheimer, Ben, assignor to M. Alzheimer, University City, Mo. Paper radiator shield. 1,935,003; Dec. 18.
- Alzheimer, Myrtle. (See Alzheimer, Ben, assignor.)
- Althen, William C., Columbus, Ohio. Tire or similar article. Des. 92,383; June 5.
- Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,963,605; June 19.
- Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Cracking heavy hydrocarbon oils. 1,965,168; July 3.
- Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,974,295; Sept. 18.
- Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting petroleum oil. 1,979,521; Nov. 6.
- Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,982,462; Nov. 27.
- Althoff, Anny, Miami, Fla. Spring darning attachment for sewing machines. 1,950,076; Mar. 6.
- Altmayer, Frank, Cleveland, and A. O. Codney, Cleveland Heights, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery filler. 1,956,968; May 1.
- Altmayer, John. (See Rose, C. C., and Altmayer.)
- Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Toilet soap powder. 1,943,253; Jan. 9.
- Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Powdered soap product and preparing the same. 1,968,628; July 31.
- Alton, William H., New York, N. Y., and H. I. Jones, Wilmette, Ill., assignors to R. T. Vanderbilt Co., Inc., New York, N. Y. Method and composition for treating textiles. 1,975,493; Oct. 2.
- Altorfer, Alpheus W., Peoria, Ill. Control means for washing machine roll wringer mechanism. 1,947,576; Feb. 20.
- Altorfer, Alpheus W., Peoria, Ill. Control means for washing machine roll wringer mechanism. 1,962,471; June 12.
- Altorfer, Alpheus W., Peoria, Ill. Control means for washing machine roll wringer mechanism. 1,962,853; June 12.
- Altorfer, Alpheus W., Peoria, Ill. Driving and clutch mechanism for washing machines. 1,935,273; Dec. 25.
- Altorfer Bros. Company, et al. (See Stokes, Oscar E., assignor.)
- Altpeter, Ludwig, Essen, Germany. Centrifugal. 1,944,391; Jan. 23.
- Altpeter, Ludwig, Essen, Germany. Centrifuge. 1,962,048; June 5.
- Altvater, Arthur W., University City, Mo. Cutting, trimming, and ornamenting machine. 1,941,966; Jan. 2.
- Altvater, Arthur W., University City, Mo. Composite die for shoe parts. 1,976,473; Oct. 9.
- Altvater, Arthur W., St. Louis, Mo. Adjustable die for ornamenting shoe parts. 1,977,709; Oct. 23.
- Altvater, Arthur W., University City, Mo. Device for forming cut-outs. 1,982,943; Dec. 4.
- Aluminum Chloride Oil Refining Company. (See Carl, B. E., and Austin, assignors.)
- Aluminum Colors Incorporated. (See Bengston, Helmer, assignor.)
- Aluminum Colors, Incorporated. (See Work, Harold K., assignor.)
- Aluminum Company of America. (See Archer, R. S., and Fink, assignors.)
- Aluminum Company of America. (See Barnitt, J. B., and Derr, assignors.)
- Aluminum Company of America. (See Belding, George A., assignor.)
- Aluminum Company of America. (See Bohn, Donald I., assignor.)
- Aluminum Company of America. (See Boyer, D. A., and Rearick, assignors.)
- Aluminum Company of America. (See Bungay, George W., assignor.)
- Aluminum Company of America. (See Burdick, John S., assignor.)
- Aluminum Company of America. (See Callis, C. C., and Derr, assignors.)
- Aluminum Company of America. (See Chandler, Edward M., assignor.)
- Aluminum Company of America. (See Churchill, Harry V., assignor.)
- Aluminum Company of America. (See Derr, Ralph B., assignor.)
- Aluminum Company of America. (See Derr, R. B., and Willmore, assignors.)
- Aluminum Company of America. (See Dix, E. H., jr., and Kempf, assignors.)
- Aluminum Company of America. (See Doerschuk, V. C., and Schoeffel, assignors.)
- Aluminum Company of America. (See Edwards, Junius D., assignor.)
- Aluminum Company of America. (See Ennork, W. T., and King, assignors.)
- Aluminum Company of America. (See Fair, Marcus A., assignor.)
- Aluminum Company of America. (See Frary, Francis C., assignor.)
- Aluminum Company of America. (See Gitzen, Walter H., assignor.)
- Aluminum Company of America. (See Guyot, Marius, assignor.)
- Aluminum Company of America. (See Handler, Alfred A., assignor.)
- Aluminum Company of America. (See Hersam, Andrew J., assignor.)
- Aluminum Company of America. (See Horner, George W., assignor.)
- Aluminum Company of America. (See Hurley, Charles P., assignor.)
- Aluminum Company of America. (See Keller, F., and Sager, assignors.)
- Aluminum Company of America. (See Kempf, L. W., and Dawson, assignors.)
- Aluminum Company of America. (See Kempf, L. W., and Dean, assignors.)
- Aluminum Company of America. (See Maiby, Seth G., assignor.)
- Aluminum Company of America, The. (See McChesney, V. A., and Milnes, assignors.)
- Aluminum Company of America. (See Nock, Joseph A., jr., assignor.)
- Aluminum Company of America. (See Noyes, Maxwell E., assignor.)
- Aluminum Company of America. (See Pacz, Aladar, assignor.)
- Aluminum Company of America. (See Roberts, Wayne B., assignor.)
- Aluminum Company of America. (See Sharp, J. E., and Kipfer, assignors.)
- Aluminum Company of America. (See Stephens, Forrest H., assignor.)
- Aluminum Company of America. (See Taylor, Cyril S., assignor.)
- Aluminum Company of America. (See Templin, Richard L., assignor.)
- Aluminum Company of America. (See Tosterud, Martin, assignor.)
- Aluminum Company of America. (See Wagner, G. H., and Mowe, assignors.)
- Aluminum Company of America. (See Weber, Ludwig J., assignor.)
- Aluminum Company of America. (See Work, Harold K., assignor.)
- Aluminum Cooking Utensil Company, The. (See Fletcher, R. P., and Towne, assignors.)
- Aluminum Cooking Utensil Company, The. (See Matter, J. K., and Geiger, assignors.)
- Aluminum Goods Manufacturing Company. (See Larsen, Alantser F., assignor.)
- Aluminum Industries, Inc. (See Lewis, Richard B., jr., assignor.)

- Aluminum Industries, Inc. (See Staples, Evans M., assignor.)
- Aluminum Plant & Vessel Company Limited, The. (See Kern, F. B., and French, assignors.)
- Alvarado, Alfonso M., Wilmington, Del., and A. N. Parrett, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Asphaltic coating compositions and materials coated therewith. 1,955,355; Apr. 17.
- Alvey, Aloysius B. and G. H., and E. A. Young, assignors to Uvalde Rock Asphalt Company, San Antonio, Tex. Extraction of asphalt. 1,952,647; Mar. 27.
- Alvey Conveyor Manufacturing Company. (See Alvey, John M., assignor.)
- Alvey Conveyor Manufacturing Company. (See Alvey, J. M., and Worrall, assignors.)
- Alvey Conveyor Manufacturing Company. (See Worrall, Roy R., assignor.)
- Alvey, Glenn H. (See Alvey, Aloysius B. and G. H., and Young.)
- Alvey, Glenn H., assignor to Uvalde Rock Asphalt Company, San Antonio, Tex. Sand rock asphalt pavement. 1,946,517; Feb. 13.
- Alvey, Glenn H., assignor to Uvalde Rock Asphalt Company, San Antonio, Tex. Laminated floor covering. 1,954,858; Apr. 17.
- Alvey, Glenn H., assignor to Uvalde Rock Asphalt Company, San Antonio, Tex. Asphalt expansion joint. 1,965,403; July 3.
- Alvey, John M., New York, N. Y., assignor to Alvey Conveyor Manufacturing Company, St. Louis, Mo. Conveyor. 1,948,090; Feb. 20.
- Alvey, John M., New York, N. Y., and R. R. Worrall, Webster Groves, assignors to Alvey Conveyor Manufacturing Company, St. Louis, Mo. Conveyor. 1,948,091; Feb. 20.
- Alvis Car & Engineering Company Limited, The. (See Smith-Clarke, George T., assignor.)
- Alviset, Gustave A., Houston, Tex. Combination control and gate valve. 1,942,232; Jan. 2.
- Alvord, Charles C., assignor to Worcester Loom Works, Worcester, Mass. Tuft frame for looms. 1,948,835; Feb. 27.
- Alvord, Earl B., Cleveland Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Fungicides and bactericides. 1,962,109; June 5.
- Alvring, Oscar A., Midsommarkransen, near Stockholm, Sweden. Fluid measuring apparatus. 1,970,538; Aug. 21.
- Amalgamated Leather Companies et al. (See Friedheim, Louis, assignor.)
- Amalgamated Products Co. Inc. (See Weller, William W., assignor.)
- Amalgamated Roofing Company. (See Maclean, Robert, assignor.)
- Aman, Frank A., and H. B. Sandmann, jr., Cincinnati, Ohio. Box with hinged lid. 1,948,483; Feb. 27.
- Amann, Max, Frankfurt-on-the-Main, Germany. Equipment for supplying current impulses. 1,946,891; Feb. 13.
- Amann, Max, assignor to H. Fuld & Co. Telephon und Telegraphenwerke A.-G., Frankfurt-on-the-Main, Germany. Current impulse transmitter. 1,938,960; Dec. 11.
- Amann, Max, and A. Lahl, Frankfurt-on-the-Main, Germany. Typeprinting or setting machine. 1,964,841; July 3.
- Amann, Max, and A. Lahl, Frankfurt-on-the-Main, Germany. Telegraph receiver. 1,967,216; July 24.
- Amann, Paul, Nanterre, and A. Pie, Paris, France. Manufacture of lasts. 1,979,597; Nov. 6.
- Amantea, Samuel, Niagara Falls, N. Y. Detachable heel lift for shoes. 1,963,641; June 19.
- Amarel Corporation. (See Zieley, John D., assignor.)
- Amato, Frank. (See Groener, Samuel, assignor.)
- Ambler Asbestos Shingle & Sheathing Company. (See Haff, Charles P., assignor.)
- Ambler Asbestos Shingle & Sheathing Company. (See Ledebor, John W., assignor.)
- Ambler Asbestos Shingle & Sheathing Company. (See Mattison, Royal, assignor.)
- Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Loom. 1,954,609; Apr. 10.
- Ambler, Robert R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Trimming machine. 1,958,122; May 8.
- Ambrose, Alfred J., Yakima, Wash., assignor to The Cascade Lumber Company, Machine for making box tops and bottoms. 1,974,636; Sept. 25.
- Ambrose, Alfred J., Yakima, Wash., assignor to Cascade Lumber Company, Machine for making box tops and bottoms. 1,979,433; Nov. 6.
- Ambroz, Joseph G., and L. L. Fish, Chicago, Ill. Quick action float valve. 1,983,061; Dec. 4.
- Amco, Incorporated. (See Geer, Paul L., assignor.)
- Amco, Incorporated. (See Geer, P. L., Moore, and Morton, assignors.)
- Amco, Incorporated. (See Geer, P. L., and Morton, assignors.)
- Amco, Incorporated. (See Morton, William A., assignor.)
- Amco, Incorporated. (See Morton, W. A., and Geer, assignors.)
- Amco, Incorporated. (See Morton, W. A., and Nielsen, assignors.)
- Amer, Shleemon J., Yonkers, N. Y. Trowel. 1,956,870; Apr. 24.
- Amend, John H., and J. Lewis, Des Moines, Iowa. Sleeve protector. 1,949,773; Mar. 6.
- American Air Filter Company. (See Hammond, James K., assignor.)
- American Air Filter Company. (See Sylvan, Stig G. son, assignor.)
- American Air Filter Company, Inc. (See Hegan, Chester P., assignor.)
- American Aluminum Ware Co. (See Brucker, Henry, assignor.)
- American Anode, Inc. (See Beal, Carl L., assignor.)
- American Anode Inc. (See Dales, Benton, assignor.)
- American Anode Inc. (See Hansen, Merrill E., assignor.)
- American Anode Inc. (See Klein, P., and Szegevari, assignors.)
- American Anode Inc. (See Szegevari, Andrew, assignor.)
- American Arch Company. (See Antill, Philip W., assignor.)
- American Arch Company. (See Neff, John P., assignor.)
- American Ball Mill Company. (See Van Pelt, Elmer L., assignor.)
- American Bank Note Company. (See Aitchison, Peter, assignor.)
- American Bank Note Company. (See Marquardt, Frank C., assignor.)
- American Bank Note Company. (See Wood, Frank T., assignor.)
- American Bar Products Company. (See Rhodes, E. O., and Hyde, assignors.)
- American Bemberg Corporation. (See Hardt, Gustav, assignor.)
- American Bemberg Corporation. (See Hartmann, A., and Höfinghoff, assignors.)
- American Bemberg Corporation. (See Hoelkeskamp, Franz, assignor.)
- American Bemberg Corporation. (See Hofmann, Hugo, assignor.)
- American Bemberg Corporation. (See Johann, Karl, assignor.)
- American Bemberg Corporation. (See Malkomes, Theodore, assignor.)
- American Bemberg Corporation. (See Meyer-Gaus, Karl, assignor.)
- American Bemberg Corporation. (See Ostermann, Walter, assignor.)
- American Bemberg Corporation. (See Zart, A., and Hoelkeskamp.)
- American Bemberg Corporation. (See zur Löwen, Walde-mar, assignor.)
- American Bicheroux Company, The. (See Genenger, Richard, assignor.)
- American Bicheroux Company, The. (See von Reis, Lambert, assignor.)
- American Bitumuls Company. (See McKesson, C. L., Thompson, and Buckley, assignors.)
- American Blind Stitch Machine Company. (See Dearborn, Charles A., assignor.)
- American Blower Corporation. (See Anderson, Edward L., assignor.)
- American Blower Corporation. (See Morse, C. T., and Hogan, assignors.)
- American Blower Corporation. (See Wagner, Frederick H., jr., assignor.)
- American Box Board Company. (See Hazard, T. C., and Anderson, assignors.)
- American Box Board Company. (See Jensen, William B., assignor.)
- American Brake Company, The. (See Schwentler, Francis E., assignor.)
- American Brakeblok Corporation. (See Blume, William A., assignor.)
- American Brakeblok Corporation. (See Smith, Harry N., assignor.)
- American Brakeblok Corporation. (See Spokes, Ray E., assignor.)
- American Brake Shoe and Foundry Company. (See Cargent, Fitz W., assignor.)
- American Brake Shoe and Foundry Company, The. (See Fahrenwald, Frank A., assignor.)
- American Brake Shoe & Foundry Company, The. (See Nelson, Albert, assignor.)
- American Brake Shoe and Foundry Company, The. (See Sargent, Fitz William, assignor.)
- American Brake Shoe and Foundry Company. (See Sutherland, Wallace B., assignor.)
- American Brake Shoe and Foundry Company, The. (See Winters, Wilbur H., assignor.)
- American Brass Company, The. (See Anderson, Cedric S., assignor.)
- American Brass Company, The. (See Coe, James R., assignor.)
- American Brass Company, The. (See Cooper, Charles F., assignor.)
- American Brass Company, The. (See Henderson, Alexander, assignor.)
- American Brass Company, The. (See Hibbard, W. B., and Candee, assignors.)
- American Brass Company, The. (See Jennison, Herbert C., assignor.)
- American Brass Company, The. (See Morell, Pascal J., assignor.)
- American Brass Company, The. (See Munson, Elmer L., assignor.)
- American Brass Company, The. (See Silliman, Horace F., assignor.)

- American Buckle Company, The. (See Hodge, Robert J., assignor.)
 American Button Sewing Machine Co. (See Lyons, Robert L., assignor.)
 American Cabinet Hardware Corp. (See Aldeen, Gedor W., assignor.)
 American Cable Company. (See Blamire, Reginald, assignor.)
 American Cable Company. (See Burd, G. C., and Griswold, assignors.)
 American Cable Company. (See Conner, Edward A., assignor.)
 American Cable Company. (See Schmitz, Herrmann, assignor.)
 American Cable Company. (See Williams, Harry, assignor.)
 American Cable Company. (See Zündorf, Hellmuth, assignor.)
 American Cable Company, Inc. (See Burd, Gorman C., assignor.)
 American Cable Company, Inc. (See Kuney, Fred S., assignor.)
 American Cable Company, Inc. (See Williams, H., and Burd, assignors.)
 American Can Company. (See Almgren, August E., assignor.)
 American Can Company. (See Bach, Neils P., assignor.)
 American Can Company. (See Baechle, James E., assignor.)
 American Can Company. (See Baillie, William, assignor.)
 American Can Company. (See Bertucci, Antone, assignor.)
 American Can Company. (See Birkland, Stellan, assignor.)
 American Can Company. (See Block, William I., assignor.)
 American Can Company. (See Butler, William F., assignor.)
 American Can Company. (See Currie, Robert, assignor.)
 American Can Company. (See Erb, George C., assignor.)
 American Can Company. (See Erne, Charles H., assignor.)
 American Can Company. (See Gray, James A., assignor.)
 American Can Company. (See Holloway, William M., assignor.)
 American Can Company. (See Hothersall, John M., assignor.)
 American Can Company. (See Jacobs, Samuel S., assignor.)
 American Can Company, et al. (See Kenny, William J., assignor.)
 American Can Company. (See Langdon, Amon W., assignor.)
 American Can Company. (See Magill, Donald G., assignor.)
 American Can Company. (See Malmquist, Adolph K., assignor.)
 American Can Company. (See Murch, John H., assignor.)
 American Can Company. (See Nicholls, Henry M., assignor.)
 American Can Company. (See Patterson, Arthur C., assignor.)
 American Can Company. (See Pechy, William, assignor.)
 American Can Company. (See Pelosi, Nicholas, assignor.)
 American Can Company. (See Peters, John F., assignor.)
 American Can Company. (See Peterson, John F., assignor.)
 American Can Company. (See Reid, John G., assignor.)
 American Can Company. (See Rennie, William H., assignor.)
 American Can Company. (See Reynolds, Henry, assignor.)
 American Can Company. (See Steerup, Godfrey, assignor.)
 American Can Company. (See Widell, Magnus E., assignor.)
 American Can Company. (See Yost, Frank M., assignor.)
 American Can Company. (See Young, John M., assignor.)
 American Car and Foundry Company. (See Brewer, William A., assignor.)
 American Car and Foundry Company. (See Campbell, Edmund D., assignor.)
 American Car and Foundry Company. (See Clarke, Allen W., assignor.)
 American Car and Foundry Company. (See Dietrichson, William F., assignor.)
 American Car and Foundry Company. (See Folmsbee, Clyde H., assignor.)
 American Car and Foundry Company. (See Gibbs, Frederick H., assignor.)
 American Car and Foundry Company. (See Johnson, William S., assignor.)
 American Car and Foundry Company. (See Lehmann, Arthur E., assignor.)
 American Car and Foundry Company. (See Pancake, Herman H., assignor.)
 American Car and Foundry Company. (See Rich, Donald U., assignor.)
 American Car and Foundry Motors Company. (See Dayes, Frederick E., assignor.)
 American Car and Foundry Motors Company. (See Dayes, F. E., and Chapman, assignors.)
 American Car and Foundry Motors Company. (See Doyle, Willis G., assignor.)
 American Car and Foundry Motors Company. (See Guernsey, Charles O., assignor.)
 American Car and Foundry Motors Company. (See Mathauer, Edmund G., assignor.)
 American Cast Iron Pipe Company. (See Moore, William D., assignor.)
 American Cast Iron Pipe Company. (See Moore, J. W., and Foster, assignors.)
 American Cement Paint Co. (See Moross, William P. D., assignor.)
 American Chain Company. (See Conner, E. A., and Robinson, assignors.)
 American Chain Company. (See Delano, H. A., and Kindt, assignors.)
 American Chain Company, Inc. (See Andren, Lennard, assignor.)
 American Chain Company, Inc. (See Delano, H. A., and Greene, assignors.)
 American Chain Company, Inc. (See Hall, Preston M., assignor.)
 American Chain Company, Inc. (See Nalle, John M., assignor.)
 American Chain Company, Inc. (See Rayburn, John R., assignor.)
 American Chemical Paint Company. (See Gravell, James H., assignor.)
 American Coach & Body Company. (See Larsen, Neil P., assignor.)
 American Coffee Corporation. (See Dent, Edward J., assignor.)
 American Coil Spring Company. (See Johnson, Herbert W., assignor.)
 American Commercial Alcohol Corp. (See Key, Abraham L., assignor.)
 American Concrete and Steel Pipe Company. (See Whiting, William A., assignor.)
 American Concrete and Steel Pipe Company. (See Whiteman, Nathan D., assignor.)
 American Copper & Brass Works. (See Schildman, William F., assignor.)
 American Cotton Machinery Co. (See Green, Sherwood, assignor.)
 American Creosoting Company. (See Austin, Harold E., assignor.)
 American Cyanamid & Chemical Corporation. (See Connolly, Martin J., assignor.)
 American Cyanamid & Chemical Corporation. (See Daniels, L. C., and Jaeger, assignors.)
 American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O., assignor.)
 American Cyanamid & Chemical Corporation. (See Jaeger, A. O., and Daniels, assignors.)
 American Cyanamid & Chemical Corporation. (See Lebk, E., and Lippner, assignors.)
 American Cyanamid Company. (See Ashley, K. D., and Hansen, assignors.)
 American Cyanamid Company. (See Boor, Ladislav, assignor.)
 American Cyanamid Company. (See Bradley, Theodore F., assignor.)
 American Cyanamid Company. (See Buchanan, G. H., and Winner, assignors.)
 American Cyanamid Company. (See Christmann, Ludwig J., assignor.)
 American Cyanamid Company. (See Christmann, L. J., and Jayne, jr., assignors.)
 American Cyanamid Company. (See Christmann, L. J., and Romieux, assignors.)
 American Cyanamid Company. (See Collins, Charles D., assignor.)
 American Cyanamid Company. (See Cooper, Kenneth F., assignor.)
 American Cyanamid Company. (See Cox, George E., assignor.)
 American Cyanamid Company. (See Gray, George P., assignor.)
 American Cyanamid Company. (See Hansen, Waldemar C., assignor.)
 American Cyanamid Company. (See Lahey, Richard W., assignor.)
 American Cyanamid Company. (See Migrdichian, V., and Horsfall, assignors.)
 American Cyanamid Company. (See Moffett, Ernest C., assignor.)
 American Cyanamid Company. (See O'Daniel, Edgar V., assignor.)
 American Cyanamid Company. (See Romieux, C. J., and Ashley, assignor.)
 American Cyanamid Company. (See Spalding, William L., assignor.)
 American Decalcomania Co. (See Lawrence, Jay B., assignor.)
 American District Telegraph Company. (See Hopkins, Richard M., assignor.)
 American Dryice Corporation. (See Goosmann, Justus C., assignor.)
 American Dryice Corporation. (See Jones, C. L., and Small, assignors.)
 American Engineering Company. (See Koons, Charles V., assignor.)
 American Electrical Company. (See Mason, William K., assignor.)
 American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
 American Engineering Company. (See Alpern, Maxwell, assignor.)
 American Engineering Company. (See Bennett, Joseph S., assignor.)
 American Engineering Company. (See Drogue, James A., assignor.)

- American Engineering Company. (See Harrison, Clifford E., assignor.)
 American Engineering Company. (See Karthäuser, Bruno, assignor.)
 American Engineering Company. (See Koons, Charles V., assignor.)
 American Engineering Company. (See Kuzelewski, Albert R., assignor.)
 American Engineering Company. (See Lamond, Robert C., assignor.)
 American Engineering Company. (See Preston, Herbert E., assignor.)
 American Engineering Company. (See Weingartner, Anthony E., assignor.)
 American Engineering Corporation. (See Nixon, J. D., assignor and Park.)
 American Enka Corporation. (See Bouhuys, Aleids G., assignor.)
 American Enka Corporation. (See Cox, Angus M., assignor.)
 American Enka Corporation. (See Engel, Antonie J., assignor.)
 American Enka Corporation. (See Hubbeling, Johan D. W., assignor.)
 American Enka Corporation. (See Koch, Theodoor, assignor.)
 American Enka Corporation. (See Lely, Anton, assignor.)
 American Enka Corporation. (See Lubberhuizen, Jan W., assignor.)
 American Enka Corporation. (See Lubberhuizen, J. W., and Schrenk, assignors.)
 American Enka Corporation. (See Moritz, Adrian J. L., assignor.)
 American Enka Corporation. (See Roelofs, G., and Borggreve, assignors.)
 American Enka Corporation. (See Schrenk, Hans A., assignor.)
 American Enka Corporation. (See Thurmond, Gilbert I., assignor.)
 American Enka Corporation. (See van der Waals, Hendrick G., assignor.)
 American Eyelet Co. (See Levine, Harry, assignor.)
 American Fabrics Company, The. (See Aemissegger, Jean, assignor.)
 American Fabrics Company, The. (See Flatz, Hugo, assignor.)
 American Fabrics Company, The. (See Juestrich, Max U., assignor.)
 American Fabrics Company, The. (See Page, Samuel H., assignor.)
 American Fabrics Company. (See Piepenbring, Gustave A., assignor.)
 American Fabrics Company. (See Piepenbring, G. A., and Beutel, assignors.)
 American Face Brick Research Corporation. (See Wyatt, E. M., and Slidell, assignors.)
 American Fibre Corporation. (See Nordstrom, Gustaf E., assignor.)
 American Flange & Manufacturing Company. (See Sample, Fleck W., assignor.)
 American Flange & Manufacturing Company. (See Shera, John W., assignor.)
 American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
 American Flyer Manufacturing Company. (See Arden, Thomas R., assignor.)
 American Flyer Manufacturing Company. (See Boisselier, Earl D., assignor.)
 American Flyer Manufacturing Company. (See Groff, Emory L., assignor.)
 American Forging and Socket Company. (See Saunders, Walter S., assignor.)
 American Forging and Socket Company, The. (See Saunders, W. S., and McGregor, assignors.)
 American Fork & Hoe Company, The. (See Bergmann, William H., assignor.)
 American Fork & Hoe Company, The. (See Bergmann, William H., assignor.)
 American Fork & Hoe Company, The. (See Cassidy, James L., assignor.)
 American Fork & Hoe Company, The. (See Cowdery, Robert H., assignor.)
 American Fork & Hoe Company, The. (See Dennis, Charles, assignor.)
 American Fork & Hoe Company, The. (See Durell, George B., assignor.)
 American Fork & Hoe Company, The. (See Hackett, Walter W., assignor.)
 American Fork & Hoe Company, The. (See Noyes, Charles V., assignor.)
 American Fork & Hoe Company, The. (See Wilcox, Hallie M., assignor.)
 American Fork & Hoe Company, The. (See Withington, Winthrop, assignor.)
 American Fork & Hoe Company, The. (See Wright, Carl, assignor.)
 American Foundry Equipment Company, The. (See Coble, D. C., and Steinmeier, assignors.)
 American Foundry Equipment Company, The. (See Peik, Louis D., assignor.)
 American Furnace Company. (See Franke, Clarence S., assignor.)
 American Gasaccumulator Company. (See Eskilson, Sven A., assignor.)
 American Gasaccumulator Company. (See Eskilson, S. A., and Scheer, assignors.)
 American Gasaccumulator Company. (See Luce, Richard W., assignor.)
 American Gasaccumulator Company. (See Oestnaes, V. L., and Luce, assignors.)
 American Gas Machine Company. (See Rasmussen, Sophus, assignor.)
 American Glanzstoff Corporation. (See Boos, Eduard, assignor.)
 American Glanzstoff Corporation. (See Carter, Ralph H., assignor.)
 American Glanzstoff Corporation. (See Etzkorn, Rudolf, assignor.)
 American Glanzstoff Corporation. (See Gollong, Richard J., assignor.)
 American Glanzstoff Corporation. (See Herrmann, Conrad, assignor.)
 American Glanzstoff Corporation. (See Rüesch, Adolf, assignor.)
 American Glanzstoff Corporation. (See Schultz, Peter A., assignor.)
 American Glanzstoff Corporation. (See Witte, Kurt, assignor.)
 American Gypsum Co., The. (See Finefrock, T. P., and O'Neil, assignors.)
 American Gyro Co. (See Shelton, Thomas M., assignor.)
 American Hardware Corporation, The. (See Gahagan, Andrew, assignor.)
 American Hair & Felt Company. (See Smallish, Clarence S., assignor.)
 American Hammered Piston Ring Company, The. (See Morton, Allen W., assignor.)
 American Hard Rubber Company. (See Brunjes, Henry, assignor.)
 American Hard Rubber Company. (See Carson, Oswald B., assignor.)
 American Hardware Corporation, The. (See Gold, Russell S., assignor.)
 American Hardware Corporation. (See Moore, Wallace F., assignor.)
 American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
 American Hardware Corporation, The. (See Stone, E. B., and Dyson, assignors.)
 American Hatters and Furriers Company. (See Mercier, Warren C., assignor.)
 American Heat Economy Bureau. (See Roth, J. L., and Paulsen, assignors.)
 American Hyalcol Corporation. (See Bertsch, Heinrich, assignor.)
 American Instrument Company. (See Greer, David M., assignor.)
 American Instrument Company. (See Reynolds, William H., assignor.)
 American Lace Mfg. Co., The. (See Hucknall, Hage W., assignor.)
 American Lace Paper Company. (See Keiding, Andrew, assignor.)
 American Lady Corset Company. (See Siegel, Joseph, assignor.)
 American-LaFrance and Foamite Corporation. (See Smith, C. F., and Lindsay, assignors.)
 American-LaFrance and Foamite Corporation. (See Steinicke, Frank H., assignor.)
 American-LaFrance and Foamite Corporation. (See Steinicke, F. H., and Keller, assignors.)
 American Laundry Machinery Company, The. (See Balzer, Fred, assignor.)
 American Laundry Machinery Company, The. (See Couch, F. J., and Gabbert, assignors.)
 American Laundry Machinery Company, The. (See Gerlach, Frank A., assignor.)
 American Laundry Machinery Company, The. (See Gerlach, F. A., and Bohlander, assignors.)
 American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
 American Laundry Machinery Company, The. (See Heldenfelder, Fred A., assignor.)
 American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
 American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
 American Laundry Machinery Company, The. (See Jucker, Richard J., assignor.)
 American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
 American Laundry Machinery Company. (See Kahn, Leo M., assignor.)
 American Laundry Machinery Company, The. (See Luecke, Otto C., assignor.)
 American Laundry Machinery Company, The. (See Matthews, Albert, assignor.)
 American Laundry Machinery Company, The. (See Patterson, John S., assignor.)
 American Laundry Machinery Company, The. (See Reese, L. V., and Johnson, assignors.)
 American Laundry Machinery Company, The. (See Sando, Joseph B., assignor.)
 American Laundry Machinery Company, The. (See Shepard, James F., assignor.)
 American Laundry Machinery Company. (See Waream, Charles E., assignor.)
 American Lead Pencil Company, The, et al. (See Grossman, Harold, assignor.)
 American Lecithin Corporation. (See Conway, J. W., and May, assignors.)

- American Lecithin Corporation. (See Working, Earl B., assignor.)
- American Legion of the United States of America, Sons of The. (See Marquette, Eugene O., assignor.)
- American Locomotive Company. (See Blunt, James G., assignor.)
- American Locomotive Company. (See Rohman, H. D., and Ashworth, assignors.)
- American Loth Corporation. (See Blancard, J. R. G. J., and Bourgonnier, assignors.)
- American Lurgi Corporation. (See Debuch, Carl P., assignor.)
- American Lurgi Corporation. (See Ebner, Karl, assignor.)
- American Lurgi Corporation. (See Gensecke, Wilhelm, assignor.)
- American Lurgi Corporation. (See Klencke, Hans, assignor.)
- American Lurgi Corporation. (See Kreissler, Otto, assignor.)
- American Lurgi Corporation. (See Mittmann, Paul, assignor.)
- American Lurgi Corporation. (See Pontzen, Herbert, assignor.)
- American Lurgi Corporation. (See Schiechel, Maximilian, assignor.)
- American Lurgi Corporation. (See Schober, Oskar, assignor.)
- American Lurgi Corporation. (See Sterner-Rainer, Roland, assignor.)
- American Lurgi Corporation. (See von Girsewald, C. Baron, and Schober, assignors.)
- American Lurgi Corporation. (See von Girsewald, C. Baron, Weidmann, and Roesner, assignors.)
- American Machine & Foundry Company. (See Arelt, Charles, assignor.)
- American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
- American Machine & Foundry Company. (See Chandler, Robert J. A., assignor.)
- American Machine & Foundry Company. (See Gwinn, George W., assignor.)
- American Machine & Foundry Company. (See Hawkins, Wilford J., assignor.)
- American Machine and Foundry Company. (See Jackson, Daniel D., assignor.)
- American Machine & Foundry Company. (See Leary, James W., assignor.)
- American Machine & Foundry Company. (See Lundin, Axel G., assignor.)
- American Machine & Foundry Company. (See Mertis, Elmer F., assignor.)
- American Machine & Foundry Company. (See Nejedly, Peter M., assignor.)
- American Machine & Foundry Company. (See Patterson, Morehead, assignor.)
- American Machine & Foundry Company. (See Podmore, Arthur, assignor.)
- American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
- American Machine & Foundry Company. (See Schmitt, Frank R., assignor.)
- American Machine & Foundry Company. (See Smith, Elberon D., assignor.)
- American Machine & Foundry Company. (See Treuting, Herbert R., assignor.)
- American Machine and Metals, Inc. (See de Bothezat, George, assignor.)
- American Machine & Metals, Inc. (See Gross, Carl G., assignor.)
- American Magnesium Metals Corporation. (See Hansgirk, Fritz, assignor.)
- American Magnesium Metals Corporation. (See Schichtel, Georg, assignor.)
- American Maize-Products Company. (See Walsh, J. F., and MacDonough, assignors.)
- American Manganese Steel Company. (See Carr, Bradley S., assignor.)
- American Manganese Steel Company. (See Clark, John O'F., assignor.)
- American Manganese Steel Company. (See Murtaugh, John F., assignor.)
- American Manganese Steel Company. (See Murtaugh, Joseph P., assignor.)
- American Manganese Steel Company. (See Ratkowski, Thomas A., assignor.)
- American Manganese Steel Company. (See Williams, Russell J., assignor.)
- American Manufacturing Company. (See Brown, Robert B., assignor.)
- American Metal Company, The. (See Kern, Edward F., assignor.)
- American Meter Company. (See Corrier, L. J., and Greiner, assignors.)
- American Meter Company. (See Diehl, John C., assignor.)
- American Meter Company. (See Huettig, Arno R., assignor.)
- American Meter Company. (See Kerstein, Ernest A., assignor.)
- American Mine Door Company, The. (See Gurney, Albert J., assignor.)
- American Morgan Company. (See Morgan, Edmund C., assignor.)
- American Moistening Company. (See Cable, Julius L., assignor.)
- American-National Company, The. (See Berry, Michael E., assignor.)
- American-National Company, The. (See Rideout, John G., assignor.)
- American National Company, The. (See Van Doren, H. L., and Rideout, assignors.)
- American-National Company, The. (See van Doren, H. L., and Rideout, assignors.)
- American Optical Company. (See Baker, Nelson M., assignor.)
- American Optical Company. (See Browning, Ralph R., assignor.)
- American Optical Company. (See Cozzens, Charles G., assignor.)
- American Optical Company. (See Eaton, William C., assignor.)
- American Optical Company. (See Favre, George C., assignor.)
- American Optical Company. (See Fleming, Robert J., assignor.)
- American Optical Company. (See Gagnon, Louis L., assignor.)
- American Optical Company. (See Glancy, Anna E., assignor.)
- American Optical Company. (See Hill, Harry W., assignor.)
- American Optical Company. (See Kapernick, Georg F., assignor.)
- American Optical Company. (See Kirk, Edward B., assignor.)
- American Optical Company. (See Moulton, Harold R., assignor.)
- American Optical Company. (See Poeton, Lawrence, assignor.)
- American Optical Company. (See Pratt, Arthur J., assignor.)
- American Optical Company. (See Simonds, Royal H., assignor.)
- American Optical Company. (See Splaine, Edward M., assignor.)
- American Optical Company. (See Tillyer, Edgar D., assignor.)
- American Optical Company. (See Tillyer, E. D., and Schumacher, assignors.)
- American Ore Reclamation Company. (See Shallock, Edward W., assignor.)
- American Oxythermic Corporation. (See Fränkl, Mathias, assignor.)
- American Ozone Company. (See Daily, James M., assignor.)
- American Pad and Textile Company, The. (See Brown, Frederick L., assignor.)
- American Paper Bottle Company, The. (See van Wormer, John R., assignor.)
- American Paper Goods Company, The. (See Cooley, Henry B., assignor.)
- American Paper Goods Company, The. (See Edgerly, Carroll O., assignor.)
- American Perforator Company. (See Rix, Edward G., assignor.)
- American Perfumers Laboratories, Inc. (See Mullen, Albert E., assignor.)
- American Photoelectric Corporation. (See Barnard, M. G., and Ellsworth, assignors.)
- American Plush & Velvet Pressboard Co. (See Bass, Rubin, assignor.)
- American Potash & Chemical Corporation. (See Black, Leroy G., assignor.)
- American Propeller Company, The. (See Heath, Spencer, assignor.)
- American Pulley Company, The. (See Bowen, Russell H., assignor.)
- American Pulverizer Company. (See Elzemeyer, E. E., and Griesedieck, assignors.)
- American Pulverizing Corporation. (See Andrews, N. H., and Willoughby, assignors.)
- American Radiator Company. (See Dillman, Earnest J., assignor.)
- American Radiator Company. (See Ludwig, Edgar V., assignor.)
- American Radiator Company. (See Maier, George M., assignor.)
- American Radiator Company. (See Seeley, Frank E., assignor.)
- American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
- American Radiator and Standard Sanitary Corporation. (See Rypinski, Albert B., assignor.)
- American Reenforced Paper Company. (See Gibbs, George E., assignor.)
- American Reenforced Paper Company. (See Stevenson, William N., assignor.)
- American Reproducers Company. (See Early, J. W., and Harrington, assignors.)
- American Research Products, Inc. (See Pacini, August J., assignor.)
- American Rolling Mill Company, The. (See Bradley, H. W., and Long, assignors.)
- American Rolling Mill Company, The. (See Dimmick, Ralph B., assignor.)
- American Rolling Mill Company, The. (See Freeze, J. R., and Shartle, assignors.)
- American Rolling Mill Company, The. (See Freeze, Jonathan R., assignor.)
- American Rolling Mill Company, The. (See Griffiths, Ralph O., assignor.)
- American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)

- American Rolling Mill Company, The. (See Kramer, Leonard H., assignor.)
 American Rolling Mill Company, The. (See Kronberg, K., and Finkbone, assignors.)
 American Rolling Mill Company. (See Michel, René, assignor.)
 American Rolling Mill Company, The. (See Millan, E. N., and Hudson, assignors.)
 American Rolling Mill Company, The. (See Reeve, George A., assignor.)
 American Rolling Mill Company, The. (See Reinartz, L. F., and Fon Dersmith, assignors.)
 American Rolling Mill Company, The. (See Stevens, R. B., and Martens, assignors.)
 American Rolling Mill Company, The. (See Warren, Jay B., assignor.)
 American Rubber Company. (See Clark, Edward H., assignor.)
 American Rubber Company. (See Dennison, Charles H., assignor.)
 American Rubber Products Corporation. (See O'Hare, John J., assignor.)
 American Rubber Company. (See Patten, Ernest L., assignor.)
 American Safety Device Co. (See Geer, Hobart S., assignor.)
 American Safety Razor Corporation. (See Behrman, Marcus B., assignor.)
 American Safety Razor Corporation. (See Saladow, Murray, assignor.)
 American Sales Book Company. (See Bottle, Edward K., assignor.)
 American Sales Book Company. (See Bright, Jesse D., assignor.)
 American Sales Book Company. (See Ferguson, Fred D., assignor.)
 American Sales Book Company. (See Hagemann, Louis F., assignor.)
 American Sales Book Company. (See Lankton, Louis S., assignor.)
 American Sales Book Company. (See Manuel, Charles J., assignor.)
 American Sales Book Company. (See Phillips, A. H., and Allan, Jr., assignors.)
 American Sales Book Company. (See Wiswall, William J., assignor.)
 American Sales Book Company. (See Wood, Reginald H., assignor.)
 American Sales Book Company, Limited. (See Caton, William D., assignor.)
 American Sales Book Company, Limited. (See Hagemann, Louis F., assignor.)
 American Sales Book Company Limited. (See Lempke, Paul E., assignor.)
 American Scientific Instrument Company, The. (See Hindle, Frederic O., assignor.)
 American Sealcone Corporation. (See Jones, Ellis L., assignor.)
 American Seal-Kap Corporation. (See Martin, Harold W., assignor.)
 American Seating Company. (See Friend, William K., assignor.)
 American Seating Company. (See Hamilton, George H., assignor.)
 American Seating Company. (See Hanson, Walter M., assignor.)
 American Seating Company. (See Merrill, Ralph K., assignor.)
 American Seating Company. (See Morgan, Erving B., assignor.)
 American Securit Company, The. (See Long, Bernard, assignor.)
 American Securit Company, The. (See Ziegler, Charles, assignor.)
 American Self-Adjusting Selection Corp., The, et al. (See Kardorff, Léon, assignor.)
 American Self-Selected Corp., The. (See Kardorff, Léon, assignor.)
 American Sheet and Tin Plate Company. (See Cook, W. O., Miller, and Wetzel, assignors.)
 American Sheet and Tin Plate Company. (See Dahl, L. S., and Peet, assignors.)
 American Sheet and Tin Plate Company. (See Irvin, W. A., and Bollinger, assignors.)
 American Sheet and Tin Plate Company. (See Jenks, Stephen M., assignor.)
 American Sheet and Tin Plate Company. (See Kimball, George C., assignor.)
 American Sheet and Tin Plate Company. (See Lorig, Edwin T., assignor.)
 American Sheet and Tin Plate Company. (See Nichols, John T., assignor.)
 American Sheet and Tin Plate Company. (See Peet, John L., assignor.)
 American Sheet and Tin Plate Company. (See Schutte, Harry S., assignor.)
 American Shoe Machinery and Tool Company. (See Krag, Harry W., assignor.)
 American Show Case & Manufacturing Company. (See Copeland, Ira, assignor.)
 American Slicing Machine Company. (See Campbell, William J., assignor.)
 American Smelting and Refining Company. (See Betterton, Jesse O., assignor.)
 American Smelting & Refining Company. (See Betterton, J. O., Crites, and Wagner, assignors.)
 American Smelting & Refining Company. (See Betterton, J. O., and Hanson, assignors.)
 American Smelting and Refining Company. (See Betterton, J. O., and Lebedeff, assignors.)
 American Smelting & Refining Company. (See Call, Benjamin G., assignor.)
 American Smelting & Refining Company. (See Fleming, E. P., and Labbe, assignors.)
 American Smelting & Refining Company. (See Lindner, Karl A., assignor.)
 American Smelting and Refining Company. (See Peirce, William H., assignor.)
 American Smelting and Refining Company. (See Perkins, Melville F., assignor.)
 American Smelting and Refining Company. (See Pitzer, Edgar C., assignor.)
 American Smelting and Refining Company. (See Rathbun, Ross B., assignor.)
 American Smelting and Refining Company. (See Rutherford, Ronald C., assignor.)
 American Smelting & Refining Company. (See Sayre, Ralph E., assignor.)
 American Smelting and Refining Company. (See Slagle, Edgar A., assignor.)
 American Soya Products Corporation. (See Bonotto, Michele, assignor.)
 American Spirits, Inc. (See Key, Abraham L., assignor.)
 American Standard Fuse Corporation. (See Cote, Paul, assignor.)
 American Steel and Wire Company. (See Czernba, Frank, assignor.)
 American Steel and Wire Company. (See Febrey, Harold H., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Brown, W. G., and Gleason, assignors.)
 American Steel and Wire Company of New Jersey, The. (See Dandliker, Rudolph, assignor.)
 American Steel and Wire Company of New Jersey, The. (See Elder, Flint C., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Felley, E. J., and Lynch, assignors.)
 American Steel and Wire Company of New Jersey. (See Gleason, George A., assignor.)
 American Steel and Wire Company of New Jersey. (See Hauck, Otto, assignor.)
 American Steel and Wire Company of New Jersey, The. (See Hjort, John F., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Hood, Clifford F., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Johnson, P. R., Statz, and Wallsten, assignors.)
 American Steel and Wire Company of New Jersey, The. (See Kilmer, William A., assignor.)
 American Steel and Wire Company of New Jersey, The. (See McNamee, O. A., and Vail, assignors.)
 American Steel and Wire Company of New Jersey. (See Moreira, Salvador.)
 American Steel and Wire Company of New Jersey, The. (See Mulroyan, Thomas E., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Neely, Roy M., assignor.)
 American Steel and Wire Company of New Jersey. (See Quarnstrom, Theodore V., assignor.)
 American Steel and Wire Company of New Jersey. (See Statz, John.)
 American Steel and Wire Company of New Jersey, The. (See Thomas, Edward, assignor.)
 American Steel and Wire Company of New Jersey, The. (See Wallsten, Walfred A., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Williams, T. D., and Ralston, assignors.)
 American Steel and Wire Company of New Jersey, The. (See Worthington, Herman S., assignor.)
 American Steel Band Company. (See Bowman, Joseph H., assignor.)
 American Steel Foundries. (See Aurien, Ray G., assignor.)
 American Steel Foundries. (See Baker, C. C., and Baselt, assignors.)
 American Steel Foundries. (See Baselt, Walter H., assignor.)
 American Steel Foundries. (See Blakeslee, Jerome K., assignor.)
 American Steel Foundries. (See Cottrell, Robert B., assignor.)
 American Steel Foundries. (See Hedgcock, William C., assignor.)
 American Steel Foundries. (See Hedgcock, W. C., and Begley, assignors.)
 American Steel Foundries. (See Hedgcock, W. C., and Busse, assignors.)
 American Steel Foundries. (See Hedgcock, W. C., and Cottrell, assignors.)
 American Steel Foundries. (See Kayler, Frank H., assignor.)
 American Steel Foundries. (See Kinne, Edmund P., assignor.)
 American Steel Foundries. (See Kinne, E. P., and Kalyer, assignors.)
 American Steel Foundries. (See Oelkers, Alfred H., assignor.)
 American Steel Foundries. (See Simanek, Edward J., assignor.)
 American Steel Foundries. (See Trowbridge, William S., assignor.)

- American Steel Foundries. (See Walcher, Alfred, assignor.)
 American Sterilizer Company. (See Clachko, Josiah S., assignor.)
 American Sterilizer Company. (See Dyckes, George J., assignor.)
 American Sterilizer Company. (See Jewell, Raymond L., assignor.)
 American Stove Company. (See Brodbeck, Almer H., assignor.)
 American Stove Company. (See Brumbaugh, I. V., Burnside, and Kaufman, assignors.)
 American Stove Company. (See Hoffman, Rudolph, assignor.)
 American Stove Company. (See Moecker, Arnold H., assignor.)
 American Stove Company. (See Stockstrom, A., and Brodbeck, assignors.)
 American Suspender Company, The. (See Finkbeiner, Robert, assignor.)
 American Swiss Company, The. (See Grund, Fletcher D., assignor.)
 American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
 American Tap-Bush Company. (See Rice, Frank E., assignor.)
 American Tar Products Co., Inc. (See Fitzpatrick, James C., assignor.)
 American Tar Products Company, Inc. (See Hyde, Elmer H., assignor.)
 American Tar Products Company, Inc. (See Hyde, E. H., and Hager, assignors.)
 American Tar Products Company, Inc., The. (See Rhodes, Edmund O., assignor.)
 American Tar Products Co., Inc. (See Rhodes, E. O., Volkman, and Fitzpatrick, assignors.)
 American Tar Products Co., Inc. (See Roche, James N., assignor.)
 American Telephone and Telegraph Company. (See Abraham, Leonard G., assignor.)
 American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
 American Telephone and Telegraph Company. (See Affel, H. A., and Green, assignors.)
 American Telephone and Telegraph Company. (See Bailey, Austin, assignor.)
 American Telephone and Telegraph Company. (See Bailey, Rand S., assignor.)
 American Telephone and Telegraph Company. (See Bjornson, B. G., and Mitchell, assignors.)
 American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)
 American Telephone and Telegraph Company. (See Carpe, Allen, assignor.)
 American Telephone and Telegraph Company. (See Carlson, Herbert N. R., assignor.)
 American Telephone and Telegraph Company. (See Carlson, Arthur, assignor.)
 American Telephone and Telegraph Company. (See Clark, Alva B., assignor.)
 American Telephone and Telegraph Company. (See Cowan, Frank A., assignor.)
 American Telephone and Telegraph Company. (See Cowan, H. B., and Zerman, assignors.)
 American Telephone and Telegraph Company. (See Crison, George, assignor.)
 American Telephone and Telegraph Company. (See Demarest, Charles S., assignor.)
 American Telephone and Telegraph Company. (See Dietze, E., and Goodale, assignors.)
 American Telephone and Telegraph Company. (See Edwards, William H., assignor.)
 American Telephone and Telegraph Company. (See Fay, F. H., and Bacon, assignors.)
 American Telephone and Telegraph Company. (See French, Norman R., assignor.)
 American Telephone and Telegraph Company. (See Ganett, Danforth K., assignor.)
 American Telephone and Telegraph Company. (See Gardner, Leland A., assignor.)
 American Telephone and Telegraph Company. (See Getz, E. L., Pentland, and Dorff, assignors.)
 American Telephone and Telegraph Company. (See Glezen, L. L., and Shackleton, assignors.)
 American Telephone and Telegraph Company. (See Gordon, G. B., and Dahl, assignors.)
 American Telephone and Telegraph Company. (See Gordon, W. A., and O'Neill, assignors.)
 American Telephone and Telegraph Company. (See Green, Irving W., assignor.)
 American Telephone and Telegraph Company. (See Gurvey, Roger K., assignor.)
 American Telephone and Telegraph Company. (See Gutman, Louis, assignor.)
 American Telephone and Telegraph Company. (See Hansen, Arnold A., assignor.)
 American Telephone and Telegraph Company. (See Harris, Walter L., assignor.)
 American Telephone and Telegraph Company. (See Heitsmith, William J., assignor.)
 American Telephone and Telegraph Company. (See Henneberger, Thomas C., assignor.)
 American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
 American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
 American Telephone and Telegraph Company. (See Hollmann, Hans E., assignor.)
 American Telephone and Telegraph Company. (See Kinkead, F. S., and Knandel, assignor.)
 American Telephone and Telegraph Company. (See McCann, Thomas A., assignor.)
 American Telephone and Telegraph Company. (See Mitchell, Doren, assignor.)
 American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
 American Telephone and Telegraph Company. (See Parker, R. D., and Swezey, assignors.)
 American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)
 American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
 American Telephone and Telegraph Company. (See Radcliff, John P., assignor.)
 American Telephone and Telegraph Company. (See Ratta, James A., Jr., assignor.)
 American Telephone and Telegraph Company. (See Raynsford, A., and Haines, assignors.)
 American Telephone and Telegraph Company. (See Rea, Wilton T., assignor.)
 American Telephone and Telegraph Company. (See Reeve, Elmer W., assignor.)
 American Telephone and Telegraph Company. (See Reynolds, Frederick W., assignor.)
 American Telephone and Telegraph Company. (See Rhodes, Harold A., assignor.)
 American Telephone and Telegraph Company. (See Rhodes, H. A., and Cowan, assignors.)
 American Telephone and Telegraph Company. (See Schramm, Fred W., assignor.)
 American Telephone and Telegraph Company. (See Schreiber, Ernst H., assignor.)
 American Telephone and Telegraph Company. (See Shackleton, S. P., and Edwards, assignors.)
 American Telephone and Telegraph Company. (See Shanck, Roy B., assignor.)
 American Telephone and Telegraph Company. (See Singer, Fred J., assignor.)
 American Telephone and Telegraph Company. (See Smith, Temple C., assignor.)
 American Telephone and Telegraph Company. (See Smith, T. C., Freeman, and Livermore, assignors.)
 American Telephone and Telegraph Company. (See Stone, John S., assignor.)
 American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
 American Telephone and Telegraph Company. (See Taylor, Charles C., assignor.)
 American Telephone and Telegraph Company. (See Thomas, Adolph A., assignor.)
 American Telephone and Telegraph Company. (See Turner, Howard C., assignor.)
 American Telephone and Telegraph Company. (See Vernam, G. S., assignor, and Locke.)
 American Telephone and Telegraph Company. (See Voorhees, Stephen F., assignor.)
 American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
 American Telephone and Telegraph Company. (See Watson, E. F., and McCann, assignors.)
 American Telephone and Telegraph Company. (See Weaver, Allan, assignor.)
 American Telephone and Telegraph Company. (See Wright, S. B., and Mitchell, assignors.)
 American Telephone and Telegraph Company. (See Wright, S. B., Mitchell, and Abraham, assignors.)
 American Telephone and Telegraph Company. (See Wright, S. B., and Taylor, assignors.)
 American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
 American Thermos Bottle Company, The. (See Ball, George E., assignor.)
 American Thermos Bottle Company, The. (See Schlumbohm, Peter, assignor.)
 American Thermos Bottle Company, The. (See Thomas, Adolph A., assignor.)
 American Thread Company, The. (See Anderson, George K., assignor.)
 American Thread Company, The. (See Baker, Dickerson G., assignor.)
 American Thread Company, The. (See Moore, Louis L., assignor.)
 American Thread Company, The. (See Stewart, Edwin J., assignor.)
 American Throttle Company. (See Kimberley, Rupert E., assignor.)
 American Throttle Company. (See Robinson, Eric A., assignor.)
 American Tissue Mills. (See Graham, Floyd R., assignor.)
 American Tissue Mills. (See Sinclair, Homer M., assignor.)
 American Tobacco Company, The. (See Gibson, C. H., and Downs, assignors.)
 American Tool and Machine Company. (See Tholl, John F., assignor.)
 American Tool Works Company, The. (See Hoelscher, William G., assignor.)
 American Tool Works Company, The. (See Robinson, Albert E., assignor.)

- American Transformer Company. (See Thompson, Richard C., assignor.)
- American Trust Company. (See Roberts, George H., assignor.)
- American Tube and Cap Corporation. (See Bogeaus, Ben E., assignor.)
- American Tube and Cap Corporation. (See Hartog, Paul D., assignor.)
- American Vault Company. (See Van Ness, Frank H., assignor.)
- American Voith Contact Company. (See Grewin, Fredrik, assignor.)
- American Voith Contact Company. (See Klotz, Josef, assignor.)
- American Voith Contact Company. (See Lell, Jacob, assignor.)
- American Welded Tube Company. (See Mayweg, Hugo, assignor.)
- American Welding & Manufacturing Co., The. (See Meyer, Frank H., assignor.)
- American Window Glass Company. (See Clark, H. F., and Pierce, assignors.)
- American Window Glass Company. (See McConnell, Edward W., jr., assignor.)
- American Window Glass Company. (See Stein, Edward J., assignor.)
- American Wire Fence Company. (See Dieball, Edward F., assignor.)
- American Wire Fence Company. (See Dunscombe, Carroll, assignor.)
- American Woodlite Corporation. (See Pagendarm, John R., assignor.)
- American Wood Products Corporation. (See Kubes, John P., assignor.)
- American Writing Paper Company. (See Yoerg, Leon M., assignor.)
- American Zinc, Lead and Smelting Company. (See Depew, Harlan, assignor.)
- American Zinc, Lead & Smelting Company. (See MacIntire, Walter H., assignor.)
- Ames, Adelbert, jr., assignor to Trustees of Dartmouth College, Hanover, N. H. Clinical optical mensuration instrument. 1,946,925; Feb. 13.
- Ames, Adelbert, jr., assignor to Trustees of Dartmouth College, Hanover, N. H. Eye testing instrument and method. 1,954,399; Apr. 10.
- Ames, Adelbert, jr., and G. H. Gliddon, assignors to Trustees of Dartmouth College, Hanover, N. H. Clinical optical mensuration method and instrument. 1,944,871; Jan. 30.
- Ames Baldwin Wyoming Co. (See Harte, Richard, assignor.)
- Ames Baldwin Wyoming Co. (See Ready, William A., assignor.)
- Ames, George E., assignor of one-fourth to W. E. Joost, one-fourth to L. A. Rice, and one-fourth to W. J. Vaughan. Oakland, Calif. Thermostatically-controlled fluid mixing unit. 1,980,310; Nov. 13.
- Ames Harris Neville Co. (See Bush, Ernest, assignor.)
- Ames, Raymond A. (See Babin, W. C., and Ames.)
- Ames Safety Envelope Company. (See Fitzgerald, John W., assignor.)
- Ames, W. R., Company. (See Kaup, Edgar O., assignor.)
- Ames, Warren, Waltham, Mass. Gauge. 1,945,796; Feb. 6.
- Ames, Warren, Waltham, Mass. Gauge. 1,966,424; July 17.
- Ames, Warren, Newton, Mass. Gauge. 1,968,866; Aug. 7.
- Amico, Joseph, Detroit, Mich. Shoe press. 1,968,009; July 31.
- Amillac, Albert, Belfort, France, assignor to General Electric Company. Electrode for stabilizing the cathode spot of mercury arc devices. 1,971,805; Aug. 28.
- Amis, Lewis A., Dallas, Tex. Cushioned key for writing machines. 1,970,793; Aug. 21.
- Amity Leather Products Co. (See Leue, Bruno A., assignor.)
- Amity Leather Products Co. (See Wege, John P., assignor.)
- Ammann, Ernst, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Manufacturing tools. 1,955,044; Apr. 17.
- Ammen, Francis D., Los Angeles, Calif. Easy parking automobile. 1,974,036; Sept. 18.
- Ammon, William H., Los Angeles, Calif. Nut cracker. 91,384; Jan. 23.
- Amoo, Lloyd R., Morristown, S. Dak. Air heating attachment for vacuum cleaners. 1,985,136; Dec. 18.
- Amor, George W., Pollard's Hill South, Norbury, England. Connection or coupling for tubular bodies. 1,960,405; May 29.
- Amos, Clifford J., assignor of one-half to J. J. Crowley, St. Paul, Minn. Indicator map. 1,941,777; Jan. 2.
- Amos, John F., Mishawaka, Ind. Method and apparatus for molding hollow articles. 1,946,471; Feb. 13.
- Amoskeag Manufacturing Company. (See Baker, Archie G.)
- Amsden, Howard, Meadville, Pa. Game apparatus. 1,967,217; July 24.
- Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Rectifier for motion-picture projectors. 1,947,240; Feb. 13.
- Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Multipole switch. 1,983,331; Dec. 4.
- Amsler, Walter O., Toledo, Ohio, assignor to Simplex Engineering Company, Washington, Pa. Method of and apparatus for making glass. 1,941,778; Jan. 2.
- Amsler, Walter O., Toledo, Ohio, assignor to Simplex Engineering Company, Washington, Pa. Glass tank. 1,941,779; Jan. 2.
- Amy, Aceves & King, Inc. (See Amy, Ernest V., assignor.)
- Amy, Aceves & King, Inc. (See Amy, E. V., and Aceves, assignors.)
- Amy, Ernest V., assignor to Amy, Aceves & King, Inc., New York, N. Y. Dispersing particles suspended in air. 1,980,171; Nov. 13.
- Amy, Ernest V., and J. G. Aceves, assignors to Amy, Aceves & King, Inc., New York, N. Y. Duplex radio aerial system. 1,965,539; July 3.
- Amy, Ernest V., and J. G. Aceves, assignors to Amy, Aceves & King, Incorporated, New York, N. Y. Multiplex receiver system. 1,976,909; Oct. 16.
- Amy, Ernest V., and J. G. Aceves, assignors to Amy, Aceves & King, Incorporated, New York, N. Y. Multiple radio receiving system. 1,976,910; Oct. 16.
- Anaconda Copper Mining Company. (See Levy, S., Yates, and Shakespeare, assignors.)
- Anaconda Copper Mining Company. (See Yates, Charles E., assignor.)
- Anaconda Wire and Cable Company. (See Freeland, Orville F., assignor.)
- Anaconda Wire & Cable Company. (See French, Stanley F., assignor.)
- Anaconda Wire & Cable Company. (See Junghanns, Ernest L., assignor.)
- Anaconda Wire & Cable Company. (See Kennedy, Joseph A., assignor.)
- Anaconda Wire & Cable Company. (See Little, Thomas J., assignor.)
- Anaconda Wire & Cable Company. (See Maring, Albert, assignor.)
- Anaconda Wire & Cable Company. (See McCloy, A. S., and French, assignors.)
- Anaconda Wire & Cable Company. (See Salisbury, Edward F. W., assignor.)
- Anaconda Wire and Cable Company. (See Slotsky, Samuel J., assignor.)
- Anaconda Wire & Cable Company. (See Smedley, A. B., and Salisbury, assignors.)
- Anaconda Wire & Cable Company. (See Wodtke, Hans V., assignor.)
- Anagnos, Tom, Dallas, Tex. Ice cream confection bar. 1,968,732; July 31.
- Ananiew, Nikolai S., Leningrad, Union of Soviet Socialist Republics. Electroacoustic musical instrument. 1,975,220; Oct. 2.
- Anastasiadis, Louis C., assignor to Una Welding, Incorporated, Cleveland, Ohio. Welding electrode and flux therefor. 1,946,958; Feb. 13.
- Anchor Cap & Closure Corporation. (See Darling, Frank L., assignor.)
- Anchor Cap & Closure Corporation. (See Fleisch, Joseph R., assignor.)
- Anchor Cap & Closure Corporation. (See Gibbs, John C., assignor.)
- Anchor Cap & Closure Corporation. (See Mullen, George W., assignor.)
- Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
- Anchor Cap & Closure Corporation. (See Scofield, Edgar, assignor.)
- Anchor Cap & Closure Corporation. (See Von Till, Louis A., assignor.)
- Anchor Duck Mills. (See Towers, Donigan D., assignor.)
- Anchor Stove and Range Company. (See Clark, Verdrie F., assignor.)
- Anciens Etablissements A. Savy Jeanjean & Cie., et al. (See Savy, Robert, assignor.)
- Ancira Glueless Box Co. (See Ancira, Gonzalo, assignor.)
- Ancira, Gonzalo, Englewood, N. J., assignor to Ancira Glueless Box Co., San Antonio, Tex. Automatic machine for setting-up and sealing glueless containers (folding boxes). 1,970,794; Aug. 21.
- Andale Company. (See Jenkins, J. M., Thompson, and McNeal, assignors.)
- Andale Company. (See McNeal, Daniel R., assignor.)
- Andaloro, Salvatore C., Pittston, Pa. Tissue protective dental clamp. 1,970,875; Aug. 21.
- Andersholm, Nels P., Mora, Minn. Combination tool. 1,965,917; July 10.
- Anderslick, John J., assignor of one-half to B. Lerman and one-half to J. G. Ward, Chicago, Ill. Scenic display device. 1,971,150; Aug. 21.
- Anders, Guido, assignor to Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Broadcast receiver apparatus. 1,971,894; Aug. 28.
- Andersen, A. P. (See Todd, Horris W., assignor.)
- Andersen, Andrew C. (See Simpson, E. G., Andersen, and Skinner.)
- Andersen, Bjorn, Maplewood, N. J., assignor to Celluloid Corporation. Cellulose derivative articles and preparing the same. 1,982,778; Dec. 4.
- Andersen, Christian S., assignor to The Pennsylvania Furnace & Iron Company, Warren, Ohio. Draft diverter. 1,983,515; Dec. 11.
- Andersen, George F. (See Jones, C. W., Murray, and Andersen.)
- Andersen, Hans C., Mahtowa, Minn. Self-sealing paste tube. 1,980,607; Nov. 13.
- Andersen, Lauritz W., Waterbury, Conn. Music stand lamp. 1,949,289; Feb. 27.
- Andersen, Martin, Brighton, N. Y. Carboy. 1,951,005; Mar. 13.

- Andersen, Niels K., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupting device. 1,948,741; Feb. 27.
- Andersen, Theodore W., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Folding table. 1,962,126; June 12.
- Andersen, Waldemar F., Alameda, assignor to D. F. Searle, Oakland, Calif. Air control mechanism. 1,944,485; Jan. 23.
- Anderson, Adelbert C., and W. R. Strandberg, assignors to Straight Stop Corporation, St. Paul, Minn. Brake testing apparatus. 1,982,041; Nov. 27.
- Anderson, Albert C., Chicago, Ill. Humidifying apparatus. 1,958,224; May 8.
- Anderson, Albert & J. M., Manufacturing Company. (See Reynolds, Charles H., assignor.)
- Anderson, Albert & J. M., Manufacturing Company. (See Reynolds, C. H., and Tryder, assignors.)
- Anderson, Alexander. (See Leach, Claude E., assignor.)
- Anderson, Alf E., Milton, Mass. Electrical connection. 1,949,596; Mar. 6.
- Anderson, Alf E., Milton, Mass. Grounding terminal. 1,978,122; Oct. 23.
- Anderson, Alfred, Chicago, Ill. Carrier handle. 1,944,868; Jan. 30.
- Anderson, Alfred H., assignor to The General Fireproofing Company, Youngstown, Ohio. Drawer suspension. 1,963,220; June 19.
- Anderson, Arthur, Pleasantville, N. Y. Noiseless turnstile check. 1,958,458; May 15.
- Anderson, Arvid E., Drexel Hill, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker system. 1,974,978; Sept. 25.
- Anderson, Arvide E., Drexel Hill, and V. L. Cox, Lansdowne, Pa., and F. S. Wright, Kingsport, Tenn., assignors to General Electric Company. Automatic reclosing circuit breaker system. 1,968,629; July 31.
- Anderson, August E., Montclair, N. J. Spark plug. 1,945,408; Jan. 30.
- Anderson, August E., Montclair, N. J. Spark plug with detachable electrode. 1,945,409; Jan. 30.
- Anderson, August E., Montclair, N. J. Card table. 1,970,876; Aug. 21.
- Anderson, August E., Montclair, N. J. Playing table. 1,970,877; Aug. 21.
- Anderson, August P. (See Melown, George E., assignor.)
- Anderson Banking Company, executor. (See Norviel, Harry E.)
- Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
- Anderson, Bert J., Hammond, Ind. Velocipede. Des. 91,749; Mar. 20.
- Anderson, Bert J., Hammond, Ind. Velocipede. Des. 92,446; June 12.
- Anderson, Bert J., Hammond, Ind. Velocipede. Des. 92,790; July 17.
- Andersen, Bjorn, Newark, N. J., assignor to Celluloid Corporation. Process and apparatus for electroplating. 1,974,441; Sept. 25.
- Anderson Box Company. (See Bomberger, George E., assignor.)
- Anderson Box Company. (See Bomberger, G. E., assignor, and Gorsuch.)
- Anderson, C. J., & Company. (See Anderson, Carl J., assignor.)
- Anderson, C. J., & Company. (See Podosin, John, assignor.)
- Anderson, Carl E. (See Palmer, C. R., and Anderson.)
- Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Rake. 1,956,263; Apr. 24.
- Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Buckle. 1,984,856; Dec. 18.
- Anderson, Carl F. (See Ryan, J. F., Carr, and Anderson.)
- Anderson, Carl F., deceased, and I. G. Anderson, Chicago, Ill.; I. G. Anderson, administrator. Machine for making filing-folders. 1,971,892; Aug. 28.
- Anderson, Carl J., assignor to C. J. Anderson & Company, Chicago, Ill. Circuit maker and breaker. 1,973,324; Sept. 11.
- Anderson, Carl M., assignor to Oil Well Supply Company, Oil City, Pa. Pumping power. 1,959,806; May 22.
- Anderson, Carl R., assignor to The Griswold Manufacturing Company, Erie, Pa. Electric heater. 1,980,654; Nov. 13.
- Anderson, Carl W. (See Umont, William, assignor.)
- Anderson, Cedric S., assignor to The American Brass Company, Waterbury, Conn. Connecting cables and the like and article produced thereby. 1,959,402; May 22.
- Anderson, Cedric S., assignor to The American Brass Company, Waterbury, Conn. Connecting cables and the like and article produced thereby. 1,979,304; Nov. 6.
- Anderson, Charles A., New Rochelle, assignor to Gotham Pressed Steel Corporation, New York, N. Y. Game board. Des. 92,057; Apr. 24.
- Anderson, Charles A., New Rochelle, assignor to Gotham Pressed Steel Corporation, New York, N. Y. Game board. Des. 92,058; Apr. 24.
- Anderson, Charles A., New Rochelle, assignor to Gotham Pressed Steel Corporation, New York, N. Y. Roulette board. Des. 92,059; Apr. 24.
- Anderson, Charles H., Downey, Calif. Scaffold joint. 1,981,938; Nov. 27.
- Anderson, Clare, Belleville, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Interlocking control for cardiographs. 1,976,594; Oct. 9.
- Anderson, Clarence A., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Hand telephone. 1,968,066; July 31.
- Anderson Company, The. (See Smulski, Theodore J.)
- Anderson, Cyrus W., Denver, Colo. Medical arts sterility slide rule. 1,983,062; Dec. 4.
- Anderson, David E., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Internal combustion engine. 1,972,814; Sept. 4.
- Anderson, David L. (See Wight, E. H., Anderson, and Watmough.)
- Anderson, David L., assignor to Intertype Corporation, Brooklyn, N. Y. Mold liner adapter for line casting machines. 1,974,397; Sept. 18.
- Anderson, David O. (See Shields, L., and Anderson.)
- Anderson, David S., assignor to Scotia Distillers Limited, Glasgow, Scotland. Glass bottle. Des. 91,750; Mar. 20.
- Anderson, Douglas G., Elmira, N. Y. Collet steel. 1,952,575; Mar. 27.
- Anderson, Earl R., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Preparing spinach for canning. 1,982,944; Dec. 4.
- Anderson, Edmund B., assignor to Mechanics Universal Joint Company, Rockford, Ill. Universal joint. 1,950,207; Mar. 6.
- Anderson, Edward, assignor, by mesne assignments, to Simonds Worden White Company. Apparatus for molding grinding wheels. 1,960,429; May 29.
- Anderson, Edward H., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Pipe flange. 1,961,189; June 5.
- Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Unit heater and ventilator. 1,950,768; Mar. 13.
- Anderson, Edwin, assignor to F. Hann, Los Angeles, Calif. Hand printer. 1,979,927; Nov. 6.
- Anderson, Elvind, Tacoma, Wash. Concrete-wall-form tie. 1,973,941; Sept. 18.
- Anderson, Emil, Briarcliffe, and C. M. Nicholson, Ossining, N. Y. Rule. 1,983,651; Dec. 11.
- Anderson, Emil, Briarcliffe Manor, N. Y. Multispeed clutch and transmission mechanism. 1,951,388; Mar. 20.
- Anderson, Emil E. W., and G. K. V. Johanson, assignors to Aga-Baltic-Radio A. B., Stockholm, Sweden. Method and apparatus for advancing film past a place of recording or reproduction. 1,980,978; Nov. 20.
- Anderson, Enar S., Attleboro Falls, assignor to Evans Case Company, North Attleboro, Mass. Combined cigarette case and lighter. 1,968,332; July 31.
- Anderson, Ernest E., Chicago, Ill. Two insulator high tension switch. 1,943,576; Jan. 16.
- Anderson, Ernest E., Chicago, Ill. Three-insulator high tension switch. 1,957,814; May 8.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Holder and inclosure for lamps. 1,943,852; Jan. 16.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Switch box with plug-in cable connection. 1,947,634; Feb. 20.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Threadless pipe coupling. 1,959,607; May 22.
- Anderson, Frank H., and R. W. Miller, Oakland, Calif. Percolator. 1,963,950; June 26.
- Anderson, Frederick W. (See Pond, Kenneth H., assignor.)
- Anderson, G. Albert, Attleboro, Mass., assignor to L. R. Smith, receiver of The Apco Mossberg Corporation. Cop or quill. 1,980,311; Nov. 13.
- Anderson, George A., Worcester, assignor to United States Envelope Company, Springfield, Mass. Producing metallic fastener blanks. 1,942,043; Jan. 2.
- Anderson, George A., Worcester, assignor to United States Envelope Company, Springfield, Mass. Mechanism for forming and feeding metallic envelope fasteners. 1,949,704; Mar. 6.
- Anderson, George K., Fall River, Mass., assignor to The American Thread Company, Jersey City, N. J. Thread package. 1,947,284; Feb. 13.
- Anderson, George K., Pittsburgh, Pa., assignor to The Neville Company. Treating and decanting kettle. 1,972,255; Sept. 4.
- Anderson, George R., assignor of one-half to E. L. Finley, Santa Rosa, Calif. Screw and rivet-lock cinch binder. 1,973,789; Sept. 18.
- Anderson, George W., Akron, Ohio, assignor to The General Tire & Rubber Company. Vehicle tire. Des. 92,281; May 22.
- Anderson, George W., Akron, Ohio, assignor to The General Tire & Rubber Company. Vehicle tire. Des. 92,569; June 26.
- Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire building core. 1,954,764; Apr. 10.
- Anderson, Gilbert V., Philadelphia, Pa., assignor, by mesne assignments, to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic profile milling machine. 1,952,230; Mar. 27.
- Anderson, Gilbert V., Philadelphia, Pa., assignor, by mesne assignments, to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,952,231; Mar. 27.

- Anderson, Gilbert V., Philadelphia, Pa., assignor to Lerner Machine Company. Internal combustion engine. 1,965,569; July 10.
- Anderson, Gordon R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Testing apparatus for electrical machines. 1,960,614; May 29.
- Anderson, Gustav H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Door closer and check. 1,957,308; May 1.
- Anderson, Gustav H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Swinging door closer and check. 1,959,325; May 15.
- Anderson, Gustav H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Panel lock joint. 1,959,326; May 15.
- Anderson, Gustav H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Nonjamming chain for door closers and checks. 1,962,291; June 12.
- Anderson, Gustav H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Radiator cabinet. 1,979,817; Nov. 6.
- Anderson, Guy B., assignor of one-half to S. B. Dickman, Baltimore, Md. Automatic closure for outlet ends of dispensing receptacles. 1,973,459; Sept. 11.
- Anderson, Hamilton, et al. (See Kardorff, Léon, assignor.)
- Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Journal bearing. 1,960,430; May 29.
- Anderson, Harley E., assignor to Grip Nut Corporation, Chicago, Ill. Automatic slack adjuster. 1,961,919; June 5.
- Anderson, Harley E., assignor to W. E. Sharp, deceased, Chicago, Ill.; M. E. Sharp, executrix. Support for brake beams. 1,976,694; Oct. 9.
- Anderson, Harry P. H. (See McCallum, J., and Anderson.)
- Anderson, Harry T. (See Christianson, A., and Anderson.)
- Anderson, Harry T., New Philadelphia, and E. C. Davis, Dover, Ohio. Stretcher. 1,983,889; Dec. 11.
- Anderson, Helmer, assignor to General Mills, Inc., Minneapolis, Minn. Bag closing and sealing machine. 1,984,049; Dec. 11.
- Anderson, Herman R., Centuria, Wis. Trailer coupler. 1,965,685; July 10.
- Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker conveyer. 1,953,036; Mar. 27.
- Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel distributing mechanism. 1,978,357; Oct. 23.
- Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker. 1,978,358; Oct. 23.
- Anderson, Ian B. (See Jones, D. C. R., Anderson, and Thomson.)
- Anderson, Ian B. (See Thomson, R. F., Anderson, and Thornley.)
- Anderson, Ira H., Roscoe Calif. Unitary cigarette and match pack. 1,970,878; Aug. 21.
- Anderson, Ivan G., administrator. (See Anderson, Carl F. and I. G.)
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding torch. 1,942,352; Jan. 2.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of fusion-welded pipe. 1,960,523; May 29.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tube welding machine. 1,960,524; May 29.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding. 1,964,307; June 26.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding seams along curving surfaces. 1,972,509; Sept. 4.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus and method for fusion welding. 1,979,243; Nov. 6.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding tip. 1,979,244; Nov. 6.
- Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding apparatus. 1,964,701; June 26.
- Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Multiple torch machine. 1,977,710; Oct. 23.
- Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Circumferential pipe cutting or welding machine. 1,981,340; Nov. 20.
- Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Circumferential pipe cutting or welding machine. 1,981,341; Nov. 20.
- Anderson, James W., assignor to Monarch Governor Company, Detroit, Mich. Governor. Re-19,331; Oct. 2.
- Anderson, James W., assignor to Monarch Governor Company, Detroit, Mich. Governor. 1,947,509; Feb. 20.
- Anderson, James W., Berkeley, assignor to Anderson Manufacturing Company, Hollywood, Calif. Timer. 1,952,349; Mar. 27.
- Anderson, James W., Los Angeles, assignor to Anderson Manufacturing Company, Hollywood, Calif. Multiview camera shutter. 1,984,620; Dec. 18.
- Anderson, James Z., Brookfield, Ill. Circulation equalizer for furnace flues. 1,985,559; Dec. 25.
- Anderson, Jesse I., assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind. Brush for automobile chassis. 1,962,854; June 12.
- Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Tension device. 1,955,666; Apr. 17.
- Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Cop holder. 1,974,002; Sept. 18.
- Anderson, John, New York, N. Y. Egg beater. Des. 93,596; Oct. 16.
- Anderson, John, New York, N. Y. Clutch operating mechanism. 1,985,394; Dec. 25.
- Anderson, John, New York, N. Y. Brush control for motor commutators. 1,985,395; Dec. 25.
- Anderson, John, New Bedford, Mass. Gutter broom for street sweepers. 1,967,651; July 24.
- Anderson, John A. (See Voorhees, V., and Anderson.)
- Anderson, John E. (See Kingsbury, E. J., and Anderson.)
- Anderson, John E., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Preparing and applying plastic refractory. 1,983,589; Dec. 11.
- Anderson, John E., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Package for plastic refractory material. 1,983,590; Dec. 11.
- Anderson, John E., and C. W. Dunlap, assignors to Plibrico Jointless Firebrick Company, Chicago, Ill. Lining anchor. 1,975,759; Oct. 9.
- Anderson, John F., W. J. Strong, and M. F. Torrence, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Cleaning molds. 1,950,208; Mar. 6.
- Anderson, John L., and J. C. Wells, Burkburnett, assignor to Magnolia Petroleum Company, Dallas, Tex. Traveling valve. 1,948,325; Feb. 20.
- Anderson, John P. (See Schmolli, A. C., and Anderson.)
- Anderson, John P., Koppel, assignor, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Door operating mechanism. 1,959,975; May 22.
- Anderson, John P., Koppel, and C. W. Miller, Beaver Falls, assignors, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Car dumping mechanism. 1,959,976; May 22.
- Anderson, John W., Gary, Ind. Windshield wiper or the like. 1,950,588; Mar. 13.
- Anderson, John W., Gary, Ind. Windshield wiper. 1,971,893; Aug. 28.
- Anderson, John W., Gary, Ind. Windshield wiper. 1,973,366; Sept. 11.
- Anderson, John W., Gary, Ind. Automobile radiator shutter control. 1,977,538; Oct. 16.
- Anderson, Joseph, Brockton, assignor to National Foundry, Inc., Whitman, Mass. Blower. 1,971,246; Aug. 21.
- Anderson, Kenneth B. (See Sinton, J. F., and Anderson.)
- Anderson, Lawrence W., Dodge City, Kans. Dress former. 1,978,123; Oct. 23.
- Anderson, Leonard, Avon, N. J. Suspension for vehicles. 1,958,905; May 15.
- Anderson, Lorenzo N., Hawkinsville, Ga. Can opener. 1,958,654; May 15.
- Anderson, Lottie E., assignor to Standard Oil Company, Chicago, Ill. Dry cleaning machine. 1,943,504; Jan. 16.
- Anderson, MacGregor S., Chicago, Ill. Wall form. 1,970,547; Aug. 21.
- Anderson, MacGregor S., assignor to Universal Form Clamp Company, Chicago, Ill. Form tie. 1,950,018; Mar. 6.
- Anderson Manufacturing Company. (See Anderson, James W., assignor.)
- Anderson, Maurice P. (See Hallett, F. N., and Anderson.)
- Anderson, Norman T. (See Sweeley, E. A., and Anderson.)
- Anderson, O. J., et al. (See Hill, Richard D., assignor.)
- Anderson, Oscar M. (See Hanbury, A. E., Juneget, and Anderson.)
- Anderson, Oscar M. (See Juengst, F. W., and Anderson.)
- Anderson, Oscar W., Oak Park, assignor to Pettibone Mulliken Company, Chicago, Ill. Pump. 1,947,148; Feb. 13.
- Anderson, Oscar W., Oak Park, assignor to Pettibone Mulliken Company, Chicago, Ill. Making channel forgings. 1,958,178; May 8.
- Anderson, Otto, Portland, Ore. Switch for electric safety signals. 1,942,739; Jan. 9.
- Anderson, Ralph L., assignor to Deere & Company, Moline, Ill. Harvester. 1,948,484; Feb. 27.
- Anderson, Ralph L., assignor to Deere & Company, Moline, Ill. Harvester. 1,950,210; Mar. 6.
- Anderson, Ralph L., and A. W. Oehler, assignors to Deere & Company, Moline, Ill. Combine. 1,950,209; Mar. 6.
- Anderson, Ralph M., Freeport, Maine. Moccasin. 1,959,892; May 22.
- Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Feeding mechanism for presses. 1,971,632; Aug. 28.
- Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,977,259; Oct. 16.

- Anderson, Richard D., Baton Rouge, La., assignor to Standard Oil Development Company. Surfacing machine. 1,973,597; Sept. 11.
- Anderson, Robert G., Harborside, Pa., assignor to General Electric Company. Lubricating device. 1,964,551; June 26.
- Anderson, Robert and S., Seattle, Wash. Direction indicator. 1,977,605; Oct. 23.
- Anderson, Roy F., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Windshield for automobiles. 1,965,625; July 10.
- Anderson, Roy F., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile door handle construction. 1,985,223; Dec. 25.
- Anderson, Roy F., Detroit, Mich., assignor to The Murray Corporation of America. Steel door construction. 1,953,739; Apr. 3.
- Anderson, Roy F., San Francisco, assignor to Atlas Imperial Diesel Engine Company, Oakland, Calif. Fluid-tight joint. 1,956,264; Apr. 24.
- Anderson, Roy J., Chicago, Ill., assignor, by mesne assignments, to Waters-Genter Company, Minneapolis, Minn. Bread toasting machine. 1,971,091; Aug. 21.
- Anderson, Rudolph J., and M. S. Newman, assignors to The New Haven Dispensary, New Haven, Conn. Making hydroxyquinone compounds. 1,984,511; Dec. 18.
- Anderson, Russell G. (See Blazek, J. Y., and Anderson.)
- Anderson, Russell J., assignor to Belle City Malleable Iron Company, Racine, Wis. Regulator for molding machines. 1,975,528; Oct. 2.
- Anderson, Russell J., assignor to Belle City Malleable Iron Company, Racine, Wis. Regulator for molding machines. 1,975,529; Oct. 2.
- Anderson, Samuel. (See Anderson, Robert and S.)
- Anderson, Samuel M. (See Foss, B. S., and Anderson.)
- Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Air conditioning apparatus. 1,949,640; Mar. 6.
- Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Portable air conditioning apparatus. 1,952,833; Mar. 27.
- Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Railway car conditioning. 1,957,431; May 8.
- Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Method and apparatus for conditioning air. 1,972,912; Sept. 11.
- Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Temperature indicator. 1,976,911; Oct. 16.
- Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Air cooling system. 1,978,854; Oct. 30.
- Anderson, Sigfred J., Minneapolis, Minn. Fairlead. 1,976,708; Oct. 16.
- Anderson-Smedberg, Carl O., Chicago, Ill., assignor to Lincoln-Schlueter Floor-Machinery Co., Inc. Scrubbing and mopping device. 1,969,674; Aug. 7.
- Anderson, Ted D., Detroit, Mich. Form hanger. 1,972,913; Sept. 11.
- Anderson, Theodore, Everett, Wash. Audible safety signal for electrical apparatus. 1,944,627; Jan. 23.
- Anderson-Tully Company. (See Ward, Neil C., assignor.)
- Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
- Anderson, V. D., Company, The. (See Ragsdale, Elbert C., assignor.)
- Anderson, Victor. (See Hofmann, A., and Anderson.)
- Anderson, Victor, North Bergen, and D. G. Trutner, North Arlington, assignors to Alfred Hofmann & Company, West New York, N. J. Filament making machine. 1,947,449; Feb. 20.
- Anderson, Waldemar E., Montclair, N. J., assignor to Westinghouse Lamp Company. Lamp failure indicator. 1,972,125; Sept. 4.
- Anderson, Walter A., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Plural-counter computing machine. 1,975,774; Oct. 9.
- Anderson, Walter A., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Electric contact governor. 1,984,512; Dec. 18.
- Anderson, Washington B. (See Griffin, J. P., and Anderson.)
- Anderson, Wilbur G. (See Hazard, T. C., and Anderson.)
- Anderson, William, Detroit, Mich. Camp trailer. 1,972,415; Sept. 4.
- Anderson, William, Seattle, Wash. Valve. 1,982,189; Nov. 27.
- Anderson, William B., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator control. 1,953,941; Apr. 10.
- Anderson, William H., et al. (See Doman, A. E., and Sayre, assignors.)
- Anderson, William H., assignor of one-half to F. J. Trippensee, Detroit, Mich. Starter-generator for out-board motors. 1,966,913; July 17.
- Anderson, William J., et al. (See Baker, L. J., Laman, and Baker, assignors.)
- Anderson, William J. (See Dougherty, L. B., and Anderson.)
- Anderson, William S., assignor to Shoe Press Corporation, Philadelphia, Pa. Device for cementing top lifts to heels of shoes. 1,966,477; July 17.
- Andersson, Arvid, assignor to Peerless Machinery Company, Boston, Mass. Roughening machine. 1,972,859; Sept. 11.
- Andersson, Sven W. E., assignor to Electrolux Serval Corporation, New York, N. Y. Gas valve. 1,961,324; June 5.
- Andersson, Sven W. E., assignor to Electrolux Serval Corporation, New York, N. Y. Automatic burner control valve. 1,961,325; June 5.
- Andersson, Sven W. E., assignor to Electrolux Serval Corporation, New York, N. Y. Control device for fluid fuel burners. 1,974,731; Sept. 25.
- Andis Clipper Company. (See Slade, Arthur R., assignor.)
- Andis, Mathew, Racine, Wis. Electric massager. Des. 92,995; Aug. 14.
- Andis, Mathew, Racine, Wis. Hair clipper. 1,974,557; Sept. 25.
- Andis, Mathew, Racine, Wis. Key holder. 1,974,558; Sept. 25.
- Andis, Mathew, Racine, Wis. Power-driven vibrator. 1,980,312; Nov. 13.
- Andorff, Fritz, Viernheim, and W. Speidel, Ludwigshafen-on-the-Rhine, Germany, assignors to Aktiengesellschaft Brown Boverie et Cie, Baden, Switzerland. Electric switchgear. 1,980,739; Nov. 13.
- Andrada, Morris J., Brooklyn, and J. J. Fairbairn, Roosevelt, N. Y., assignors to Robins Conveying Belt Company, Passaic, N. J. Idler roll. 1,958,412; May 15.
- Andrasik, Joseph, and J. Skulavik, Denver, Colo. Ash pit protector. 1,985,224; Dec. 25.
- Andre, Gustaf E., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Connector for electric appliances and the like. 1,954,859; Apr. 17.
- Andreas, Arno, Munster, Germany. Bag folding machine. 1,942,159; Jan. 2.
- Andreas, Arno, Munster, Germany. Apparatus for manufacturing cement and the like. 1,948,742; Feb. 27.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Rivet. 1,966,401; July 10.
- Andren, Lennart, assignor to American Chain Co., Inc., Bridgeport, Conn. Welding electrode and coating therefor. 1,974,782; Sept. 25.
- Andres, Charles M., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Finish and method of producing same. 1,973,740; Sept. 18.
- Andres, Felix O., San Francisco, Calif. Coating with metal. 1,953,330; Apr. 3.
- Andres, Paul G., Indianapolis, Ind., and A. Hall, Oak Park, Ill., assignors to Yaxley Manufacturing Company, Indianapolis, Ind. Electric switch. 1,975,247; Oct. 2.
- Andres, William J., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,954,519; Apr. 10.
- Andres, William J., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,961,837; June 5.
- Andres, William J., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake operating mechanism. 1,967,389; July 24.
- Andres, William J., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,971,594; Aug. 28.
- Andrés y Hernandez, José, Habana, Cuba. Faucet. 1,945,637; Feb. 6.
- Andresen, George, assignor to W. B. Parkyn, Chicago, Ill. Motor-compressor unit. 1,979,851; Nov. 6.
- Andresen, Herman P., Chicago, Ill. Street sign. 1,959,849; May 22.
- Andrew, Edwin L., Rome, assignor to General Cable Corporation, New York, N. Y. Electric connector. 1,953,891; Apr. 3.
- Andrew, Sarah C., Allentown, Pa. Device for browning foods. 1,959,807; May 22.
- Andrew & Suter Limited. (See Macfie, William L., assignor.)
- Andrew, Thomas E., Rochdale, assignor to Dunlop Cotton Mills Limited, London, England. Feeding roller in textile or like apparatus, more especially twisting machines. 1,961,952; June 5.
- Andrew, Thomas E., and M. Langsthreth, assignors to Dunlop Cotton Mills Limited, Rochdale, England. Twisting and the like machine. 1,964,021; June 26.
- Andrew, Victor J., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Frequency measuring system. 1,966,230; July 10.
- Andrews, Admiral L., Shawnee, Okla. Trousers support. 1,948,251; Feb. 20.
- Andrews, Arthur G., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Strainer. 1,950,378; Mar. 13.
- Andrews, Champe S., North Chattanooga, Tenn. Box. 1,946,433; Feb. 6.
- Andrews, Champe S., Chattanooga, Tenn. Canister or container. 1,960,237; May 29.
- Andrews, Champe S., North Chattanooga, Tenn., assignor to The Guardian Trust Company, Cleveland, Ohio. Box. 1,941,528; Jan. 2.
- Andrews, Champe S., North Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. Container for packaging sheet and fabric material. 1,979,245; Nov. 6.
- Andrews, Champe S., North Chattanooga, Tenn., and A. J. Tanner, North Haven, Conn., assignors to Box Blank Corporation, New York, N. Y. Packaging and display container. 1,945,251; Jan. 30.
- Andrews, Charles W., Duluth, Minn., and W. B. Chapman, Jackson Heights, N. Y. Gas generator. 1,941,455; Jan. 2.

- Andrews, Charles W., Chicago, Ill., and R. D. Rogers, Bayonne, N. J., assignors to C. P. T. Development Corporation, Chicago, Ill. Method of coking heavy petroleum residues or the like. 1,944,872; Jan. 30.
- Andrews, Clyde C., Portland, Oreg. Numeral and letter forming refrigerant circuits. 1,943,883; Jan. 16.
- Andrews Company, The. (See Coddington, Howard O., assignor.)
- Andrews, E. J. (See Krag, Erik L., assignor.)
- Andrews, Edward F., Chicago, Ill. Radio-phonograph control device. 1,969,344; Aug. 7.
- Andrews, Edward F., Chicago, Ill. Plug connector. 1,969,345; Aug. 7.
- Andrews, Edward F., Chicago, Ill. Radio receiving set. 1,980,842; Nov. 13.
- Andrews, Edward W., Chicago, Ill. Postage stamping and registering device. 1,962,729; June 12.
- Andrews, Frank M., et al. (See Brehmer, Frederick W., assignor.)
- Andrews, Frederic E. (See Insall, A. T. C., and Andrews.)
- Andrews, Frederick B., Yonkers, N. Y. Tennis racket. 1,962,701; June 12.
- Andrews, Irene E. (See Andrews, William H., assignor.)
- Andrews, Isaac, Spartanburg, S. C. Antirattle device. 1,948,640; Feb. 27.
- Andrews, Isaac, Spartanburg, S. C. Sectional twine heddle. 1,977,841; Oct. 23.
- Andrews, Jerome E., Andover, Mass. Shoe. Des. 92,282; May 22.
- Andrews, John W., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling strands. 1,964,493; June 26.
- Andrews, L. V., Worcester, Mass., and C. M. Terry, assignors to A. W. Cash Company, Decatur, Ill. Regulating apparatus. 1,952,648; Mar. 27.
- Andrews, Lloyd M. (See Tear, H. R., and Andrews.)
- Andrews, Lloyd M., assignor to The Lubrication Corporation, South Bend Ind. Lubrication device. 1,969,920; Aug. 14.
- Andrews, Magruder, Macon, Ga. Air gun. 1,962,946; June 12.
- Andrews, Nathaniel R., Yonkers, N. Y. Reclaiming bone black and like materials. 1,971,895; Aug. 28.
- Andrews, Nathaniel R., Yonkers, and J. J. Neuman, New York, N. Y. Automatic gyration control means for centrifugal extractors. 1,946,725; Feb. 13.
- Andrews, Norman F. (See Coultas, W. J., and Andrews.)
- Andrews, Norman F., East Moline, assignor to Deere & Company, Moline, Ill. Corn harvester. 1,977,790; Oct. 23.
- Andrews, Norwood H., Moorestown, N. J., and W. I. Willoughby, Philadelphia, Pa., assignors to American Pulverizing Corporation, Camden, N. J. Pulverizing minerals and similar materials. 1,948,609; Feb. 27.
- Andrews, Norwood H., Moorestown, N. J., and W. I. Willoughby, Philadelphia, Pa., assignors to American Pulverizing Corporation, Camden, N. J. Separator. 1,953,058; Apr. 3.
- Andrews, Oliver B., Chattanooga, Tenn. Container. 1,979,816; Nov. 6.
- Andrews, Oliver B., Chattanooga, Tenn. Bread band. 1,980,843; Nov. 13.
- Andrews, P. L., Corporation. (See Andrews, Preston L., assignor.)
- Andrews, Paul B., Rome, N. Y., assignor to Revere, Copper & Brass Incorporated. Flexible insulated pipe. 1,942,468; Jan. 9.
- Andrews, Paul D., Schenectady, N. Y., assignor to General Electric Company. Protective system. 1,970,411; Aug. 14.
- Andrews, Paul D., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,972,698; Sept. 4.
- Andrews-Pellkofer Sandal Company. (See Pellkofer, Joseph, assignor.)
- Andrews, Philip R. (See Finlayson, A., and Andrews.)
- Andrews, Preston L., Brooklyn, assignor to P. L. Andrews Corporation, Glendale, Long Island, N. Y. Dispensing container. 1,967,278; July 24.
- Andrews, S. E. (See Archbold, Arthur A., jr., assignor.)
- Andrews, William H., Cleveland, Ohio, assignor to I. E. Andrews. Spraying device. 1,957,686; May 8.
- Andres, William J., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,939; Nov. 27.
- Andrus, Burton R., Eugene, Oreg. Saw-filing device. 1,942,016; Jan. 2.
- Andrus, Harold L. (See Clark, E. S., and Andrus.)
- Andrus, Orrin E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Securing protective coverings to metallic surfaces. 1,960,042; May 22.
- Andrus, Orrin E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Lined pressure vessel. 1,962,168; June 12.
- Andrus, Orrin E., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe joint. 1,966,231; July 10.
- Andrus, Orrin E., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus and method for indicating defective welds. 1,979,786; Nov. 6.
- Andrus, Orrin E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Metallic vessel. 1,972,728; Sept. 4.
- Andrussow, Leonid, Mannheim, and K. Huberich, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Catalytic production of hydrocyanic acid. 1,957,749; May 8.
- Anduaga, José, Brooklyn, N. Y. Combination adjustable chair and easel. 1,951,960; Mar. 20.
- Anetsberger, Frank A. and W., Chicago, Ill. Air conditioning apparatus. 1,955,269; Apr. 17.
- Anetsberger, William. (See Anetsberger, Frank A. and W.)
- Angel, Jose M., Oakland, Calif. Hose connection. 1,980,466; Nov. 13.
- Angel, Harry H., Sparrows Point, and E. Cook, Baltimore, Md., assignors to Bethlehem Steel Company. Steel mill temperature indicator. 1,966,086; July 10.
- Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. System for automatically detecting errors in telegraph reception. 1,972,326; Sept. 4.
- Angelotti, Joseph M., New York, N. Y. Machine for making lamp shades and the like. 1,958,459; May 15.
- Angeli, Guglielmo, New York, N. Y. Sign. 1,985,532; Dec. 25.
- Angell, Arnold A., Chicago, Ill. Making a brush. 1,950,379; Mar. 13.
- Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,972,914; Sept. 11.
- Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Charging solid material into a confined zone. 1,974,789; Sept. 25.
- Angell, Charles H., assignor to Universal Oil Product Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,983,688; Dec. 11.
- Angell, Edward C., deceased, East Orange, N. J.; R. Angell, executrix. Paper container machine. 1,958,413; May 15.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental flask press. 1,941,780; Jan. 2.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Method of and mechanism for forming hardened steel. 1,945,510; Feb. 6.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Electric instrument handle. 1,968,867; Aug. 7.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Accessory table. 1,972,072; Sept. 4.
- Angell, Rose, executrix. (See Angell, Edward C.)
- Angell, Stanton E., Toledo, Ohio. Twin wheel structure. 1,959,147; May 15.
- Angelo, Andrew, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in the packing of glass sheets. 1,982,621; Dec. 4.
- Angelus, Louis, New York, and D. L. Baylis, Long Island, N. Y.; said Baylis assignor to said Angeles. Dry cleaning apparatus. 1,984,513; Dec. 18.
- Anger, Edward F., assignor to The Standard Bottle Company Limited, London, England. Leer stacker. 1,957,573; May 8.
- Anger, Edward W., Chicago, Ill. Fluid pressure system. 1,982,622; Dec. 4.
- Anger, Paul, Kiel, Germany. Jet impact pulverizer. 1,971,092; Aug. 21.
- Angerstein, George W., Chicago, Ill. Applying indicia to rounded surfaces of small radius. 1,972,854; Sept. 11.
- Angier, Edward H., trustee. (See Angier, Edward H., assignor.)
- Angier, Edward H., trustee. (See Morse, Melvin L., assignor.)
- Angier, Edward H., Framingham, Mass. Joining concrete sections and dowel pin covers therefor. 1,946,658; Feb. 13.
- Angier, Edward H., Framingham, Mass. Concrete curing cover. 1,954,554; Apr. 10.
- Angier, Edward H., assignor to E. H. Angier, Framingham, Mass., trustee designated as Angier Laboratories. Blanket for concrete. 1,965,111; July 3.
- Angier, Edward H., assignor to E. H. Angier, trustee under agreement and declaration of trust, designated as Angier Laboratories, Framingham, Mass. Wrapper. 1,967,700; July 24.
- Angier, Edward H., Framingham, Mass., assignor to E. H. Angier, trustee. Reinforcing paper. 1,974,594; Sept. 25.
- Angier, Edward H., assignor to E. H. Angier, as trustee, Framingham, Mass. Waterproof sheet material. 1,984,910; Dec. 18.
- Angier, Edward H., Framingham, and E. R. Dearborn, Ashland, assignors to E. H. Angier, Framingham, Mass., trustee. Strand inlaying machine. 1,951,301; Mar. 13.
- Angier Laboratories. (See Angier, Edward H., assignor.)
- Angia, Bernard M. R. (See Gault, Henry, and Angia.)
- Angle, Anna H., executrix. (See Angle, Edward H.)
- Angle, Edward H., deceased, A. H. Angle, executrix, Pasadena, Calif. Orthodontic appliance. 1,949,444; Mar. 6.
- Angle, Philip E., Duquesne, Pa. Conveyor wheel. 1,945,506; Feb. 6.
- Anglemyer, Willard A., Indianapolis, Ind. Extension valve. 1,962,472; June 12.
- Anglim, Thomas H., Dunkirk, N. Y. Apparatus for pasteurizing milk. 1,984,956; Dec. 18.

- Anglo-Persian Oil Company. (See Holley, A. E., and Mott, assignors.)
- Anglyn, Hugh E., assignor of one-half to M. R. Snipes, High Point, N. C. Combined doorbolt and night latch. 1,965,789; July 10.
- Angola Chemical Corporation. (See Snyder, Chester, assignor.)
- Angstadt, Harry F. (See Pew, Arthur E., jr., and Angstadt.)
- Angus, Donald J., Indianapolis, Ind. Method and apparatus for producing governed motion at a distance. 1,948,092; Feb. 20.
- Angyal, Louis, San Francisco, Calif. Can. 1,959,260; May 15.
- Animal Trap Company of America. (See Graybill, Hershey R., assignor.)
- Animal Trap Company of America. (See Graybill, H. R., Kock, and McCreary, assignors.)
- Animal Trap Company of America. (See Lehn, J. U., and Drach, assignors.)
- Animal Trap Company of America. (See McCreary, Harry W., assignor.)
- Animated Advertising Displays Inc. (See Wagenhals, William G., assignor.)
- Animated Spark Plug Company. (See Muir, Harold J., assignor.)
- Ankorn, John, Portland, Oreg. Sandwich making machine. 1,973,195; Sept. 11.
- Anker-Holth Manufacturing Company. (See Krenke, Otto A., assignor.)
- Anker, L., Maschinenfabrik. (See Heilbrunn, Alfred, assignor.)
- Anker-Werke Aktiengesellschaft. (See Jacob, Max, assignor.)
- Anker-Werke Aktiengesellschaft. (See Lind, Gustav, assignor.)
- Anker-Werke Aktiengesellschaft. (See Thomas, August, assignor.)
- Annable, Henry W. C., assignor to The Ferro Alloy Company of Africa Limited, Port Elizabeth, Union of South Africa. Separating gold and antimony contained in antimony sulphide ores. 1,964,781; July 3.
- Anneren, Rolf E., Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Automatic control device. 1,972,815; Sept. 4.
- Annex Manufacturing Co. (See Funk, Bernard, assignor.)
- Annick, Michael, assignor to F. Wesel Manufacturing Company, Scranton, Pa. Reproduction printing machine of the vacuum type. Des. 91,977; Apr. 17.
- Annick, Michael, assignor to F. Wesel Manufacturing Company, Scranton, Pa. Frame for a photographic machine. Des. 93,376; Sept. 25.
- Annis, Emmett F., Glendale, Calif. Self-cleaning dust collector. 1,949,002; Feb. 27.
- Ansaldo, Pericle, Rome, Italy. Multiple and transformable theater-stage. 1,966,698; July 17.
- Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Attachment for combustible gas conduits. 1,960,043; May 22.
- Anschütz, Hellmut, Berlin-Schmargendorf, Germany, assignor to General Electric Company. Electric timing circuit. 1,985,069; Dec. 18.
- Anscott, William. (See Price, W. J., and Anscott.)
- Anseel, Edouard, and M. de Moor, assignors to Société Anonyme "Les Ateliers Metallurgiques Reunis," Gand, Belgium. Decorticating machine for grain, rice, and similar cereals. 1,969,442; Aug. 7.
- Anselm, Albert J., Lake Bluff, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Drawing wire. 1,948,485; Feb. 27.
- Ansingh, Herman K., assignor to English Electric Company of Canada, Limited, St. Catharines, Ontario, Canada. Electric motor. 1,959,608; May 22.
- Ansingh, Herman K., assignor to English Electric Company of Canada, Limited, St. Catharines, Ontario, Canada. Fan cooled electric motor. 1,969,493; Aug. 7.
- Ansley, Charlotte E., North Hollywood, Calif. Platen and paper feed for typewriters and the like. 1,947,450; Feb. 20.
- Ansonia Bootery, Inc. (See Epstein, Samuel, assignor.)
- Ansonia Bootery, Inc. (See Stern, Harry, assignor.)
- Ansonia O & C Company, The. (See Fassett, Wallace F., assignor.)
- Antiss, George P., Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Washing machine. 1,944,679; Jan. 23.
- Antiss, George P., River Forest, assignor to G. S. Blakeslee & Co., Cicero, Ill. Sliding door spring. 1,975,627; Oct. 2.
- Antelme, Louis X., Paris, France. Mechanical regulation or tension indicator. 1,975,675; Oct. 2.
- Antelme, Louis X., Paris, France. Resiliently articulated joint. 1,975,676; Oct. 2.
- Anthony, Alfred W., jr., Belmont, assignor to Pease, Anthony Equipment Co., Cambridge, Mass. Humidifying apparatus. 1,978,007; Oct. 23.
- Anthony, Benjamin F. (See Eulich, R. H., and Anthony.)
- Anthony, Benjamin F., Youngstown, Ohio. Apparatus for ascertaining the temperature of hot bodies. 1,958,879; May 15.
- Anthony Company. (See Anthony, W. C., and Wachter, assignors.)
- Anthony, Joseph F., Wilkinsburg, Pa., assignor to The National Cash Register Company, Dayton, Ohio. Paper slitting and stacking device. 1,951,889; Mar. 20.
- Anthony, Robert S. (See Lund, A. D., and Anthony.)
- Anthony, William C., and L. Wachter, assignors to The Anthony Company, Streator, Ill. Hydraulic dumping body. 1,942,402; Jan. 9.
- Anthony, William C., and L. Wachter, assignors to Anthony Company, Streator, Ill. Mower. 1,958,405; May 15.
- Anthony, William C., and L. Wachter, assignors to Anthony Company, Streator, Ill. Hoist control. 1,985,361; Dec. 25.
- Anthrax Separator Company. (See Pardee, Frank, jr., assignor.)
- Antill, Philip W., Ridgefield Park, N. J., assignor to American Arch Company, New York, N. Y. Refractory furnace wall. 1,972,838; Sept. 4.
- Antoine, Alfred D., Chicago, and A. E. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,941,781; Jan. 2.
- Antoine, Joseph. (See Plainevaux, P., and Antoine.)
- Anton, Frederick A., and W. T. Harris, assignors to The Topeka Tent & Awning Company, Topeka, Kans. Window awning construction. 1,959,700; May 22.
- Antoni, Alwin, Roth, near Gelnhausen, Germany. Artificial wood board and manufacturing the same. 1,969,291; Aug. 7.
- Antoni, Ugo, Viareggio, Italy. Demountable wheel. 1,945,410; Jan. 30.
- Antonietto, Joseph, Port Richmond, N. Y. Variable tuning condenser. 1,972,510; Sept. 4.
- Antoniono, Cesar, et al. (See Huttleston, Clifford, assignor.)
- Antonoff, George, Croissy-sur-Seine, and J. Freedland, Paris, France. Obtaining a finely divided carbonaceous product. 1,974,481; Sept. 25.
- Antonsen, Anker K., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Automatic speed-varying mechanism. 1,964,494; June 26.
- Antrim, Louis C., Springfield Gardens, N. Y. Attachment for typewriters. 1,958,688; May 15.
- Antrim, Louis C., New York, N. Y. Typewriting machine. 1,964,022; June 26.
- Antrim, Louis C., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 1,957,928; May 8.
- Antrim, Louis C., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Transfer device. 1,971,306; Aug. 21.
- Antrim, Louis C., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Transfer device. 1,975,057; Sept. 25.
- Antrim, William D., Gloucester, N. J., and A. Schlemmer, assignors to Roberts & Mander Stove Company, Philadelphia, Pa. Movable top for ranges. 1,951,231; Mar. 13.
- Antworth, Samuel J. (See Quimby, A., and Antworth.)
- Anzalone, Frank, J. Sposito, and V. Garcia, San Jose, Calif. Protection terminal for batteries. 1,951,591; Mar. 20.
- Anzlovar, Rudolph C., Brooklyn, N. Y. Automatic toy water tower. 1,951,263; Mar. 13.
- Anzlovar, Rudolph C., Brooklyn, N. Y. Toy locomotive chugger. 1,985,137; Dec. 18.
- Aoki, Kazuo, Captain Cook, Territory of Hawaii. Battery terminal post clamp. 1,976,649; Oct. 9.
- Apco Mossberg Corporation, The; L. R. Smith, receiver. (See Anderson, G. Albert, assignor.)
- Apex Electrical Manufacturing Company, The. (See Frantz, Clarence G., assignor.)
- Apex Electrical Manufacturing Company, The. (See Frantz, W. A., and Seyfried, assignors.)
- Apex Electrical Manufacturing Company, The. (See Kirby, James B.)
- Apex Electrical Manufacturing Company, The. (See McCabe, John J., assignor.)
- Apex Electrical Manufacturing Company, The. (See Prachar, John.)
- Apex Hosiery Company. (See Struve, Frederick E.)
- Apfelbaum, Myer, Philadelphia, Pa. Combined seltzer water and sirups dispensing bottle device. 1,981,446; Nov. 20.
- Apgar, Frank A., Hammond, and A. Runyan; Valparaiso, Ind., assignors to Sinclair Refining Company, New York, N. Y. Synthetic resin and making same. 1,945,719; Feb. 6.
- Apgar, Frank A., East Chicago, and K. A. Beach, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,951,120; Mar. 13.
- Apgar, Frank A., Hammond, Ind., and K. A. Beach, Chester, Pa., assignors to Sinclair Refining Company, New York, N. Y. Apparatus for refining hydrocarbons. 1,976,000; Oct. 9.
- Aptizsch, Max. (See Kleinschmidt, O., and Aptizsch.)
- Apollo Fabrics, Inc. (See Reiman, Paul, assignor.)
- Apotheker, Carl. (See Bonhöte, G., and Apotheker.)
- App, Andrew J., assignor of one-half to L. Birkel & Sons, Louisville, Ky. Ash pan. 1,957,379; May 1.
- Appel, George C., R. W. Vicarey, and J. D. Wanvig, jr., assignors to Globe-Union Co., Milwaukee, Wis. Storage battery and making the same. 1,942,350; Jan. 2.
- Appel, George C., R. W. Vicarey, and J. D. Wanvig, jr., assignors to Globe-Union Mfg. Co., Milwaukee, Wis. Storage battery. 1,942,351; Jan. 2.
- Appel, Joseph H., jr., Scarsdale, N. Y. Radioreceiver. 1,942,792; Jan. 9.
- Appel, Joseph J., Red Mountain, Calif. Tire jack. 1,957,126; May 1.

- Appelqvist, Gunnar S. A., et al. (See Tydén, Eihar O. E., assignor.)
- Apple, Bessie D. (See Apple, Vincent G.)
- Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
- Apple, Daniel A. (See Crawford, L. V., and Apple.)
- Apple, Edward M. (See Cotterman, Frederick W.)
- Apple, Edward M., and J. Strumia, Detroit, Mich. Electric cord extension device. 1,978,734; Oct. 30.
- Apple, Edward M., executor, et al. (See Cotterman, Frederick W., assignor.)
- Apple, Edward M., et al, executors. (See Apple, Vincent G.)
- Apple, Herbert F. (See Cotterman, Frederick W.)
- Apple, Herbert F., executor, et al. (See Cotterman, Frederick W., assignor.)
- Apple, Herbert F., et al, executors. (See Apple, Vincent G.)
- Apple, Vincent G. (See Cotterman, Frederick W., assignor.)
- Apple, Vincent G., deceased, by B. D. Apple, assignee, Dayton, Ohio. Stator with insulation enclosed winding. Re19,106; Mar. 13.
- Apple, Vincent G., deceased, Dayton, Ohio, by Bendix Brake Company, South Bend, Ind., assignee. Brake mechanism. Re19,230; July 10.
- Apple, Vincent G., Dayton, Ohio, deceased; H. F. Apple, E. M. Apple, and G. Darroch, executors. Method of and apparatus for making commutators. 1,944,869; Jan. 30.
- Apple, Vincent G., deceased, Dayton, Ohio; H. F. Apple, E. M. Apple, and G. Darroch, executors. Apparatus for making an electrical coil. 1,944,870; Jan. 30.
- Apple, Vincent G., deceased; H. F. and E. M. Apple, and G. Darroch, executors of said V. G. Apple, Dayton, Ohio. Welding wire leads to commutator segments. 1,954,341; Apr. 10.
- Apple, Vincent G., deceased; H. F. and E. M. Apple, and G. Darroch, Dayton, Ohio, executors. Apparatus for making electrical coils. 1,965,330; July 3.
- Apple, Vincent G., deceased, Dayton, Ohio; H. F. and E. M. Apple and G. Darroch, executors. Dynamo-electric machine core slot lining. 1,974,406; Sept. 25.
- Apple, Vincent G., deceased, Dayton, Ohio, H. F. and E. M. Apple, and G. Darroch, executors. Apparatus for molding plastic material. 1,982,279; Nov. 27.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Control mechanism. 1,944,205; Jan. 23.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Switch mechanism. 1,945,720; Feb. 6.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Electric switch. 1,952,405; Mar. 27.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,968,583; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,968,584; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,968,585; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,968,586; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,968,587; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,968,588; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,968,589; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,968,590; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Brake and starter control mechanism. 1,968,591; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Control mechanism. 1,968,592; July 31.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Electric switch. 1,976,534; Oct. 9.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Electrical and mechanical brake control mechanism. 1,978,663; Oct. 30.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake mechanism. 1,980,974; Nov. 20.
- Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Magnetic duo-servo brake. 1,983,332; Dec. 4.
- Apple, Vincent G., Dayton, Ohio, and H. D. Hukill, assignors to Bendix Brake Company, South Bend, Ind. Electric booster mechanism. 1,950,962; Mar. 13.
- Apple, Vincent G., Estate of. (See Cotterman, Frederick W., assignor.)
- Applebaum, Samuel B., New Rochelle, assignor to The Permutit Company, New York, N. Y. Water-softening apparatus. 1,980,161; Nov. 13.
- Appleford Paper Products Limited. (See Powell, William B., assignor.)
- Applegate, Lindsay M., Seattle, Wash. Electromechanical system. 1,942,740; Jan. 9.
- Applegate, Lindsay M., Seattle, Wash. Oscillatory motor. 1,959,016; May 15.
- Applegate, Lindsay M., Portland, Oreg., assignor to J. S. Brady, Somerset, Md. Sound transmission circuits. 1,941,591; Jan. 2.
- Applegate, Robert R. (See Champion, T. P., Kinkad, and Applegate, assignors.)
- Applegate, Robert R., assignor to T. P. Champion, Shaker Heights, Ohio. Welding electrode. 1,953,942; Apr. 10.
- Appleton Electric Company. (See Anderson, Ernst G. K., assignor.)
- Appleton Electric Company. (See Goetzelman, William, assignor.)
- Appleton, Leo F., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Purifying vegetable oils. 1,973,790; Sept. 18.
- Appleton, Louis B., New York, N. Y. Telephone system. 1,971,672; Aug. 28.
- Appleton, William A., Wembley, England, assignor to Radio Corporation of America. Oscillation generator. 1,973,803; Sept. 11.
- Appleton Wire Works, Inc. (See Weissenborn, A. B., and Buchanan, assignors.)
- Appold, Edgar C., Chicago, Ill. Illuminating device. 1,965,874; July 10.
- Apollo Steel Company. (See Holloway, Harry H., assignor.)
- Appolonio, Norman. (See Warren, Frank D., assignor.)
- Appugliese, Louis, Jersey City, N. J. Window back rest. 1,942,233; Jan. 2.
- Apt, Arthur, Roxbury, Mass. Shoe. Des. 93,597; Oct. 16.
- Apt, Arthur, Roxbury, Mass. Shoe. Des. 93,598; Oct. 16.
- Aqua Systems Incorporated. (See Peter, William J., assignor.)
- Arabol Manufacturing Company, The. (See Clegg, John E., assignor.)
- Arata, Albert, Cleveland, Ohio. Cigar box. 1,976,474; Oct. 9.
- Araujo, Miguel, Pachuca Esta-do de Hidalgo, Mexico. Device for performing trigonometrical calculations. 1,983,961; Dec. 11.
- Arbenz, George H., Kansas City, Kans., assignor to H. M. McQueen, Kansas City, Mo. Dishwasher. 1,975,760; Oct. 9.
- Arblaster, Edward F., Mount Lawley, Western Australia, Australia. Internal combustion engine. 1,957,751; May 8.
- Arbogast, Alfred C., and R. Martin, assignors to Northern Indiana Brass Company, Elkhart, Ind. Valve fixture. 1,969,870; Aug. 14.
- Arbuckle Brothers. (See Cody, John P.)
- Arbuckle, Charles L., Lakeport, Calif. Juice extractor. 1,955,217; Apr. 17.
- Arcade Manufacturing Company. (See Firestone, Vance S., assignor.)
- Arcadia Hosiery Company. (See Weisbecker, Frank G., assignor.)
- Archbold, Arthur A., jr., Berwyn, assignor of one-half to S. E. Andrews, Chicago, Ill. Container. 1,984,170; Dec. 11.
- Archea, Walter D. (See Geier, F. V., and Archea.)
- Archea, Walter D. (See Romaine, M., and Archea.)
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,958,507; May 15.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,961,123; June 5.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,961,124; June 5.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Back lash eliminator for machine tool slides. 1,961,125; June 5.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Gear cutting machine. 1,972,823; Sept. 4.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,976,103; Oct. 9.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,976,104; Oct. 9.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machinery. 1,976,105; Oct. 9.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine tool. 1,976,106; Oct. 9.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,976,107; Oct. 9.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,976,108; Oct. 9.
- Archea, Walter D., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,976,109; Oct. 9.
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,978,360; Oct. 23.

- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,981,216; Nov. 20.
- Archea, Walter D., Norwood, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine tool. 1,965,210; July 3.
- Archea, Walter D., Norwood, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,978,359; Oct. 23.
- Archea, Walter D., Norwood, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,985,225; Dec. 25.
- Archer, Carl W., assignor to The Massillon Implement Company, Massillon, Ohio. Combined clutch and brake mechanism. 1,966,328; July 10.
- Archer, Edgar W. (See Myers, A. A., and Archer.)
- Archer, Edward G. (See Armitage, F. W., and Archer.)
- Archer, Frank M., Brookline, Mass. Carton. 1,949,987; Mar. 6.
- Archer, Horace G., Audubon, N. J., and C. G. Bird, Philadelphia, Pa., assignors, by mesne assignments, to Baldwin-Southwark Corporation. Steam platen and making same. Re19,309; Sept. 11.
- Archer, Merton T., assignor to The National-Superior Company, Toledo, Ohio. Resilient tool joint. 1,960,688; May 29.
- Archer, Philip D., Hollywood, Calif., assignor to Campbell-Taggart Associated Bakeries, Inc., Kansas City, Mo. Container. 1,969,195; Aug. 7.
- Archer, Robert S., Milwaukee, Wis., and W. L. Fink, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum-beryllium alloy. 1,952,048; Mar. 27.
- Archer, Robert S., Milwaukee, Wis., and W. L. Fink, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum-beryllium alloy. 1,952,049; Mar. 27.
- Archer, Robert S., Whitefish Bay, and M. A. Matuch, assignors to A. O. Smith Corporation, Milwaukee, Wis. Melting copper to produce dense castings low in oxygen. 1,955,726; Apr. 24.
- Archer Rubber Company. (See Field, Samuel B., assignor.)
- Archetti, Nicola S., Germantown, Pa. Plastic composition. 1,981,769; Nov. 20.
- Archibald, Francis M. (See Peck, E. B., Kleiber, and Archibald.)
- Archila, Fulgencia. (See de Carreño, C., and Archila.)
- Arcturus Development Company. (See Krah, Walter L., assignor.)
- Arcturus Development Company. (See Krah, W. L., assignor.)
- Ard, Charles E., Birmingham, Ala., assignor to Fred C. Frantz, Webster Groves, Mo. Return bend for cracking stills. 1,958,906; May 15.
- Ardavanis, Athanasios G., and H. T. Curtis, Baltimore, Md. Box carton. 1,973,396; Oct. 30.
- Ardeo Manufacturing Company. (See Stern, Charles, assignor.)
- Arden Box Toe Company. (See Lovell, Stanley P., assignor.)
- Arden, Elizabeth, Sales Corporation. (See Loewy, Raymond, assignor.)
- Arden, Elizabeth, Sales Corporation. (See Sachs, Colette, assignor.)
- Arden, Thomas R., Baldwin, N. Y., assignor to American Flyer Mfg. Co., Chicago, Ill. Toy typewriter. Des. 91,856; Apr. 3.
- Arden, Thomas R., Baldwin, N. Y., assignor to American Flyer Manufacturing Company, Chicago, Ill. Clock-operated circuit controller. 1,944,055; Jan. 16.
- Arden, Thomas R., Baldwin, N. Y., assignor to American Flyer Manufacturing Company, Chicago, Ill. Motor starting device. 1,968,804; Aug. 7.
- Arderne, Scott, Thesen Limited. (See Rogerson, Joseph, assignor.)
- Arelt, Charles, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Tobacco feed for making dense-end cigarettes. 1,968,018; July 31.
- Arend, George D., Kalamazoo, Mich., assignor to Remington Rand Inc., Buffalo, N. Y. Loose-leaf binder. 1,953,902; Apr. 3.
- Arenda Corporation. (See Leonard, Edward A., assignor.)
- Arenstein, Joseph. (See Tanzer, J., Smith, and Arenstein.)
- Arentzen, Einar M., assignor to Joy Manufacturing Company, Franklin, Pa. Gathering organization for loading machines. 1,945,340; Jan. 30.
- Arey, Fred C., Oak Park, Ill., assignor to Vulcan Soot Cleaner Company, Du Bois, Pa. Steam engine. 1,973,367; Sept. 11.
- Arey, Fred C., Oak Park, Ill., assignor, by mesne assignments, to Vulcan Soot Blower Corporation, Du Bois, Pa. Automatic power head for soot blowers. 1,979,136; Oct. 30.
- Arf, Herman R. (See Stacey, A. E., Jr., and Arf.)
- Arf, Herman R., Elizabeth, and W. H. Carrier, Essex Fells, assignors to Carrier Engineering Corporation, Newark, N. J. Railroad car conditioning system. 1,953,699; Apr. 3.
- Argento, Henry F. (See Farnham, P. O., and Argento.)
- Argile, Benjamin F. (See Putney, Charles L., assignor.)
- Argonaut Corporation Limited. (See Peress, Joseph S., assignor.)
- Argus Manufacturing Company. (See Smith-Stange, Yngve, assignor.)
- Arid Ice Corporation. (See Bright, Seth L., assignor.)
- Arkell, Bartlett. (See Jarrier, René, assignor.)
- Arkell Safety Bag Company. (See Greene, Edwin D., assignor.)
- Arkell Safety Bag Company. (See Sweeney, Eugene W., assignor.)
- Arkema, Harold P., Chicago, and B. M. A. Trebes, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 1,955,785; Apr. 24.
- Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,320; Sept. 18.
- Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,377; Sept. 25.
- Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,961; Dec. 4.
- Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,064; Dec. 18.
- Arkin, Bertha, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,065; Dec. 18.
- Arlington Mills. (See Arragg, George M., assignor.)
- Arma Engineering Co., Inc. (See Davis, Arthur P., assignor.)
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Deconcentrator. 1,949,853; Mar. 6.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Superheat regulator. 1,959,335; May 22.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Desuperheater. 1,963,731; June 19.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Radiant and convection superheater. 1,973,517; Sept. 11.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Header and separable tubular unit. 1,975,494; Oct. 2.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Making pipe joints. 1,975,495; Oct. 2.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Portable superheater. 1,978,560; Oct. 30.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Antislugging arrangement. 1,983,333; Dec. 4.
- Armaturen und Maschinenfabrik Akt.-Ges., vorm. J. A. Hilpert. (See Meyer, Otto, assignor.)
- Armbrust, Charles W., Middletown, N. Y. Brake shoe. 1,960,431; May 29.
- Armbruster, Earl. (See Nidever, W. C., and Armbruster.)
- Armbruster, John W., East Rockaway, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing device. 1,957,193; May 1.
- Armington, Arthur P., Willoughby, Ohio. Driving axle. 1,974,230; Sept. 18.
- Armington, Arthur P., Willoughby, and G. E. Armington, Cleveland, Ohio. Dump wagon. 1,974,229; Sept. 18.
- Armington, George E. (See Armington, Arthur P. and G. E.)
- Armitage, Alfred E., and J. G. West, Vancouver, British Columbia, Canada. Mechanical joint wiping machine. 1,961,543; June 5.
- Armitage, Frederick W., and E. G. Archer, assignors, by mesne assignments, to T. A. Burford, Hopewell, Va. Variable speed transmission. 1,979,723; Nov. 6.
- Armitage, Joseph B., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 1,949,097; Feb. 27.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control. 1,957,310; May 1.
- Armitage, Joseph B., Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine table transmission and control mechanism. 1,966,158; July 10.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine transmission and control mechanism. 1,966,699; July 17.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 1,967,733; July 24.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine transmission and control. 1,968,276; July 31.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Arbor support for milling machines. 1,969,392; Aug. 7.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine transmission and control. 1,969,393; Aug. 7.
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine transmission and control. 1,976,381; Oct. 9.

- Armor, William C., Glassport, Pa. Toy. 1,975,530; Oct. 2.
 Armour and Company. (See Christensen, C. W., and Conquest, assignors.)
 Armour and Company. (See Conquest, Victor, assignor.)
 Armour and Company. (See True, Melville J., assignor.)
 Armour and Company. (See Woodward, C. B., Keefe, and Colt, assignors.)
 Armour, James W., assignor to Riley Stoker Corporation, Worcester, Mass. Beater element for pulverizing apparatus. 1,941,923; Jan. 2.
 Armour, James W., assignor to Riley Stoker Corporation, Worcester, Mass. Gas scrubber. 1,955,999; Apr. 24.
 Armour, James W., assignor to Riley Stoker Corporation, Worcester, Mass. Distributor for dust-laden gases. 1,957,309; May 1.
 Armour, James W. and C. H. Rich, assignors to Riley Stoker Corporation, Worcester, Mass. Underfeed stoker. 1,950,536; Mar. 13.
 Armoured Films Limited. (See Pedersen, Niels, assignor.)
 Arms, Edward W., assignor to W. & L. E. Gurley, Troy, N. Y. Surveying instrument. 1,952,525; Mar. 27.
 Armsby, Colette, New York, N. Y. Hairdress protector. 1,948,556; Feb. 27.
 Armstrong, Adam E., Three Rivers, Mich. Valve mechanism. 1,979,305; Nov. 6.
 Armstrong Appliance Corporation. (See Atkinson, George E., assignor.)
 Armstrong-Blum Mfg. Co. (See Blum, George J., assignor.)
 Armstrong, Charles A., et al., trustees. (See Madsen, Sern, assignor.)
 Armstrong, Charles A. G. (See Engstrand, G. C., and Armstrong.)
 Armstrong, Charles E., Corvallis, Oreg. Thermostat controls for heating plants. 1,954,763; Apr. 10.
 Armstrong, Charles E., Corvallis, Oreg., assignor to Armstrong Heat Control Co. Automatic control for heating and ventilating. 1,952,350; Mar. 27.
 Armstrong, Charles E., Corvallis, Oreg., assignor to Armstrong Heat Control Co. Thermostatic temperature control. 1,961,544; June 5.
 Armstrong, Charles H. (See Foster, F. A., and Armstrong.)
 Armstrong Cork Company. (See Brand, Norman A., assignor.)
 Armstrong Cork Company. (See Lamy, Richard, assignor.)
 Armstrong Cork Company. (See McCarthy, J. Clarence, assignor.)
 Armstrong Cork Company. (See Miller, Abraham B., assignor.)
 Armstrong Cork Company. (See Munroe, Frederic L., assignor.)
 Armstrong, Ernest, Camden, N. J. Dust guard. 1,966,577; July 17.
 Armstrong, Francis W. (See Hubbard, C. R., and Armstrong.)
 Armstrong, Frank S., Youngwood, Pa. Coffee percolator. 1,960,076; May 22.
 Armstrong, Fredrick A., Anderson, Ind. Apparatus for molding pierced and indented dry brick. 1,965,758; July 10.
 Armstrong, Fullerton G. G., Beverley, England. Shock absorber. 1,967,169; July 17.
 Armstrong, Fullerton G. G., Beverley, England. Shock absorber. 1,967,170; July 17.
 Armstrong Heat Control Co. (See Armstrong, Charles E., assignor.)
 Armstrong, James, Los Angeles, Calif. Forest fire fighting apparatus. 1,953,331; Apr. 3.
 Armstrong, John J., Crockett, Calif., assignor, by mesne assignments, to E. D. Eggmann, Fort Wayne, Ind. Filter unit. Re19,359; Nov. 6.
 Armstrong, Joseph, Bronxville, assignor to National Process Company, Inc., New York, N. Y. Reel and container. 1,966,276; July 10.
 Armstrong, Leonard J., Mariners Harbor, Staten Island, N. Y. Timer. 1,946,380; Feb. 6.
 Armstrong, Merton C., assignor to The Sterling Siren Fire Alarm Company Inc., Rochester, N. Y. Signaling device. 1,952,351; Mar. 27.
 Armstrong Nurseries, Inc. (See Thompson, Jennie B., assignor.)
 Armstrong, Percy A. E., New York, N. Y. Making ferrous products faced with stable surface alloys. Re19,058; Jan. 23.
 Armstrong, Percy A. E., New York, N. Y. Ferrous alloy. 1,941,648; Jan. 2.
 Armstrong, Percy A. E., Beverly Hills, Calif. Corrosion resistant ferrous alloy comprising chromium, nickel, manganese, and copper. 1,962,702; June 12.
 Armstrong, Robert, Ridgefield, N. J. Tube pulling device. 1,964,023; June 26.
 Armstrong Siddeley Motors Limited. (See Green, Frederick M., assignor.)
 Armstrong Siddeley Motors Limited. (See Viale, Spirito M., assignor.)
 Armstrong, Vernon W., Chicago, Ill. Bathing beach accessories. 1,946,998; Feb. 13.
 Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Reforming or reconditioning rail joint splice bars. 1,974,093; Sept. 18.
 Armstrong, Walter J., assignor to The Jeffery Manufacturing Company, Columbus, Ohio. Crushing apparatus. 1,947,784; Feb. 20.
 Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 1,974,733; Sept. 25.
 Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 1,982,945; Dec. 4.
 Armstrong, William H., Plymouth, Mass. Range boiler stand. 1,966,700; July 17.
 Armstrong, William T., Gravesend, England. Automatic guide for webs. 1,945,411; Jan. 30.
 Arnao, Charles, Co., Inc., The. (See Davis, Rex E., assignor.)
 Arnao, Charles Company, Inc. (See Davis, R. E., and Nielsen, assignors.)
 Arnberg, Wilhelm T., Kommunalhuset, Liljeholmen, Sweden. Manufacture of rubber belts. 1,977,108; Oct. 16.
 Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Leaning wheel grader. 1,963,928; June 19.
 Arndt, Walter, Dresden, Germany. Device for facilitating the manual transporting of sacks. 1,966,024; July 10.
 Arner, Jerry P., Long Beach, Calif. Wave motor. 1,953,285; Apr. 3.
 Arner, William J. (See Ryan, J. D., and Arner.)
 Arneson, Theodore J., Minneapolis, Minn. Process and apparatus for treating eyes. 1,967,188; July 17.
 Arness, Olaf J., Chicago, Ill. Extension for table legs. 1,957,194; May 1.
 Arness, William B., Towson, assignor to Alloy Research Corporation, Baltimore, Md. Making rustless iron. 1,954,400; Apr. 10.
 Arness, William B., assignor to Alloy Research Corporation, Baltimore, Md. Producing alloys. 1,954,555; Apr. 10.
 Arnest, Harry L., Virginia Highlands, Va., and C. R. Hockman, Washington, D. C. Electrical outlet box. 1,961,728; June 5.
 Arneith, Michael, New Britain, Conn. Apparatus for aerating aquariums. 1,945,962; Feb. 6.
 Arni, Hans, Falkensee, near Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Feeding device for a special lathe. 1,942,403; Jan. 9.
 Arni, Hans, Falkensee, near Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Manufacturing goffering cylinders for engraving lenticular elements on films. 1,945,586; Feb. 6.
 Arnold, Arthur A. (See Gilbert, A. C., and Arnold.)
 Arnold, Arthur B. (See Jaden, F. I., and Arnold.)
 Arnold, B. William. (See Eason, Levi D., assignor.)
 Arnold Brothers, Inc. (See Ewers, Adolph W., assignor.)
 Arnold, Carl, Nuremberg, Germany. Toy with spark producing device. 1,957,687; May 8.
 Arnold, Carl G., Los Angeles, Calif. Suspenders. 1,954,792; Apr. 17.
 Arnold, Charles F., assignor to General Motors Corporation, Detroit, Mich. Fuel tank construction. 1,970,724; Aug. 21.
 Arnold, Charles H., assignor to The National Cash register Company, Dayton, Ohio. Cash register. 1,949,597; Mar. 6.
 Arnold, Charles H., assignor to The National Cash Register Company, Dayton, Ohio. Ticket printing register. 1,959,296; May 15.
 Arnold, Charles H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,964,552; June 26.
 Arnold, Charles H., assignor to The National Cash Register Company, Dayton, Ohio. Printing and severing mechanism for cash registers. 1,968,669; July 31.
 Arnold-Copeland Co. Inc. (See Arnold, W. C., and Copeland, assignors.)
 Arnold, Dwight C., West Newton, and E. D. Copeland, Quincy, assignors to Arnold-Copeland Co. Inc., Boston, Mass. Dispensing container. 1,971,127; Aug. 21.
 Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fabricated steel spider. 1,944,776; Jan. 23.
 Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension insulator. 1,958,880; May 15.
 Arnold, Eugene H. G., Shillington, Pa. Berry picker's sack. 1,978,877; Oct. 30.
 Arnold, Flora. (See Schwimmer, Oscar, assignor.)
 Arnold, Frederick G., assignor to Rapid Roller Company, Chicago, Ill. Printer's blanket. 1,971,439; Aug. 28.
 Arnold, George. (See Goodaire, E. W., and Arnold.)
 Arnold, Harold A., Knoxville, Tenn. Table. 1,943,280; Jan. 16.
 Arnold, Herbert C. (See Henderson, W. A., and Arnold.)
 Arnold, Herrick R., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Granulation of finely divided materials. 1,967,222; July 24.
 Arnold, James W., assignor of one-half to J. D. Stevens, Lynchburg, Va. Collapsible shoe rack. 1,978,289; Oct. 22.
 Arnold, John C., Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Photographic apparatus. 1,943,360; Jan. 16.
 Arnold, Max, New York, N. Y. Heater. Des. 93,755; Nov. 6.
 Arnold, Paul L. (See Hunt, H. S., and Arnold.)
 Arnold, Philip S., Flint, assignor of one-fifth to C. E. Wisner, Detroit, Mich. Grinding gauge. 1,941,456; Jan. 2.
 Arnold, Ross H. (See Jauch, R. J., and Arnold.)

- Arnold, Samuel E., et. al. (See Phillips, Bertram T., assignor.)
- Arnold, Wilfred B., near Chatham, Ontario, Canada. Window shielding device. 1,974,003; Sept. 18.
- Arnott, Ashley M. (See Carlson, H. G., Arnott, and Rockwood.)
- Aro Equipment Corporation, The. (See Carter, John F., assignor.)
- Aro Equipment Corporation, The. (See Eastman, Ivan L., assignor.)
- Aro Equipment Corporation, The. (See Hartman, George H., assignor.)
- Aro Equipment Corporation, The. (See Morton, Howard E., assignor.)
- Aro Equipment Corporation, The. (See Zwyer, William, assignor.)
- Aroesty, Hyman J., Rochester, N. Y. Fluid dispensing machine. 1,984,298; Dec. 11.
- Aronson, Edward A., Gary, Ind., assignor to National Tube Company. Gauge. 1,950,912; Mar. 13.
- Aronson, Harry, New York, N. Y. Woman's garment. 1,977,465; Oct. 16.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined pencil and pyrophoric lighter. Des. 92,996; Aug. 14.
- Aronson, Louis V., Newark, N. J. Safety razor. 1,955,482; Apr. 17.
- Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter arrangement. 1,941,873; Jan. 2.
- Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter arrangement. 1,943,505; Jan. 16.
- Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Pyrophoric lighting mechanism. 1,956,187; Apr. 24.
- Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Fueling arrangement for pyrophoric lighters. 1,961,577; June 5.
- Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Igniter torch. 1,965,275; July 3.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined safety razor and sharpening device. 1,966,425; July 17.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined safety razor and sharpening device. 1,966,426; July 17.
- Aronson, Louis V., Newark, N. J., assignor to Art-Metal Works, Inc. Cigarette dispensing device and associated mechanism. 1,969,112; Aug. 7.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Atomizer construction. 1,972,469; Sept. 4.
- Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Pencil and igniter. 1,975,531; Oct. 2.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pyrophoric lighting mechanism. 1,985,274; Dec. 25.
- Aronson, Peter R., Lakewood, Ohio, assignor to National Carbon Company, Inc. Apparatus for assembling electric cells. 1,945,673; Feb. 6.
- Arp, Ewald A., Minneapolis, Minn., assignor to Van Norman Machine Tool Company, Springfield, Mass. Equalizing boring guide. 1,954,034; Apr. 10.
- Arpin, John B., assignor of one-half to F. B. Fitch, Fort Lauderdale, Fla. Waterproof match. 1,961,920; June 5.
- Arragg, George M., assignor to Arlington Mills, Lawrence, Mass. Feeler. 1,985,396; Dec. 25.
- Arras, George, Chicago, Ill. Reflector. Des. 93,321; Sept. 18.
- Arras, George, Chicago, Ill. Lighting reflector. 1,946,465; Feb. 13.
- Arras, George, Chicago, Ill. Lighting fixture. 1,950,380; Mar. 13.
- Arras, George, and D. E. Worrell, Chicago, Ill. Fixture support. 1,975,068; Oct. 2.
- Arrault, Jules, Chalon-sur-Saone, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus for maintaining the thickness of drawn glass. 1,941,924; Jan. 2.
- Arrow Distilleries, Inc. (See Marcus, Julius, assignor.)
- Arrow Expansion Bolt Company, The. (See Flora, George R., assignor.)
- Arrow-Hart & Hegeman Electric Company. (See Guett, Monroe, assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Harrington, W. H., and Nero, assignors.)
- Arrow-Hart & Hegeman Electric Company, The. (See Johnson, David W., assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Nero, Arvid H., assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Paiste, Henry T., assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Perkins, Benjamin C., assignor.)
- Arsenault, Louis M., and A. W. Hutchinson, Saskatoon, Saskatchewan, Canada; said Arsenault assignor to said Hutchinson, and said Hutchinson assignor of twelve and one-half per cent to Mrs. S. Insull, Jr., Chicago, Ill., twelve and one-half per cent to D. S. Johnston, twelve and one-half per cent to G. F. Racine, and twelve and one-half per cent to A. J. Thomas, Montreal, Quebec, Canada. Seal. 1,954,342; Apr. 10.
- Arsenault, Patrice A., Mexico, Maine. Extensible table. 1,945,213; Jan. 30.
- Arst, Morris, Chicago, Ill. Combined coat and cap. 1,972,585; Sept. 4.
- Art Metal Construction Company. (See Jones, James R., assignor.)
- Art Metal Construction Company. (See Skar, J. G. L., and Johnson, assignors.)
- Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
- Art Metal Works, Inc. (See Deats, William, assignor.)
- Art Metal Works, Inc. (See Harris, Alexander, assignor.)
- Arth, Benjamin F. (See Siena, S. U., and Arth.)
- Arthuber, Charles, Chicago, Ill. Ash tray. 1,981,981; Nov. 27.
- Arthur, James F., Dickson City, Pa. Rack for supporting pipe-fitting nipples. 1,978,290; Oct. 23.
- Arthur, James L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition system. 1,957,127; May 1.
- Arthur, James L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition controller. 1,969,682; Aug. 7.
- Arthur, James L., Anderson, Ind., assignor, by mesne assignments to General Motors Corporation, Detroit, Mich. Ignition distributor rotor. 1,981,021; Nov. 20.
- Arthur, James M., Evanston, and C. A. Urbanek, assignors to Standard Oil Company, Chicago, Ill. Service station island or the like. Des. 92,692; July 10.
- Arthur, John, assignor to Holman Brothers Limited, Camborne, England. Pneumatic and like tool. 1,969,539; Aug. 7.
- Arthurs, Edward. (See Matthews, H., Warntjes, Arthurs, and Wilkinson.)
- Arthurton, Robert I. D. (See Cardwell, C. H., and Arthur-ton.)
- Arthuys, Jacques M., and A. Bayle, assignors to Société said Arthel (Société d'Exploitation des brevets Jacques Arthuys), Paris, France. Self regulating heliostat. 1,976,428; Oct. 9.
- Artloom Corporation. (See Beaty, Terence A., assignor.)
- Arttrip, William F., Winchester, assignor of one-half to J. W. Morgan, Riverton, Va. Potato planter. 1,959,560; May 22.
- Arttrip, William F., Winchester, assignor of one-half to J. W. Morgan, Riverton, Va. Potato planter. 1,959,561; May 22.
- Artsay, Nicholas, New York, N. Y. Governing and regulating apparatus. 1,977,980; Oct. 23.
- Arutunoff, Armais, Tulsa, Okla. Electric submergible pump unit. 1,951,919; Mar. 20.
- Arutunoff, Armais, Tulsa, Okla. Submergible electric cable and making same. 1,952,191; Mar. 27.
- Arutunoff, Armais, Tulsa, assignor to Reda Pump Company, Bartlesville, Okla. Oil filled submergible electric motor. 1,970,484; Aug. 14.
- Arveson, John T., St. Paul, Minn. Inking device for printing presses. 1,964,711; July 3.
- Arveson, Maurice H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Wax polish. 1,979,787; Nov. 6.
- Arvey Corporation. (See Horwath, Julius, assignor.)
- Arveyware Corporation. (See Blum, Jerome J., assignor.)
- Arvey-Ware Corporation. (See Hall, Richard E., assignor.)
- Arzmaier, Alfons, Berlin-Wilmersdorf, and A. Jaumann, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Circuit arrangement for thermionic receivers. 1,954,782; Apr. 17.
- Asahi Garasu Kabushiki Kaisha (Asahi Glass Co., Ltd.) (See Hara, Ryosaburo, assignor.)
- Asbestos Manufacturing Company. (See Evans, Richard J., assignor.)
- Ashbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company, Limited, Broadheath, near Manchester, England. Grinding or abrading machine. 1,949,345; Feb. 27.
- Asbury, Willard C. (See Russell, R. P., and Asbury.)
- Asch, Abraham B. (See Laughlin, W. C., and Asch.)
- Asch, Erich, Berlin-Sudende, Germany, assignor to Radio Patents Corporation, New York, N. Y. Continuous current amplifier. 1,960,689; May 29.
- Aschenbach, Emerson. (See Place, J. W., and Aschenbach.)
- Aschenbrener, Rudolph A., assignor to The Triple Insulaire Co., Milwaukee, Wis. Building insulation. 1,954,582; Apr. 10.
- Aschermann, Günther. (See Friederich E., and Aschermann.)
- Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,943,909; Jan. 16.
- Aseltine, Fred E., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,946,608; Feb. 13.
- Aseltine, Fred E., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 1,966,329; July 10.
- Aseltine, Fred E., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Carburetor. 1,976,912; Oct. 16.
- Aseltine, Fred E., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 1,978,664; Oct. 30.

- Asencio, Vicente A. L., Valencia, Spain. Drafting instrument. 1,979,724; Nov. 6.
- Ash, Charles S. (See Rosa, L. J., and Ash.)
- Ash, Charles S., Birmingham, Mich. Touring car body. Des. 91,259; Jan. 2.
- Ash, Charles S., assignor to California Packing Corporation, San Francisco, Calif. Making vinegar. 1,948,836; Feb. 27.
- Asn. Charles S., Royal Oak, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,973,161; Sept. 11.
- Ash, Charles S., Royal Oak, Mich. Road vehicle. 1,979,598; Nov. 6.
- Ash, Ernest A., deceased, by G. S. Ash, administratrix, assignor to G. S. Ash, Brooklyn, N. Y. Apparatus for music instruction. 1,970,161; Aug. 14.
- Ash, Gertrude S. (See Ash, Ernest A., assignor.)
- Ash, James W., Middletown, Ohio. Flower holder. 1,962,110; June 12.
- Ash, James W., Middletown, Ohio, assignor to The Miami Cabinet Company. Hose reel and similar device. 1,942,388; Jan. 2.
- Ash, James W., Middletown, Ohio, assignor to The Miami Cabinet Company. Razor blade receptacle. 1,953,037; Mar. 27.
- Ash, James W., Middletown, Ohio, assignor to The Philip Carey Manufacturing Company. Cigarette rolling machine. 1,982,365; Nov. 27.
- Ashaway Line and Twine Manufacturing Company. (See Holden, John W. W., assignor.)
- Ashba, Charles V. (See Berning, J. A., and Ashba.)
- Ashbaugh, John H., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ice tray. 1,973,033; Sept. 11.
- Ashbaugh, John H., Longmeadow, Mass., and A. C. Monteith, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,966,232; July 10.
- Ashbrook, Roy B., San Gabriel, and A. M. Burnett, Alhambra, Calif., assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,942,404; Jan. 9.
- Ashby, John T. (See Welch, S. A., Guyler, Ashby, and Boaler.)
- Ashby, William R. C., Ightham, England. Apparatus for eviscerating chickens and other birds. 1,984,562; Dec. 18.
- Ashco Corporation. (See Schmidt, Carl A., assignor.)
- Ashco Corporation. (See Schmidt, C. A., and Ashton, assignors.)
- Ashcraft, Clarence S., Los Angeles, Calif. Projection lamp. Des. 92,510; June 19.
- Ashcraft, Clarence S., Los Angeles, Calif. Electric arc and producing same. 1,983,430; Dec. 4.
- Ashdown, Albert J., Westminster, London, England. Vibratory tuning and regulating device. 1,975,308; Oct. 2.
- Ash, Marselius T., Garden City, N. Y. Container. 1,953,580; Apr. 3.
- Ash, Marselius T., Garden City, N. Y. Container. 1,976,209; Oct. 9.
- Asher, Anthony L., and W. G. Meyer, Milwaukee, Wis. Producing a uniformly colored cement. 1,963,540; June 19.
- Ashley, Carlyle M., South Orange, and V. S. Day, Summit, assignors to Carrier Research Corporation, Newark, N. J. Air conditioning unit. 1,948,156; Feb. 20.
- Ashley, Kenneth D. (See Romieux, C. J., and Ashley.)
- Ashley, Kenneth D., Elizabeth, and W. C. Hansen, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Controlling crystal size. 1,962,887; June 12.
- Ashlock, Ernest H., San Diego, Calif. Navigation instrument. 1,949,403; Mar. 6.
- Ashman, Alfred O. (See Bunce, E. H., and Ashman.)
- Ashmore, Leon H., Collingswood, assignor to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J. Pen and pencil clip. 1,975,775; Oct. 9.
- Ashtabula Corrugated Box Company, The. (See Sherman, Elroy P., assignor.)
- Ashton, Avon B. (See Schmidt, C. A., and Ashton.)
- Ashton, Ernest. (See Horn, R. W. P., and Ashton.)
- Ashton, Florence N., et al. (See Clancy, Frank F., assignor.)
- Ashton Valve Company, The. (See Hedeman, Walter R., assignor.)
- Ashton, Ward. (See Ker, J. O., and Ashton.)
- Ashton, Ward, Ottawa, Ontario, Canada. Bottle seal. 1,952,526; Mar. 27.
- Ashworth Advertising Company. (See Ashworth, John W., assignor.)
- Ashworth, Daniel I., Wappingers Falls, assignor to The De Laval Separator Company, New York, N. Y. Recovering solvent from sludge. 1,957,750; May 8.
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,950,386; Mar. 13.
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread supply and handling device. 1,983,161; Dec. 4.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,954,035; Apr. 10.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt tempering device. 1,972,970; Sept. 11.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,975,914; Oct. 9.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt tempering mechanism for shoe sewing machines. 1,981,940; Nov. 27.
- Ashworth, George B. (See Rohman, H. D., and Ashworth.)
- Ashworth, Harry E. (See Lazich, B., and Ashworth.)
- Ashworth, Harry E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,959,562; May 22.
- Ashworth, John W., New York, N. Y. Safety razor. 1,952,576; Mar. 27.
- Ashworth, John W., assignor to Ashworth Advertising Company, Incorporated, New York, N. Y. Safety razor. 1,942,911; Jan. 9.
- Ashworth, Walter W., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control system. 1,985,007; Dec. 18.
- Asire, Horace W. (See Catlin, A. A., and Asire.)
- Askania-Werke A. G. vormalis Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Möller, Waldemar, assignor.)
- Askania-Werke A. G. vormalis Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Möller, W., and Lorenz.)
- Askania-Werke A. G. vormalis Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Roux, Erwin, assignor.)
- Askania-Werke Akt. Ges. vorm. Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Wünsch, Guido, assignor.)
- Askania-Werke Aktiengesellschaft. (See Möller, Waldemar, assignor.)
- Askania-Werke, Aktiengesellschaft. (See Wünsch, Guido, assignor.)
- Askania-Werke Aktiengesellschaft, vormalis Centralwerkstatt Dessau und Carl Bamberg-Friedenau, et al. (See Stein, T., and Wünsch, assignors.)
- Aske, Irving E., Minneapolis, Minn. Air heater. 1,941,527; Jan. 2.
- Askenasy, Paul, Karlsruhe, Germany, C. Rossetti, Yverdon, Switzerland, and J. Tausz, Karlsruhe, Germany, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Making acetylene from higher saturated hydrocarbons. 1,951,961; Mar. 20.
- Askhaven, Sverre C., Brooklyn, N. Y. Air conditioning and refreshing system. 1,965,562; July 10.
- Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. 1,942,380; Jan. 2.
- Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Oil cooling radiator. 1,950,211; Mar. 6.
- Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Ventilating and air conditioning apparatus. 1,958,225; May 8.
- Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Condenser for refrigerating apparatus. 1,958,226; May 8.
- Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Unit heater. 1,973,678; Sept. 11.
- Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. 1,974,595; Sept. 25.
- Askin, Morris W., Washington, D. C. Radio plural program receiving system. 1,967,218; July 24.
- Asleson, Hans J., and O. S. McCormick, Minneapolis, Minn. Hanger. 1,976,595; Oct. 9.
- Asobe, Sotojiro, Kanazawashi, Japan. Japanning on concrete surfaces. 1,944,583; Jan. 23.
- Asociacion de Productores de Yodo de Chile. (See Hofmann, Karl A., assignor.)
- Aspenleiter, Joseph W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lens holder. 1,962,800; June 12.
- Asphalt Process Corporation. (See McFarland, Owen D., assignor.)
- Asphalt Process Corporation. (See Schillo, Louis C., assignor.)
- Asphalt Process Corporation. (See Topping, John A., assignor.)
- Asplund, August, San Francisco, Calif. Sugar dispenser. 1,943,199; Jan. 9.
- Asplund, August, San Francisco, Calif. Pan lifter. 1,985,811; Dec. 25.
- Asquith, William, Limited. (See Eastwood, Walter, assignor.)
- Assael and Arbib, Incorporated. (See Assael, Maurice M., assignor.)
- Assael, Maurice, assignor to Multi-Color Arts, Inc., New York, N. Y. Projecting colored images. 1,963,110; June 19.
- Assael, Maurice M., Paris, France, assignor to Assael and Arbib, Incorporated, New York, N. Y. Decorative product. Re19,103; Mar. 6.
- Asser, Erich, Wandsbek, Germany. Hardened resin. 1,969,292; Aug. 7.
- Assmus, Cyril O., New York, N. Y. Optical system. 1,981,492; Nov. 20.
- Associated Electric Laboratories, Inc. (See Anderson, Clarence A., assignor.)
- Associated Electric Laboratories, Inc. (See Ashbrook, R. B., and Burnett, assignors.)

- Associated Electric Laboratories, Inc. (See Bellamy, John I., assignor.)
- Associated Electric Laboratories, Inc. (See Crocker, Thomas F., assignor.)
- Associated Electric Laboratories, Inc. (See Crocker, T. F., and Tharp, assignors.)
- Associated Electric Laboratories, Inc. (See Doyle, Frederick W., assignor.)
- Associated Electric Laboratories, Inc. (See Erickson, John, assignor.)
- Associated Electric Laboratories, Inc. (See Hershey, Harry E., assignor.)
- Associated Electric Laboratories, Inc. (See Hudd, Alfred E., assignor.)
- Associated Electric Laboratories, Inc. (See Ide, Harry H., assignor.)
- Associated Electric Laboratories, Inc. (See James, Virgil E., assignor.)
- Associated Electric Laboratories, Inc. (See Kahn, Frederick L., assignor.)
- Associated Electric Laboratories, Inc. (See Kelly, John P., assignor.)
- Associated Electric Laboratories, Inc. (See Lesh, Laurence J., assignor.)
- Associated Electric Laboratories, Inc. (See Levy, Oscar C., assignor.)
- Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
- Associated Electric Laboratories, Inc. (See Martin, Carl L., assignor.)
- Associated Electric Laboratories, Inc. (See McCreary, Harold J., assignor.)
- Associated Electric Laboratories, Inc. (See Murray, James S., assignor.)
- Associated Electric Laboratories, Inc. (See Nelson, M. L., and Robinson, assignors.)
- Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
- Associated Electric Laboratories, Inc. (See Peterson, Edward S., assignor.)
- Associated Electric Laboratories, Inc. (See Richardson, Rodney G., assignor.)
- Associated Electric Laboratories, Inc. (See Rummelt, Reuben, assignor.)
- Associated Electric Laboratories, Inc. (See Ryall, Leonard E., assignor.)
- Associated Electric Laboratories, Inc. (See Saunders, Norman H., assignor.)
- Associated Electric Laboratories, Inc. (See Smith, Howard H., assignor.)
- Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)
- Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
- Associated Electrical Industries Limited. (See Bailey, Richard W., assignor.)
- Associated Electrical Industries, Limited. (See Brown, Walter J., assignor.)
- Associated Electrical Industries Limited. (See Burch, C. R., and Bancroft, assignors.)
- Associated Electrical Industries Limited. (See Robinson, Ernest Y., assignor.)
- Associated Manufacturers, Inc. (See Borton, Alwyn E., assignor.)
- Associated Oil Burner Co. (See Hofstatter, Allen, assignor.)
- Associated Oil Company. (See Lazar, Arthur, assignor.)
- Associated Oil Company. (See Lazar, A., and Evans, assignors.)
- Associated Patenteers, Inc. (See Borton, Alwyn E., assignor.)
- Associated Patents Corporation. (See Meller, Reginald B., assignor.)
- Associated Patents, Inc. (See Bennett, Arthur F., assignor.)
- Associated Patents, Inc. (See De Vlieg, Charles B., assignor.)
- Associated Press, The. (See Biele, Harry M., assignor.)
- Associated Silver Company. (See Herring, G. E., and Dean, assignors.)
- Associated Telephone and Telegraph Company. (See Baker, George T., assignor.)
- Associated Telephone and Telegraph Company. (See Belas, Francis T., assignor.)
- Associated Telephone and Telegraph Company. (See Belas, F. T., and Baker, assignors.)
- Associated Telephone and Telegraph Company. (See Kessler, F., Deyes, and Scowcroft, assignors.)
- Associated Telephone and Telegraph Company. (See Oliver, Ernest C., assignor.)
- Associated Telephone and Telegraph Company. (See Stehlik, Rudolph F., assignor.)
- Associated Telephone and Telegraph Company. (See Taylor, Reginald, assignor.)
- Association of American Soap & Glycerine Producers, Inc. (See Hoover, Kenneth H., assignor.)
- Asten, Eduard v., Eupen, Belgium. Endless belt and seam construction therefor. 1,948,411; Feb. 20.
- Asten, Eduard v., Hauset, Belgium. Porous textile fabric. 1,964,419; June 26.
- Aster, Johanna E., New York, N. Y. Cigarette holder. 1,983,013; Dec. 4.
- Astle, William, assignor to Cherry-Burrell Corporation, Little Falls, N. Y. Liquid handling apparatus. 1,963,519; June 19.
- Aston, William H., London, England. Carburetor. 1,953,384; Apr. 3.
- Astrawerke Aktiengesellschaft. (See Greve, John E. W., assignor.)
- Astrinidis, Thomas P., et al. (See Orfanos, George J., assignor.)
- Astrograph Corporation, The. (See Crabb, Earl L., assignor.)
- Åström, Bertil, Domnarvet, Sweden. Safety razor. 1,980,029; Nov. 6.
- Attack, Frederick W. (See Plauson, Hermann, assignor.)
- Atcheson, Windsor K., Columbus, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Brake equalizing means. 1,970,725; Aug. 21.
- Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerator cabinet. 1,973,518; Sept. 11.
- Ateliers de Constructions Electriques de Delle. (See Bresson, Charles, assignor.)
- Ateliers de Constructions Electriques de Delle. (See Clerc, André, assignor.)
- Ateliers Saint-Eloi, The firm of. (See Van Hille, Pierre, assignor.)
- Aten, Marion H., Burlingame, Calif. Massaging and shaving brush. 1,981,851; Nov. 27.
- Ater, James M., Chula Vista, Calif. Placer concentrating machine. 1,964,716; July 3.
- Atherton, Alfred L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sectional mercury-arc rectifier. 1,979,660; Nov. 6.
- Athey, George L. (See Bacon, Joseph B., assignor.)
- Athey, Isaac H., assignor to Athey Truss Wheel Co., Chicago, Ill. Truss wheel construction. 1,946,122; Feb. 6.
- Athey, Joseph W., Birmingham, England. Rotary core machine. 1,961,656; June 5.
- Athey Truss Wheel Co. (See Athey, Isaac H., assignor.)
- Athey Truss Wheel Co. (See Kuchar, Joseph, assignor.)
- Athletic Shoe Company. (See Shapiro, Isadore, assignor.)
- Athol Manufacturing Company. (See Alling, Guy E., assignor.)
- Atkin, Arthur D., Woodland, Calif. Composition of matter and making the same. 1,956,553; May 1.
- Atkin, Owen W. (See Hindley, H. C., and Atkin.)
- Atkins, E. C., & Company. (See Gommel, Dewey E., assignor.)
- Atkins, Frank P., Cincinnati, Ohio. Wick structure for wax lights and the like. 1,974,037; Sept. 18.
- Atkins, Harry C., Denver, Colo. Berry box cover. 1,956,819; May 1.
- Atkins, Hubert C., Hayes, England, assignor to Victor Talking Machine Company. Wireless receiver. 1,956,705; May 1.
- Atkins, Hubert C., Hayes, England, assignor to Victor Talking Machine Company. Wireless receiver. 1,976,001; Oct. 9.
- Atkins, Montie P., et al. (See Richards, James G., assignor.)
- Atkins, Samuel E., Duluth, Minn., and T. Carlson, Crystal Falls, Mich. Sampling device. 1,944,392; Jan. 23.
- Atkins, Thomas R., Cliftondale, Mass. Pull-over. 1,943,999; Jan. 16.
- Atkins, Thomas R., Cliftondale, Mass., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 93,905; Nov. 27.
- Atkinson, Albert L. (See Hays, D., and Atkinson.)
- Atkinson, F. R., Spring Co. (See Mayhew, K. W., and Holloway, assignors.)
- Atkinson, Franklin C., Enfield, Va. Automatic barrow elevator. 1,953,208; Apr. 3.
- Atkinson, George E., Proctorville, Ohio, assignor to Armstrong Appliance Corporation, Huntington, W. Va. Electrical cooking utensil. 1,982,410; Nov. 27.
- Atkinson, Lewis M., deceased, Pittsburg, Kans. C. O. Davis, administrator. Excavating machine. 1,973,136; Sept. 11.
- Atkinson, Ralph H., Acton, England, assignor to The International Nickel Company Inc., New York, N. Y. Electrodeposition of metals. 1,981,715; Nov. 20.
- Atkinson, Ralph L., Dorchester, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Gray burned brick and method of making. 1,949,524; Mar. 6.
- Atkinson, Ralph L., Dorchester, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Transfer process. 1,966,042; July 17.
- Atkinson, Ralph W., Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y. Cable installation. 1,965,540; July 3.
- Atlanta Harness and Reed Manufacturing Company. (See King, John L., assignor.)
- Atlantic Carton Corporation. (See Whitehead, Earl B., assignor.)
- Atlantic Coast Fisheries Company, The. (See Taylor, Harden F., assignor.)
- Atlantic Elevator Company. (See Borden, Joseph H., assignor.)
- Atlantic Elevator Company, Inc. (See Borden, J. H., and Kett, assignors.)
- Atlantic Lithographic & Printing Company, The. (See Carmichael, David M., assignor.)
- Atlantic Precision Instrument Company. (See Allen, A., and Callan, assignors.)
- Atlantic Products Corporation. (See Gihon, Harry D., 3d, assignor.)
- Atlantic Refining Company, The. (See Chillas, Richard B., jr., assignor.)
- Atlantic Refining Company, The. (See Ferris, Seymour W., assignor.)

- Atlantic Refining Company, The. (See Goldsmith, Lester M., assignor.)
- Atlantic Refining Company, The. (See Lawrence, Franklin I. L., assignor.)
- Atlantic Refining Company. (See Malisoff, William M., assignor.)
- Atlantic Refining Company, The. (See Perkins, Ivan M., assignor.)
- Atlantic Refining Company, The. (See Peterkin, Albert G., Jr., assignor.)
- Atlantic Refining Company, The. (See Quinn, Thomas W., assignor.)
- Atlantic Refining Company, The. (See Van Dusen, Frederick C., assignor.)
- Atlantic Service Company. (See Schaefer, Adolph O., assignor.)
- Atlantic Service Company, Inc. (See Laemmel, Charles A.)
- Atlantic Terra Cotta Company. (See Baldwin, Clement R., assignor.)
- Atlas-Ansonia Company, The. (See Wittstein, Herman L., assignor.)
- Atlas Bolt and Screw Company, The. (See Clarkson, Bradley E., assignor.)
- Atlas Drop Forge Company. (See Buckingham, Norris R., assignor.)
- Atlas Heating and Ventilating Co., Ltd. (See Tuck, George A., assignor.)
- Atlas Imperial Diesel Engine Company. (See Anderson, Roy F., assignor.)
- Atlas Imperial Diesel Engine Company. (See Gremminger, Ernest H., assignor.)
- Atlas Imperial Diesel Engine Company. (See Oetzel, John G., assignor.)
- Atlas Mineral Products Company, The. (See Gates, Edwin B., assignor.)
- Atlas Powder Company. (See Bucy, Edmond H., assignor.)
- Atlas Powder Company. (See Jeffries, John M., assignor.)
- Atlas Powder Company. (See Jessen, Charles C., assignor.)
- Atlas Powder Company. (See McFarland, David M., assignor.)
- Atlas Powder Company. (See Sanders, M. T., and Hales, assignors.)
- Atlas Press Company. (See Collins, James G., assignor.)
- Atlas Press Company. (See Musselman, Henry E., assignor.)
- Atlas Supply Company. (See Caldwell, Albert E., assignor.)
- Atlas-Werke Aktiengesellschaft. (See Fahrenkamp, Paul, assignor.)
- Atmospheric Nitrogen Corporation. (See Brown, Ralph L., assignor.)
- Atmospheric Nitrogen Corporation. (See Davis, John W., assignor.)
- Atmospheric Nitrogen Corporation. (See De Rewal, Frank J., assignor.)
- Atmospheric Nitrogen Corporation. (See Fogler, Mayor F., assignor.)
- Atmospheric Nitrogen Corporation. (See Rogers, Donald A., assignor.)
- Attenhofer, Adolf, Zurich, Switzerland. Ski binding. 1,964,103; June 26.
- Attensener, Waagenfabrik Albert Essmann & Co. (See Essman, Heinrich A. L., assignor.)
- Atterbury, Grosvenor, New York, N. Y. Camera. 1,947,510; Feb. 20.
- Atteslander, Edouard, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Fuel delivery device for internal combustion engines. 1,952,154; Mar. 27.
- Atteslander, Edouard, assignor to Firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Double-acting internal combustion engine. 1,956,940; May 1.
- Atteslander, Edouard, assignor to the firm: Sulzer Frères Société Anonyme, Winterthur, Switzerland. Frame for vertical reciprocating engines. 1,971,673; Aug. 28.
- Atti, Raphael, Union City, N. J., assignor, by mesne assignments, to L C Smith & Corona Typewriters Inc., New York, N. Y. Noiseless typewriter action. 1,948,955; Feb. 27.
- Atti, Raphael, Union City, N. J., assignor, by mesne assignments, to L C Smith & Corona Typewriters Inc., New York, N. Y. Noiseless typewriter action. 1,952,192; Mar. 27.
- Attick, Purdy E., and J. J. Bosshard, Chicago, assignors to Brasco Manufacturing Company, Harvey, Ill. Store front construction. 1,970,683; Aug. 21.
- Atwater, Christopher G., Tarrytown, assignor to The Barrett Company, New York, N. Y. Apparatus for fertilizing soil. 1,962,116; June 12.
- Atwater, Conway L. (See Constantine, M., and Atwater.)
- Atwater, Dale H., assignor to G. W. Lambert, Santa Fe, N. Mex. Signal fuse plug. 1,983,890; Dec. 11.
- Atwater Kent Manufacturing Company. (See Miller, John M.)
- Atwater Kent Manufacturing Company. (See Miller, J. M., and Tarzian, assignors.)
- Atwater Kent Manufacturing Company. (See Silva, Albert D., assignor.)
- Atwater Kent Manufacturing Company. (See Tarzian, Sarkes, assignor.)
- Atwell-Bradshaw Corporation. (See Peterson, Carl A., assignor.)
- Atwell, Clarence A. (See Renshaw, D. E., and Atwell.)
- Atwell, George J., assignor to George J. Atwell Foundation Corporation, New York, N. Y. Pile point. 1,960,888; May 29.
- Atwell, George J., assignor to George J. Atwell Foundation Corporation, New York, N. Y. Displacement pump for piles. 1,962,473; June 12.
- Atwell, George J., Foundation Corporation. (See Atwell, George J., assignor.)
- Atwell, Harold V. (See Voorhees, V., and Atwell.)
- Atwell, Harold V., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Quick freezing process and refrigerant. 1,944,857; Jan. 23.
- Atwell, Harold V., Bayside, N. Y., assignor to Standard Oil Company, Chicago, Ill. Air conditioning. 1,974,145; Sept. 18.
- Atwell, Harold V., Bayside, N. Y., assignor to Standard Oil Company, Chicago, Ill. Separating wax from oils. 1,976,535; Oct. 9.
- Atwood, Aliston W. and H. B., Buffalo, N. Y. Support for thread guides. 1,964,377; June 26.
- Atwood, Byron T. (See Hose, A., and Atwood.)
- Atwood, Clifford, assignor of one-half to F. M. Smith, Oakland, Calif. Rear view mirror. 1,961,895; June 5.
- Atwood, George F. (See Henwood, Wilson C., assignor.)
- Atwood, George W. (See Neunherz, H. W., and Atwood.)
- Atwood, Harry D., Rockford, Ill., assignor of one-half to J. C. Trimby, Detroit, Mich. Copy printing machine. 1,968,814; Aug. 7.
- Atwood, Hyatt B. (See Atwood, Aliston W. and H. B.)
- Atwood, James T., Rockford, Ill. Hinge. 1,950,443; Mar. 13.
- Atwood, James T., Rockford, Ill. Hinge. 1,950,873; Mar. 13.
- Atwood, James T., Rockford, Ill. Hinge. 1,950,874; Mar. 13.
- Atwood Machine Company, The. (See Rowe, Irving R., assignor.)
- Atwood & Morrill Co. (See Hose, Alexander V., assignor.)
- Atwood & Morrill Co. (See Hose, A., and Atwood, assignors.)
- Atwood Vacuum Machine Company, The. (See Johnson, George H., assignor.)
- Atwood Vacuum Machine Company. (See Perry, Ira D., assignor.)
- Atwood, Walter F., Amarillo, Tex. Valve gear. 1,974,094; Sept. 18.
- Atwood, Winfield A., Yeadon, Pa., assignor to General Electric Company. Electric switch. 1,945,389; Jan. 30.
- Aubé, Jean, Paris, France, assignor, by mesne assignments, to The Buell Combustion Company Limited, Aldwich-London, England. Air separator. 1,977,539; Oct. 16.
- Auberger, Thomas, Paris, France. Apparatus for massaging purposes. 1,965,918; July 10.
- Aubert, Roger. (See Villem, R., and Aubert.)
- Aubert, Roger, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Automatic volume control. 1,978,184; Oct. 23.
- Aubert, Roger, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Heterodyne system. 1,978,446; Oct. 30.
- Aubertin, Ovila, Masson, Quebec, Canada. Portable door-lock. 1,971,440; Aug. 28.
- Aubin, Amos J. (See Bessmer, W. A., and Aubin.)
- Aubuchon, William N. (Tampton) Jr., New York, N. Y. Method of and apparatus for producing motion pictures. 1,945,721; Feb. 6.
- Aubuchon, William N. (Tampton), Jr., New York, N. Y. Method of and apparatus for producing motion pictures. 1,945,722; Feb. 6.
- Auch, Charles T., Hammond, Ind. Box or carton. 1,953,385; Apr. 3.
- Audet, Alfred, Salem, Mass. Building set. 1,958,508; May 15.
- Auditorium Conditioning Corporation. (See Carrier, Willis H., assignor.)
- Auditorium Conditioning Corporation. (See Fleisher, Walter L., assignor.)
- Auditorium Conditioning Corporation. (See Lewis, Leo L., assignor.)
- Audrey, George. (See Lundeen, E. T., and Audrey.)
- Audubert, René, Rueil (Seine and Oise), France. Current rectifier. 1,961,729; June 5.
- Auer, László, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C., trustee. Manufacture of modified oil products from fatty oils. 1,957,437; May 8.
- Auer, László, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C. Solidification of organic isocoldes containing unsaturated high molecular acids. 1,980,366; Nov. 13.
- Auer, László, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C. Modification of the physical properties of resins. 1,980,367; Nov. 13.
- Auer, László, Budapest, Hungary, assignor to J. R. Newman, Washington, D. C., a trustee. Manufacture of vulcanized heat-bodied fatty oils. 1,985,231; Dec. 25.
- Auer, László, Manchester, England, assignor to J. R. Newman, Washington, D. C., as trustee. Manufacture of modified oil products from fatty oils. 1,985,230; Dec. 25.
- Auer, László, and L. Susztek, Budapest, Hungary. Manufacture of thickened, bodied oil products from fatty oils. 1,983,065; June 19.

- Auerbach, Maurice J., Cleveland, Ohio, assignor of one-half to M. S. Greenwald. Adjustable lamp shade support. 1,946,959; Feb. 13.
- Auerbach, Rudolf. (See Schwedenberg, T., and Auerbach.)
- Auerbach, Zemach, New York, N. Y. Filing cabinet. 1,943,577; Jan. 16.
- Auerbach, Zemach, New York, N. Y. Record device. 1,974,004; Sept. 18.
- Auerbach, Zemach, New York, N. Y. Record device. 1,974,005; Sept. 18.
- Auerhahn, Albert, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purification of acetylene. 1,960,326; May 29.
- Auffero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile body heater. Des. 92,832; July 24.
- Auffero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile body heater. Des. 93,262; Sept. 11.
- Auffero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 1,945,252; Jan. 30.
- Auffero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Motor. 1,978,484; Oct. 30.
- Auffricht, Gustave, New York, N. Y. Leakproof collapsible tube. 1,944,589; Jan. 23.
- Aug, Alphons P., assignor to Superior Electric Products Corporation, St. Louis, Mo. Electrical heating unit. 1,974,908; Sept. 25.
- Augier, Jean A. (See Belfils, G., and Augier.)
- Augier, Jean A., and P. G. Laurent, Belfort, France, assignors to General Electric Company. Electric valve frequency changing system. 1,955,524; Apr. 17.
- August, Leslie E., assignor to Consolidated Steel Corporation, Los Angeles, Calif. Automatic welding device and method. 1,954,343; Apr. 10.
- August, Wendell, Grove City, J. McCausland, Falls Creek, and H. J. Chapin, Brockway, assignors to Wendell August Forge Incorporated, Grove City, Pa. Forming ornamental relief figures. 1,971,700; Aug. 28.
- August, Wendell, Forge Incorporated. (See August, W., McCausland, and Chapin, assignors.)
- Augustin, Charles, and T. P. Carroll, St. Louis, Mo. Collapsible flowerpot. 1,951,642; Mar. 20.
- Augustine, Harold B., Kenmore, assignor to H. B. Augustine, trustee of the Uniflow Syndicate, Buffalo, N. Y. Internal-combustion engine. 1,978,335; Oct. 23.
- Aulbach, Charles J. (See Punte, W. F., and Aulbach.)
- Aulbach, Charles J., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Mechanism for applying elastic gaskets to containers. 1,971,334; Aug. 28.
- Auld, Donald W., assignor to Phillips Petroleum Company, Bartlesville, Okla. Turnbuckle for jack pumping systems. 1,978,336; Oct. 23.
- Ault, Edson D. (See Griffith, W. L., and Ault.)
- Ault & Wiborg Corporation. (See Corbin, Milford H., assignor.)
- Ault, Winton M. (See Griffith, W. L., and Ault, assignor.)
- Aultman, Paul M., and A. C. Bowers, Greensburg, Pa., assignors to Pennsylvania Rubber Company. Producing athletic balls. 1,942,993; Jan. 9.
- Auman, James D., Nazareth, Pa. Radiator. 1,954,556; Apr. 10.
- Aune, Richard J., Fergus Falls, Minn. Windshield heater. 1,976,276; Oct. 9.
- Auperin, Jean G., Brooklyn, N. Y. Automobile locking device. 1,948,196; Feb. 20.
- Aupke, Benjamin H., Pittsburgh, Pa. Lid and retaining means therefor. 1,947,149; Feb. 13.
- Aurand, Frank E., Oak Park, Ill. Bushing. 1,955,165; Apr. 17.
- Aurien, George, St. Louis County, Mo., assignor to Mississippi Glass Company, New York, N. Y. Apparatus for scoring corrugated glass sheets. 1,965,065; July 3.
- Aurien, Ray G., assignor to American Steel Foundries, Chicago, Ill. Unit cylinder clasp brake. 1,952,649; Mar. 27.
- Aurynger, John J., Takoma Park, Md. Variable condenser. 1,949,137; Feb. 27.
- Ausbrooks, James A., Florence, Ala. Cigarette stub pulling and extinguishing device. 1,968,118; July 31.
- Aust, William G., Milwaukee, Wis. Protector trap for entrail hashers. 1,984,106; Dec. 11.
- Austenal Laboratories, Inc. (See Erdle, R. W., and Prange, assignors.)
- Austenal Laboratories, Inc. (See Prange, Charles H., assignor.)
- Austerweil, Géza, and C. Jeanprost, Paris, France. Preparation, separation, and purification of salts, salt solutions, and other solutions. 1,978,447; Oct. 30.
- Austin, Arthur O., near Barberton, Ohio. Coating and heat treating. 1,976,596; Oct. 9.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line. 1,941,731; Jan. 2.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Diverting energy from transmission lines. 1,941,732; Jan. 2.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,950,646; Mar. 13.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Centrifugal machine. 1,959,850; May 22.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 1,967,653; July 24.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,967,654; July 24.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Radiotower. 1,968,868; Aug. 7.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electric switch. 1,968,869; Aug. 7.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Arcing guide for insulators. 1,972,613; Sept. 4.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,972,614; Sept. 4.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Strain insulator. 1,972,615; Sept. 4.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Electrostatic shield. 1,972,616; Sept. 4.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,979,092; Oct. 30.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulation for electrical apparatus. 1,981,716; Nov. 20.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,981,717; Nov. 20.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Forming insulator caps. 1,983,334; Dec. 4.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 1,983,335; Dec. 4.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Pothead. 1,983,336; Dec. 4.
- Austin, Arthur O., near Barberton, and W. A. Hillebrand, Akron, assignors, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. High voltage transmission line connections. 1,967,652; July 24.
- Austin Company, The. (See Austin, Wilbert J., assignor.)
- Austin, Dwight E., assignor to General Motors Truck Corporation, Pontiac, Mich. Seat and berth construction. 1,976,320; Oct. 9.
- Austin, Gene, Minden, La. Airplane sky sled. 1,980,246; Nov. 13.
- Austin, George C., Alhambra, assignor, by mesne assignments, to L. W. Christophel, Redondo Beach, Calif. Piston. 1,966,701; July 17.
- Austin, Harold E., assignor to American Creosoting Company, Louisville, Ky. Driving cap for fence posts. 1,964,657; June 26.
- Austin, Harold R., South Norwalk, Conn., assignor to M. W. Kellogg Co., New York, N. Y. X-ray apparatus. 1,983,014; Dec. 4.
- Austin, Harvey B., Narberth, Pa., assignor of one-half to G. A. Thomson, Somerville, N. J. Electric switch. 1,979,852; Nov. 6.
- Austin, Herbert, Bromsgrove, England. Change speed gear for use more especially with motor road vehicles. 1,973,553; Sept. 11.
- Austin, John B., East Cleveland, assignor to Una Welding, Inc., Cleveland, Ohio. Welding rod. 1,949,398; Feb. 27.
- Austin, John B., Cleveland Heights, assignor to Una Welding, Incorporated, Cleveland, Ohio. Welding electrode. 1,967,491; July 24.
- Austin, Louis L., Philadelphia, Pa. Water cooler. 1,942,741; Jan. 9.
- Austin, Louis L., Philadelphia, Pa. Water cooler. 1,942,742; Jan. 9.
- Austin Machinery Corporation. (See Seyferth, O. A., and Swanson, assignors.)
- Austin Machinery Corporation. (See Swanson, Hilbert E., assignor.)
- Austin Manufacturing Co. (See Beatty W. T., and Wilson, assignors.)
- Austin, Miner M., Waukegan, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Biplate metal. 1,943,853; Jan. 16.
- Austin, Raymond L., assignor to Bova and Seyfang Manufacturing Company, Bradford, Pa. Pumping jack. 1,953,903; Apr. 3.
- Austin, Walter M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,942,678; Jan. 9.
- Austin, Walter M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carbon contact. 1,972,284; Sept. 4.
- Austin, Wilbert J., Shaker Heights, assignor to The Austin Company, Cleveland, Ohio. Gearing. 1,957,989; May 8.
- Austin, Wilbert J., Shaker Heights, assignor to The Austin Company, East Cleveland, Ohio. Canopy door. 1,957,990; May 8.
- Austin, William S. (See Carl, B. E., and Austin.)
- Austral Window Company. (See Ellison, Edward H., assignor.)
- Austro-Daimler-Puchwerke A. G. (See Kasper, Walter F., assignor.)

- Autem, Fred, assignor to Textile Machine Works, Wyomissing, Pa. Driving mechanism for rotary braiders. 1,949,854; Mar. 6.
- Autem, Fred, assignor to Textile Machine Works, Wyomissing, Pa. Stop mechanism for braiding machines. 1,959,403; May 22.
- Autler, Arthur, et al. (See Hamill, Ret O., assignor.)
- Autler, Grover, et al. (See Hamill, Ret O., assignor.)
- Autocal Company, The. (See Smith, Boyd H., assignor.)
- Auto Comfort Products Company. (See Florich, John F., and V. P., assignors.)
- Auto Dairy Pioneers Limited. (See Enock, Arthur C., assignor.)
- Autogas Corporation. (See Cunningham, Arthur B., assignor.)
- Autogas Corporation. (See Wetherbee, Asher U., assignor.)
- Autogiro Company of America. (See Campbell, Harris S., assignor.)
- Autogiro Company of America. (See de la Cierva, Juan, assignor.)
- Autogiro Company of America. (See Larsen, Agnew E., assignor.)
- Autogiro Company of America. (See Pecker, Joseph S., assignor.)
- Autogiro Company of America. (See Pitcairn, Harold F., assignor.)
- Autographic Register Company. (See Antrim, Louis C., assignor.)
- Autographic Register Company. (See Borchers, William G., assignor.)
- Autographic Register Company. (See Brenn, Carl W., assignor.)
- Autographic Register Company. (See Johnson, Arthur A., assignor.)
- Automatic Appliance Company, The. (See Nivling, Walter A., assignor.)
- Automatic Brake Corporation. (See Libbey, Frederick L., assignor.)
- Automatic Bread Baking Company. (See Raith, Jacob L., assignor.)
- Automatic Burner Corporation. (See Perry, Stanley, assignor.)
- Automatic Cabinets, Inc. (See Bonaccolta, L., and Noodleman, assignors.)
- Automatic Coil Winder & Electrical Equipment Company, The. (See Macadie, Hugh S., assignor.)
- Automatic Drive and Transmission Company. (See Heinrich, Charles B., assignor.)
- Automatic Drive and Transmission Company. (See Vail, Henry H., assignor.)
- Automatic Electric Company Limited. (See Roseby, Philip N., assignor.)
- Automatic Electric Company Limited. (See Saxby, Robert N., assignor.)
- Automatic Electric Company Limited. (See Saxby, R. N., and Smith, assignors.)
- Automatic Electric Company, Limited. (See Wicks, John, assignor.)
- Automatic Fire Alarm Company. (See Deary, Edward J., assignor.)
- Automatic Fire Extinguisher and Alarm Corporation. (See Pohl, Ernest F., assignor.)
- Automatic Fluid Distributing Company (Proprietary) Limited. (See Getaz, Emile, assignor.)
- Automatic Gas-Steam Radiator Company. (See Blackmore, James S., assignor.)
- Automatic Hose Coupling Company. (See Shippee, Charles W., assignor.)
- Automatic Lighter Corporation. (See Bickart, Monroe L., assignor.)
- Automatic Motor Stop and Start, Inc. (See Good, John, assignor.)
- Automatic Mutual Ticket Protector Corporation. (See Guth, Fred O., assignor.)
- Automatic Paper Machinery Co. Inc. (See Marcalus, Nicholas, assignor.)
- Automatic Projector-Operator Inc. (See Fenner, H. H., and Silvius, assignors.)
- Automatic Reclosing Circuit Breaker Company, The. (See Grooms, Albert O.)
- Automatic Reclosing Circuit Breaker Company, The. (See Raney, Estel C., assignor.)
- "Automatic" Sprinkler Company. (See Richards, Benjamin, assignor.)
- Automatic Sprinkler Company of America. (See Hamilton, John R., assignor.)
- Automatic Sprinkler Company of America. (See Hamilton, J. R., and Lowe, assignors.)
- Automatic Sprinkler Company of America. (See Lowe, Ernest A., assignor.)
- Automatic Sprinkler Company of America. (See Lowe, E. A., and Hamilton, assignors.)
- Automatic Sterilizers Ltd. (See Schnee, Emil, assignor.)
- Automatic Switch and Signal Corporation. (See Lewis, Lester L., assignor.)
- Automatic Temperature Control Co. (See Wilhjelm, Christian, assignor.)
- Automatic Temperature Control Co., Inc. (See Johanson, G. H., and Froelich, assignors.)
- Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
- Automatic Washer Company, et al. (See Stokes, Oscar E., assignor.)
- Automatic Water Softener Company. (See Dotterweich, Andrew J., assignor.)
- Automatic Woven Wire Supply Co. (See Leonard, Everett W., assignor.)
- Automobile Ventilation, Inc. (See Toncray, Millard H., assignor.)
- Auto-Mold, Inc. (See Burke, James P., assignor.)
- Automotive Engineering Corporation. (See Fageol, Rollie B., assignor.)
- Automotive Engineering Corporation. (See Rayburn, Alden G., assignor.)
- Automotive Fan & Bearing Co. (See Hollerith, Charles, assignor.)
- Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
- Automotive Patents Corporation. (See Tower, Elmer V. J., assignor.)
- Automotive Research Corporation. (See Thompson, Fred C., assignor.)
- Autopoint Company. (See Deli, Frank C., assignor.)
- Autopoint Company. (See Du Bois, Cornelius M., assignor.)
- Autorem, S. A. (See Henry, Georges L., assignor.)
- Auto Research Corporation. (See Bijur, Joseph, assignor.)
- Auto Research Corporation. (See Bloom, Edgar J., assignor.)
- Auto Research Corporation. (See Booth, Frederick C., assignor.)
- Auto Research Corporation. (See Bujur, Joseph, assignor.)
- Auto Research Corporation. (See Higham, William H. M., assignor.)
- Auto Research Corporation. (See Kocher, Edward H., assignor.)
- Auto Research Corporation. (See Thomas, Thomas R., assignor.)
- Authorist S A Autorist Limited. (See Farret, Jacques, assignor.)
- Auto-Wheel Coaster Company, Inc. (See Klatt, Rudolph, assignor.)
- Autoyre Company, The. (See Mosgrove, Charles A., assignor.)
- Autoyre Company, Incorporated, The. (See Mosgrove, C. A., and Meserole, assignors.)
- Au-Vol-Col Corporation. (See Collison, John G., assignor.)
- Avedon, Harvey, East Elmhurst, N. Y. Lighter. Des. 92,283; May 22.
- Averan, André. (See Kitroser, I., and Averan.)
- Averill, Earl A., Scarsdale, N. Y. Weighing device. 1,949,855; Mar. 6.
- Averin, Vladimir, New York, N. Y. Hydraulic transmission. 1,954,793; Apr. 17.
- Avery, Alfred H., Malden, assignor to North American Chemical Company, Cambridge, Mass. Shoe bottom filling machine. 1,947,963; Feb. 20.
- Avery, Alfred H., Malden, assignor to The Perfection Marker Company, Cambridge, Mass. Marking machine. 1,972,860; Sept. 11.
- Avery, Charles E., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Pull socket. 1,948,495; Feb. 27.
- Avery, Charles E., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Rotary snap switch. 1,964,717; July 3.
- Avery, Charles E., assignor to H. Hubbell, Incorporated, Bridgeport, Conn. Candle pull socket. 1,976,712; Oct. 16.
- Avery, Clarence W., Detroit, Mich., assignor to The Murray Corporation of America. Barrel. 1,948,837; Feb. 27.
- Avery, Clarence W., Detroit, Mich., assignor to The Murray Corporation of America. Steel automobile door. 1,952,485; Mar. 27.
- Avery, E. K. (See Benario, August, assignor.)
- Avery, Frederick J. (See Howell, R. C., and Avery.)
- Avery, Gordon R., Westfield, and H. Kress, Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for drying insulated wire. 1,969,666; Aug. 7.
- Avery, Harold T., Oakland, Calif. Latitude and longitude meter. 1,963,457; June 19.
- Avery, Henry A., Groton, assignor to L C Smith & Corona Typewriters Inc., New York, N. Y. Typewriting machine. 1,969,773; Aug. 14.
- Avery, Henry A., Groton, assignor to L C Smith & Corona Typewriters Inc., New York, N. Y. Typewriting machine. 1,981,982; Nov. 27.
- Avery, Henry A., Groton, assignor to L C Smith & Corona Typewriters Inc., Syracuse, N. Y. Back spacing mechanism. 1,983,831; Dec. 11.
- Avery, Henry C., New Brunswick, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Tapered roofing shingle. 1,952,962; Mar. 27.
- Avery, John M., Flushing, N. J., assignor, by mesne assignments, to Radio Corporation of America. Method and apparatus for amplifying frequency currents. 1,957,752; May 8.
- Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Printing machine. 1,963,041; June 12.
- Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Inking mechanism for printing machines. 1,963,042; June 12.

- Avery, True M., Glens Falls, assignor to Union Bag Paper Corporation, Hudson Falls, N. Y. Bag making machine. 1,967,212; July 24.
- Avery, True M., Glens Falls, N. Y., and W. M. Seitzinger, Chicago, Ill., assignors to Union Bag and Paper Corporation, Hudson Falls, N. Y. Inking means for printing mechanism. 1,945,498; Jan. 30.
- Avery, William L., Bishop's Stortford, England, assignor to United States Rubber Company. Apparatus and process for the manufacture of pneumatic tires. 1,980,567; Nov. 13.
- Avery, W. & T., Limited. (See Benton, William A., assignor.)
- Avery, W. & T., Limited. (See Timson, William, assignor.)
- Avey Drilling Machine Company, The. (See Hey, John G., assignor.)
- Aviation Patent and Research Corporation. (See Beard, Myron G., assignor.)
- Avignon, Edouard G., Vitry-sur-Seine, France. Hoeing tractive engine. 1,959,942; May 22.
- Avite Products, Inc. (See Trafton, Ernest E., assignor.)
- Awa, William O., and C. Klemme, San Francisco, Calif. Fruit pitting machine. 1,949,641; Mar. 6.
- Awa, William O., and C. Klemme, San Francisco, Calif. Fruit pitting machine. 1,949,642; Mar. 6.
- Awbrey, Samuel C., assignor to Floor Accessories Company, Inc., Kansas City, Mo. Mold form structure. 1,943,361; Jan. 16.
- Axe, Roy T. (See Edwards, O. M., and Axe.)
- Axe, Roy T., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y., trustee. Window sash construction. 1,959,148; May 15.
- Axe, Roy T., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y. Weather strip and mounting for railway car and bus window frames. 1,965,211; July 3.
- Axe, Roy T., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y. Sheet metal sash construction. 1,965,519; July 3.
- Axe, Roy T., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y., trustee. Window construction (widthwise adjustable guide). 1,974,637; Sept. 25.
- Axe, Roy T., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y., trustee. Anti-creeeping device for weather or buffer strips. 1,974,638; Sept. 25.
- Axe, Roy T., assignor, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y., trustee. Window post and guide construction. 1,980,313; Nov. 13.
- Axelsson, Nils E., assignor of one-half to A. P. Madden, Syracuse, N. Y. Combined cigarette case and lighter. 1,966,914; July 17.
- Axlen, Leo, Altona-on-the-Elbe, Germany. Flexible coupling. 1,952,232; Mar. 27.
- Axtell, Clinton J., Erie, Pa., assignor to General Electric Company. Electrical system. 1,964,553; June 26.
- Axtell, Clinton J., Erie, Pa., assignor to General Electric Company. System of motor control. 1,985,070; Dec. 13.
- Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Tomato coring machine. 1,982,779; Dec. 4.
- Ayars Machine Company. (See Ayars, Charles H., assignor.)
- Aydelott, John C., Erie, Pa., assignor to General Electric Company. Fabricated dynamo-electric machine. 1,967,854; July 24.
- Aydelotte, Charles J., Wilmington, Del., W. R. Caverly, Carneys Point, N. J., and W. H. Wright, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Removing sodium hydroxide from mixtures thereof with potassium hydroxide. 1,982,241; Nov. 27.
- Ayer, Darrell P., Lead, S. Dak. Mine shaft ore skip and cage changing device. 1,949,399; Mar. 6.
- Ayers, Augustine R. (See Pfleger, H. M., and Ayers.)
- Ayers, Augustine R., and G. S. Vail, Cleveland, Ohio. Tender frame structure. 1,985,711; Dec. 25.
- Ayers, Augustine R., and D. R. MacBain, Cleveland, Ohio, assignors to The Okadee Company, Chicago, Ill. Water gauge protector. 1,965,820; July 10.
- Ayers, Fred L., Portland, Maine, assignor to Brown Company, Berlin, N. H. Shoemaking. 1,956,969; May 1.
- Ayers, Joseph W., assignor to C. K. Williams & Company, Easton, Pa. Pigment. 1,964,682; June 26.
- Ayers, Joseph W., assignor to C. K. Williams & Company, Easton, Pa. Pigment. 1,964,683; June 26.
- Ayers, Robert C. (See Rovere, L. H., Mott, and Ayers.)
- Ayerst, Douglas B. (See Allen, H. I., and Ayerst.)
- Ayotte, Joseph R., assignor to H. F. Leopold, Chicago, Ill. Igniting device. 1,981,022; Nov. 20.
- Ayling & Reichert Company, The. (See Manchester, Clyde C., assignor.)
- Aylor, Frank O., Cincinnati, Ohio. Ash tray. Des. 91,260; Jan. 2.
- Aymar, Eugene F., New York, N. Y. Signal device. 1,958,023; May 8.
- Aymar, James E. (See Charles, L. E., and Aymar.)
- Aza Mfg Co. (See Feinstein, Morris A., assignor.)
- B. & B. Shoe Company. (See Golden, Louis J., assignor.)
- B. & D. Manufacturing Company. (See Buckman, Harold W., assignor.)
- B. & G. Coin Selectors, Incorporated. (See Gottfried John, assignor.)
- B. G. Corporation, The. (See Paulson, George M., assignor.)
- B. G. Corporation, The. (See Payne, H. F., and Paulson, assignors.)
- B. H. R. Company. (See Hoover, Joseph C., assignor.)
- B. M. F. Company. (See Briscoe, Walter D., assignor.)
- B. O. T. Manufacturing Company. (See Tilden, Bert O., assignor.)
- BRE Manufacturing Co. (See Leslie, Howard C., assignor.)
- B. S. A. Tools Limited. (See Ogilvie, William, assignor.)
- B-T-A Sanitary Toothpick Dispenser Co. Inc. (See Kaparin, O., and Bauman, assignors.)
- B. V. D. Company, The. (See Erlanger, Milton S., assignor.)
- B. V. D. Company, Inc., The. (See Heyn, Robert E., assignor.)
- Baar, Louis, Los Angeles, Calif. Dispensing device. 1,950,769; Mar. 13.
- Baars, Ernst S. H. (See Sloan, H., Baars, and Bach.)
- Baars, Ernst S. H., Milwaukee, Wis., and W. G. E. Rolaff, Kirkwood, Mo.; said Baars assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigerating coil. 1,957,036; May 1.
- Babbitt, Arland W., New Brighton, N. Y. Unit of insulation. 1,984,007; Dec. 11.
- Babbitt, Elwin J., West Los Angeles, Calif. Swimming device. 1,971,844; Aug. 28.
- Babbitt, Herbert S., Baldwin, N. Y., assignor to the Government of United States, represented by the Secretary of the Navy. Illuminating projectile. 1,943,292; Jan. 16.
- Babcock, Arthur H. (See Babcock, Erlow T. and A. H.)
- Babcock, Erlow T. and A. H., North Loup, Nebr. Liquid fuel burner. 1,941,820; Jan. 2.
- Babcock, Guilford C., Morris Township, Morris County, and E. R. Stivers, Rockaway, N. J., assignors to Stamping Machines Co. Box and crate. 1,956,970; May 1.
- Babcock, Henry H., Oak Park, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Corrugating tubing. 1,946,472; Feb. 13.
- Babcock, Henry S., et al. (See French, John P., assignor.)
- Babcock, Ira J., Chicago, Ill. Rotary disk valve. 1,951,121; Mar. 13.
- Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)
- Babcock & Wilcox Co. (See Cross, Walter M., assignor.)
- Babcock & Wilcox Company, The. (See Fletcher, James, assignor.)
- Babcock & Wilcox Company, The. (See Fletcher, J., and Dickey, assignors.)
- Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)
- Babcock & Wilcox Company. (See Harter, Isaac, assignor.)
- Babcock & Wilcox Company, The. (See Heigh, William, assignor.)
- Babcock & Wilcox Company, The. (See Hodge, J. C., and Christensen, assignors.)
- Babcock & Wilcox Company, The. (See Hutton, Frank E., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, D. S., and Black, assignors.)
- Babcock & Wilcox Company, The. (See Jones, William A., assignor.)
- Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
- Babcock & Wilcox Company, The. (See Kerr, H. J., and Jones, assignors.)
- Babcock & Wilcox Company, The. (See Kerr, H. J., Prentice and Jones, assignors.)
- Babcock & Wilcox Company, The. (See Kerr, H. J., and Trainer, assignors.)
- Babcock & Wilcox Company, The. (See Langvand, Ivar L., assignor.)
- Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
- Babcock & Wilcox Company, The. (See Lucke, C. E., and Black, assignors.)
- Babcock & Wilcox Company. (See Norton, Charles L., assignor.)
- Babcock & Wilcox Company, The. (See Norton, C. L., Richardson, and Bateman, Jr., assignors.)
- Babcock & Wilcox Company, The. (See Parker, Alfred E., assignor.)
- Babcock & Wilcox Company, The. (See Stelling, Henry, assignor.)
- Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)
- Babcock & Wilcox Company. (See Summers, George, assignor.)
- Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)
- Babcock & Wilcox Company, The. (See Trainer, J. E., and Day, assignors.)
- Babcock & Wilcox Company, The. (See Trainer, J. E., and Miller, assignors.)
- Babcock & Wilcox Company, The. (See Weston, Sydney F., assignor.)
- Babendreer, Albert I., and W. F. Dale, Ocean Springs, Miss. Apparatus for introducing lubricating oil into gasoline. 1,946,473; Feb. 13.
- Baber, Eugene S., Indianapolis, Ind. Trailer coupling. 1,947,030; Feb. 13.

- Babin, Maxwell M., Brooklyn, N. Y. Buckle for shoe. Des. 93,599; Oct. 16.
- Babin, Maxwell M., Brooklyn, N. Y. Shoe. Des. 93,600; Oct. 16.
- Babin, Whitney C., assignor to Beaumont Texan Tool Company, Beaumont, Tex. Make-up tong. 1,984,621; Dec. 18.
- Babin, Whitney C., assignor to Beaumont Texan Tool Company, Beaumont, Tex. Combination make-up and break-out tong. 1,984,622; Dec. 18.
- Babin, Whitney C., and R. A. Ames, assignors to Beaumont Texan Tool Company, Beaumont, Tex. Automatic tong. 1,984,623; Dec. 18.
- Babinet, Marie L. A., Boulogne-sur-Seine, France, assignor, by mesne assignments, to The Nitricastiron Corporation. Surface hardened cast iron article of manufacture. 1,972,082; Sept. 4.
- Babitch, Abraham M. (See Zubaty, J., and Babitch.)
- Babitch, Abraham M., Flint, Mich. Fuel pump with accessible body. 1,957,753; May 8.
- Bables, John K., Houston, Tex. Resilient wheel. 1,965,484; July 3.
- Babo, Kurt C. (See McCleary, F. E., Babo, and Rayner.)
- Babson, Henry B., assignor to Babson Manufacturing Corporation, Chicago, Ill. Cow stanchion. 1,953,875; Apr. 3.
- Babson, Henry B., assignor to Babson Manufacturing Company, Chicago, Ill. Self-locking cow stanchion. 1,963,541; June 19.
- Babson, Henry B., assignor to Babson Manufacturing Corporation, Chicago, Ill. Cow stanchion (adjustable). 1,976,536; Oct. 9.
- Babson Manufacturing Company. (See Babson, Henry B., assignor.)
- Babson Manufacturing Corporation. (See Stampen, Jacob J., assignor.)
- Babson, Roger W., Wellesley, Mass. Parking indicator. 1,965,066; July 3.
- Babson, Roger W., Wellesley, Mass. Automatic parking meter. 1,973,275; Sept. 11.
- Baccellieri, Ralph, Philadelphia, Pa. Noodle machine. 1,985,275; Dec. 25.
- Bacchus, Thomas W., assignor to Hercules Powder Company, Wilmington, Del. Treating fibrous materials. Re19,288; Aug. 28.
- Bach, Charles G. (See Sloan, H., Baars, and Bach.)
- Bach, Edward W., Rose Lake, British Columbia, Canada. Mechanical player for stringed instruments. 1,946,827; Feb. 13.
- Bach, Hans, Frankfurt-on-the-Main, Germany. Electric cigar lighter. 1,946,434; Feb. 6.
- Bach, James S., Toronto, Ontario, Canada. Foot adjuster and exerciser. 1,978,244; Oct. 23.
- Bach, John J., and J. B. Flaws, North Woburn, assignors to Merrimac Chemical Co., Inc., Boston, Mass. Carboy container. 1,945,797; Feb. 6.
- Bach, Julius H., Chicago, Ill. Friction coupling. 1,946,263; Feb. 6.
- Bach, Neils P., Geneva, assignor to American Can Company, New York, N. Y. Vacuum machine. 1,969,717; Aug. 14.
- Bacharach, Eric W. (See Hine, Alfred E., assignor.)
- Bacharach, Eric W., Kansas City, Mo. Compound dry material feeding machine. 1,947,441; Feb. 20.
- Bache, Thomas W., assignor to George Salter and Company Limited, West Bromwich, Staffordshire, England. Spring balance. Des. 92,384; June 5.
- Bacher, Rollin L., Lakewood, assignor to The United States Air Compressor Company, Cleveland, Ohio. Chocking device for vehicle lifts. 1,979,788; Nov. 6.
- Bacher, Will L., assignor to White Cloud Farms Inc., Rock Tavern, N. Y. Beer mug. Des. 92,693; July 10.
- Bachle, Carl F., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,980,778; Nov. 13.
- Bachman, Aurelia, New York, N. Y. Picture case. Des. 93,532; Oct. 9.
- Bachmann, René, and E. Alliot, Buenos Aires, Argentina. Wind motor for wells. 1,942,081; Jan. 2.
- Bachmayer, Joseph J., assignor to The National Bundle Tye Company, Blissfield, Mich. Bundle tier machine. 1,962,703; June 12.
- Bachus, Max, Chicago, Ill. Fishing apparatus. 1,975,385; Oct. 2.
- Bacigalupo, Joseph, San Francisco, Calif. Building wall. 1,961,838; June 5.
- Back, Robert, assignor to The Wahl Company, Chicago, Ill. Desk pen. Des. 93,807; Nov. 13.
- Back, Robert, assignor to The Wahl Company, Chicago, Ill. Writing implement. 1,980,159; Nov. 6.
- Back, Samuel G., assignor of one-fourth to A. H. Rohleder, Ashland, Ohio. Bagless tire curing mold. 1,972,816; Sept. 4.
- Bäckdahl, Karl G. A., Stockholm, Sweden, assignor to Packard Motor Car Company, Detroit, Mich. Stabilizing and spring controlling device. 1,963,689; June 19.
- Bäckdahl, Karl G. A., Stockholm, Sweden, assignor to Packard Motor Car Company, Detroit, Mich. Stabilizing and spring controlling device. 1,963,690; June 19.
- Backer, Jacob. (See Biggs, George T., assignor.)
- Backes, Henry, Stockton, Calif. Dispensing attachment for liquid cement containers. 1,963,111; June 19.
- Backes, John J., Washington, Ind. Poultry feeder or watering trough. 1,980,247; Nov. 13.
- Backlund, Alfred E., and F. A. Robertson, Spokane, Wash. Automotive throttle and choke control. 1,976,429; Oct. 9.
- Backs, Henry P., New York, N. Y. Swimmer's belt. Des. 93,645; Oct. 23.
- Bäckström, Sigurd M. (See Munters, C. G., and Bäckström.)
- Bäckström, Sigurd M. (See Persson, N., and Bäckström.)
- Backus, Arthur A. (See Metzger, F. J., and Backus.)
- Backx, Joannes F. (See Vander Elst, J., and Backx.)
- Bacon, Charles. (See Freese, James D., assignor.)
- Bacon, Charles J. (See Hornecker, G., and Bacon.)
- Bacon, David L., assignor to The Engineering and Research Corporation, New Haven, Conn. Timer. 1,955,402; Apr. 17.
- Bacon, Elbridge F. (See Luckey, G. P., and Bacon.)
- Bacon, Elbridge F., assignor to A C Spark Plug Company, Flint, Mich. Electrical indicating device. 1,942,529; Jan. 9.
- Bacon, Frederick S., Newton, assignor to Boston Blacking & Chemical Co., Boston, Mass. Composition and method for use in securing together pieces of stock. 1,959,324; May 15.
- Bacon, Frederick S., Newton, and W. H. Wedger, Belmont, assignors to Boston Blacking & Chemical Co., Boston, Mass. Manufacture of shoes and adhesives, particularly for use therein. 1,959,323; May 15.
- Bacon, Joseph B., Macomb, Ill. Rectal syringe or douche nozzle. 1,947,150; Feb. 13.
- Bacon, Joseph B., Macomb, assignor of one-half to G. L. Athey Beardstown, Ill. Surgical instrument. 1,971,845; Aug. 28.
- Bacon, Raymond F., Bronxville, N. Y. Smelting sulphide ore. 1,944,873; Jan. 30.
- Bacon, Raymond F., Bronxville, N. Y., and W. Judson, Newgulf, Tex. Roasting pyrites fines. 1,941,592; Jan. 2.
- Bacon, Raymond F., Bronxville, and I. Bencowitz, New York, N. Y.; said Bencowitz assignor to said Bacon. Recovery of sulphur. 1,954,279; Apr. 10.
- Bacon, Walter M. (See Fay, F. H., and Bacon.)
- Bacon, Willard M., jr., Tampa, assignor to J. H. Ellis, Hillsborough County, and E. J. O'Hare, Dade County, Fla. Racing lure escapement. 1,961,997; June 5.
- Bacon, Willard M., jr., Tampa, assignor to J. H. Ellis, Hillsborough County, and E. J. O'Hare, Dade County, Fla. Brake for mechanical lures. 1,961,998; June 5.
- Bacon, William T., Sacramento, Calif. Lock. 1,958,603; May 15.
- Badanes, Saul, Brooklyn, N. Y. Counting and calculating card. 1,941,733; Jan. 2.
- Badanes, Saul, Brooklyn, N. Y. Counting and calculating device. 1,977,842; Oct. 23.
- Bade-Cummins Mfg. Co., The. (See Schumann, Walter A., assignor.)
- Bade, Lillian K., Mount Vernon, N. Y. Sanitary garment. 1,959,282; May 15.
- Baden, David, Hazleton, Pa. Tobacco can. 1,964,718; July 3.
- Baden, Henry, Cape Girardeau, Mo. Drain cleaner. 1,985,813; Dec. 25.
- Baden, Siegfried C., Los Angeles, Calif. Glare shield. 1,981,261; Nov. 20.
- Badenhausen Corporation. (See Badenhausen, Phillips, assignor.)
- Badenhausen, Phillips, Philadelphia, assignor to Badenhausen Corporation, Cornwells Heights, Pa. Water cooled wall for boilers. 1,953,149; Apr. 3.
- Bader, Walter, and E. B. Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of oxygenated organic compounds. 1,942,530; Jan. 9.
- Badger, E. B., & Sons Company. (See Campbell, Charles L., assignor.)
- Badger, E. B., & Sons Company. (See Lunt, George P., assignor.)
- Badger, Harry M., assignor to Stanley Insulating Company, Great Barrington, Mass. Heat insulated receptacle. 1,970,120; Aug. 14.
- Badger, Harry M., Great Barrington, Mass., assignor to Landers, Frary & Clark, New Britain, Conn. Rotary compressor. 1,977,109; Oct. 16.
- Badger Meter Manufacturing Company. (See Krueger, Emil M., assignor.)
- Badger Meter Manufacturing Company. (See Miller, Jacob C., assignor.)
- Badger, Thomas N., Berkeley, Calif. Dustpan. 1,982,849; Dec. 4.
- Badgerow, Harve G., Chicago, Ill. Game. 1,958,358; May 8.
- Badgett, Billie B., administratrix. (See Badgett, Fred L.)
- Badgett, Fred L., deceased, by B. B. Badgett, administratrix, Chickasha, Okla. Steam pressure governor. 1,966,372; July 10.
- Badgett, Fred L., assignor to Badgett Steam Lubricator Company, Chickasha, Okla. Water regulator. 1,942,635; Jan. 9.
- Badgett, Fred L., assignor to Badgett Steam Lubricator Company, Chickasha, Okla. Pump control device. 1,945,105; Jan. 30.
- Badgett Steam Lubricator Company. (See Badgett, Fred L., assignor.)

- Badgley, Cecil F., assignor of one-third to H. H. Howard and one-third to C. C. Trescott, Bozeman, Mont. Automatic metal feeder for type-casting and slug casting machines. 1,963,221; June 19.
- Badische Maschinenfabrik & Eisengießerei vormals G. Sebald und Sebald & Neff. (See Henninger, Ludwig, assignor.)
- Badoux, Leo F., and C. B. Pfaff, Detroit, Mich. Absorbent and ventilated boot and shoe preserver. 1,971,247; Aug. 21.
- Badum, Ernst. (See Goes, K., and Badum.)
- Bady, Louis. (See Hardy, C., and Bady.)
- Baechle, James E., River Forest, Ill., assignor to American Can Company, New York, N. Y. Ball container. 1,983,525; Dec. 11.
- Baenziger, Leonard N., Abington, assignor to Joseph Bardwell, Whitman, Mass. Molding machine. 1,950,284; Mar. 6.
- Baer, Albert M., New York, N. Y. Paring knife or similar article. Des. 94,107; Dec. 25.
- Baer, Alvin H., assignor to The Carbondale Machine Company, Carbondale, Pa. Cooler for liquids. 1,914,056; Jan. 16.
- Baer, Alvin H., assignor to Frick Company, Waynesboro, Pa. Condenser. 1,949,557; Mar. 6.
- Baer, Alvin H., assignor to The Carbondale Machine Company, Carbondale, Pa. Cooler for liquids. 1,976,872; Oct. 16.
- Baer, Alvin H., assignor to The Carbondale Machine Company, Carbondale, Pa. Liquid cooler. 1,978,616; Oct. 30.
- Baer, Carl A., Detroit, Mich. Building fibrous sheets. 1,953,457; Apr. 3.
- Baer, Edward S., Streator, Ill. Brick machine. 1,943,506; Jan. 16.
- Baer, Lawrence E., Attleboro, Mass. Key ring or similar article. Des. 92,060; Apr. 24.
- Baer, Lawrence E., Attleboro, Mass., assignor to The Baer & Wilde Co., Inc. Chain. Des. 91,261; Jan. 2.
- Baer, Lawrence E., assignor to The Baer & Wilde Company, Attleboro, Mass. Key ring or similar article. Des. 91,344; Jan. 16.
- Baer, Robert N. (See Troll, Frederick J., assignor.)
- Baer, Rudolph W. (See Kahle, F. J., and Baer.)
- Baer, Walter A., Paterson, assignor to United Piece Dye Works, Lodi, N. J. Tension controlling device. 1,946,264; Feb. 6.
- Baer & Wilde Company, The. (See Baer, Lawrence E., assignor.)
- Baer & Wilde Company, The. (See Bagnall, Joseph C., assignor.)
- Baernstein, Malvin A. (See Culling, C. R., and Baernstein.)
- Baetz, Gottwald. (See Eyer, C. and Baetz and Herterich.)
- Baetz, Gottwald. (See Krauch, C., Eyer, Baetz, and Korn.)
- Bafetti, Nicolino, Chicago, Ill. Crayon holder. 1,983,728; Dec. 11.
- Bagby, Ralph B., Evanston, Ill. Butter receptacle. 1,963,873; June 19.
- Bager, Ernest, assignor to J. Milhening, Inc., Chicago, Ill. Reflecting base jewel mounting. 1,941,782; Jan. 2.
- Bager, Frederic E., South Milwaukee, assignor to T. L. Smith Company, Milwaukee, Wis. Concrete mixing and distributing apparatus. 1,954,860; Apr. 17.
- Baggett, Henry T., assignor to Hughes Tool Company, Houston, Tex. Plunger lift control device. 1,947,511; Feb. 20.
- Baggiolini, John, Soledad, Calif. Egg cooker. 1,981,578; Nov. 20.
- Baggott, Archibald I., Santa Elena, Argentina. Closing and sealing tin cans and like containers. 1,960,861; May 29.
- Baggs, Arthur E., and E. Littlefield, Columbus, Ohio. Colorable ceramic composition and process for utilizing the same. 1,959,149; May 15.
- Baggs, Charles B., assignor to Romac Motor Accessories Limited, London, England. Windscreen wiper for automobiles and the like. 1,985,071; Dec. 18.
- Bagley, Robert M., Haddonfield, N. J., assignor to The R. M. Hollingshead Co. Making soap solution. 1,949,264; Feb. 27.
- Bagley and Sewall Company, The. (See Sanger, Frank M., assignor.)
- Bagley and Sewall Company, The. (See Valentine, C. W., and Helin, assignors.)
- Bagley and Sewall Company, The. (See Valentine, C. W., Ottersland and Fairbanks, assignors.)
- Bagley and Sewall Company, The. (See Valentine, C. W., and Rizabar, assignors.)
- Bagley, Walter G. (See Thompson, G. S., and Bagley.)
- Bagley, William H., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Protector for tinning connecting rods and the like. 1,943,155; Jan. 9.
- Bagley, William H., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Forming connecting rods. 1,984,624; Dec. 18.
- Bagnall, Joseph C., assignor to The Baer & Wilde Company, Attleboro, Mass. Necktie clip or similar article. Des. 92,284; May 22.
- Bagpak, Inc. (See Baker, Webster N., assignor.)
- Bagpak, Inc. (See Powell, W. B., and Cundall, assignors.)
- Bagpak, Inc. (See Weaver, Brenton B., assignor.)
- Baguley, Eric, Aldwyche, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal box. 1,946,265; Feb. 6.
- Bahan Textile Machinery Company. (See Bolt, John M., assignor.)
- Babelka, Joseph, Linden, N. J., assignor to Stanco, Incorporated. Can seaming machine. 1,951,719; Mar. 20.
- Babelka, Joseph, Linden, N. J., assignor to Stanco, Incorporated. Disk feeding device. 1,955,704; Apr. 17.
- Bahl, John I., assignor of one-half to R. W. Loicht, Canton, Ohio. Ceramic manufacture. 1,984,108; Dec. 11.
- Bahlke, William H., Hammond, Ind., and E. W. Thiele, assignors to Standard Oil Company, Chicago, Ill. Fractionation system. 1,947,577; Feb. 20.
- Bahls, Emil T., et al. (See Hoover, Joseph C., assignor.)
- Bahnson Company, The. (See Bahnson, Frederick F., assignor.)
- Bahnson Company, The. (See Simpson, Jerry H., assignor.)
- Bahnson, Frederick F., assignor to The Bahnson Company, Winston-Salem, N. C. Hygroscopic control element. 1,954,911; Apr. 17.
- Bahr, Charles A., Marion, Ind., assignor to W. H. Ellis, Jr., Glendale, Ohio. Indenting paper. 1,941,783; Jan. 2.
- Bahrman, Karl, assignor to Koch & Sterbel Aktiengesellschaft, Dresden, Germany. High potential lead-in. 1,972,178; Sept. 4.
- Baier, Henry, Westfield, N. J. Can utensil and opener. 1,963,222; June 19.
- Baier, Hermann, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Process of bleaching. 1,966,915; July 17.
- Baier, Wilhelm, Stockdorf, near Munich, Germany. Sliding roof for motor vehicles. 1,950,371; Mar. 6.
- Baier, Willard E., and R. E. Harris, Ontario, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Pectin preparation. 1,945,963; Feb. 6.
- Bailer, Otto P., Santa Monica, Calif. Mechanical time movement. 1,950,647; Mar. 13.
- Bailey, Albert R., San Bernardino, Calif. Jar closure. 1,978,978; Oct. 30.
- Bailey, Austin, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Short wave radio signaling. 1,984,451; Dec. 18.
- Bailey, Charles F. (See Sommer, W. H., and Bailey.)
- Bailey, Charles F., Peoria, Ill., assignor, by mesne assignments, to The National City Bank of Cleveland, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustees. Article of manufacture for reinforcing. 1,972,638; Sept. 4.
- Bailey, Charles F., Peoria, Ill., assignor, by mesne assignments, to The National City Bank of Cleveland, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustees. Article of manufacture for reinforcing. 1,972,639; Sept. 4.
- Bailey, Charles M., Berkeley, Calif. Valve. 1,944,486; Jan. 23.
- Bailey, Clarence R., assignor to Carol Supplies, Inc., Los Angeles, Calif. Antifriction bearing for casings. 1,960,364; May 29.
- Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Sheet packing. 1,948,252; Feb. 20.
- Bailey, Claude B., Wyandotte, assignor to The McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,968,365; July 31.
- Bailey, Curtis D., Massillon, Ohio. Clutch mechanism. 1,949,950; Mar. 6.
- Bailey, David C., Amesbury, Mass. Window glass channel. 1,955,729; Apr. 24.
- Bailey, David C., Amesbury, Mass. Channel bending machine. 1,968,010; July 31.
- Bailey, David R., Sacramento, assignor to California Almond Growers Exchange, San Francisco, Calif. Cracking apparatus. 1,975,761; Oct. 9.
- Bailey, Edgar L. (See McCortney, W. J., and Bailey.)
- Bailey, Edward L., assignor to The Standard Oil Company, Neodesha, Kans. Liquid-feed proportioning device. 1,943,362; Jan. 16.
- Bailey, Ernest F., London, England. Bottle pouring device. 1,949,400; Mar. 6.
- Bailey, Ervin G., Easton, Pa., assignor to Fuller Lehigh Company, New York, N. Y. Boiler furnace. 1,964,412; June 26.
- Bailey, Ervin G., Easton, assignor to Fuller Lehigh Company, Fullerton, Pa. Fuel burner. 1,966,195; July 10.
- Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J. High temperature incinerator furnace. 1,973,697; Sept. 18.
- Bailey, Ervin G., Easton, assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace wall. 1,982,623; Dec. 4.
- Bailey, Frank A., assignor to The De Vilbiss Company, Toledo, Ohio. Nasal guard for atomizers. 1,968,366; July 31.
- Bailey, George W., Cortland, N. Y. Furnace control system. 1,956,608; May 1.
- Raffley, Harry W. (See Clay, G. H., and Bailey.)
- Bailey, James, Hamburg, N. Y., assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,970,354; Aug. 14.
- Bailey, James B., assignor of one-half to James B. Cox, Dryden, Va. Coal cleaning machine. 1,979,362; Nov. 6.
- Bailey, James H., New Canaan, assignor to Hart, Cooley, Highton Co., New Britain, Conn. Air control register. 1,983,015; Dec. 4.
- Bailey, John W., London, England. Internal grinding and cutting tool. 1,966,277; July 10.

- Bailey, Loren, Metzger, Oreg. Pipe pushing machine. 1,974,324; Sept. 18.
- Bailey, Louis S., Seattle, Wash., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricating nozzle. 1,981,493; Nov. 20.
- Bailey, Lyman E., Logan, Kans. Portable drill vise. 1,944,540; Jan. 23.
- Bailey Meter Company. (See Albright, Joseph C., assignor.)
- Bailey Meter Company. (See Barnes, Frederick A., assignor.)
- Bailey Meter Company. (See Barrett, Joseph M., assignor.)
- Bailey Meter Company. (See Dickey, Paul S., assignor.)
- Bailey Meter Company. (See Hardgrove, Ralph M., assignor.)
- Bailey Meter Company. (See Johnson, Clarence, assignor.)
- Bailey Meter Company. (See Junkins, Raymond D., assignor.)
- Bailey Meter Company. (See Wilson, James M., assignor.)
- Bailey Meter Company. (See Woolley, Rew E., assignor.)
- Bailey, Otterbein A., assignor to Chicago Bridge and Iron Company, Chicago, Ill. Stair construction. 1,944,159; Jan. 23.
- Bailey, Otterbein A., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Relief valve. 1,973,698; Sept. 18.
- Bailey, Rand S., Montclair, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,944,961; Jan. 30.
- Bailey, Raymond C., Fredericksburg, Va. Lineman's climber. 1,983,526; Dec. 11.
- Bailey, Richard W., Hale, England, assignor to Associated Electrical Industries Limited. Production of metal castings. 1,946,450; Feb. 6.
- Bailey, Richard W., Hale, assignor of one-half to Associated Electrical Industries Limited, and one-half to English Steel Corporation Limited, Sheffield, England. Production of metal castings. 1,946,451; Feb. 6.
- Bailey, Theodore, Habana, Cuba. Combination closet, seat and table. 1,949,404; Mar. 6.
- Bailey, Theodore, Habana, Cuba. Combined closet and folding table. 1,949,405; Mar. 6.
- Bailey, Walter C., Norwalk, Calif. Apparatus for dehydrating oil and water emulsions. 1,983,832; Dec. 11.
- Bailey, William H., Pueblo, assignor to The Colorado Fuel and Iron Company, Denver, Colo. Apparatus to control the flow of fluids through conduits. 1,942,793; Jan. 9.
- Bailey, William H., and C. J. Gustafson, Pueblo, assignors to The Colorado Fuel and Iron Company, Denver, Colo. Magnetic chuck. 1,956,941; May 1.
- Bailey, William J., Narberth, Pa. Multiple revoluble tray rack. 1,947,325; Feb. 13.
- Bailey, William M., Pittsburgh, Pa. Valve plate and making it. 1,947,453; Feb. 20.
- Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Capacitor. 1,943,712; Jan. 16.
- Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Apparatus for securing zero capacity-temperature coefficient. 1,943,713; Jan. 16.
- Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Combination high and low capacity condenser. 1,943,714; Jan. 16.
- Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Molded dielectric condenser. 1,943,715; Jan. 16.
- Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Capacitor and assembly. 1,963,606; June 19.
- Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Floating foil capacitor. 1,963,607; June 19.
- Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Shielded resilient separator. 1,982,411; Nov. 27.
- Bailey, William M., White Plains, N. Y., assignor to Radio Corporation of America. Electric condenser. 1,969,346; Aug. 7.
- Baillie, Alfred J., Wyndmoor, Pa. Rake. 1,959,893; May 22.
- Baillie, Ralph C., Milwaukee, Wis. Ice-cream scoop. Des. 91,697; Mar. 13.
- Baillie, William, Hamilton, Ontario, Canada, assignor to American Can Company, New York, N. Y. Container. 1,972,861; Sept. 11.
- Bailly, Marcel, Neuilly-sur-Seine, France. Starting device for internal combustion engines. 1,948,897; Feb. 27.
- Bain, Charles A. (See Krug, E., Cool, and Bain.)
- Bain, Hollace H. (See McClanahan, Frederick C., assignor.)
- Bain, Robert, Handsworth, Birmingham, and N. All-day, Four Oaks, England. Electric tumbler switch. 1,943,363; Jan. 16.
- Bain, Robert, Collingwood, Victoria, Australia. Attaching ton pieces to heels. 1,949,346; Feb. 27.
- Bain, William H., University City, Mo. Insole and making shoes therewith. 1,947,031; Feb. 13.
- Baine, Herman, et al. (See Bednash, John H., assignor.)
- Bair, Edward J., New Hartford, assignor to Utica Radiator Corporation, Utica, N. Y. Combined radiator section and humidifying well. Des. 91,857; Apr. 3.
- Baird, Hollis S., assignor to Shortwave & Television Corporation, Boston, Mass. Scanning device for television. 1,962,474; June 12.
- Baird, John L., assignor to Television Limited, London, England. Transmitting signals. Re19,169; May 15.
- Baird, John L., assignor of one-half to Television Limited, London, England. Television system. 1,945,626; Feb. 6.
- Baird, John L., assignor to Baird Television Limited, London, England. Television apparatus. 1,957,815; May 8.
- Baird, John L., assignor to Baird Television Limited, London, England. Television and like apparatus. 1,980,150; Nov. 6.
- Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
- Baird Television Limited. (See Baird, John L., assignor.)
- Baird, Virgil E., and C. Griffiths, Chicago, Ill., and F. De Marais, Hammond, Ind., assignors to Federal-American Cement Tile Company, Chicago, Ill. Insert for cementitious slabs. 1,948,093; Feb. 20.
- Baird-Warner, Incorporated. (See Warner, Charles L., assignor.)
- Baird, William G., Bottineau, N. Dak. Mattress. 1,972,673; Sept. 4.
- Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Automatic brake shoe adjustment. 1,974,943; Sept. 25.
- Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Motor vehicle transmission. 1,983,063; Dec. 4.
- Baj, Alessandro, Milan, Italy. Internal combustion engine. 1,977,752; Oct. 23.
- Bajette, Richard, and P. B. Haebler, Union City, N. J. Electric vibrator massage device. 1,958,936; May 15.
- Bake, Louis S. (See Calcott, W. S., Lee, and Bake.)
- Bake, Louis S. (See Downing, F. B., and Bake.)
- Bakelaar, John H. (See Carroll, F. M., and Bakelaar.)
- Bakelite Building Products Co. Inc. (See Harsbberger, Norman P., assignor.)
- Bakelite Corporation. (See Bender, Howard L., assignor.)
- Bakelite Corporation. (See Bitterich, Fritz, assignor.)
- Bakelite Corporation. (See Cheetham, Harold C., assignor.)
- Bakelite Corporation. (See Courtney, Robert P., assignor.)
- Bakelite Corporation. (See Delaney, Myron E., assignor.)
- Bakelite Corporation. (See Groff, Frazier, assignor.)
- Bakelite Corporation. (See Higgins, Sigfried, assignor.)
- Bakelite Corporation. (See Lindhe, Henry E., assignor.)
- Bakelite Corporation. (See Nash, Clarence A., assignor.)
- Bakelite Corporation. (See Schmidt, J. H., and Daniels, assignors.)
- Bakelite Corporation. (See Swan, H., and Higgins, assignors.)
- Bakelite Corporation. (See Turkington, Victor H., assignor.)
- Bakelite Corporation. (See Upper, Frederick A., assignor.)
- Bakelite Corporation. (See Weith, George S., assignor.)
- Bakelite Gesellschaft mit beschränkter Haftung. (See Elbel, E., and Seebach, assignors.)
- Bakelite Gesellschaft mit beschränkter Haftung. (See Elbel, E., and Seiter, assignors.)
- Bakelite Gesellschaft mit Beschränkter Haftung. (See Elbel, E., and Süßenguth, assignors.)
- Bakelite Gesellschaft mit beschränkter Haftung. (See Florenz, Martin, assignor.)
- Bakelite Gesellschaft mit beschränkter Haftung. (See Seebach, Fritz, assignor.)
- Bakelite Limited. (See Crump, John W., assignor.)
- Baker, A. Thornton, et al. (See Reed, George B., assignor.)
- Baker, Abner D. and L. R., Swanton, Ohio. Engine valve gear. 1,946,659; Feb. 13.
- Baker, Adlai S. (See Russell, Stephen Y., assignor.)
- Baker, Archie G., assignor to Amoskeag Manufacturing Company, Manchester, N. H. Skein washing machine. 1,952,741; Mar. 27.
- Baker, Arthur J., assignor to The Willys-Overland Company, Toledo, Ohio. Illuminating apparatus. 1,963,608; June 19.
- Baker Axle Company. (See Baker, Erle K., assignor.)
- Baker, Benjamin P. (See Brainard, M. W., and Baker.)
- Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 1,973,460; Sept. 11.
- Baker, Bert F. (See Knox, H. A., and Baker.)
- Baker, Bertram E., Boston, Mass. Wax paper package. 1,984,780; Dec. 18.
- Baker, Brydon. (See Weber, S. L., Baker, and Jensen.)
- Baker Castor Oil Company, The. (See Colbeth, Ivor M., assignor.)
- Baker, Charles R. (See Baker, L. J., Laman, and Baker.)
- Baker, Charles R., Wood River, Ill., assignor to Standard Oil Company, Whiting, Ind. Refining hydrocarbon oil. 1,974,170; Sept. 18.
- Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Stop device. 1,955,448; Apr. 17.
- Baker, Charles S., Corning, and R. M. Fingar, Painted Post, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J. Speed and pressure responsive regulator. 1,972,617; Sept. 4.
- Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,984,171; Dec. 11.

- Baker, Chester A., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Refrigerated cabinet. 1,947,442; Feb. 20.
- Baker, Chris C., Hammond, Ind., and W. H. Baselt, assignors to American Steel Foundries, Chicago, Ill. Brake head. 1,981,023; Nov. 20.
- Baker & Company. (See Zimmermann, F., and Zschiegner, assignors.)
- Baker and Company, Inc., et al. (See Handforth, Stanley L., assignor.)
- Baker, David B., Riverside, Ill., assignor to International Harvester Company. Top track support for track type tractors. 1,946,660; Feb. 13.
- Baker, David B., Riverside, Ill., assignor to International Harvester Company. Track frame mounting for track-laying tractors. 1,964,495; June 26.
- Baker, David B., Riverside, C. R. Rogers, Oak Park, and N. O. Panzgrau, Chicago, Ill., assignors to International Harvester Company. Tracklaying tractor. 1,944,393; Jan. 23.
- Baker, David S., Greenwich, Conn. Apparatus for handling materials. 1,952,193; Mar. 27.
- Baker, David S., Greenwich, Conn. Apparatus for handling materials. 1,978,099; Oct. 23.
- Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Spool and manufacturing the same. 1,958,840; May 15.
- Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Wound bobbin and producing the same. 1,961,730; June 5.
- Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Winding machine. 1,962,757; June 12.
- Baker, Erle K., Chicago, Ill., assignor to Baker Axle Company, Cleveland, Ohio. Automobile arm and rod connection. 1,959,563; May 22.
- Baker, Erle K., Chicago, Ill., assignor to Baker Axle Company, Cleveland, Ohio. Automobile arm and rod connection. 1,963,112; June 19.
- Baker, Erle K., Detroit, Mich., assignor to Baker Axle Company, Cleveland, Ohio. Motor vehicle. 1,979,522; Nov. 6.
- Baker, Erwin G., Indianapolis, Ind. Internal combustion engine. 1,967,734; July 24.
- Baker, Eugene L., Taunton, Mass. Fuel regulator. 1,945,390; Jan. 30.
- Baker, Eugene L., Taunton, Mass. Fuel regulator. 1,969,250; Aug. 7.
- Baker, Frank E., assignor of one-half to L. Will, Syracuse, N. Y. Convertible laundering and kitchen table. 1,956,265; Apr. 24.
- Baker, Frank E., assignor of one-half to L. Will, Syracuse, N. Y. Electrically heated pressing and ironing element. 1,984,008; Dec. 11.
- Baker, Frank E., F. Dvorak, and H. L. Mueller, assignors to The Cleveland Welding Company, Cleveland, Ohio. Securing means for removable barrel heads. 1,974,201; Sept. 18.
- Baker, Frank T., Fairfield, Ala., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,952,110; Mar. 27.
- Baker, Franklin B., Chicago, Ill. Bread improver and making the same. 1,953,332; Apr. 3.
- Baker, Frederick W., Stonbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Flexible driving mechanism. 1,946,661; Feb. 13.
- Baker, George. (See Gannon, J. Reavis, and Baker.)
- Baker, George B. (See Creser, A. A. T. and Baker.)
- Baker, George B., Oklahoma City, assignor of one-half to A. J. Albrecht, El Reno, Okla. Window bracket. 1,979,853; Nov. 6.
- Baker, George R. (See Paterson, J. C., and Baker.)
- Baker, George R., London, England, assignor to Baker Perkins Company, Incorporated, Saginaw, Mich. Machine for depositing articles or viscous liquids and the like upon trays or in molds carried by a continuously traveling conveyor. 1,973,196; Sept. 11.
- Baker, George R. and G. D. Wilson, Willesden Junction, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Apparatus for coating confections. 1,944,148; Jan. 23.
- Baker, George R., and G. D. Wilson, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Apparatus for coating confectionery. 1,953,740; Apr. 3.
- Baker, George R., and G. D. Wilson, Willesden Junction, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Treating chocolate. 1,984,009; Dec. 11.
- Baker, George T. (See Belas, F. T., and Baker.)
- Baker, George T., Glamorganshire, Wales, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,963,929; June 19.
- Baker, Greeley, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,984,563; Dec. 18.
- Baker, Guy A. (See Walther, G., and Baker, Guy A. and H.)
- Baker, Harold T. (See Olsen, M. W., and Baker.)
- Baker, Harold U., South Pasadena, Calif. Hydraulic drilling device. 1,973,197; Sept. 11.
- Baker, Harry. (See Walther, G., and Baker, Guy A. and H.)
- Baker, Harry J. (See Mesinger, W. F., and Baker.)
- Baker, Harry L., assignor to Samcoe Holding Corporation, New York, N. Y. Dyeing. 1,979,818; Nov. 6.
- Baker, Hastings W., assignor to Ohmer Fare Register Company, Dayton, Ohio. Automatic taximeter control mechanism. 1,958,558; May 15.
- Baker, Hastings W., assignor to Ohmer Fare Register Company, Dayton, Ohio. Automatic taximeter control mechanism. 1,958,559; May 15.
- Baker, Hastings W. and S. Y.; said S. Y. Baker assignor to said H. W. Baker, Dayton, Ohio. Cemetery vase. 1,981,640; Nov. 20.
- Baker, Herbert A., trustee. (See McDonnell, Francis S., assignor.)
- Baker, Herbert K., Detroit, Mich., assignor to Penn Metal Company, Parkersburg, W. Va. Apparatus for expanding metal laths. 1,972,179; Sept. 4.
- Baker Ice Machine Co. Inc. (See Baker, Chester A., assignor.)
- Baker Ice Machine Company, Inc. (See Hoffman, John F., assignor.)
- Baker Ice Machine Co. Inc. (See Mallinckrodt, Albert J., assignor.)
- Baker, J. M., Pattern Company, Inc. (See Corley, John T., assignor.)
- Baker, James N., assignor to The Black and Decker Manufacturing Company, Towson, Md. Hammer. 1,959,516; May 22.
- Baker, Joel, trustee. (See Smith, Raymond W., assignor.)
- Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Detachable bit. 1,953,095; Apr. 3.
- Baker, John C., Montclair, N. J. Treating fresh fruit. 1,967,074; July 17.
- Baker, John C., Montclair, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Measuring and controlling apparatus. 1,960,615; May 29.
- Baker, John C., Montclair, and F. C. Schmekes, Bloomfield, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Sterilizing water. 1,943,650; Jan. 16.
- Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Draft controller. 1,962,292; June 12.
- Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Automatic control system for warm air furnaces. 1,969,113; Aug. 7.
- Baker, Jonas E., Peabody, Kans. Corpse handling device. 1,948,611; Feb. 27.
- Baker, Leslie E. (See McIlroy, R. B., and Baker.)
- Baker, Lewis J., F. E. Laman, and C. R. Baker, Chenango, assignors of one-fifth to W. J. Anderson, Union, and one-fifth to W. H. Day, Binghamton, N. Y. Gas saving device. 1,973,791; Sept. 18.
- Baker, Lewis T., Jacksonville, Fla. Barrel stave. 1,945,303; Jan. 30.
- Baker, Louis R. (See Baker, Abner D. and L. R.)
- Baker, Mertie I., Bland, Mo. Combined salt and pepper sprinkler. Des. 93,436; Oct. 2.
- Baker, Mervin R., Leland, assignor to Deere & Company, Moline, Ill. Harvester. 1,941,821; Jan. 2.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Aviator's goggles. 1,942,393; Jan. 9.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,942,394; Jan. 9.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,943,910; Jan. 16.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,946,346; Feb. 6.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,966,025; July 10.
- Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
- Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
- Baker, Paul E., and C. F. Kop, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Rim. 1,961,095; May 29.
- Baker Perkins Company. (See Baker, George R., assignor.)
- Baker Perkins Company. (See Baker, G. R., and Wilson, assignors.)
- Baker Perkins Company. (See Harber, L. S., and Pointon, assignors.)
- Baker Perkins Company. (See Pointon, J. E., and Harber, assignors.)
- Baker Perkins Company. (See Savell, J. F., and Feige, assignors.)
- Baker Perkins Company. (See Vollrath, Harold B., assignor.)
- Baker Perkins Company, Inc. (See Eggert, Gustav B., assignor.)
- Baker Perkins Company, Inc. (See Paterson, J. C., and Baker, assignors.)
- Baker Perkins Company, Inc. (See Ricker, Frederick G., assignor.)
- Baker Perkins, Limited. (See Pointon, John E., assignor.)
- Baker, Perkins, Limited, et al. (See Savy, Robert, assignor.)
- Baker, Randall B., Needham, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Paging apparatus. 1,963,346; June 19.
- Baker-Raulang Company, The. (See Clark, Richard A., assignor.)
- Baker-Raulang Company, The. (See Remde, Edward H., assignor.)

- Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Drill pipe float. 1,984,107; Dec. 11.
- Baker, Roy C., Wollaston, Mass. Machine for folding and feeding book signatures. 1,945,253; Jan. 30.
- Baker, Russell W., J. Q. Holmes, and A. W. Phelps, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Commutator assembling machine. 1,979,434; Nov. 6.
- Baker, Sallie Y. (See Baker, Hastings W. and S. Y.)
- Baker, Thomas F., Albany, assignor of one-third to R. M. Lackey, Waterford, and two-thirds to M. Speigel, Albany, N. Y. Dictaphone machine. 1,978,448; Oct. 30.
- Baker, Thomas T., Hatch End, assignor to Spicers Limited, London, England. Manufacture of cinematographic films with sound records. 1,955,045; Apr. 17.
- Baker, Thomas T., and C. Bonamico, London, and R. A. S. Grist, Ickleton, Cambridge, assignors to Dufaycolor Ltd., London, England. Film for color photography. 1,962,679; June 12.
- Baker, W. J., Company. (See Baker, William J.)
- Baker, Webster N., Glens Falls, assignor, by mesne assignments, to Bagpak, Inc., New York, N. Y. Bag closure. 1,962,117; June 12.
- Baker, Webster N., Glens Falls, assignor, by mesne assignments, to Bagpak, Inc., New York, N. Y. Valve bag. 1,976,760; Oct. 16.
- Baker, Webster N., Glens Falls, assignor, by mesne assignments, to Bagpak, Inc., New York, N. Y. Reenforced bag closure. 1,977,298; Oct. 16.
- Baker, Webster N., Baldwin, Long Island, assignor to Bagpak, Inc., New York, N. Y. Bag closure. 1,968,981; Aug. 7.
- Baker, William F., et al. (See Green, Walter B., assignor.)
- Baker, William H., Boston, Mass. Lay motion for looms. 1,970,832; Aug. 21.
- Baker, William J., assignor to W. J. Baker Company, Newport, Ky. Casement window screen. 1,968,924; Aug. 7.
- Baker, William S., assignor of two-fifths to M. L. Munday and sixty per cent to Double Seal Ring Company, Fort Worth, Tex. Producing piston rings. 1,972,083; Sept. 4.
- Baker, William S., assignor of two-fifths to M. L. Munday, and sixty per cent to Double Seal Ring Company, Fort Worth, Tex. Piston ring. 1,975,344; Oct. 2.
- Baker, William S., assignor to Double Seal Ring Company, Fort Worth, Tex. Piston. 1,975,345; Oct. 2.
- Bakeries Service Corporation. (See Brennan, John W., assignor.)
- Bakeries Service Corporation. (See Kinkenon, Frank R., assignor.)
- Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. Meter sealing device. 1,979,928; Nov. 6.
- Bakst, Aaron, Brooklyn, assignor to Lafayette Instruments, Inc., New York, N. Y. Educational appliance. 1,951,337; Mar. 20.
- Balaam, A. G. (See Balaam, Maurice A. and V.)
- Balaam, Maurice A., assignor of one-half to Rain Machine Ltd., Lompoc, and one-half to West Coast Pipe & Steel Co., Los Angeles, Calif. Portable overhead irrigation plant. 1,966,783; July 17.
- Balaam, Maurice A. and V., assignors of one-third to A. G. Balaam, Lompoc, Calif. Irrigating system. 1,960,472; May 29.
- Balaam, Vern. (See Balaam, Maurice A. and V.)
- Balazinski, Louis, East Port Chester, Conn. Safety gas cock. 1,941,850; Jan. 2.
- Balcar, Frederick R., Elizabeth, N. J., assignor to Air Reduction Company, Inc., New York, N. Y. Luminescent tube. 1,949,069; Feb. 27.
- Balcar, Frederick R., Elizabeth, N. J., assignor to Air Reduction Company, Inc., New York, N. Y. Luminescent tube. 1,951,006; Mar. 13.
- Balch, Thomas V. (See Bohnsack, J. A., and Balch.)
- Balch, Thomas V., Shaker Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Radiator shield and bracket. 1,981,539; Nov. 20.
- Balch, Thomas V., Shaker Heights, and J. A. Bohnsack, Cleveland Heights, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic partition base finish. 1,960,077; May 22.
- Balch, Thomas V., Shaker Heights, and J. A. Bohnsack, Cleveland Heights, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Adjustable door unit for sectional partitions. 1,981,538; Nov. 20.
- Balcom, Frederick J., Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,984,109; Dec. 11.
- Bald, Warren L., Astoria, Long Island, N. Y. Pile forming apparatus. 1,951,643; Mar. 20.
- Bald, Warren L., Philadelphia, Pa. Pile point. 1,969,251; Aug. 7.
- Bald, Warren L., Beverly Hills, Calif., and E. S. Deakyne, Laurel, Md. Pile point. 1,979,599; Nov. 6.
- Baldare, Angelo, Chicago, Ill. Basement drain. 1,962,978; June 12.
- Baldauf, Gustav, Munich, Germany. Production of facings of pressed cork for rollers, drums, pulleys, and the like. 1,984,625; Dec. 18.
- Baldegger, Armin W., Union City, N. J. Textile fabric or the like. Des. 93,906; Nov. 27.
- Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Resilient machinery base. 1,958,778; May 15.
- Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Attaching clip. 1,981,217; Nov. 20.
- Balduf, Bruno E., Chicago, and H. O. Hayes, Evanston, assignors to United States Gypsum Company, Chicago, Ill. Building insulation. 1,963,609; June 19.
- Baldwin, Alfred W. (See Bunbury, H. M., and Baldwin.)
- Baldwin, Allen T., Montclair, assignor, by mesne assignments, to Hanson-Van Winkle-Munning Company, Matawan, N. J. Flux for galvanizing. 1,965,759; July 10.
- Baldwin, Allen T., Montclair, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Flux wash for galvanizing. 1,965,760; July 10.
- Baldwin, Charles M., La Jolla, Calif. Golf club carrier. 1,960,862; May 29.
- Baldwin, Clement R., Rocky Hill, N. J., assignor to Atlantic Terra Cotta Company, New York, N. Y. Wall. 1,945,474; Jan. 30.
- Baldwin, Curtis C., Ottawa, Kans., assignor, by mesne assignments, to Curtis Harvesters, Inc., North Kansas City, Mo. Grain threshers. 1,949,774; Mar. 6.
- Baldwin-Duckworth Chain Corporation. (See Klauke, Hermann, assignor.)
- Baldwin-Duckworth Chain Corporation. (See McCann, John F., assignor.)
- Baldwin, Edson B. (See Dreisonstok, J. Y., Aiken, and Baldwin.)
- Baldwin, Edward E., assignor to E. A. Hartman, New York, N. Y. Drawing appliance stencil. 1,974,442; Sept. 25.
- Baldwin, Elnora E., Denver, Colo. Marcel hair waver. 1,968,593; July 31.
- Baldwin, Frank, Yonkers, N. Y. Machine for wrapping cakes or the like. 1,942,017; Jan. 2.
- Baldwin, Frederick M., assignor of one-half to K. B. Fisher, Oakland, Calif. Nut cracking machine. 1,971,170; Aug. 21.
- Baldwin, James C., and C. C. McKnight, Enid, Okla. Metal bending machine. 1,949,401; Mar. 6.
- Baldwin, John D., Jr., assignor, by mesne assignments, to Weatherhead Company, Cleveland, Ohio. Making valve bodies. 1,956,554; May 1.
- Baldwin, Julian T., West Chester, Pa. Treating oil gels and product therefrom. 1,971,633; Aug. 28.
- Baldwin, Julian T., West Chester, Pa. Producing an oxidized oil gel. 1,971,634; Aug. 28.
- Baldwin, Julian T., West Chester, Pa. Manufacturing hard surface floor coverings and material therefor. 1,971,635; Aug. 28.
- Baldwin, Julian T., West Chester, Pa. Oil gel composition and producing the same. 1,971,636; Aug. 28.
- Baldwin, Julian T., West Chester, Pa., assignor to Sandura Company, Inc., Paulsboro, N. J. Manufacturing pigments. 1,946,052; Feb. 6.
- Baldwin, Julian T., West Chester, Pa., assignor to Sandura Company, Inc., Paulsboro, N. J. Pigment. 1,946,053; Feb. 6.
- Baldwin, Julian T., West Chester, Pa., assignor to Sandura Company, Inc., Paulsboro, N. J. Preparing pigments. 1,946,054; Feb. 6.
- Baldwin, Julian T., West Chester, Pa., assignor to Sandura Company, Inc., Paulsboro, N. J. Pigment. 1,946,055; Feb. 6.
- Baldwin, Mabel, Sacramento, Calif. Hairpin. 1,943,936; Jan. 16.
- Baldwin, Pierson C., and F. W. Schweer, Los Angeles, assignor to H. K. Barber, Santa Monica, Calif. Door construction. 1,947,691; Feb. 20.
- Baldwin Rubber Company. (See Clark, Samuel C., assignor.)
- Baldwin Rubber Company. (See Pryale, Harry M., assignor.)
- Baldwin-Southwark Corporation. (See Archer, H. G., and Bird, assignors.)
- Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)
- Baldwin-Southwark Corporation. (See Graf, John C., assignor.)
- Baldwin-Southwark Corporation. (See Neeson, Charles R., assignor.)
- Baldwin-Southwark Corporation. (See Ruch, Herman J., assignor.)
- Baldwin-Southwark Corporation. (See Sharp, Robert E. B., assignor.)
- Baldwin, William B., assignor of one-fourth to R. T. Lloyd, Madison, Wis. Water system. 1,981,160; Nov. 20.
- Bale, Charles W., assignor to H. W. Klosterman, Portland, Oreg. Primer valve for floor drains. 1,981,540; Nov. 20.
- Bales, James E. (See O'Connor, J. B., and Bales.)
- Bales, James E., assignor to Lyon Metal Products Incorporated, Aurora, Ill. Shelving construction. 1,945,507; Feb. 6.
- Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Shelving construction. 1,952,111; Mar. 27.
- Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Group locker control. 1,955,525; Apr. 17.
- Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Chair foot. 1,961,839; June 6.
- Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker. 1,970,267; Aug. 14.
- Bales, James E., Aurora, and J. E. Hallberg, Oswego, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Cabinet. 1,944,394; Jan. 23.
- Balfour, L. G., Company. (See Robertson, Walter S., assignor.)

- Balistreri, Mildred D., Pittsburgh, Pa. Hand grip. 1,980,655; Nov. 13.
- Balke, Clarence W., Highland Park, assignor, by mesne assignments, to Ramet Corporation of America, North Chicago, Ill. Tool and making same. 1,948,489; Feb. 27.
- Balke, Clarence W., Highland Park, assignor, by mesne assignments, to Ramet Corporation of America, North Chicago, Ill. Tool and making same. 1,951,856; Mar. 20.
- Balke, Clarence W., Highland Park, assignor, by mesne assignments, to Ramet Corporation of America, North Chicago, Ill. Alloy and making same. 1,968,067; July 31.
- Balkema, Bert B., et al. (See Clark, Malcolm S., assignor.)
- Balkema, Bert B., and R. J. Turnbull, assignors, by mesne assignments, to Mechanical Parking Patents, Inc., Chicago, Ill. Parking dolly. 1,962,127; June 12.
- Ball, Albert L. (See Benner, R. C., and Ball.)
- Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Door and window construction. Re19,133; Apr. 3.
- Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Ventilator construction. Re19,268; Aug. 14.
- Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Stamped metal sash. 1,956,000; Apr. 24.
- Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Fastener for trimming material. 1,964,554; June 26.
- Ball, Bernace O., Ogallala, Nebr., assignor of part interests to a number of individuals. Doorlock. 1,963,483; June 19.
- Ball Brothers Company. (See Harding, John W., assignor.)
- Ball Brothers Company. (See Ludington, Lawrence L., assignor.)
- Ball Brothers Company. (See Ludington, William C., assignor.)
- Ball Brothers Company. (See Milner, Edwin E., assignor.)
- Ball Brothers Company. (See Sterrett, Walter R., assignor.)
- Ball, Charles A., assignor to Chicago Belting Company, Chicago, Ill. Method of and apparatus for making belts. 1,943,499; Jan. 16.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for supplying water to concrete mixers. 1,949,364; Feb. 27.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Protector for the fluid supply pipes of agitating apparatus. 1,956,521; Apr. 24.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Pressure relief apparatus for concrete mixers. 1,983,891; Dec. 11.
- Ball, Donald A. (See Quick, C. G., Ball, and Whitehead.)
- Ball, Donald A. (See Quick, C. G., Marshall, Ball, and Whitehead.)
- Ball, Frederick O., and T. M., Detroit, Mich. Carburetor. 1,958,690; May 15.
- Ball, Frederick O. and T. M., Detroit, Mich. Carburetor. 1,985,712; Dec. 25.
- Ball, Frederick O. and T. M., assignors to Chrysler Corporation, Detroit, Mich. Manifold. 1,944,206; Jan. 23.
- Ball, George E., Edgewood, R. I. Vending machine. Des. 92,570; June 26.
- Ball, George E., New York, N. Y., assignor to The American Thermos Bottle Company, Norwich, Conn. Bottle casing. Des. 93,437; Oct. 2.
- Ball, George N., Glendale, assignor to Warner Bros. Pictures, Inc., Los Angeles, Calif. Sound-insulated camera. Re19,204; June 12.
- Ball, Harry V., Concord, Mass., assignor to Irving Trust Company, receiver in equity for R. Hoe & Co., Inc., New York, N. Y. Web printing machine. 1,973,034; Sept. 11.
- Ball, Herman F., Harrison, assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive tender. 1,954,307; Apr. 10.
- Ball, Horace J., Kimberley, assignor to William Hollins and Company Limited, Nottingham, England. Number-indicating device. 1,980,844; Nov. 13.
- Ball, Irving, Elizabeth, N. J. Remote control device. 1,980,172; Nov. 13.
- Ball, Joseph A., Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Boston, Mass. Color photography with key print. 1,978,979; Oct. 30.
- Ball, Joseph A., and G. F. Rackett, Los Angeles, Calif., assignors, by mesne assignments, to Technicolor, Inc., New York, N. Y. View finder system. 1,957,128; May 1.
- Ball, Joseph F., and H. M. Quirey, San Francisco, Calif. Electric heater. 1,982,190; Nov. 27.
- Ball, Ritchie F., Narrows, Va. Chain cutter for machines for sewing looped fabrics. 1,956,485; Apr. 24.
- Ball, Russell C., Philadelphia, Pa. Motor speed reducer. 1,945,361; Jan. 30.
- Ball, Simeon T., South Weymouth, and C. E. Rymes, Lexington, assignors, by mesne assignments, to The Edison Corporation, Boston, Mass. Pump. 1,958,689; May 15.
- Ball, Thomas M. (See Ball, Frederick O. and T. M.)
- Ball, Wayne E. (See Colglazier, E. G., Ball, and Willis.)
- Ball, William T. (See McElroy, Thomas L., assignor.)
- Ball, William T., Moline, Ill., assignor, by mesne assignments, to United Electric Controls Company, Boston, Mass. Duplex pressure regulating valve. 1,974,296; Sept. 18.
- Ballantine, Stuart, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Reducing retroactive currents in three-electrode ionic amplifiers. 1,946,662; Feb. 13.
- Ballantine, Stuart, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Acoustic device. 1,983,833; Dec. 11.
- Ballard, Arthur H., Incorporated. (See Ballard, Arthur H., assignor.)
- Ballard, Arthur H., assignor to Arthur H. Ballard, Incorporated, Boston, Mass. Burner control. 1,963,771; June 19.
- Ballard, Bernard T. (See Gough, F. J., and Ballard.)
- Ballard, Harrie A., Beverly, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Cutting machine. 1,978,521; Oct. 30.
- Ballard, Howard T., trustee, et al. (See Pratt, Harry P., assignor.)
- Ballard, James R., and D. P. Saucier, Shreveport, La. Propeller. 1,973,598; Sept. 11.
- Ballard, John F. (See Kohn, Koby, assignor.)
- Ballard, Joseph W., Greenfield, assignor to The Kendall Company, Boston, Mass. Book binding. 1,975,628; Oct. 2.
- Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism for machines. 1,953,067; Apr. 3.
- Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Presser member. 1,964,024; June 26.
- Ballas, Peter. (See Henderson, Hurley N., assignor.)
- Ballash, Joseph L., Cleveland, assignor to The Sterling Grinding Wheel Company, Tiffin, Ohio. Abrasive device. 1,962,947; June 12.
- Ballauf, Fritz. (See Schrader, G., Ballauf, and Schmelzer.)
- Ballauf, Fritz. (See Schrader, G., Schmelzer, and Ballauf.)
- Ballauf, Fritz, and A. Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo coloring material. 1,967,345; July 24.
- Ballauf, Fritz, and A. Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azodyestuffs. 1,979,600; Nov. 6.
- Balle, Gerhard. (See Daimler, K., and Balle.)
- Balle, Gerhard. (See Schmidt, A., Balle, and Einfeld.)
- Ballenger, E. G., et al. (See Grayson, Ralph V., assignor.)
- Ballenger, Edgar C. (See Grayson, R. V., and Ballenger.)
- Ballentine, Earle W., assignor to Solar Industries, Inc., Chicago, Ill. Furnace. 1,955,483; Apr. 17.
- Ballentine, George K., Los Angeles, Calif. Clothes hanger holder and bag. 1,948,019; Feb. 20.
- Ballert, Otto, Berlin, Germany. Hydraulic tilting device, especially for tilting the bodies of motor vehicles. 1,963,286; June 19.
- Ballert, Otto, Berlin, Germany. Hydraulic tilting device for trucks. 1,963,287; June 19.
- Ballert, Otto, Berlin, Germany. Device for emptying refuse receptacles. 1,963,288; June 19.
- Ballew, Elmer L., Chicago, Ill. Racing apparatus. 1,984,452; Dec. 18.
- Ballew, Frank, assignor of forty-seven and one-half per cent to C. A. Domzalski and five per cent to C. Bates, Detroit, Mich. Variable pitch propeller. 1,967,461; July 24.
- Balliet, A. H., Corporation. (See Dorney, R. S., and Neely, assignors.)
- Balbiet, A. H., Corporation. (See Neely, Frank R., assignor.)
- Ballou, B. A., & Co., Inc. (See Morehouse, E., and Moore, assignors.)
- Ballou, Harry R., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,581; Apr. 3.
- Ballou, Howard M., C. A. Joslin and L. W. Wilkin, North Attleboro, Mass. Spoon. Des. 92,997; Aug. 14.
- Ballou, Virg. (See McLaughlin, Wilson L. and H. L., and Ballou.)
- Ballou, Virg. (See Skow, R. E., Ballou, and McLaughlin.)
- Ball-Rite Valve Company. (See Siena, S. U., and Arth, assignors.)
- Ballwanz, Paul A., H. Hendrickson, and R. J. Jesse, Chicago, Ill.; said Jesse assignor to said Ballwanz and said Hendrickson. Door fastener. 1,958,029; May 8.
- Balmer, Burney J., Kansas City, Mo. Hair treating oven. 1,971,325; Aug. 28.
- Balochi, Charles T., Roanoke, Va. Garment hanger. 1,966,373; July 10.
- Balog, Gustav. (See Balog, Jacques, assignor.)
- Balog, Jacques, assignor to G. Balog, Vienna, Austria. Manufacturing high quality seamless rubber articles. 1,959,701; May 22.
- Balough, Charles, assignor to Hercules Motors Corporation, Canton, Ohio. Internal combustion engine and structure therefor. 1,972,752; Sept. 4.
- Balph, Harold R., Poland, Ohio. Roofing and siding construction. 1,965,972; July 10.
- Balsam, Maurice M., New York, N. Y. Machine for turning the edges of flexible material. 1,946,999; Feb. 13.
- Balsam, Maurice M., New York, N. Y. Machine for clamping frames on pocketbooks. 1,971,151; Aug. 21.
- Balsamo, Mariano, St. Louis, Mo. Method of and apparatus for making baskets. 1,954,861; Apr. 17.
- Balsiger, Harold E. (See Ott, C. L., Wine, and Balsinger.)

- Baltimore Enamel & Novelty Co., The. (See Little, H. B., and Miller, assignors.)
- Baltimore Enamel & Novelty Co., The. (See Miller, K. C., and Little, assignors.)
- Balton, James, assignor to J. Shapiro, Baltimore, Md. Machine for manufacturing spirally wound straws and other tubes. 1,967,171; July 17.
- Balton, James, assignor of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., one-fourth to N. Shapiro, and one-fourth to S. Shapiro, Chelsea, Mass. Mold for the manufacture of three-pocket ice cream cones. 1,980,740; Nov. 13.
- Balton, James, assignor to J. Shapiro, Baltimore, Md. Ice cream cone. 1,981,770; Nov. 20.
- Baltzley, Louis E., Glen Ridge, N. J. Ping pong racket. 1,961,473; June 5.
- Baltzley, Louis E., Glen Ridge, assignor to Best Manufacturing Co. Inc., Irvington, N. J. Game device. Des. 92,874; July 31.
- Balzano, Savario. (See Lafredo, G., and Balzano.)
- Balze, Paul, Leonia, N. J. Interlocked solder joint and making the same. 1,951,122; Mar. 13.
- Balzer, Fred, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Unloading net for extractors. 1,969,494; Aug. 7.
- Balzer, Otto. (See Schutte, E., and Balzer.)
- Balzer, Werner H., assignor to Waltham Watch Company, Waltham, Mass. Electric motor. 1,978,855; Oct. 30.
- Bamberger, Heinrich, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Stable tetrazomonoazo compounds and their preparation. 1,962,111; June 12.
- Bambino, Peter M., San Francisco, Calif. Cigarette package and resilient hinge therefor. 1,965,133; July 3.
- Bamforth, Joshua J. (See Johnson, Oscar W., assignor.)
- Banas, Joseph J., Niagara Falls, N. Y. Guard strip. 1,974,325; Sept. 18.
- Banas, Joseph J., Niagara Falls, N. Y. Hydraulic brake. 1,985,812; Dec. 25.
- Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal pump. 1,948,157; Feb. 20.
- Bancroft, Albert F., Newton, assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,601; Oct. 16.
- Bancroft, Albert F., Newton, assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,907; Nov. 27.
- Bancroft, Albert F., Newton, assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,066; Dec. 18.
- Bancroft, Albert F., Newton, assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,108; Dec. 25.
- Bancroft, Erwin P., Brooklyn, N. Y., assignor to International Communication Laboratories, Inc., Newark, N. J. Telegraph regenerative repeater. 1,942,588; Jan. 9.
- Bancroft, Frank E. (See Burch, C. R., and Bancroft.)
- Bancroft, Joseph & Sons Co. (See Gibbons, John T., assignor.)
- Bancroft Walker Co. (See Arkin, Bertha, assignor.)
- Bancroft Walker Co. (See Bancroft, Albert F., assignor.)
- Bancroft Walker Co. (See Bender, Arthur, assignor.)
- Bancroft Walker Co. (See Borda, Pasquale, assignor.)
- Bancroft Walker Co. (See Cohan, Alice, assignor.)
- Bancroft Walker Co. (See Weidner, Willy, assignor.)
- Bandoly, Erich, assignor to Taylor Instrument Companies, Rochester, N. Y. Magnetic compass. Des. 93,531; Oct. 2.
- Bandoly, Erich, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,977,711; Oct. 23.
- Bandoly, Erich, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,983,786; Dec. 11.
- Bandoly, Erich, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer and making the same. 1,984,819; Dec. 18.
- Banfield, Thomas H., assignor to Iron Fireman Manufacturing Company, Portland, Ore. Coal-burning stoker. Des. 91,345; Jan. 16.
- Banigan, Thomas F., Kenmore, assignor to Du Pont Rayon Company, New York, N. Y. Bucket. 1,975,188; Oct. 2.
- Banigan, Thomas F., Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Guide mechanism. 1,977,611; Oct. 23.
- Banigan, Thomas F., Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Treating artificial threads. 1,979,929; Nov. 6.
- Baninger, John H., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing mounting. 1,956,305; Apr. 24.
- Baninger, John H., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Antifriction mounting for lathe centers. 1,957,057; May 1.
- Baninger, John H., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing mounting. 1,964,420; June 26.
- Baninger, John H., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing mounting. 1,982,366; Nov. 27.
- Bank, David, Minneapolis, Minn. Memorial plaque or similar article. Des. 94,013; Dec. 11.
- Bank, David, Minneapolis, Minn. Memorial plaque or similar article. Des. 94,014; Dec. 11.
- Bank, Henry O., Evansville, Ind. Burglarproof screen. 1,946,381; Feb. 6.
- Banke, Marcel. (See Gloor, G., and Banke.)
- Banker, Olin E., Wilkes-Barre, Pa. Toy. 1,962,948; June 12.
- Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Automatic change speed transmission. 1,943,293; Jan. 16.
- Bankers and Merchants Stamp Works. (See Weissman, Samuel M., assignor.)
- Bankers Protection Company. (See White, M. C., and Brown, assignors.)
- Bankert, David C., Union Bridge, Md. Automatic back-drift brake for motor vehicles. 1,973,891; Sept. 18.
- Banks, Frederick R., assignor to The Kennedy Valve Mfg. Co., Elmira, N. Y. Hydrant. 1,944,777; Jan. 23.
- Banks, Harry P. (See Davidson, G., Cone, Laucks, and Banks.)
- Banks, John H. (See Banks, Reginald M. and J. H., and Burritt.)
- Banks, Millard S., Buffalo, N. Y. Smoking appliance. 1,952,352; Mar. 27.
- Banks, Reginald M., Plainfield, N. J., J. H. Banks, New York, and W. W. Burritt, Brooklyn, N. Y., deceased; E. G. Burritt, executrix. Automatic fluid feed proportioning method and apparatus. 1,946,474; Feb. 13.
- Banks, Reeve H., Pittsburgh, Pa. Making metal fittings. 1,982,850; Dec. 4.
- Banks, William C., Jersey City, N. J. Insulator support for power rails. 1,984,245; Dec. 11.
- Banks, William H., Jr., Boston, and W. A. Graham, Saugus, assignors to The Macallen Company, Boston, Mass. Mica insulator. 1,984,911; Dec. 18.
- Bannan, Philip L., assignor to Pacific Gear and Tool Works, San Francisco, Calif. Transmission gearing. 1,949,643; Mar. 6.
- Bannen, William J. (See Quartz, W. N., and Bannen.)
- Banner, Otto A., Highland Park, assignor to John Waldron Corporation, Brunswick, N. J. Split roller coupling. 1,979,306; Nov. 6.
- Banner Rock Corporation. (See Huffine, Kenneth W., assignor.)
- Banner Rock Corporation. (See Powell, Edward R., assignor.)
- Banning, Helmut, Duren, Germany. Hollander. 1,946,347; Feb. 6.
- Banning, Thomas A., Jr., Wilmette, assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill. Refrigerating car. 1,984,912; Dec. 18.
- Bannister, Clyde E., Akron, Ohio. Well boring machine. 1,919,397; Dec. 18.
- Bannister, Clyde E., Houston, Tex. Collapsible bit. 1,949,705; Mar. 6.
- Bannister, Clyde E., Houston, Tex. Device for taking cores or samples from wells. 1,955,166; Apr. 17.
- Bannister, Clyde E., Houston, Tex. Well boring machine. 1,965,563; July 10.
- Bannister, Clyde E., Houston, Tex. Fluid motor. 1,965,564; July 10.
- Bannister, James A., Co. Inc. (See Sawmiller, Luke F., assignor.)
- Bannister, James E., Seattle, Wash. Paste tube dispenser. 1,975,915; Oct. 9.
- Bannister, William J. (See Knight, H., Swallen, and Bannister.)
- Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of organic acids by the alkaline fusion of cellulosic materials. 1,972,059; Aug. 28.
- Bannister, William J., and I. J. Krehma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Purification of aliphatic monocarboxylic acid esters. 1,980,711; Nov. 13.
- Banta, Guy L., Portland, Ore. Boiler. 1,981,895; Nov. 27.
- Banta, Len A., Clearfield, Pa. Refrigerating apparatus. 1,985,138; Dec. 18.
- Banta, Len A., Clearfield, Pa., assignor of one-half to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerator display case. 1,981,298; Nov. 20.
- Bantam Ball Bearing Company, The. (See Herrmann, Karl L., assignor.)
- Bantleon, Herbert G., and C. A. Schubert, Rochester, N. Y. Decorative device for cakes or the like. 1,982,723; Dec. 4.
- Banz, Frank X. (See Hulme, P. M., and Banz.)
- Barany, Edmund R., North Bergen, N. J., assignor of one-half to Howard M. Morse, New York, N. Y. Pencil. 1,959,226; May 15.
- Barba, Charles E. (See Richardson, L., and Barba.)
- Barbade, Pierre, Corbell, assignor to Etablissements Tripette & Renaud Fils, Paris, France. Apparatus for mechanically preparing gluten from flour. 1,948,453; Feb. 20.
- Barbarou, Marius J., Neuilly-sur-Seine, France. Eccentric control. 1,982,603; Nov. 27.
- Barbé, Edgar H., Plainfield, N. J. Mobile ash tray. Des. 93,322; Sept. 18.
- Barber, Alfred W., assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Measuring reactance. 1,971,310; Aug. 21.
- Barber Asphalt Company, The. (See Darrow, Marius S., assignor.)
- Barber Asphalt Company, The. (See Douthett, Orin R., assignor.)
- Barber Asphalt Company, The. (See Hayden, Harold P., assignor.)
- Barber-Colman Company. (See Edgar, John, assignor.)

- Barber-Colman Company. (See Peterson, Burt A., assignor.)
- Barber-Colman Company. (See Sinderson, John B., assignor.)
- Barber Gas Burner Company, The. (See Kerr, Harry E., assignor.)
- Barber, George E., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Chromium plating. 1,942,469; Jan. 9.
- Barber, George H., New Rochelle, N. Y., assignor to Bond Electric Corporation, Jersey City, N. J. Electric hand lantern. Des. 91,507; Feb. 20.
- Barber, George H., New Rochelle, and A. Schuch, Glendale, Long Island, N. Y., assignors to Bond Electric Corporation, Jersey City, N. J. Bottom cap. 1,951,817; Mar. 13.
- Barber, George H., New Rochelle, N. Y., and G. B. Pratt, assignors to Bond Electric Corporation, Jersey City, N. J. Vest pocket flash light. 1,969,196; Aug. 7.
- Barber-Greene Company. (See Barber, Harry H., assignor.)
- Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Gathering unit for road paving machines. 1,958,460; May 15.
- Barber, Herbert K. (See Baldwin, P. C., and Schweer, assignors.)
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feed rotary printing press. 1,944,703; Jan. 23.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feeding means for rotary printing presses. 1,958,030; May 8.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet collecting and folding mechanism for printing presses. 1,968,630; July 31.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Signature delivery mechanism for printing presses. 1,971,897; Aug. 28.
- Barber, Howard M., Pawcatuck, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Offset printing press. 1,972,470; Sept. 4.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Signature handling mechanism for printing presses. 1,979,093; Oct. 30.
- Barber, Hugh B. (See de Coriolis, E. G., and Barber.)
- Barber, Joseph L., Greeley, Colo. Printing machine structure. 1,956,089; Apr. 24.
- Barber, Joseph L., Greeley, Colo. Numbering device for photo-printing machines. 1,972,618; Sept. 4.
- Barber, Robert S., New London, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet handling mechanism for printing presses. 1,971,896; Aug. 28.
- Barber, Spencer R., Bury, England. Apparatus for the use of paper-hangers. 1,974,734; Sept. 25.
- Barber, Thomas W., London, England. Autoclave. 1,945,766; Feb. 6.
- Barber, William, Brooklyn, N. Y. Carbon scraper. 1,958,604; May 15.
- Barber, William, Brooklyn, N. Y. Drive for household utensils. 1,958,605; May 15.
- Barber, William, Brooklyn, N. Y. Top for rumble seats. 1,961,731; June 5.
- Barber, William, Brooklyn, N. Y. Automobile construction. 1,962,118; June 12.
- Barber, William, Brooklyn, N. Y. Demountable deep-center rim. 1,977,712; Oct. 23.
- Barber, William C. (See Welsh, H. S., and Barber.)
- Barber, William E., and H. A. Watts, South Farnborough, England. Power transmission mechanism. 1,983,962; Dec. 11.
- Barber, William H., Buffalo, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,984,857; Dec. 18.
- Barber, William R., A. G. Natwick, and M. W. Phelps, Camas, Wash., assignors to Crown Willamette Paper Company, San Francisco, Calif. Copperized paper. 1,947,451; Feb. 20.
- Barber, William R., A. G. Natwick, and M. W. Phelps, Camas, Wash., assignors to Crown Willamette Paper Company, San Francisco, Calif. Resinate copperized paper. 1,947,452; Feb. 20.
- Barbet, Emile A., Paris, France. Apparatus for continuous distillation of heavy hydrocarbons. 1,944,057; Jan. 16.
- Barbet, Emile A., Paris, France. Apparatus for the final refining of benzols washed with acid. 1,979,185; Oct. 30.
- Barbier, Henri, Geneva, Switzerland. Preparation of butyl-cymene. 1,951,123; Mar. 13.
- Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Rotary cup machine. 1,953,917; Apr. 10.
- Barbieri, David, Garwood, N. J., and J. Sachs, Jamaica, N. Y. Sash light controlling means for French windows or the like. 1,953,845; Apr. 3.
- Barbour, Ella, Los Angeles, Calif. Extractor cover. 1,964,555; June 26.
- Barbour, Perley E. (See Barbour, Walter G., assignor.)
- Barbour, Walter G., assignor to P. E. Barbour, Quincy, doing business as Barbour Welting Company, Brockton, Mass. Making welting fillets and strips. 1,943,410; Jan. 16.
- Barbour Welting Company. (See Barbour, Walter G., assignor.)
- Barbulesco, Constantin D. (See Edwards, P. S., and Barbulesco.)
- Barcalo, Edward J., assignor to Six-Way Corporation, Buffalo, N. Y. Pillow or similar article. Des. 91,262; Jan. 2.
- Barcalo Manufacturing Company. (See Vallone, Charles, assignor.)
- Barclay, Ivor G. (See Plym, F. J., and Barclay.)
- Barclay, Robert E., Chicago, Ill. Lighting effect and creating same. 1,952,353; Mar. 27.
- Barclay, Robert E., assignor to Federal Electric Company, Chicago, Ill. Sign. 1,946,726; Feb. 13.
- Barclay, Robert E., assignor to Federal Electric Company, Chicago, Ill. Electrical discharge device. 1,963,961; June 26.
- Barclay, Robert E., assignor to Federal Electric Company, Chicago, Ill. Illuminating device. 1,963,962; June 26.
- Barclay, Robert E., assignor to Federal Electric Company, Chicago, Ill. Discharge apparatus and method. 1,963,963; June 26.
- Barclay, Robert E., assignor to Federal Electric Company, Chicago, Ill. Sign. 1,963,964; June 26.
- Barclay, Robert E., assignor to Federal Electric Company, Chicago, Ill. Illuminating device. 1,974,888; Sept. 25.
- Barclay, Robert E., and N. Berggren, Chicago, Ill., assignor to Federal Electric Company. Sign. 1,943,281; Jan. 16.
- Barclay, Robert H., New York, N. Y. Headgear for supporting telephone instruments. 1,951,332; Mar. 20.
- Barclay, William R. (See Bates, A., Barclay, and Hazelton.)
- Barclay, Wright, New York, N. Y. Automobile body. Re19,078; Feb. 13.
- Barclay, Wright, New York, N. Y. Sharpener cap. 1,958,461; May 15.
- Barco Manufacturing Company. (See Demarest, Thomas W., assignor.)
- Barco Manufacturing Co. (See McGuirk, Charles W., assignor.)
- Bard, Charles T., Norwich, Conn. Gas meter bar. 1,947,371; Feb. 13.
- Bard, Charles T., Gales Ferry, Conn. Automatic gas shut-off. 1,947,372; Feb. 13.
- Bard, Dale R., Bryan, Ohio. Hot air furnace. 1,941,822; Jan. 2.
- Bard, Francis N. (See Martin, J. C., jr., and Bard.)
- Bard, Francis N., Highland Park, Ill., assignor to Wallworth Patents Inc., Boston, Mass. Lubricated plug valve. 1,964,782; July 3.
- Bard, Otis L., Spokane, Wash. Vehicle advertising display apparatus. 1,973,276; Sept. 11.
- Bard-Parker Company. (See Parker, M., and Ladd, assignors.)
- Bardello, Antonio, Richmond Hill, N. Y. Drop forged attaching clip. 1,962,888; June 12.
- Barden, Earl M., assignor to Packard Motor Car Company, Detroit, Mich. Painting instrument. 1,956,848; May 1.
- Barden, Myron L., Plover, Wis. Axle stub-removing tool. 1,968,733; July 31.
- Barden, William S., assignor to Radio Corporation of America, Grasmere, Staten Island, N. Y. Superheterodyne receiver. 1,944,117; Jan. 16.
- Barden, William S., Stapleton, Staten Island, N. Y., assignor to Radio Corporation of America. Automatic tone control. 1,947,822; Feb. 20.
- Barden, William S., Stapleton, Staten Island, N. Y., assignor to Radio Corporation of America. Automatic gain control. 1,974,909; Sept. 25.
- Bardes, E. H., Range and Foundry Company, The. (See Bardes, Oliver L., assignor.)
- Bardes, Oliver L., assignor to The E. H. Bardes Range and Foundry Company, Cincinnati, Ohio. Furnace stoker. 1,965,761; July 10.
- Bardin, Joseph, Versailles, France, assignor to General Electric Company. Electrohydraulic operating mechanism. 1,947,241; Feb. 13.
- Bardons & Oliver. (See Libby, William L., assignor.)
- Bardsley, Willard W., Providence, assignor to Wardwell Braiding Machine Company, Central Falls, R. I. Servicing machine. 1,943,716; Jan. 16.
- Bardsley, Willard W., Providence, assignor to Wardwell Braiding Machine Company, Central Falls, R. I. Braiding machine. 1,968,240; July 31.
- Bardt, Hans, Berlin, Germany. Hardening iron and steel. 1,976,210; Oct. 9.
- Bardwell, Edwin A., assignor to H. H. Mayhew Company, Shelburne Falls, Mass. Cold chisel. Des. 92,385; June 5.
- Bardwell, Joseph. (See Baenziger, Leonard N., assignor.)
- Bardwell, Joseph. (See Prouty, H. G., and Bardwell.)
- Bareiss, Max. (See Simon, H., and Bareiss.)
- Barels, James, Chicago, Ill. Engine. 1,976,761; Oct. 16.
- Barennes, Robert P., Bordeaux, France. Lug matrix for type metal. 1,972,674; Sept. 4.
- Barényi, Árpád, Berlin-Lichterfelde, assignor to Voigtlander & Sohn Aktiengesellschaft, Brunswick, Germany. Photographic camera. 1,941,784; Jan. 2.
- Barényi, Árpád, Berlin-Lichterfelde, assignor to Voigtlander & Sohn Aktiengesellschaft, Brunswick, Germany. Retarding device for gears. 1,972,971; Sept. 11.
- Baresch, William F., College Point, N. Y. Making igniter hoods. 1,977,113; Oct. 16.

- Barfield, Andrew R., East Orange, assignor, by mesne assignments, to G. G. Cromartie and E. W. Nielsen, Maplewood, N. J. Electro-acoustic translating device. 1,973,277; Sept. 11.
- Barfuss, Rudolf, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of white pigment. 1,982,604; Nov. 27.
- Barge, Cecil E., Philadelphia, Pa. Wind direction controlled switch. 1,965,212; July 3.
- Barge, William D., Pelham, assignor to The George S. Holmes Co. Inc., New York, N. Y. Ceiling hanger. 1,982,565; Nov. 27.
- Bargeboer, Adolf, The Hague, assignor to Naamloze Venootschap: Machinefabriek G. Dijkers & Co., Hengelo, and Warner Lulofs, Amsterdam, Netherlands. Liquid-level indicator. 1,971,806; Aug. 28.
- Barger, Paul, Greenfield, Mass. Wick. 1,984,719; Dec. 18.
- Barghausen, Herman P., Pittsburgh, and C. N. Smith, Duquesne, Pa. Patient position supporting attachment for hospital beds. 1,968,120; July 31.
- Barghausen, John F., Washington, D. C., dedicated, by assignment, to the Government and the People of the United States of America. Marking machine. 1,965,276; July 3.
- Bargman, Theodore, Detroit, Mich. Removable core lock. 1,947,443; Feb. 20.
- Barhoff, Fred W., jr. (See Barhoff, Fred W.)
- Barhoff, Fred W., Hartford, and F. W. Barhoff, jr., West Hartford, Conn. Fuel cabinet for oil burners. 1,978,832; Oct. 30.
- Baribeau, Frederick H., et al. (See Tabor, William H., assignor.)
- Baril, Joseph U. (See Baril, Lucien R. and J. U.)
- Baril, Lucien R., River Edge, and J. U. Baril, Livingston, N. J. Electric lock. 1,946,384; Feb. 6.
- Barish, Thomas, Jamestown, N. Y. Universal Joint. 1,968,925; Aug. 7.
- Bark, William, Gary, Ind., assignor to National Tube Company. Manufacture of seamless tubes. 1,945,929; Feb. 6.
- Bark, William, Gary, Ind., and F. W. Waterman, Pittsburgh, Pa., assignors to National Tube Company. Method and apparatus for making tubes. 1,979,726; Nov. 6.
- Bark, William, and O. F. Olson, Gary, Ind., assignors to National Tube Company. Tube mill layout. 1,980,368; Nov. 13.
- Barker, Arthur P., Lynn, Mass. Nail setter. 1,977,225; Oct. 16.
- Barker, Arthur R., Littleton, Mass. Locking mechanism. 1,962,049; June 5.
- Barker, Aubrey W. and B. R., Gladwyne, Pa. Carburetor control for motor cars. 1,960,432; May 29.
- Barker, Barrie R. (See Barker, Aubrey W. and B. R.)
- Barker, Clifford H., Allston, Mass. Hose coupling. 1,978,245; Oct. 23.
- Barker, Ernest. (See Barker, Frederick E., and P. V.)
- Barker, Ernest L., Houston, Tex. Well screen. 1,983,016; Dec. 4.
- Barker, Frederick and E., Heywood, and P. V. Barker, Styl, England. Process and apparatus for bleaching fabrics in open width condition. 1,951,745; Mar. 20.
- Barker, George A., Rochester, N. Y. Windshield. 1,944,160; Jan. 23.
- Barker, George A., Rochester, N. Y. Gasket. 1,946,475; Feb. 13.
- Barker, George A., Rochester, N. Y. Differential lubricating device. 1,953,068; Apr. 3.
- Barker, George A., Rochester, N. Y. Apparatus for detecting forest fires. 1,959,702; May 22.
- Barker, George A., Rochester, N. Y. Lubricating system. 1,966,434; July 17.
- Barker, George A., Rochester, N. Y. Ventilating system. 1,968,119; July 31.
- Barker, George A., Rochester, N. Y. Windshield cleaner. 1,982,624; Dec. 4.
- Barker, George A., Rochester, N. Y. Dual manifold construction. 1,982,625; Dec. 4.
- Barker, Harry J., Oak Park, Ill. Aquatic window attraction. 1,976,762; Oct. 16.
- Barker, Jesse W., Geneva, N. Y. Service drawer for ranges. 1,951,390; Mar. 20.
- Barker, Jesse W., Geneva, N. Y. Broiler oven. 1,960,365; May 29.
- Barker, Jesse W., Geneva, N. Y. Oven door. 1,969,197; Aug. 7.
- Barker, John, Leeds, England. Apparatus for playing a game. 1,944,628; Jan. 23.
- Barker, Lester L., Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill. Mercury switch. 1,957,438; May 8.
- Barker, Lewis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,959,943; May 22.
- Barker, Lyle M., O. E. Young, and O. C. Ralston, assignors to United Verde Copper Company, Clarkdale, Ariz. Froth control in ore flotation. 1,973,278; Sept. 11.
- Barker, Percy E., Towson, Md., assignor, by mesne assignments, to The Cinderella Washing Machine Company, Cleveland, Ohio. Washing apparatus. 1,955,403; Apr. 17.
- Barker, Percy E., Towson, Md., assignor to The Cinderella Washing Machine Company, Cleveland, Ohio. Washing machine. 1,963,520; June 19.
- Barker, Percy E., assignor to The Black & Decker Manufacturing Company, Towson, Md. Bearing. 1,972,581; Sept. 4.
- Barker, Percy V. (See Barker, Frederick E., and P. V.)
- Barker, Ralph D., Brentwood Heights, Calif. Curtain structure. 1,950,648; Mar. 13.
- Barker, Robert W., Philadelphia, Pa. Automatic machine for feeding and cutting sheet material. 1,948,641; Feb. 27.
- Barker, William T., jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Mold charge guiding means for glass feeding apparatus. 1,950,339; Mar. 6.
- Barkley, Earnest L., jr. (See Snow, Early L., assignor.)
- Barkow, August W., Milwaukee, Wis. Clothespin. 1,978,980; Oct. 30.
- Barkow, Carl, Lubeck, Germany. Deodorizing sanitary napkins. 1,950,286; Mar. 6.
- Barks, Frank S., St. Louis, Mo. Coupler. 1,959,517; May 22.
- Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Turret support for lubricating apparatus. Des. 91,263; Jan. 2.
- Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 1,950,158; Mar. 6.
- Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 1,959,404; May 22.
- Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 1,970,591; Aug. 21.
- Barks, Frank S., St. Louis, and A. P. Fox, University City, assignors to Lincoln Engineering Company, St. Louis, Mo. Coupler. 1,966,278; July 10.
- Barksdale, George R., Greenwood, S. C., assignor to The Bryant Electric Company, Bridgeport, Conn. Heater circuit and switch. 1,960,179; May 22.
- Barlatier, Andre. (See de la Garde, Theodor M., assignor.)
- Barley, John H. (See Cole, R. A., and Tresler, assignors.)
- Barlow, Charles B. (See Stoessling, L., Field, and Barlow.)
- Barlow, Harry T., assignor to The Marvel Window Cleaner Incorporated, Cleveland, Ohio. Squeegee holder. 1,952,476; Mar. 27.
- Barlow, Roland W., and S. G. Hoffman, Chicago, Ill. Lamp construction. 1,950,131; Mar. 6.
- Barlow, Roland W., Chicago, and S. G. Hoffman, Park Ridge, Ill., assignors of one-third to said Barlow and two-thirds to said Hoffman. Lamp fixture. 1,950,130; Mar. 6.
- Barlow, Roy G. (See Clithero, S. D., and Barlow.)
- Barlow, Wilfrid, Methuen, Mass. Induction motor. 1,957,380; May 1.
- Barnache, Michel, New York, N. Y. Clasp. 1,971,152; Aug. 21.
- Barmer Maschinenfabrik A.-G. (See Sieper, Fritz, assignor.)
- Barmer Maschinenfabrik Aktiengesellschaft. (See Bochemann, Otto, assignor.)
- Barmer Maschinenfabrik Aktiengesellschaft. (See Lenk, Mathias, assignor.)
- Barmer Maschinenfabrik Aktiengesellschaft. (See Lenk, Wilhelm, assignor.)
- Barnaby, James C., and R. C. Mathewson, Buffalo, assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Internal combustion engine. 1,968,982; Aug. 7.
- Barnack, Oskar, assignor to Ernst Leitz, Optische Werke, G. m. b. H., Wetzlar, Germany. Setting for the objective of photographic cameras. 1,951,264; Mar. 13.
- Barnack, Oskar, assignor to E. Leitz, Optische Werke, G. m. b. H., Wetzlar, Germany. Setting for the objectives of photographic cameras. 1,960,044; May 22.
- Barnack, Oskar, assignor to E. Leitz, Optische Werke, G. m. b. H., Wetzlar, Germany. Photographic camera. 1,967,279; July 24.
- Barnack, Oskar, assignor to Ernst Leitz, Optische Werke, G. m. b. H., Wetzlar, Germany. Photographic camera. 1,972,640; Sept. 4.
- Barnard, Dudley J., Barking, England. Grab. 1,968,983; Aug. 7.
- Barnard, John L., Richmond Heights, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Electric motor. 1,967,048; July 17.
- Barnard, Kenneth H., Andover, assignor to Pacific Mills, Lawrence, Mass. Buffing wheel, buffing wheel fabric, and treating the fabric. 1,964,901; July 3.
- Barnard, Monroe G., New York, and H. D. Ellsworth, Flushing, assignors to American Photoelectric Corporation, New York, N. Y. Method and apparatus for making electrical measurements. 1,960,097; May 22.
- Barnard, Norris C., Pottstown, Pa. Railway track crossover. 1,964,804; July 3.
- Barnard, Randolph H., Toledo, Ohio, assignor to Vacuum Seal Company, Inc., New York, N. Y. Closure means for hermetically sealed jars. 1,956,555; May 1.
- Barnby, Herbert A., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for vacuumizing and sealing containers. 1,967,346; July 24.
- Barnes, Allen L., Oak Park, assignor to J. H. Hinshaw, trustee, Wilmette, Ill. Driving mechanism. 1,967,547; July 24.
- Barnes, Arthur A., Philadelphia, Pa. Cube tray heating unit. 1,974,146; Sept. 18.
- Barnes Drill Company. (See Johnson, Albert M., assignor.)
- Barnes Drill Co. (See Johnson, A. M., and Fairbairn, assignors.)

- Barnes Drill Co. (See Johnson, A. M., and Holland, assignors.)
- Barnes, Edward J. (See Van Seyle, R., Smith, and Barnes.)
- Barnes, Eugene L., Buffalo, N. Y. Refrigerator. 1,983,652; Dec. 11.
- Barnes, Forrest E. (See Knapp, L. S., and Barnes.)
- Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Tube coupling. 1,943,717; Jan. 16.
- Barnes, George W., St. Louis Park, Minn. Support for trousers. 1,974,559; Sept. 25.
- Barnes, Gladeon M., U. S. Army, Hastings, Mich. Muzzle brake for guns. 1,948,496; Feb. 27.
- Barnes, Gladeon M., U. S. Army, Hastings, Mich. Gun. 1,948,497; Feb. 27.
- Barnes, Gladeon M., Hastings, Mich. Gun carriage. 1,951,338; Mar. 20.
- Barnes, Harold E., East Orange, N. J. System for recording the timing conditions in internal combustion engine ignition circuits. 1,957,432; May 8.
- Barnes, Ida T., et al. (See Fink, Leo M., assignor.)
- Barnes, James F., and J. O. Reinecke, assignors to Chicago Electric Manufacturing Co., Chicago, Ill. Electric toaster. Des. 91,978; Apr. 17.
- Barnes, John A., Chappaqua, assignor to The Superheater Company, New York, N. Y. Superheater boiler. 1,957,929; May 8.
- Barnes & Jones, Incorporated. (See Oberg, Clifford R., assignor.)
- Barnes, Leslie W. (See Stegeman, H. J., and Barnes.)
- Barnes, Leslie W., Trumbull, assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Rubber roller grinding machine. 1,968,550; July 31.
- Barnes Scale Company. (See Barnes, W. J., and Winkler, assignors.)
- Barnes Scale Company. (See Kopitski, Aloysius, assignor.)
- Barnes Scale Company. (See Winkler, Herman G., assignor.)
- Barnes, Stanley H., New Rochelle, assignor to Gleason-Tiebout Glass Company, Maspeth, Long Island, N. Y. Lighting fixture. 1,982,191; Nov. 27.
- Barnes, Thomas E., and W. F. Cobb, Utica, N. Y. Pouring spout for containers. 1,944,058; Jan. 16.
- Barnes, Thomas F., Los Angeles, assignor to Fibreboard Products Inc., San Francisco, Calif. Fruit basket. 1,974,095; Sept. 18.
- Barnes, Wallace, Company. (See Cook, Raymond W., assignor.)
- Barnes, Wallace, Company, The. (See Tyrrell, Oscar S., assignor.)
- Barnes, Walter C. (See Dix, A., and Barnes.)
- Barnes, Walter I., assignor of one half to L. B. Carpenter, Rochester, N. Y. Shoe lasting machine. 1,970,684; Aug. 21.
- Barnes, Walton J., Birmingham, and H. G. Winkler, assignors to Barnes Scale Company, Detroit, Mich. Slicing machine. 1,941,532; Jan. 2.
- Barnes, William A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Food conveyer construction. 1,964,805; July 3.
- Barnes, William B., Indianapolis, Ind. Freewheel control. 1,961,326; June 5.
- Barnes, William B., Indianapolis, Ind. Planetary transmission and synchronizer. 1,983,834; Dec. 11.
- Barnes, William F., assignor to St. Louis Structural Steel Co., East St. Louis, Ill. Support. 1,944,833; Jan. 23.
- Barnett, Charles A., Cleveland Heights, and H. W. Steindorf, assignors to The Foundry Equipment Company, Cleveland, Ohio. Recirculating oven. 1,950,212; Mar. 6.
- Barnett, Charles A., Cleveland Heights, and H. W. Steindorf, assignors to The Foundry Equipment Company, Cleveland, Ohio. Recirculating oven. 1,950,213; Mar. 6.
- Barnett, Charles A., Cleveland Heights, and H. W. Steindorf, assignors to The Foundry Equipment Company, Cleveland, Ohio. Drawer oven. 1,959,518; May 22.
- Barnett, Charles J. (See Sellers, N. A., and Barnett.)
- Barnett, David, New York, N. Y. Pianoforte keyboard. 1,958,227; May 8.
- Barnett, David A., Hamden, Conn. Transmission system. 1,979,435; Nov. 6.
- Barnett, David A., Hamden, Conn. Transmission system. 1,980,656; Nov. 13.
- Barnett, David A., Hamden, Conn., assignor, by mesne assignments, to Radio Research Laboratories, Inc. Electrode for electron-discharge devices. 1,974,945; Sept. 25.
- Barnett, Edward A., Port Arthur, Tex. Automobile mechanism. 1,979,523; Nov. 6.
- Barnett, Harold M., assignor to S. M. A. Corporation, Cleveland, Ohio. Preparing carotene pigment material. 1,978,981; Oct. 30.
- Barnett, Herbert, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Bottom filler. 1,964,806; July 3.
- Barnett, John B., Washington, D. C. Card, picture, and sign exhibiting. 1,970,215; Aug. 14.
- Barnett, Roy I. (See St. John, Mary W., assignor.)
- Barnett, Walter, Humberstone, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Cement dispensing device. 1,953,209; Apr. 3.
- Barney, Fred H. (See Gourley, W. J., and Barney.)
- Barney, Freeman. (See Lee, J. E., and Barney.)
- Barnhart, George E., Pasadena, Calif. Golf club. Des. 92,571; June 26.
- Barnhart, George E., Pasadena, Calif. Golf club. Des. 93,756; Nov. 6.
- Barnhart, George E., Pasadena, Calif. Golf club. Des. 93,862; Nov. 20.
- Barnhart, George E., Pasadena, Calif. Airfoil construction. 1,974,407; Sept. 25.
- Barnhart, Homer M., Pomona, Calif. Water sprinkler. 1,969,718; Aug. 14.
- Barnhart, Job R., assignor of one-half to Walter M. Scott, Lakewood, Ohio. Tube tester. 1,946,466; Feb. 13.
- Barnhart, William R. (See Ragan, Frederick H., assignor.)
- Barnitt, Jesse B., Pittsburgh, and R. B. Derr, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Heat insulating structure. 1,952,784; Mar. 27.
- Barnsteiner, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric range. Des. 92,833; July 24.
- Barnum, Howard N., Cleveland, Ohio, assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Toy basket-ball game. 1,982,491; Nov. 27.
- Baron Dress Company. (See Baron, Julius, assignor.)
- Baron, Julius, Brookline, assignor to Baron Dress Company, Boston, Mass. Dress. Des. 91,751; Mar. 20.
- Baron, Julius, Brookline, assignor to Baron Dress Company, Boston, Mass. Coat. Des. 92,332; May 29.
- Barone, Horace O., Buffalo, N. Y. Spool holder. Des. 93,378; Sept. 25.
- Baroni, Sante. (See Sbicca, F., Baroni, and Dunbar.)
- Barr, Clarence D., and S. D. Moxley, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Sand ramming equipment station for flasks. 1,959,227; May 15.
- Barr, Clarence D., S. D. Moxley, and J. L. Cooper, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Apparatus for freeing and removing hollow castings from flasks. 1,960,366; May 29.
- Barr, Clarence D., and S. D. Moxley, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Centrifugal casting machine for casting hollow metal bodies. 1,983,431; Dec. 4.
- Barr, Giles V., assignor to Service Station Equipment Company, Conshohocken, Pa. Hose reel. 1,948,158; Feb. 20.
- Barr, John L., Chevy Chase, Md. Device for driving a vehicle sideward. Re19,247; July 24.
- Barr, John L., Chevy Chase, Md. Device for driving a vehicle sideward. 1,954,308; Apr. 10.
- Barr, John L., Chevy Chase, Md. Parking apparatus. 1,963,879; June 19.
- Barr, John L., Chevy Chase, Md. Vehicle lifting device. 1,967,219; July 24.
- Barr, John L., Chevy Chase, Md. Parking device. 1,969,198; Aug. 7.
- Barr and Stroud, Limited. (See French, James W., assignor.)
- Barr, Walter A., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Automatic control system for gas-making apparatus. 1,948,094; Feb. 20.
- Barra, Albin, Danzig, Free City of Danzig. Husking cereals. 1,981,409; Nov. 20.
- Barraja-Frauenfelder, Joseph, and W. C. Magee, Philadelphia, J. H. Thomas, Brookline, Pa., and P. P. Krug, Harrison, N. J., assignors to The Strategic Demolition Torpedo Company, Inc., Philadelphia, Pa. Strategic demolition torpedo. 1,971,102; Aug. 21.
- Barrall, Arthur L., Carlstadt, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Apparatus for cutting roofing elements. 1,961,896; June 5.
- Barrans, William T., and B. K. Ford, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand assembling apparatus. 1,954,979; Apr. 17.
- Barratt, Joseph, Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button. 1,985,758; Dec. 25.
- Barreda, Julian C. (See McLaughlin, H. J., and Barreda.)
- Barrel Fitting and Seal Corporation of America. (See Schwartz, Henry, assignor.)
- Barrere, Gerald N. (See Caster, J. E., Theler, and Barrere.)
- Barreres, Domingo, assignor of one-half to A. Cardona, New Britain, Conn. Automobile wheel. 1,980,314; Nov. 13.
- Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 1,945,587; Feb. 6.
- Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Multiple lift truck. 1,954,980; Apr. 17.
- Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 1,981,983; Nov. 27.
- Barrett, Arthur M., assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 1,958,292; May 8.
- Barrett, Charles E., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Pile fabric. 1,953,069; Apr. 3.
- Barrett Company, The. (See Adams, Floyd W., assignor.)
- Barrett Company, The. (See Atwater, Christopher G., assignor.)
- Barrett Company, The. (See Brandon, George E., assignor.)

- Barrett Company The. (See Cline, Edwin L., assignor.)
 Barrett Company, The. (See Cooper, William C., Jr., assignor.)
 Barrett Company, The. (See Dantz, Thomas M., assignor.)
 Barrett Company, The. (See Eckert, Clarence R., assignor.)
 Barrett Company, The. (See Ellms, Edward H., assignor.)
 Barrett Company, The. (See Hagens, J., Rosenstein, and Hirschkind, assignors.)
 Barrett Company, The. (See Harshberger, Norman P., assignor.)
 Barrett Company, The. (See Harvey, Edward W., assignor.)
 Barrett Company, The. (See Holdsworth, Richard A., assignor.)
 Barrett Company, The. (See Jones, Russell M., assignor.)
 Barrett Company, The. (See McCloskey, Gregory E., assignor.)
 Barrett Company, The. (See Menshon, William R., assignor.)
 Barrett Company, The. (See Miller, Stuart P., assignor.)
 Barrett Company, The. (See Miller, S. P., and Hamlin, assignors.)
 Barrett Company, The. (See Schulz, William P., assignor.)
 Barrett Company, The. (See Stupp, Charles G., assignor.)
 Barrett Company, The. (See Volkhardt, Charles E., assignor.)
 Barrett Company, The. (See Weiss, John M., assignor.)
 Barrett Company, The. (See Wittenberg, Lester, assignor.)
 Barrett Company, The. (See Yeager, Frank W., assignor.)
 Barrett Company, The. (See Zavertink, Joseph, Jr., assignor.)
 Barrett-Cravens Company. (See Barrett, Arthur M., assignor.)
 Barrett, Edward L., assignor to Utah Radio Products Co., Chicago, Ill. Direct current transforming device. 1,946,563; Feb. 13.
 Barrett, Edward R., assignor to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Three-way dumping body. 1,955,167; Apr. 17.
 Barrett, Edwin W., Boston, assignor, by mesne assignments, to Crompton & Knowles Loom Works, Worcester, Mass. Filling feeler device for change-box looms. 1,956,114; Apr. 24.
 Barrett, Francis J., Jr., assignor to Candy & Company, Inc., Chicago, Ill. Sanctuary lamp and candle therefor. 1,975,496; Oct. 2.
 Barrett, George J. (See Robichaux, S., and Barrett.)
 Barrett, George J., Houston, and S. Robichaux, Saratoga, Tex. Sample taking apparatus. 1,948,632; Feb. 27.
 Barrett, Glenn J., Grand Rapids, Mich., assignor to Portable Adding Machine Company, New York, N. Y. Automatic signal for adding machines. 1,947,512; Feb. 20.
 Barrett, Glenn J., Grand Rapids, Mich., assignor to Portable Adding Machine Company, New York, N. Y. Adding machine. 1,949,445; Mar. 6.
 Barrett, Glenn J., Grand Rapids, Mich., assignor to Portable Adding Machine Company, Syracuse, N. Y. Manual clear signal device for adding machines. 1,949,706; Mar. 6.
 Barrett, Glenn J., Grand Rapids, Mich., assignor to Portable Adding Machine Company, New York, N. Y. Cipher eliminating mechanism. 1,951,592; Mar. 20.
 Barrett, Glenn J., Grand Rapids, Mich., and C. H. Bradt, Groton, assignors to Portable Adding Machine Company, New York, N. Y. Adding and listing machine. 1,949,446; Mar. 6.
 Barrett, H. B., Ltd. (See Barrett, Harry B., assignor.)
 Barrett, Harold J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Low viscosity vinyl polymer. 1,942,531; Jan. 9.
 Barrett, Harold J., and G. L. Dorough, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion. 1,967,220; July 24.
 Barrett, Harry B., Los Angeles, Calif. Grinder attachment for brake relining machines. 1,949,070; Feb. 27.
 Barrett, Harry B., Los Angeles, Calif., assignor to H. B. Barrett, Ltd., Las Vegas, Nev. Brake drum truing machine. 1,977,791; Oct. 23.
 Barrett, Joseph M., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Valve. 1,970,726; Aug. 21.
 Barrett, Joseph M., East Cleveland, Ohio. Garment hem marker. 1,979,789; Nov. 6.
 Barrett, Laurence E., and C. Johnson, Montreal, Quebec, Canada. Hydraulic coal cleaner and grader. 1,980,712; Nov. 13.
 Barrett, Leon, Philadelphia, Pa. Percolating unit. Des. 91,797; Mar. 27.
 Barrett, Leon, Philadelphia, Pa. Percolating unit. 1,963,012; June 12.
 Barrett, Leon J. (See Hyde, William A., assignor.)
 Barrett, Leon J., and G. E. Garno, Worcester, Mass.; said Garno assignor to said Barrett. Centrifugal machine. 1,958,123; May 8.
 Barrett, William, Sioux City, Iowa. Pocket gopher trap. 1,972,641; Sept. 4.
 Barrie, James C., Montreal, Quebec, Canada. Valve. 1,943,805; Jan. 16.
 Barrier, Mike G., Tampa, Fla. Control device for oil or gas wells and pipe lines. 1,949,672; Mar. 6.
 Barringer, Elmer D. (See White, Harry H., assignor.)
 Barringer, Elmer D., Cleveland, Ohio. Weather-strip threshold. 1,966,402; July 10.
 Barringer, Elmer D., Cleveland, Ohio. Weather strip. 1,973,461; Sept. 11.
 Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Abradant material and its manufacture. 1,980,151; Nov. 6.
 Barrington, William F., Quincy, Mass. Sprinkler. 1,942,271; Jan. 2.
 Barron, Abraham, New York, N. Y. Folding carton. 1,973,035; Sept. 11.
 Barron, Abraham, New York, N. Y. Knockdown floor stand or similar article. 1,975,497; Oct. 2.
 Barron-Gray Packing Co. Inc. (See Erickson, Arvid M., assignor.)
 Barron, William L., Laurence Harbor, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Darning foot for sewing machines. 1,943,254; Jan. 9.
 Barros, Ramón, Córdoba, Argentina. Helicoidal shock absorber. 1,952,902; Mar. 27.
 Barrow, James T., New York, N. Y. Hot water system. 1,958,736; May 15.
 Barrowman, Arthur H., Attleboro, Mass., assignor to Kesterman Bros. Mfg. Co., Providence, R. I. Foldable buckle. 1,948,610; Feb. 27.
 Barrows, Allan S., Los Angeles, Calif. Hand brake. 1,960,935; May 29.
 Barrows, Donald S. (See Kadel, B. W., and Barrows.)
 Barrows, Donald S., Rochester, N. Y. Translucent panel. 1,973,792; Sept. 18.
 Barrows, Donald S., Rochester, N. Y. Organ valve structure. 1,980,964; Nov. 13.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Cushioning mechanism. 1,946,476; Feb. 13.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,946,828; Feb. 13.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft yoke. 1,951,318; Mar. 13.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,951,319; Mar. 13.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,962,704; June 12.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,963,066; June 19.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,963,067; June 19.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,963,068; June 19.
 Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Journal box. 1,964,338; June 26.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,966,916; July 17.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Yoke and coupler butt connection. 1,972,855; Sept. 11.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Cushioning mechanism. 1,974,596; Sept. 25.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,978,617; Oct. 30.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,979,217; Oct. 30.
 Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,979,524; Nov. 6.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,980,965; Nov. 13.
 Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,985,594; Dec. 25.
 Barry, Fred W. (See MacNab, O., Broido, Loehr, Barry, and Chamberlin.)
 Barry, John C., Erie, Pa., assignor to General Electric Company. Power system. 1,969,495; Aug. 7.
 Barry, Joseph A., Philadelphia, Pa. Game. 1,945,798; Feb. 6.
 Barry, Robert E., assignor of one-half to R. T. Bassett, Washington, D. C. Method and apparatus for treating hydrocarbon oils. 1,952,527; Mar. 27.
 Barry, Robert L., Downers Grove, assignor to Goodman Manufacturing Company, Chicago, Ill. Transfer switch. 1,957,381; May 1.
 Barry-Wehmiller Machinery Company. (See Herold, J. L., and Dawson, assignors.)
 Bars, Jacques M., New York, N. Y., assignor to General Electric Company. Clock case. Des. 93,602; Oct. 16.
 Barsch, William, Paris, France, assignor to the firm Industrie A. G. Allegro Ermenbrucke, Luzern, Switzerland. Device for sharpening the blades of safety razors. 1,943,156; Jan. 9.

- Barske, Ulrich, assignor to F. Kruckenberg and C. Stedefeld, Hannover, Germany. Individual two- or multi-stage axle drive for rail vehicles with Föttinger gears. 1,984,958; Dec. 18.
- Barss, Knobel & Young, Inc. (See Knobel, Max, assignor.)
- Barstad, Sven O., Brooklyn, N. Y. Cleaner and duster. 1,966,702; July 17.
- Barstow, Alfred. (See Ross, Samuel E., assignor.)
- Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Inhibiting the nitridation of magnesium. 1,956,971; May 1.
- Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Casting magnesium and alloys thereof. 1,959,297; May 15.
- Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Abstracting moisture from an aeriform body. 1,952,406; Mar. 27.
- Barstow, Edwin O., S. B. Heath, and F. R. Minger, assignors to The Dow Chemical Company, Midland, Mich. Separating calcium and magnesium chlorides. 1,978,403; Oct. 30.
- Barstow, Francis L., Springfield, Mass., assignor to New York Belting & Packing Company, Passaic, N. J. Suction apparatus. 1,973,982; Oct. 30.
- Bart, Blasius, East Orange, N. J., assignor to Precious Metals Developing Company, Inc. Tarnish resisting silver. 1,947,180; Feb. 13.
- Bartel, Jerome E., et al. (See Larger, John B., assignor.)
- Bartel, Paul W., assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Spike for sport shoes. 1,982,588; Nov. 27.
- Bartelink, Albertus A., Eindhoven, Netherlands, assignor to Radio Corporation of America. Ferromagnet system for converting electric oscillations into acoustic vibrations or conversely. 1,943,884; Jan. 16.
- Bartels, Frank, Sacramento, Calif., assignor to Defiance Spark Plug, Incorporated, Toledo, Ohio. Ignition tester. 1,946,518; Feb. 13.
- Bartels, Friedrich, Hamburg, Germany. Arrangement for producing multiple total reflections. 1,967,548; July 24.
- Bartels, Henry, Chicago, Ill. Tile panel fabricating mold. 1,968,189; July 31.
- Bartels, Reinhard B., Marblehead, Mass. Shoe shank stiffener. 1,963,396; June 19.
- Bartenfeld, Wilford G., Lorain, Ohio. Making the joints between structural members water tight. 1,944,914; Jan. 30.
- Bartenfeld, Wilford G., Lorain, Ohio. Channel construction for the tops of tanks of vessels. 1,944,915; Jan. 30.
- Barth, Edwin J., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Chlorination of paraffin waxes. 1,953,286; Apr. 3.
- Barth, Glenn A. (See Barth, John J. and G. A.)
- Barth, John J. and G. A., Cleveland, Ohio. Jig saw. 1,957,156; May 1.
- Barth, Joseph L., East Cleveland, assignor, by mesne assignments, to The National City Bank, Cleveland, and E. W. Vail, Cleveland Heights, Ohio, co-trustees under the will of G. I. Vail, deceased. Shutter construction. 1,961,327; June 5.
- Barth, William L., Venice, Calif. Electrical connector. 1,974,790; Sept. 25.
- Barthelemy, Edmond M. C., Brive-la-Gaillarde, France. Differential flotation of sulphureted copper and zinc ores. 1,950,537; Mar. 13.
- Barthelemy, Henri L., Milan, Italy, assignor to Ruthaldo Company (Inc.), New York, N. Y. Producing cellulose esters. 1,943,507; Jan. 16.
- Barthelemy, Paul P., St. Paul, Minn., and J. Wilson, Chicago, Ill., assignors to Universal Draft Gear Attachment Company. Brake pipe clamp. 1,967,075; July 17.
- Barthelemy, Pierre, Paris, France. Friction operated mechanism. 1,963,880; June 19.
- Barthelemy, Pierre, Paris, France. Change speed mechanism. 1,973,519; Sept. 11.
- Barthelemy, René, Fontenay aux Roses, assignor to Compagnie pour la Fabrication des Compteurs et Material d'Usines à Gaz, Montrouge, France. Synchronous induction motor. 1,945,723; Feb. 6.
- Barthelemy, René, Fontenay-Aux-Roses, assignor to Compagnie pour la Fabrication des Compteurs et Material d'Usines à Gaz, Montrouge, France. Synchronizing system for television. 1,983,432; Dec. 4.
- Barthelemy, René, Fontenay-aux-Roses, assignor to Compagnie pour la Fabrication des Compteurs et Material d'Usines à Gaz, Montrouge, France. Electrical synchronizing device. 1,985,189; Dec. 18.
- Barthelmes, K., Manufacturing Co. Incorporated. (See Barthelmes, Kurt W. H., assignor.)
- Barthelmes, Kurt W. H., assignor to K. Barthelmes Manufacturing Co. Incorporated, Rochester, N. Y. Metal winding cone. 1,949,290; Feb. 27.
- Barthelmes, Kurt W. H., assignor to K. Barthelmes Manufacturing Co. Incorporated, Rochester, N. Y. Metal winding bobbin. 1,949,291; Feb. 27.
- Barthen, Charles L., South Orange, assignor to Health Products Corporation, Newark, N. J. Separating or extracting from oils and fats the unsaponifiable fraction possessing the vitamin potency present therein. 1,984,858; Dec. 18.
- Bartholomew, Miles M., Meadville, Pa. Interest computing machine. 1,952,303; Mar. 27.
- Bartholomew, Tracy, Pittsburgh, Pa. Conveying molten slag. 1,959,328; May 22.
- Bartlett, Benson G. W., Darlington, England. Apparatus for drying or mixing stone or the like. 1,971,474; Aug. 28.
- Bartlett, C. O., & Snow Company, The. (See Bighouse, Henry H., assignor.)
- Bartlett, C. O., & Snow Company, The. (See Osborn, Irwin S., assignor.)
- Bartlett, Edward C. (See Howes, E. G., Jr., and Bartlett.)
- Bartlett, Floyd H., assignor to C. A. Reed Company, Williamsport, Pa. Cup favor. Des. 91,798; Mar. 27.
- Bartlett Hayward Company, The. (See Pfaff, George C., assignor.)
- Bartlett, James C., Baltimore, Md. Carbon monoxide eliminator. 1,985,713; Dec. 25.
- Bartlett, John N., Winnipeg, Manitoba, Canada. Amusement device. 1,959,944; May 22.
- Bartlett, Margaret C. P. (See Kennett, Charles E., assignor.)
- Bartlett, Nathaniel T., Los Angeles, Calif. Flower holder. 1,965,565; July 10.
- Bartlett, Nicholas, Syracuse, N. Y. Humidifying radiator. 1,946,564; Feb. 13.
- Bartley, Robert S. (See Spence, F., and Bartley.)
- Bartling, Edmund F., Glen Ellyn, assignor to Union Special Machine Company, Chicago, Ill. Thread guide for sewing machines. 1,956,338; Apr. 24.
- Bartling, Friedrich, deceased, Huglfing, J. Bartling, executrix, assignor to Alterum Kredit-Aktien-Gesellschaft, Berlin, Germany. Manufacture of alkali carbonate or alkali hydroxide, and by-products of ammonia or ammonium salts. 1,947,671; Feb. 20.
- Bartling, Friedrich, deceased, Huglfing, Germany; J. Bartling, legal representative, assignor to Alterum Kredit-Aktien-Gesellschaft, Berlin, Germany. Production of highly active alkali carbon briquettes for the preparation of alkali cyanides. 1,957,129; May 1.
- Bartling, Friedrich, deceased, Huglfing, and A. Meier, Munich; J. Bartling, legal representative, assignors to Alterum Kredit-Aktien-Gesellschaft, Berlin, Germany. Absorbing nitrogen oxide gases mixed with oxygen or air. 1,957,130; May 1.
- Bartling, Friedrich, deceased, Huglfing, J. Bartling, legal representative, assignor to Alterum Kredit-Aktien-Gesellschaft, Berlin, Germany. Producing sodium carbonate and ammonium chloride. 1,965,445; July 3.
- Bartling, Friedrich, deceased, Huglfing, Jenny Bartling, Huglfing, executor, assignor to Alterum Kredit-Aktien-Gesellschaft, Berlin, Germany. Manufacture of sodium carbonate, ammonium chloride, sodium nitrate, and hydrochloric acid. 1,979,137; Oct. 30.
- Bartling, Jenny, executrix. (See Bartling, Friedrich.)
- Bartling, Jenny, legal representative. (See Bartling, Friedrich.)
- Barton, Charles N., Wimbledon, London, England. Egg grading and packing apparatus. 1,983,892; Dec. 11.
- Barton, Charles N., Wimbledon, London, England. Egg packing apparatus. 1,983,893; Dec. 11.
- Barton, Clarence H., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Transmission. 1,942,633; Jan. 9.
- Barton, Clarence H., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Lock-out collar control for freewheel units. 1,970,795; Aug. 21.
- Barton, Clarence H., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,972,915; Sept. 11.
- Barton, Clarence H., and C. Drexler, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Marine reverse gear. 1,983,835; Dec. 11.
- Barton, Frank, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel seat fitting machine. 1,980,369; Nov. 13.
- Barton, Henry. (See Budd, A. G., and Barton.)
- Barton, Henry, Atmore, Ala. Battery construction. 1,978,779; Oct. 30.
- Barton, James M., assignor to Fretz-Moon Tube Company, Inc., Butler, Pa. Flying saw. 1,946,926; Feb. 13.
- Barton, James P., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Amplifier. 1,958,881; May 15.
- Barton, Joseph W., Wheaton, assignor to O-Cedar Corp'n, Chicago, Ill. Display means. 1,964,025; June 26.
- Bartoš, J., & Co., the firm. (See Bartoš, Joseph, assignor.)
- Bartoš, Joseph, assignor to the firm; J. Bartoš & Co., Hedvikov U Caslav, Czechoslovakia. Cock-grinding machine. 1,951,080; Mar. 13.
- Bartram, Vivian T., assignor to Metallics and Non-Metallics Limited, Toronto, Ontario, Canada. Process and apparatus for drying granular or like material. 1,960,616; May 29.
- Bartsch, Herbert E., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Door fastening device. 1,952,112; Mar. 27.
- Bartson, Albert J., Midland Park, N. J. Box-operating mechanism for looms. 1,970,833; Aug. 21.
- Bartusch, Alexander P., Swissvale, Pa. Molding apparatus. 1,959,894; May 22.
- Bartz, Arthur E., assignor to Hudson Motor Car Company, Detroit, Mich. Transmission interlock. 1,974,096; Sept. 18.
- Bartz, Fred H., Valparaiso, Ind. Automatic take-up for brakes. 1,950,381; Mar. 13.
- Baruch, Milton, Los Angeles, Calif., assignor, by mesne assignments, to Westinghouse Electric Elevator Company. Elevator control system. 1,968,551; July 31.

- Baruch, Sydney N. New York, N. Y., assignor to H. Curab Inc. Signal transmission system. 1,957,419; May 1.
- Barwood, Augustus V., Stoneham, assignor to L. J. Barwood, Cambridge, Mass. Washer display gauge. 1,950,469; Mar. 13.
- Barwood, Leon J. (See Barwood, Augustus V., assignor.)
- Bary, Victor A., London, England. Axle bearing. 1,976,537; Oct. 9.
- Barzaghi, Arthur J., New York, N. Y. Construction of self-supporting structures. 1,959,653; May 22.
- Barzen, Richard G., Kansas City, Mo. Self-priming pump construction. 1,948,366; Feb. 20.
- Basch, Arthur D. (See Kelly, William J., assignor.)
- Basch, David, Schenectady, N. Y., and M. M. Hennessy, Sharon Hill, Pa., assignors to General Electric Company. Terminal lug and joining same to a conductor. 1,959,150; May 15.
- Baschon, Felix A., Richmond, Va. Rooter's cheerstick. Des. 93,699; Oct. 30.
- Bascom, Henry, assignor of thirty per cent to R. F. Toelke, St. Louis, Mo. Display apparatus. 1,972,416; Sept. 4.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Slack adjuster. 1,947,444; Feb. 20.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 1,969,114; Aug. 7.
- Baselt, Walter H. (See Baker, C. C., and Baselt.)
- Bash, Thomas B., Kansas City, Mo. Fuse switch. 1,942,634; Jan. 9.
- Bash, Thomas B., Kansas City, Mo. Connector. 1,948,838; Feb. 27.
- Baskin, Charles M., Toronto, Ontario, Canada, assignor to Standard Oil Development Company. Manufacture of cold laid pavement. 1,973,599; Sept. 11.
- Basler, Henry, Kansas City, Mo. Clothesline reel. 1,982,042; Nov. 27.
- Basquin, Olin H., Evanston, C. Harazin, and G. T. Gerlach, assignors to George R. Meyercord, Chicago, Ill. Cotton picking means. 1,942,405; Jan. 9.
- Bass, Edward L. (See Christophererson, Calmer E., assignor.)
- Bass, J. V., et al. (See Beckler, Oakley K., assignor.)
- Bass, Rubin, Brooklyn, assignor to American Plush & Velvet Pressboard Co., Inc., New York, N. Y. Vacuum cleaner brush. 1,973,679; Sept. 11.
- Bass, Shailer L., and H. N. Penn, Midland, Mich., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Secondary butyl lactate. 1,956,972; May 1.
- Bassett, Bert L. (See Bassett, Willard E. and B. L.)
- Bassett, Frank A., Holyoke, Mass. Reel fitting. 1,970,641; Aug. 21.
- Bassett, George B., Buffalo, N. Y. Water meter. 1,941,649; Jan. 2.
- Bassett, Gerald L., assignor to The Conklin Pen Company, Toledo, Ohio. Twisting filler pen. 1,965,626; July 10.
- Bassett, Harry P., Cynthiaana, Ky. Purification of bast fibers. 1,961,545; June 5.
- Bassett, Harry P., Cynthiaana, Ky. Removing solvents from plastic colloids. 1,976,873; Oct. 16.
- Bassett, Preston R., Rockville Center, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro vertical for aircraft. 1,942,470; Jan. 9.
- Bassett, Preston R., Rockville Centre, and E. A. Sperry, jr., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Flight indicator. 1,982,851; Dec. 4.
- Bassett, Ralph T. (See Barry, Robert E., assignor.)
- Bassett, Robert S., Buffalo, N. Y. Liquid pump. Re19,384; Nov. 27.
- Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,941,925; Jan. 2.
- Bassett, Robert S., Buffalo, N. Y. Liquid pump. 1,984,391; Dec. 18.
- Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,985,397; Dec. 25.
- Bassett, Willard E. and B. L., Detroit, Mich. Ringless piston. 1,945,674; Feb. 6.
- Bassette, Eddor E. (See Parket, W. G., and Bassette.)
- Basstick Company, The. (See Herold, Walter F., assignor.)
- Basstick Company, The. (See Moore, Raymond G., assignor.)
- Basstick Company, The. (See Phillips, Ross M. G., assignor.)
- Bassitt, Ellis, Milwaukee, Wis., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Making a photographic printing plate. 1,957,433; May 8.
- Bassler, Kurt, Westend, Berlin, Germany, assignor to General Electric Company. Soldering metal objects. 1,950,214; Mar. 6.
- Basso, Angelo, et al. (See Basso, Giovanni, assignor.)
- Basso, Giovanni, Welch, assignor of one-third to E. Boschian, War, and one-third to A. Basso, Welch, W. Va. Power transmission for bicycles and the like. 1,967,141; July 17.
- Basso, Henry U., Springfield, Vt. Cloth working machine. 1,958,359; May 8.
- Basso, Henry U., Springfield, Vt. Cloth working machine. 1,958,655; May 15.
- Bast, Frank J., Queens Village, assignor to C. J. Tagliabue Mfg. Co., Brooklyn, N. Y. Defrosting mechanism. 1,952,050; Mar. 27.
- Bast, Frank J., Queens Village, assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Cycle controller. 1,979,246; Nov. 6.
- Bast, Frank J., Queens Village, and L. C. Irwin, assignors to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Automatic cycle controller. 1,959,336; May 22.
- Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)
- Bastian-Blessing Company, The. (See Buttner, William C., assignor.)
- Bastian-Blessing Company, The. (See Evleth, Earl M., assignor.)
- Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Automatic valve. 1,961,732; June 5.
- Bastian-Moreley Company. (See Lonergan, Simon J., assignor.)
- Bastow, Herbert. (See Bateson, P., and Bastow.)
- Bata, Jan A., Zlin, Czechoslovakia. Apparatus for the manufacture of footwear. 1,975,034; Sept. 25.
- Bata, Jan A., Zlin, Czechoslovakia. Apparatus for the manufacture of footwear. 1,975,035; Sept. 25.
- Bata, Jan A., Zlin, Czechoslovakia. Apparatus for the manufacture of footwear. 1,975,532; Oct. 2.
- Batchelder, Edmund, Brooklyn, N. Y. Electric soldering iron. 1,970,642; Aug. 21.
- Batchelder, John L., Sand Springs, Iowa. Switch for direction indicators. 1,954,690; Apr. 10.
- Batchelor, Harold, Jersey City, N. J. Nut locking device. 1,949,988; Mar. 6.
- Batchelor, John C., and A. W. Vance, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Television synchronization method. 1,955,320; Apr. 17.
- Batchler, William H., Palo Pinto, Tex. Combination tool. 1,978,124; Oct. 23.
- Bate, Basil D., Chester, England. Protection of motor vehicles, aircraft, and the like in case of accident and against theft. 1,956,484; Apr. 24.
- Bate, David Y., Los Angeles, Calif. Machine for installing a marking element in concrete pavement. 1,974,979; Sept. 25.
- Bate, Warwick G., Newton Falls, Ohio. Rose. Pl. Pt. 97; May 15.
- Bateholts, Clinton, assignor to Specialty Insulation Manufacturing Company, Inc., Hoosick Falls, N. Y. Flexible molded article. 1,958,841; May 15.
- Bateman, Alva W., and R. E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. High glaze finish for fabrics and the like. 1,954,751; Apr. 10.
- Bateman, Arthur L., Muncie, Ind. Curtain drier apparatus. 1,962,889; June 12.
- Bateman, Arthur T. (See Emery, H., Irvine, and Bateman.)
- Bateman, Frank E., Libby, Mont. Electric heating appliance. 1,964,396; June 26.
- Bateman, Fred H., Company. (See Trolley, Isaac, assignor.)
- Bateman, William S., jr. (See Norton, C. L., Richardson, and Bateman, jr.)
- Bates, Albert H., assignor to Burd High Compression Ring Company, Rockford, Ill. Valve for an automobile heater. 1,974,639; Sept. 25.
- Bates, Albert J., Chicago, Ill. The manufacture of grating. 1,977,299; Oct. 16.
- Bates, Albert J., Chicago, Ill., and W. A. Bates, assignors to B. H. Bates, Gary, Ind. Grating. 1,944,207; Jan. 23.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,966,479; July 17.
- Bates, Arthur, and F. B. Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 1,943,411; Jan. 16.
- Bates, Arthur, W. R. Barclay, and G. Hazelton, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe parts. 1,984,453; Dec. 18.
- Bates, Beulah H. (See Bates, Albert J. and W. A., assignors.)
- Bates, Charles J., jr., Englewood, N. J., and F. J. Bremer, assignors to The Mosler Safe Company, Hamilton, Ohio. Replacement structure for safes or depositories. 1,959,192; May 15.
- Bates, Clifford V., Chicago, Ill. Opening and closing circuits at regular intervals. 1,970,412; Aug. 14.
- Bates, Curtis, et al. (See Ballew, Frank, assignor.)
- Bates, E. V., Machine Company. (See Bates, Eddo V., assignor.)
- Bates, Eddo V., assignor to E. V. Bates Machine Company, Lowell, Mass. Combination card clothing and flat wire carding machine. 1,953,386; Apr. 3.
- Bates, Edgar D., Los Angeles, Calif. Opposed disk brake. 1,977,981; Oct. 23.
- Bates, Fred G., Highland Park, Mich. Hinge. 1,941,529; Jan. 2.
- Bates, Harrison, Denver Colo. assignor to Bendix Research Corporation, East Orange, N. J. Automatic variable pitch propeller. 1,980,248; Nov. 13.
- Bates, Harrison, Greenville, S. C., assignor to Bendix Research Corporation, East Orange, N. J. Propeller. 1,980,249; Nov. 13.
- Bates, Harry B., assignor to Maintenance Equipment Company, Chicago, Ill. Rail lubricator. 1,946,123; Feb. 6.
- Bates, Harry B., assignor to Maintenance Equipment Company, Chicago, Ill. Rail lubricating device. 1,952,051; Mar. 27.

- Bates, Harry B., assignor to Maintenance Equipment Company, Chicago, Ill. Rail and wheel flange lubricator. 1,979,307; Nov. 6.
- Bates, Harry O., Dalton, Mass. Leaf incinerator and dump cart. 1,970,727; Aug. 21.
- Bates, Harry T., et al. (See Brazeau, Lloyd F., assignor.)
- Bates, Henry K., Liverpool, England. Reinforced concrete floor for buildings and the like. 1,971,053; Aug. 21.
- Bates, Jefferson B., et al. (See Harrell, Charles, assignor.)
- Bates Manufacturing Company, The. (See Bel Geddes, N., and Paxton.)
- Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro baseline. 1,984,859; Dec. 18.
- Bates, Ralph I. (See Kindl, C. H., Rossman, and Bates.)
- Bates, Ralph I., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,943,911; Jan. 16.
- Bates, Ralph I., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Pressure release valve. 1,983,064; Dec. 4.
- Bates, Walter A. (See Bates, Albert J. and W. A.)
- Bates, Walter C., Pittsburgh, Pa., and J. O. Krosse, Painesville, assignors to The Standard Silicate Company, Cincinnati, Ohio. Batch weighing apparatus. 1,971,807; Aug. 28.
- Bateson, Paul, and H. Bastow, Saylesville, R. I. Stairway construction. 1,954,722; Apr. 10.
- Bath, John & Company. (See Bath, Stanley W., assignor.)
- Bath, Stanley W., Shrewsbury, assignor, by mesne assignments, to John Bath & Company, Worcester, Mass. Hydraulic driving and control mechanism for a reciprocated member. 1,946,348; Feb. 6.
- Batie, Joseph E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming brake drums and apparatus therefor. 1,952,304; Mar. 27.
- Batschük, Max, and W. Hodecker, assignors to Glasfabrik Sophienbutte Richard Bock G. m. b. H., Ilmenau, Germany. Manufacture of double-walled flasks. 1,960,045; May 22.
- Batt, Jacob G., New York, N. Y. Rocking chair and leg rest. 1,952,963; Mar. 27.
- Battegay, Constant, assignor to Societe Anonyme des Ateliers Brillie Freres, Levallois-Perret, Seine, France. Electrically controlled clock. 1,945,989; Feb. 6.
- Battegay, Constant, assignor to Societe Anonyme des Ateliers Brillie Freres, Levallois, Perret, France. Time meter. 1,945,990; Feb. 6.
- Battegay, Constant, assignor to Societe Anonyme des Ateliers Brillie Freres, Levallois Perret, Seine, France. Self-oscillating electric clock. 1,965,762; July 10.
- Battegay, Constant, assignor to Societe Anonyme des Ateliers Brillie Freres, Levallois-Perret, Seine, France. Electric clock. 1,965,763; July 10.
- Battelle Memorial Institute, The. (See Brion, Clarence E., assignor.)
- Battelle Memorial Institute, The. (See Hobart, Floyd B., assignor.)
- Battelle Memorial Institute, The. (See Irion, C. E., and Craig, assignors.)
- Battelle Memorial Institute. (See Williams, C. E., and Sullivan, assignors.)
- Batten, Harrison M., Highland Park, and C. J. Welcome, Lansing, Mich., assignors to The City Auto Stamping Company, Toledo, Ohio. Metal finish. 1,970,548; Aug. 21.
- Batten, Harrison M., Toledo, and C. J. Welcome, Maumee, assignors to The City Auto Stamping Company, Toledo, Ohio. Electroplating bronze. 1,970,549; Aug. 21.
- Batterman, Benjamin, New York, N. Y. Shoe. Des. 92,993; Aug. 14.
- Batterman, Benjamin, New York, N. Y. Shoe. Des. 92,999; Aug. 14.
- Batterman, Benjamin, New York, N. Y. Shoe. Des. 93,808; Nov. 13.
- Batterman, Elmer F. (See Verderber, J., and Batterman.)
- Battilani, Stefano, New York, N. Y. Percolator. 1,978,561; Oct. 30.
- Battin, Harold T. (See Keen, A. W., Battin, and Dutton.)
- Battin, Harold T., Ridgewood, N. J., assignor to Revere Rubber Company, Providence, R. I. Method and apparatus for separating the individual strands of a rope. 1,951,181; Mar. 13.
- Battista, Donald A., Philadelphia, Pa. Ice-cream cake and making same. Re19,153; May 1.
- Battle Creek Bread Wrapping Machine Company. (See Littlefield, Carl, assignor.)
- Battle Creek Food Company. (See Kellogg, J. H., and G. L. and W. K. Teller, assignors.)
- Battle, George W. (See Sieff, S. H., and Battle.)
- Battle, Richard, Tulsa, and F. I. Ross, Oklahoma City, assignors to Hanlon-Waters, Inc., Tulsa, Okla. Liquid and gas separator. 1,950,285; Mar. 6.
- Battles, Allen M., Randolph, Vt. Pack carrier. 1,969,199; Aug. 7.
- Bauch, William H., Shelbyville, assignor to Pembroke W. Cornelius, Indianapolis, Ind. Film gate. 1,971,365; Aug. 28.
- Baudains, Albert, Fremantle, Western Australia, Australia. Fuel supply system of internal combustion engines. 1,952,964; Mar. 27.
- Baudendistel, William V. (See Linderman, Clarence F., assignor.)
- Baudot, François, Paris, France. Engine set. 1,963,432; June 19.
- Bauer Brothers Company, The. (See Kidd, Thomas J., assignor.)
- Bauer Brothers Company, The. (See Woodruff, M. D., Machlin, and Markley, assignors.)
- Bauer, Bruno, Vienna, Austria. Steel skeleton for reinforced concrete structures. 1,943,691; Feb. 27.
- Bauer, Bruno, Vienna, Austria. Concrete column reinforcement joint. 1,969,774; Aug. 14.
- Bauer, Bruno, Vienna, Austria. Steel structure. 1,973,741; Sept. 18.
- Bauer, Bruno, Vienna, Austria. Arch construction. 1,973,742; Sept. 18.
- Bauer, Charles W., Fairview, assignor of one-half to H. Kohlbacher, Newark, N. J. Apparatus for printing photographs in natural colors. 1,972,973; Sept. 11.
- Bauer, Charles W., Fairview, and H. Kohlbacher, Newark, N. J. Color photograph and producing same. 1,972,972; Sept. 11.
- Bauer, Conrad, Pittsburgh, Pa. Shutter awning. 1,964,842; July 3.
- Bauer, Friedrich, and E. W. Kafka, Berlin-Charlottenburg, Germany, assignors to Westinghouse Electric and Manufacturing Company. Dry rectifier. 1,947,075; Feb. 13.
- Bauer, Fritz, Stuttgart, Germany. Plate girder. 1,977,371; Oct. 16.
- Bauer, Gustav, Hamburg, Germany. Ship propelling plant. 1,961,953; June 5.
- Bauer, Gustav, Hamburg, and C. Schmieske, Bremen, Germany. Hydraulic coupling. 1,953,458; Apr. 3.
- Bauer, Gustav, Hamburg, and C. Schmieske, Bremen, Germany. Power transmitter. 1,979,930; Nov. 6.
- Bauer, Hans F., assignor to Stein, Hall Manufacturing Company, Chicago, Ill. Conversion of starch. 1,969,347; Aug. 7.
- Bauer, John G., New Orleans, La. Tomb. 1,961,999; June 5.
- Bauer, John L. F., Crookston, Minn. Weeder. 1,985,674; Dec. 25.
- Bauer, Karl, Berlin, Germany. Stair. 1,951,895; Mar. 20.
- Bauer, Mathias R., Tarrytown, N. Y. Combination friction and positive clutch. 1,971,846; Aug. 28.
- Bauer, Robert, New York, N. Y. Colorgram and making and using the same. 1,950,649; Mar. 13.
- Bauer, Rudolf, Cologne-Deutz, and G. Mauthe, Cologne-Holweide, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion products of casein. 1,979,601; Nov. 6.
- Bauer, Walter. (See Röhm, O., and Bauer.)
- Bauer, Walter, Darmstadt, Germany, assignor, by mesne assignments, to Charles Lennig & Company, Inc. Adhesive. 1,982,946; Dec. 4.
- Bauer, Walter, and H. Lauth, Darmstadt, Germany, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Making esters of acrylic acid. 1,951,782; Mar. 20.
- Bauer, William G., Bronx, N. Y. Eyeshield. 1,965,025; July 3.
- Bauer, William J., Yonkers, N. Y. Apparatus for manufacturing tubular members. 1,980,173; Nov. 13.
- Bauerle, Charles E. (See Ward, W. J., Bauerle, and Dalrymple.)
- Bauerschmidt, Kuno, Berlin-Karlshorst, Germany, assignor to General Electric Company. Electric circuit breaker. 1,978,246; Oct. 23.
- Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Apparatus for illuminating microscopic objects. 1,943,509; Jan. 16.
- Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Apparatus for projecting luminous dashes and dots on a dark ground. 1,943,511; Jan. 16.
- Bauersfeld, Walther, assignor to the firm of Carl Zeiss, Jena, Germany. Microscope. 1,964,239; June 26.
- Bauersfeld, Walther, assignor to firm of Carl Zeiss, Jena, Germany. Instrument for rapid examination of transparent microscopic preparations. 1,964,712; July 3.
- Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Ocular tube attachment for monocular microscopes. 1,966,784; July 17.
- Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Microscope having an inclined ocular tube and a revolving nose-piece. 1,970,728; Aug. 21.
- Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Microscope. 1,971,061; Aug. 21.
- Bauersfeld, Walther, assignor to Carl Zeiss, Jena, Germany. Adjusting device for a pair of objectives of binocular microscopes. 1,975,629; Oct. 2.
- Bauersfeld, Walther, assignor to firm of Carl Zeiss, Jena, Germany. Apparatus for plotting maps from photographs. 1,980,657; Nov. 13.
- Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Device for illuminating microscopic objects with incident light. 1,985,072; Dec. 18.
- Bauersfeld, Walther, assignor to the firm Carl Zeiss, Jena, Germany. Nose-piece for microscope objectives. 1,985,073; Dec. 18.
- Bauersfeld, Walther, assignor to Carl Zeiss, Jena, Germany. Illumination system. 1,985,074; Dec. 18.
- Bauersfeld, Walther, and M. Hübschmann, assignors to the firm Carl Zeiss, Jena, Germany. Instrument for rapid examination of transparent microscopic preparations. 1,943,508; Jan. 16.

- Bauersfeld, Walther, and A. Köhler, assignors to the firm Carl Zeiss, Jena, Germany. Device for light-field and dark-field illumination of microscopic objects. 1,943,510; Jan. 16.
- Baugh, Hubert O., St. Petersburg, Fla. Dental demonstrating device. 1,948,059; Feb. 20.
- Baughman, George W., Pittsburgh, Pa., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Electrical controlling apparatus. Re19,156; May 8.
- Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus involving cable. 1,963,732; June 19.
- Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling trackway devices from a rail vehicle. 1,982,626; Dec. 4.
- Baughman, George W., Pittsburgh, and F. H. Nicholson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,948,197; Feb. 20.
- Baughman, Guy L., Mulvane, Kans. Overhead valve oiler. 1,949,003; Feb. 27.
- Baughman, Oscar F., and F. G. Mason, Rochester, Minn. Window sash holder. 1,974,946; Sept. 25.
- Baum, Albert E., Waterloo, Iowa. Release valve for air brakes. 1,969,348; Aug. 7.
- Baum, David, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Electric light socket. 1,982,627; Dec. 4.
- Baum, Ernest, Los Angeles, Calif. Hair waving machine. Des. 93,263; Sept. 11.
- Baum, Ewald G., et al. (See Wharton, Edward R., assignor.)
- Baum, Frank G., deceased, Cassel, Calif., E. F. Born, executrix. Cooler. 1,951,962; Mar. 20.
- Baum, Frank G., deceased, Cassel, Calif.; Esther F. Born, executrix. Bearing. 1,956,973; May 1.
- Baum, George M. (See Freed, C. J., Baum, and Patterson.)
- Baum, Henry J., Chicago, Ill. Connector for electrical appliances. 1,950,215; Mar. 6.
- Baum, Hermann, Zurich, Switzerland. Production of a covering similar to linoleum. 1,957,434; May 8.
- Baum, Louis J., Livingston, N. J. Nozzle tip. 1,964,807; July 3.
- Baum, Philip, Los Angeles, Calif., assignor to Pacific-Burt Company, Limited, Toronto, Ontario, Canada. Record feeding and attaching device. 1,950,216; Mar. 6.
- Baum, Wilbrant S., Kansas City, Mo. Telephone dial illuminator. 1,961,474; June 5.
- Baum, William A., Forest Hills, N. Y. Instrument case or similar article. Des. 93,084; Aug. 21.
- Bauman, Arthur H., Scranton, Pa. Furnace grate. 1,951,265; Mar. 13.
- Bauman, Frank G. (See Kaporin, O., and Bauman.)
- Bauman, Joseph. (See Williams, J. J., and Bauman.)
- Bauman, Joseph J., Chicago, Ill. Container. 1,967,492; July 24.
- Baumann, Adolf, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Fluid sealed packing gland. 1,979,525; Nov. 6.
- Baumann, Andrew N., assignor of one-sixth to E. P. Baumann and one-sixth to R. A. Fallert, Sainte Genevieve, Mo. Internal expanding brake. 1,950,836; Mar. 13.
- Baumann, Emmanuel P., et al. (See Baumann, Andrew N., assignor.)
- Baumann, Fritz, Leverkusen-I. G. Werk, Germany., assignor to General Aniline Works, Inc., New York, N. Y. Preparing 1,4-diamino-anthraquinone-2,3-disulphonic acid. 1,975,886; Oct. 2.
- Baumann, Fritz, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Aluminum lake of sulphonated compounds of the anthraquinone series. 1,982,149; Nov. 27.
- Baumann, Harold C., Elizabeth, N. J., assignor to United Research Corporation, New York, N. Y. Mixer amplifier. 1,946,565; Feb. 13.
- Baumann, Henry N., jr. (See Benner, R. C., and Baumann.)
- Baumann, Karl, Barnfield, England. Steam generator. 1,944,059; Jan. 16.
- Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. Surface condenser. 1,941,650; Jan. 2.
- Baumann, Paul, Ludwigshafen-on-the-Rhine, H. Tanneberger, Mannheim, and H. Schilling, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Separation of gas mixtures. 1,942,131; Jan. 2.
- Baumann, Paul, Ludwigshafen-on-the-Rhine, and H. Tanneberger, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of butadiene. 1,955,046; Apr. 17.
- Baumann, Paul, Ludwigshafen-on-the-Rhine, R. Stadler, Ziegelhausen, and H. Schilling and H. Bückert, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of acetylene. 1,984,957; Dec. 18.
- Baumann, Walter. (See Herold, P., and Baumann.)
- Baubach, Emil A., Chicago, Ill. Leader pin. 1,980,174; Nov. 13.
- Baumberger, William J., Davenport, assignor, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Grinding machine. 1,950,936; Mar. 13.
- Baume, Frank J., Los Angeles, Calif. Flying machine. 1,977,843; Oct. 23.
- Baume, Georges, and André Glorifet, Paris, Boulogne-sur-Seine, France. Impregnating a solid to control its chemical activity. 1,971,847; Aug. 28.
- Baumeister, Fitch J., Park Ridge, assignor to Commercial Display Company, Chicago, Ill. Sign. 1,951,467; Mar. 20.
- Baumer, Edward, Fort Thomas, Ky., assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Covering game balls. 1,960,803; May 29.
- Baumer, Norbert J., Baltimore, Md. Candle. 1,958,462; May 15.
- Baumert, Karl. (See Powers, R. J., and Baumert.)
- Baumgärtel, Carl. (See Grunzig, W., and Baumgärtel.)
- Baumgarten, Edward F., Rochester, N. Y. Fire extinguisher. 1,982,192; Nov. 27.
- Baumgartner, Fred, Chicago, Ill. Tire inflating valve and gauge. 1,985,759; Dec. 25.
- Baumgartner, Fred, Chicago, Ill., assignor to Westinghouse Electric Elevator Company. Inertia type governor. 1,957,311; May 1.
- Baumgartner, John, Aurora, Ill. Razor sharpener. 1,958,937; May 15.
- Baumgartner, Julius J. E., Portland, Oreg. Steam press for cellulose materials. 1,948,898; Feb. 27.
- Baumgärtner, Wilhelm. (See Goldhammer, L., and Baumgärtner.)
- Baumrucker, William, jr. (See McFarlane, M. D., and Baumrucker.)
- Baur, Arthur, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Valve. 1,949,365; Feb. 27.
- Baur, Hugo J., assignor, by mesne assignments, to A. L. Hansen Mfg. Co., Chicago, Ill. Stapling machine. 1,978,983; Oct. 30.
- Baur, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of amines. 1,966,478; July 17.
- Baur, Ottmar. (See Rassbach, E. C., and Baur.)
- Baur, Ottmar, assignor to Robert Bosch, Aktiengesellschaft, Stuttgart, Germany. Fuel injection pump. 1,944,858; Jan. 23.
- Baur, Ottmar, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Fuel spraying nozzle. 1,948,557; Feb. 27.
- Baur, Ottmar, Stuttgart, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Pumping mechanism. 1,957,435; May 8.
- Baur, Ottmar, Stuttgart, and J. Weber, Feuerbach, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Centrifugal governor for internal combustion engines. 1,974,858; Sept. 25.
- Baurmann, Fred W. (See Gilstrap, F. M., and Baurmann.)
- Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,969,637; Aug. 7.
- Bausch & Lomb Optical Company. (See Aspenleiter, Joseph W., assignor.)
- Bausch & Lomb Optical Company. (See Bausch, Carl L., assignor.)
- Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
- Bausch & Lomb Optical Company. (See Drescher, Theodore B., assignor.)
- Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)
- Bausch & Lomb Optical Company. (See Fassin, Gustave, assignor.)
- Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)
- Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
- Bausch & Lomb Optical Company. (See Hamilton, Frederick, assignor.)
- Bausch & Lomb Optical Company. (See Hommel, George L., assignor.)
- Bausch & Lomb Optical Company. (See Jones, Roscoe C., assignor.)
- Bausch & Lomb Optical Company. (See Martin, Allan F., assignor.)
- Bausch & Lomb Optical Company. (See McCabe, Joseph J., assignor.)
- Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)
- Bausch & Lomb Optical Company. (See Patterson, W. L., and Gallasch, assignors.)
- Bausch & Lomb Optical Company. (See Sabel, John C., assignor.)
- Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)
- Bausch & Lomb Optical Company. (See Trautmann, O. E., and Kallenbach, assignors.)
- Bausch, Viktor, jr., Berlin, Germany. Electrochemically producing stable images and characters. 1,970,539; Aug. 21.
- Bausman, Alonzo L., Springfield, Mass. Transfer device. 1,972,753; Sept. 4.
- Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Apparatus for decorating confections. 1,956,306; Apr. 24.
- Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Apparatus for decorating confections. 1,956,307; Apr. 24.

- Bayis, Bruce N., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Braider bobbin carrier. 1,981,896; Nov. 27.
- Bax, Lionel D. (See Richardson, Raymond D., assignor.)
- Baxendale, Samuel, Detroit, assignor to The Modern Collet & Machine Company, Ecorse, Mich. Nut blanking machine. 1,982,492; Nov. 27.
- Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Spool for photographic films. 1,942,951; Jan. 9.
- Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Construction of spools. 1,942,952; Jan. 9.
- Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Method and blank for making film spools. 1,967,920; July 24.
- Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Spool and its manufacture. 1,985,760; Dec. 25.
- Baxter, Burke M., assignor to The Crystal Waxing Company, Middletown, Ohio. Dispensing device for sheets of flexible material. 1,974,038; Sept. 18.
- Baxter, Donald G. (See White, J., and Baxter.)
- Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Metering panelboard. 1,958,882; May 15.
- Baxter, Harry J., Freeport, N. Y. Apparatus for film-coating rolls and the like. 1,949,234; Feb. 27.
- Baxter, James, Glasgow, and W. Tivendale, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Needle polishing machine. 1,951,232; Mar. 12.
- Baxter, James A. (See Williams, T. P., and Baxter.)
- Baxter, John P., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of addition product of unsaturated hydrocarbons. 1,944,161; Jan. 23.
- Baxter, William, Westmount, assignor to Crane Limited, Montreal, Quebec, Canada. Basin waste plug and operating mechanism. 1,980,250; Nov. 13.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon stitchdown shoes. 1,955,730; Apr. 24.
- Baxter, William L., Devereux, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in taking impressions of feet. 1,981,941; Nov. 27.
- Baxtrum, Roy. (See Swanson, P., and Baxtrum.)
- Bay Company, The. (See Duhamel, Daniel J., assignor.)
- Bayardi, Armand, assignor of two-fifths to Bayardi Brothers, Inc., New York, N. Y., and two-fifths to Larter & Sons, Newark, and one-fifth to G. A. Schuetz, Maplewood, N. J. Precious or semiprecious or synthetic stone. Des. 92,694; July 10.
- Bayardi Brothers, Inc., et al. (See Bayardi, Armand, assignor.)
- Bay City Dredge Works. (See Wagner, C. G., and Kerr, assignors.)
- Bayer, Leo J., St. Louis, Mo. Boiler cleaner. 1,966,703; July 17.
- Bayer, Matthew F., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Inner spring construction for mattresses and the like. 1,950,770; Mar. 13.
- Bayer, Otto, Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Benzanthrone-1-aldehyde and making same. 1,946,829; Feb. 13.
- Bayer, Otto, Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone-1-aldehydes and making same. 1,970,643; Aug. 21.
- Bayer, Otto, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Pure 1-amino-2,3-dimethylantranthraquinone and making same. 1,980,162; Nov. 13.
- Bayerdorffer, Max, Huguenot Park, N. Y. Marking band for poultry. 1,956,974; May 1.
- Bayerl, Alfons, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing a cellulose of high content of alpha cellulose. 1,967,347; July 24.
- Bayerische Stickstoffwerke A. A. (See Ipatiew, W. N., Caro, and Frank, assignors.)
- Bayle, André. (See Arthuys, J. M., and Bayle.)
- Bayley, Lee, assignor to The William Bayley Company, Springfield, Ohio. Detention window. 1,948,160; Feb. 20.
- Bayley, Lee, Springfield, Ohio, and R. L. Clingerman, Washington, D. C., assignors to The William Bayley Company, Springfield, Ohio. Detention window. 1,948,159; Feb. 20.
- Bayley, William, Company, The. (See Bayley, Lee, assignor.)
- Bayley, William, Company, The. (See Bayley, L., and Clingerman, assignors.)
- Bayley, William, Company, The. (See Zimmerman, Ralph W., assignor.)
- Bayley, William D., Springfield, Ohio. Detention sash assembly. 1,948,280; Feb. 20.
- Baylis, Daniel L. (See Angelus, L., and Baylis, assignor.)
- Baylis, Walter S., assignor, by mesne assignments, to Patco, Inc., Los Angeles, Calif. Vapor phase treatment of oils. 1,949,673; Mar. 6.
- Bayliss, Derek G. (See Bayliss, James H., D. G., and K.)
- Bayliss, Frederick N., assignor to Landers, Frary & Clark, New Britain, Conn. Electrical connection plug. 1,959,895; May 22.
- Bayliss, James H., D. G., and K., Edgbaston, Birmingham, England. Scrubbing, sizing, starching, or other like machine. 1,963,322; June 19.
- Bayliss, Kenneth. (See Bayliss, James H., D. G., and K.)
- Baynard, William H., assignor to Beckwith Manufacturing Company, Boston, Mass. Shoe counter. 1,949,525; Mar. 6.
- Bay State Optical Company. (See Nerney, George E., assignor.)
- Bay State Tool & Machine Co. (See Gaudreau, Charles D.)
- Bazeley, Arthur J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,945,362; Jan. 30.
- Bazeley, Arthur J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,956,609; May 1.
- Bazeley, Arthur J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,967,855; July 24.
- Bazeley, Arthur J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Coupling device. 1,973,862; Sept. 18.
- Bazlen, Max, and E. Rieger, Ludwigshafen-on-the-Rhine, and F. Scholtz, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of sodium hyposulphate and zinc compounds. 1,975,443; Oct. 2.
- Bazley, Carl E., Auburn, N. Y. Fuel tank ejector. 1,946,185; Feb. 6.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and making the same. 1,943,412; Jan. 16.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for trimming covers of heels. 1,943,413; Jan. 16.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wood heel spooling machine. 1,951,468; Mar. 20.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for performing finishing operations. 1,956,556; May 1.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe buttoning machine. 1,957,574; May 8.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel slotting machine. 1,976,764; Oct. 16.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping heel breast covering flaps. 1,983,591; Dec. 11.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole of shoes. 1,983,592; Dec. 11.
- Bazzoni, Lewis J., Swampscott, and H. D. Elliott, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel slotting machine. 1,976,763; Oct. 16.
- Beach, Clarence E., Boston, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signaling system and electromagnet mechanism therefor. 1,954,794; Apr. 17.
- Beach, Clarence E., Brookline, and G. E. King, Newton, assignors to The Gamewell Company, Newton Upper Falls, Mass. Lock. 1,949,406; Mar. 6.
- Beach, Frederick A., Metuchen, N. J., assignor to J. Rubenstein, Brooklyn, N. Y. Printing mechanism. 1,985,226; Dec. 25.
- Beach, Frederick E., and A. H. Jenson, Chicago, Ill. Temperature indication and control. 1,945,017; Jan. 30.
- Beach, George E. (See Beebe, Fredrick E., assignor.)
- Beach, Henry, and W. H. Schaller, Jenera, Ohio. Safe guard. 1,951,266; Mar. 13.
- Beach, Howard D., Buffalo, N. Y. Spectacle lens. 1,955,047; Apr. 17.
- Beach, Kenneth A. (See Appgar, F. A., and Beach.)
- Beach, Morgan J., Detroit, Mich. Golf register. 1,944,629; Jan. 23.
- Beach, Norman F. (See McNally, J. G., and Beach.)
- Beach, Royal A., Racine, Wis., assignor to The Dumore Company. Portable grinder for sharpening knives. 1,961,328; June 5.
- Beacham, Thomas E. (See Hele-Shaw, H. S., and Beacham.)
- Beacon Oil Company. (See Crittenden, B. P., and Killinger, assignors.)
- Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
- Beagle, Victor E., Alexandria, Va. Combined service cock key and curb bow cleanout. 1,945,304; Jan. 30.
- Beairsto, John H., Amesbury, Mass. Damper. 1,973,600; Sept. 11.
- Beal, Arthur G. (See Reynolds, I. W., and Beal.)
- Beal, Carl L., Cuyahoga Falls, assignor to American Anode, Inc., Akron, Ohio. 1,969,253; Aug. 7.
- Beal, Charles C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Fastening device. 1,960,046; May 22.
- Beall, Lloyd M., Dearborn, Mich. Antifreezing device. 1,971,026; Aug. 21.
- Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Tractor plow. 1,952,486; Mar. 27.
- Beals, Eri V., Boston, Mass. Carburetor. 1,968,870; Aug. 7.
- Beam, Charles C., Pittsburgh, Pa. Food container or similar device. Des. 94,067; Dec. 18.

- Beam, James R. (See Turner, C., Beam, and McAfee.)
 Beam, Vilynn O., and N. T. Branche, assignors to Surface Combustion Corporation, Toledo, Ohio. Control valve for heating systems. 1,981,218; Nov. 20.
 Beaman, Berry N., et al. (See Taggart, Archie D., assignor.)
 Bean, Carolina, Seattle, Wash. Pie pan. 1,974,443; Sept. 25.
 Bean, George R., assignor of one-third to M. E. Harvey, Dakota City, Nebr. Field weeder. 1,961,810; June 5.
 Bean, Lafayette, Fredericksburg, Va. Shoe. 1,972,436; Sept. 4.
 Beanes, Warwick H. (See Pointon, J. E., and Beanes.)
 Bear, Joseph S., Detroit, Mich. Necktie holder. Des. 92,695; July 10.
 Bear-Stewart Company. (See Goodman, William L., assignor.)
 Bearce, Edwin F. (See McVicker, H., and Bearce.)
 Beard, Bert, assignor to George M. Holley, Detroit, Mich. Carburetor. 1,963,458; June 19.
 Beard, Earl E., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 1-nitro-anthraquinone-6-carboxylic acid and carbonyl halides thereof. 1,985,232; Dec. 25.
 Beard, Harry R., Vancouver, British Columbia, Canada. Preservation of foods. 1,963,965; June 26.
 Beard, Harry R., Vancouver, British Columbia, Canada, assignor to New England Fish Company, Boston, Mass. Freezing fish and other foodstuffs. 1,969,832; Aug. 14.
 Beard, Harry R., Vancouver, British Columbia, Canada, assignor to New England Fish Company, Boston, Mass. Apparatus for treating foodstuffs. 1,969,833; Aug. 14.
 Beard, Joseph G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Oscillator. 1,948,692; Feb. 27.
 Beard, Lawrence O., Lancaster, Pa. Measuring instrument. 1,952,965; Mar. 27.
 Beard, Lawrence O., Lancaster, Pa. Axle puller. 1,958,329; May 8.
 Beard, Lawrence O., Lancaster, Pa. Race puller. 1,958,330; May 8.
 Beard, Lawrence O., Lancaster, Pa. Tool for grinding valve seats. 1,964,240; June 26.
 Beard, Lawrence O., Lancaster, Pa. Tool for removing ridges. 1,974,097; Sept. 18.
 Beard, Lawrence O., Lancaster, Pa. Tool for removing ridges. 1,984,959; Dec. 18.
 Beard, Lawrence O., Lancaster, Pa. Tool for removing bearings. 1,984,960; Dec. 18.
 Beard, Leslie C., jr. (See Rather, J. B., Reiff, and Beard, jr.)
 Beard, Myron G., Farmingdale, assignor to The Aviation Patent and Research Corporation, New York, N. Y. Heating and ventilating system. 1,943,233; Jan. 9.
 Beard, Myron G., Farmingdale, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane & Motor Company, Inc. Instrument board lighting device. 1,951,783; Mar. 20.
 Beard, Walter, Auckland, New Zealand. Machinery belt fastener. 1,966,842; July 17.
 Bearden, Sherman H., Cass Station, Ga. Cultivator. 1,948,436; Feb. 20.
 Beardmore, William, & Company Limited. (See Gill, Harvey C., assignor.)
 Beardow, George M., White Plains, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 1,969,496; Aug. 7.
 Beardsley, Bruce, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Conveyor transfer mechanism. 1,945,475; Jan. 30.
 Beardsley, Bruce, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Drag conveyor. 1,985,850; Dec. 25.
 Beardsley, Charles E., Bethlehem, Conn., assignor to The Beardsley & Wolcott Mfg. Co. Toaster. 1,948,693; Feb. 27.
 Beardsley, Charles E., Bethlehem, assignor to Scovill Manufacturing Company, Waterbury, Conn. Sharpening device for edged tools. 1,972,126; Sept. 4.
 Beardsley, Edwin W., Texas City, Tex., assignor to Petroleum Conversion Corporation, New York, N. Y. Device for purging conduits of carbon or the like. 1,944,162; Jan. 23.
 Beardsley, Edwin W., Los Angeles, Calif., assignor to Petroleum Conversion Corporation, New York, N. Y. Combination reaction chamber and scrubber. 1,981,852; Nov. 27.
 Beardsley, Edwin W., Texas City, Tex., and A. P. Sachs, assignors to Petroleum Conversion Corporation, New York, N. Y. Process and apparatus for converting hydrocarbon oils. 1,985,233; Dec. 25.
 Beardsley, Edwin W., and M. W. Colony, Los Angeles, Calif., assignors to Petroleum Conversion Corporation, New York, N. Y. Valve. 1,985,234; Dec. 25.
 Beardsley, George D. (See Kramer, Andrew A., assignor.)
 Beardsley, Orie L., Gary, Ind. Gun carriage. 1,956,557; May 1.
 Beardsley & Piper Company, The. (See Piper, Walter F., assignor.)
 Beardsley, Wilson H., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Coking hydrocarbons. 1,958,228; May 8.
 Beardsley & Wolcott Mfg. Co., The. (See Beardsley, Charles E., assignor.)
 Beardsley & Wolcott Mfg. Co., The. (See Lucia, Louis V., assignor.)
 Beardsley & Wolcott Mfg. Co., The. (See Wolcott, F. E., and Lucia, assignors.)
 Bearman, Joseph H., and W. J. Pietras, Detroit, Mich. Combined shirt collar and neckband. 1,945,503; Feb. 6.
 Beasley, George D. (See Kramer, Andrew A., assignor.)
 Beasley, William F., Columbus, Ohio. Chain. 1,959,337; May 22.
 Beath, Lancelot B., Toronto, Ontario, Canada. Hoisting mechanism for dump trucks. 1,943,050; Jan. 9.
 Beattie Manufacturing Company, The. (See Beattie, Walter J., assignor.)
 Beattie, Thomas W. C., Pittsburgh, Pa., assignor to National Tube Company. Pipe welding apparatus. 1,984,720; Dec. 18.
 Beattie, Walter J., assignor to The Beattie Manufacturing Company, Cohoes, N. Y. Collar pressing machine. 1,980,845; Nov. 13.
 Beatty, C. Earl, et al. (See Krug, Ira R., assignor.)
 Beatty, Chas. A. (See Boynton, Alexander, assignor.)
 Beatty, Dempster, Chesterton, Ind. Telephone index. 1,955,573; Apr. 17.
 Beatty, Herbert O., Los Angeles, Calif., assignor to H. C. Hillabold, Chicago, Ill. Filter. 1,965,999; July 10.
 Beatty, Ross J. (See Mosfelt, Harold T., assignor.)
 Beatty, Ross J. (See Mosfelt, H. T., and Schagerholm, assignors.)
 Beatty, William T., Chicago, and F. D. Wilson, Harvey, assignors to Austin Manufacturing Co., Chicago, Ill. Dual drive road machine. 1,981,821; Nov. 20.
 Beatty, Terence A., assignor to Artloom Corporation, Philadelphia, Pa. Pile fabric and its manufacture. 1,952,407; Mar. 27.
 Beauchamp, Fannon F., Kansas City, Kans. Electro-magnetic transmission. 1,963,642; June 19.
 Beauchamp, Wilfred A. (See Eklind, C. E., and Beauchamp.)
 Beauchamp, Wilfred A., assignor to Camel Company, Chicago, Ill. Car doorlock. 1,950,837; Mar. 13.
 Beauchamp, Wilfred A., assignor to Camel Company, Chicago, Ill. Track bracket. 1,963,821; June 19.
 Beauchamp, Wilfred A., assignor to Camel Company, Chicago, Ill. Car doorlock. 1,976,913; Oct. 16.
 Beaugrand, Walter S. (See Roberts, H. N., and Beaugrand.)
 Beaumont, Cyril G. (See Beaumont, George F. and C. G.)
 Beaumont, George F. and C. G., West Bridgford, England. Curtain attachment device. 1,975,000; Sept. 25.
 Beaumont Texan Tool Company. (See Babin, Whitney C., assignor.)
 Beaumont Texan Tool Company. (See Babin, W. C., and Ames, assignors.)
 Beaumont, William M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,980,175; Nov. 13.
 Beauty Utilities, Inc. (See Gentile, Virginio J., assignor.)
 Beauvisage, Johann, Cologne, Germany. Device for uniting package and bale hoops. 1,981,086; Nov. 20.
 Beaver, Charles J., Bowdon, England. Coating and impregnating sheet material. 1,958,984; May 15.
 Beaver, Charles J., T. J. Fairfield, Bowdon, and F. Smith, Strefford, England. Controlling the tension in strips of flexible material while being drawn from coils or rolls. 1,944,916; Jan. 30.
 Beaver, Charles W., Stamford, Conn. Padlock. 1,949,402; Mar. 6.
 Beaver, Gail D., Norristown, Pa. Chute supporting means. 1,975,533; Oct. 2.
 Beaver, John G. (judicial change of name from Bricken). (See Bricken, John, assignor.)
 Beaver Manufacturing Company. (See Slade, Harold E., assignor.)
 Beavers, Robert S., Providence, R. I., assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 1,942,322; Jan. 2.
 Bebbington, William E., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate valve. 1,971,171; Aug. 21.
 Behel, Abraham, New York, and B. Pruzan, Brooklyn, N. Y. Safety removable hook fastener slide. 1,942,912; Jan. 9.
 Behie, Edwin W., Hawthorne, N. J., assignor to International Paper Company, New York, N. Y. Extension core cap. 1,947,032; Feb. 13.
 Behie, Edwin W., Hawthorne, N. J., assignor to International Paper Company. Splicing hollow cores. 1,954,610; Apr. 10.
 Behie, Edwin W., Hawthorne, N. J., and G. W. Dodge, Greenwich, Conn., assignors to International Paper Company, New York, N. Y. Core capping machine. 1,976,155; Oct. 9.
 Behie, Jules, and G. L. Doelling, assignors to Wagner Electric Corporation, St. Louis, Mo. Fluid composition. 1,949,775; Mar. 6.
 Behie, Jules, and G. L. Doelling, assignors to Wagner Electric Corporation, St. Louis, Mo. Fluid composition. 1,960,295; May 29.
 Behie, Jules, St. Louis, J. W. Livingston, Kirkwood, and M. Luthy, St. Louis, Mo., assignors, by mesne assignments to Monsanto Chemical Company. Recovering alkaloids from cocoa products. 1,942,160; Jan. 2.
 Bech, Joseph, assignor to Industrial Patents Corporation, Chicago, Ill. Can cutting device. 1,942,994; Jan. 9.
 Bech, Joseph, assignor to Swift and Company, Chicago, Ill. Machine for producing square hams. 1,975,916; Oct. 9.

- Beck, Joseph, assignor to Swift and Company, Chicago, Ill. Conveyer. 1,975,917; Oct. 9.
- Béché, Hans, Huckschwagen, Germany. Hammer tup. 1,977,420; Oct. 16.
- Beché, Hans, Huckschwagen, Germany. Swaging hammer. 1,979,931; Nov. 6.
- Becher, Hubert L., Trenton, N. J. Pulp board and making same. 1,980,979; Nov. 20.
- Becher, Hubert L., Trenton, N. J., assignor, by mesne assignments, to Bennett, Incorporated, Cambridge, Mass. Paraffin emulsion and the like and process of making the same. 1,973,692; Sept. 18.
- Becherer, Fritz, Riehen, near Basel, assignor to the firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of water soluble condensation products of phenol-urea-formaldehyde. 1,982,619; Dec. 4.
- Bechler, André, Moutier, Switzerland. Automatic lathe with automatically slidable headstock. 1,952,966; Mar. 27.
- Bechler, André, Moutier, Switzerland. Screw slotting device. 1,970,216; Aug. 14.
- Bechmann, Rudolf. (See Osnos, M., and Bechmann.)
- Bechtold, Reuben E., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Synchronical signal system. 1,951,816; Mar. 20.
- Bechtold, Reuben E., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Liquid displacement meter. 1,980,949; Nov. 13.
- Bechtold, Reuben E., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Valve structure. 1,984,328; Dec. 11.
- Bechtold, William S. (See Behrendt, Herman F., assignor.)
- Beck, Allen F., Columbus, Ohio. Grave vault hood or similar article. Des. 93,264; Sept. 11.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Grave vault base or similar article. Des. 91,752; Mar. 20.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Grave vault or similar article. Des. 91,753; Mar. 20.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Handle hinge bracket or similar article. Des. 91,858; Apr. 3.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Grave vault fastening mechanism. 1,968,594; July 31.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Hydraulic press. 1,968,595; July 31.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Hinge bracket. 1,979,854; Nov. 6.
- Beck, Arthur H., and F. C. Botz, Jefferson City, Mo. Low quad mold control mechanism. 1,958,809; May 15.
- Beck, Arthur R., and J. S. Warren, Chicago, Ill. Elevating and dumping device. 1,941,530; Jan. 2.
- Beck, Charles E. (See Smallhouse, Albert A., assignor.)
- Beck, Charles J., Philadelphia, Pa. Sheet cutting and printing machine. 1,962,128; June 12.
- Beck, Christoph, Ludwigshafen-on-the-Rhine, H. Weissbach and H. Diekmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Separation of volatile constituents from crude soaps. 1,965,566; July 10.
- Beck, Ernest. (See Van Derveer, C. A., and Beck.)
- Beck, George C., Spokane, Wash. Initial centering device and method. 1,980,975; Nov. 20.
- Beck, George W. T., Cody, Wyo. Apparatus for distilling crude oil and other liquids. 1,974,701; Sept. 25.
- Beck, Heinrich, Meiningen, assignor to firm Carl Zeiss, Jena, Germany. Ignition device for high-power arc lamps. 1,968,011; July 31.
- Beck, Isaac S., Brooklyn, N. Y. Mascara case. 1,946,727; Feb. 13.
- Beck, Julius S., assignor to J. A. Kammerdiner, Los Angeles, Calif. Adjustable trip jar. 1,954,513; Apr. 10.
- Beck, Julius S., assignor to J. A. Kammerdiner, Los Angeles, Calif. Safety coupling for screw joints. 1,973,137; Sept. 11.
- Beck, Karl, Berlin-Charlottenburg, Germany. Improving or modifying acetyl cellulose textile material. 1,947,928; Feb. 20.
- Beck, Koller & Company. (See Hönel, Herbert, assignor.)
- Beck, Leo L., Westfield, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Lighting. 1,957,404; May 1.
- Beck, Leo L., East Orange, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Running vacuum tube light. 1,969,719; Aug. 14.
- Beck, Leo L., East Orange, N. J., and A. E. Noble, Lynbrook, assignors to Claude Neon Lights, Inc., New York, N. Y. Luminescent tube. 1,946,477; Feb. 13.
- Beck, Morris B., New York, and J. D. Whittaker, Babylon, N. Y., assignors to Welsbach Street Lighting Company of America, Philadelphia, Pa. Street lighting luminaire. 1,977,612; Oct. 23.
- Beck, Morris B., New York, and J. D. Whittaker, Babylon, N. Y., assignors to Welsbach Street Lighting Company of America, Philadelphia, Pa. Street lighting luminaire. 1,977,613; Oct. 23.
- Beck, Morris B., New York, and J. D. Whittaker, Babylon, N. Y., assignors to Welsbach Street Lighting Company of America. Electric street lighting bulb. 1,977,614; Oct. 23.
- Beck, Nicholas E., Floral Park, N. Y. Scoring knife. 1,955,218; Apr. 17.
- Beck, Nicholas P., Lansing, Mich. Illuminated display case. 1,964,713; July 3.
- Beck, Norman R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Stopper polishing machine. 1,963,459; June 19.
- Beck, Rudolf, assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Air operated controller. 1,954,514; Apr. 10.
- Beck, Rudolf, assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Pressure indicating device. 1,957,037; May 1.
- Beck, Walter, Frankfurt-on-the-Main, and K. Bonath, Cronberg-in-Taunus, assignors to Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfurt-on-the-Main, Germany. Fused salt bath for carburizing iron, steel, and the like. 1,980,152; Nov. 6.
- Beck, William E., assignor to Traver Paper & Manufacturing Co., Chicago, Ill. Machine for making box partitions. 1,972,699; Sept. 4.
- Beck, William G., New York, N. Y. Winding means for spring motors. 1,942,505; Jan. 9.
- Beck, William M., Elwood, Ind., assignor of one-half to C. M. Mitchell, and one-fifth to F. W. Rockafellar. Lock nut. 1,952,305; Mar. 27.
- Beck, William O., Ridgely, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Card holder. 1,949,447; Mar. 6.
- Becker, Abraham S., Los Angeles, Calif. Brassière. 1,942,679; Jan. 9.
- Becker, Albert W., Hartford, Conn. Windshield clearing device. 1,949,098; Feb. 27.
- Becker, Alfonso N., Milwaukee, and J. F. Martin, Kenosha, Wis. Combination cooking device. 1,954,235; Apr. 10.
- Becker, Alfred C., Charlottenburg, near Berlin, Germany. Gas pressure regulator. 1,978,397; Oct. 30.
- Becker, Alfred C., Oberschoeneweide, near Berlin, Germany. Gas-pressure regulator. 1,978,398; Oct. 30.
- Becker, Arman E., and R. G. Sloane, Elizabeth, N. J., assignor to Standard Oil Development Company. Manufacture of soap-oil compositions. 1,943,806; Jan. 16.
- Becker, Arman E., Elizabeth, N. J., and W. S. Davis, Jr., Reading, Pa., assignors to Standard Oil Development Company. Lubricating oil and making the same. 1,966,111; July 10.
- Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,943; Apr. 10.
- Becker, Bernard C., York, Pa., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,944; Apr. 10.
- Becker, Bernard C., York, Pa., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,945; Apr. 10.
- Becker, Carl W., Allston, Mass. Television receiving apparatus. 1,981,942; Nov. 27.
- Becker, Diedrich, Iserlohn, Germany. Abdominal belt. 1,967,003; July 17.
- Becker, Earl S., Schenectady, N. Y. Clothesline support. 1,953,210; Apr. 3.
- Becker, Earl S., Schenectady, N. Y. Fastener. 1,984,961; Dec. 18.
- Becker, Edmund H. (See Martus, M. L., and Becker.)
- Becker, Enno, Bremen, Germany. Anchoring member for sheet piling. 1,965,169; July 3.
- Becker, Enno, Bremen, Germany. Iron sheet piling. 1,968,241; July 31.
- Becker, Frank J., Independence, Mo. Desk tool. Des. 92,226; May 15.
- Becker, Fred, Queens Village, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,973,036; Sept. 11.
- Becker, Frederick J., Cincinnati, Ohio. Artificial taper. 1,980,251; Nov. 13.
- Becker, George D. (See Newhouse, R. C., and Becker.)
- Becker, George D., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher. 1,961,811; June 5.
- Becker, George L. (See Stutsman, O. E., and Becker.)
- Becker, Hans. (See Kranzlein, G., Vollmann, Boedeker, and Becker.)
- Becker, Hazen K. (See Jurgens, E. G., and Becker.)
- Becker, Howard I., Schenectady, N. Y., assignor to General Electric Company. Automatic steering equipment. 1,958,259; May 8.
- Becker, Joseph, assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Fuel gas distributing system for coke ovens. 1,968,367; July 31.
- Becker, Joseph A., Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron emitter. 1,957,486; May 8.
- Becker, Joseph A., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unidirectional current passing device. 1,980,176; Nov. 13.
- Becker, Leo, Youngstown, Ohio. Cross rolling machine. 1,970,121; Aug. 14.
- Becker, Logan A. (See Munson, J. M., and Becker.)
- Becker, Logan A., Lakewood, Ohio, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Method and apparatus for packaging materials. 1,953,096; Apr. 3.
- Becker, Logan A., Lakewood, Ohio, assignor, by mesne assignments, to Du Pont Cellophane Company, Inc., New York, N. Y. Packaging articles. 1,953,097; Apr. 3.

- Becker, Logan A., Lakewood, Ohio, assignor, by mesne assignments, to Du Pont Cellophane Company, Inc., New York, N. Y. Machine for inserting cigars or the like in containers. 1,953,098; Apr. 3.
- Becker, Logan A., Lakewood, assignor to The Dobeckmun Company, Cleveland, Ohio. Wrapper filling and sealing machine. 1,961,126; June 5.
- Becker, Logan A., Lakewood, Ohio, assignor, by mesne assignments, to Du Pont Cellophane Company, Inc., New York, N. Y. Automatic machine for inserting cigars or the like in containers. 1,977,713; Oct. 23.
- Becker, Ludwig, and R. Müller, assignors to Chemische Fabrik Pott & Co., Dresden, Germany. Producing water-soluble substances having capillary-active properties and the product. 1,950,287; Mar. 6.
- Becker, Maxwell M., assignor to G. A. Breon and Company, Incorporated, Kansas City, Mo. Therapeutical preparation and the production thereof. 1,950,132; Mar. 6.
- Becker, Morris W., Brooklyn, N. Y. Swift. 1,943,512; Jan. 16.
- Becker, Nathan, New York, N. Y. Float tank bulb. 1,943,266; Feb. 6.
- Becker, Nathan, New York, N. Y. Float tank bulb. 1,946,267; Feb. 6.
- Becker, Otto, Jr., Wuppertal-Barmen, Germany. Circulatory lubricating system for rotary blowers. 1,972,974; Sept. 11.
- Becker, Peter, and F. Poppenburger, Dusseldorf, Germany, assignors to United States Envelope Company, Springfield, Mass. Manufacture of window envelopes. 1,974,098; Sept. 18.
- Becker, Stephen P., Poughkeepsie, N. Y. Wire clamp and connector. 1,950,771; Mar. 13.
- Becker, William J., Park Ridge, Ill. Radio controlling device. 1,961,131; June 5.
- Beckerman, Jacob, assignor to M. Beckerman, New York, N. Y. Combination garment. 1,964,447; June 26.
- Beckerman, Mollie. (See Beckerman, Jacob, assignor.)
- Beckett, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Corrosion resistant article. 1,943,782; Jan. 16.
- Beckett, Frederick M., New York, and R. Franks, Jackson Heights, N. Y., assignors to Electro Metallurgical Company. Chromium-containing steels. 1,954,344; Apr. 10.
- Beckett, Clay C., Chicago, Ill. Golf ball teeing device. 1,952,113; Mar. 27.
- Beckett, Edwin, Purchase, N. Y. Weatherproof plant label holder. 1,979,932; Nov. 6.
- Beckett, Russell V., and C. L. Jones, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Lightning arrester. 1,947,076; Feb. 13.
- Beckler, Oakley K., Dallas, Tex., assignor of forty-nine percent to G. W. Harris, Marshalltown, Iowa, and J. V. Bass, Omaha, Nebr. Lighter for gaseous fuel burners. 1,981,299; Nov. 20.
- Beckley-Cardy Company. (See Clavey, Edward A., assignor.)
- Beckman, Bernard C., Naperville, Ill., assignor to The Patent and Licensing Corporation, Boston, Mass. Method and apparatus for treating shingles or shingle strips. 1,967,856; July 24.
- Beckman, Bernard C., Naperville, and W. T. Hofmann, Chicago, Ill., assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Making felt, paper, and the like. 1,979,819; Nov. 6.
- Beckman, Frank J. (See Perkins, A. J., and Beckman.)
- Beckman, Gustaf S., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,966,159; July 10.
- Beckman, Herman E., Naperville, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Prepared roofing. 1,958,560; May 15.
- Beckman, Hugo, Ohligs, Germany. Manufacture of scissors. 1,947,964; Feb. 20.
- Beckman, Richard, New York, N. Y. Explosive motor. 1,985,595; Dec. 25.
- Beckner, Arthur P. (See Beckner, Orville L. and A. P.)
- Beckner, Orville L., and A. P. Orosi, Calif. Dispensing device. 1,976,650; Oct. 9.
- Becks, Richard H., Chicago, Ill. Photograph stand. Des. 93,000; Aug. 14.
- Beckwith, Clinton H., Geneva, assignor to Crane Co., Chicago, Ill. Motor operated valve. 1,943,854; Jan. 16.
- Beckwith, Harry H., Brookline, and F. O. Woodruff, Quincy, Mass., said Woodruff assignor to said Beckwith. Cosmetic composition. 1,968,475; July 31.
- Beckwith Manufacturing Company. (See Baynard, William H., assignor.)
- Beckwith Manufacturing Company. (See Lovell, Stanley P., assignor.)
- Beckwith Manufacturing Company. (See McMurray, H. G., and Norman, assignors.)
- Beckwith Manufacturing Company. (See Miller, Harold S., assignor.)
- Beckwith Manufacturing Company. (See Woodruff, Frank O., assignor.)
- Beckwith, Walter M., Pittsfield, Mass. Windshield cleaner. 1,980,568; Nov. 13.
- Becraft, Frank W., Denver, Colo., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Multiplex rotary filter. 1,963,610; June 19.
- Becton Dickinson & Co. (See Schwidetzky, Oscar O. R., assignor.)
- Beddoes, Hubert, and H. E. Schlenz, assignors to Pacific Flush Tank Company, Chicago, Ill. Safety device for gas mains. 1,979,933; Nov. 6.
- Bedell, Archer W., Faribault, Minn. Rolling shears. 1,952,785; Mar. 27.
- Bedell, Carl E., Sherrard, W. Va., assignor to Mesta Machine Company, Pittsburgh, Pa. Apparatus for gauging material. 1,963,397; June 19.
- Bedell, Carl E., Sherrard, W. Va., assignor to Mesta Machine Company, Pittsburgh, Pa. Method and apparatus for tensioning material. 1,964,241; June 26.
- Bedell, James R., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Container. 1,983,689; Dec. 11.
- Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. System for damping the motion of mechanical devices. 1,947,544; Feb. 20.
- Bedford, Ben, Fayetteville, N. Y. Bread butterer. 1,979,436; Nov. 6.
- Bedford, Bruce, Trenton, N. J. Making molded articles. 1,952,528; Mar. 27.
- Bedford, Bruce, Trenton, N. J. Molded article. 1,952,529; Mar. 27.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus and operating the same. 1,944,060; Jan. 16.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 1,947,242; Feb. 13.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 1,952,052; Mar. 27.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 1,960,047; May 22.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Alternating current generator. 1,980,899; Nov. 13.
- Bedford, Frederick G. H., et al, legal representatives. (See Carnegie, A. Q., Duncan, and Parsons.)
- Bedford, Jesse, assignor of one-half to M. C. Park, Luton, England. Hydraulic variable transmission mechanism. 1,952,354; Mar. 27.
- Bedford, Jesse, assignor of one-half to M. C. Park, Luton, England. Hydraulic transmission mechanism. 1,982,150; Nov. 27.
- Bedford, Leslie H. (See Bullimore, W. R., and Bedford.)
- Bedford, Leslie H., and D. G. Coveney, Aldwyck, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Cathode ray oscillograph tube. 1,980,177; Nov. 13.
- Bedle, Robert L., Augusta, Ga. Hinged locking cap for collapsible containers. 1,956,752; May 1.
- Bednarik, Max, Westfield, N. J. Locking means for hoods of vehicles or the like. 1,962,578; June 12.
- Bednash, John H., Mayfield, assignor of one-third to H. Baine, Jermyn, Pa., and one-sixth to M. Pollock, Cleveland, Ohio. Attachment for power drills. 1,957,439; May 8.
- Bedworth, Arthur H., Everett, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Making leak-tight paper cans. 1,952,530; Mar. 27.
- Bee, Joseph R., Leeds, England. Mechanism for packing slivers discharged from carding, drawing, and like machines. 1,957,241; May 1.
- Beebe, Alan P., Detroit, Mich., assignor to Peninsular Grinding Wheel Company. Grinding wheel. 1,984,050; Dec. 11.
- Beebe, Edward M., Shawnee, Okla. Manifold. 1,945,724; Feb. 6.
- Beebe, Fredrick E., Willowick, assignor to George E. Beach, Cleveland, Ohio. Thermostatic switch. 1,972,675; Sept. 4.
- Beebe, John B. (See Wills, C. H., and Beebe.)
- Beebe, Ward L., St. Paul, Minn. Gauged dose tube. 1,959,896; May 22.
- Beece Corporation, Inc. (See Kramer, H., Schumacher, and Weissner, assignors.)
- Beech, Walter H., Wichita, Kans., assignor to Curtiss-Wright Airplane Company. Safety meter. 1,958,229; May 8.
- Beecher, John W., assignor to The Bristol Company, Waterbury, Conn. Pressure gauge. 1,978,665; Oct. 30.
- Beech-Nut Packing Company. (See Kneaskern, Albert, assignor.)
- Beech-Nut Packing Company. (See McBean, Douglas M., assignor.)
- Beede, Frederic N., Pawtucket, R. I. Garment pressing machine. 1,963,822; June 19.
- Beede, Walter E., Penacook, N. H. Electrical measuring instrument. 1,962,855; June 12.
- Beedle, Harry W., Boston, Mass., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Charging system for storage batteries. 1,967,802; July 24.
- Beeh, Louis. (See Lang, G. J., Beeh, and Martin.)
- Beeh, Louis, Longmeadow, assignor to United American Bosch Corporation, Springfield, Mass. Ignition magnet. 1,944,590; Jan. 23.
- Beeh, Louis, and W. E. Schwarzmann, Longmeadow, assignors to United American Bosch Corporation, Springfield, Mass. Timer for internal combustion engines. 1,968,433; July 31.
- Beekley, John S., Charleston, W. Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Effecting chemical reactions at elevated temperatures. 1,959,151; May 15.

- See Line Manufacturing Company. (See Fransen, Frank J., assignor.)
- See Line Manufacturing Company. (See Smith, Roy D., assignor.)
- Beeman, Edwin R., Minneapolis, Minn. Door operator. 1,966,943; July 17.
- Beems, Floyd E. (See Fletcher, A. P., and Beems.)
- Beensen, Charles H. (See Warren, J. P., and Beensen.)
- Beer Barrel Specialty Company, The. (See Schnitman, Charles R., assignor.)
- Beers, Burton B. (See Labadie, H. H., and Beers.)
- Beers, George L., Merchantville, N. J., assignor to Westinghouse Electric & Manufacturing Company. Amplifying system. 1,942,234; Jan. 2.
- Beers, George L., Merchantville, N. J., assignor to Westinghouse Electric & Manufacturing Company. Amplification system. 1,973,037; Sept. 11.
- Beers, George L., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric amplifier. 1,960,723; May 29.
- Beers, George L., Collingswood, N. J., assignor to Radio Corporation of America. Radioreceiver. 1,961,329; June 5.
- Beers, Otis E., Elkhart, Ind., assignor to Buescher Band Instrument Co. Trombone. 1,951,267; Mar. 13.
- Beers, Roland F., Belmont, assignor to Submarine Signal Company, Boston, Mass. Magnetic steering indicator. 1,977,615; Oct. 23.
- Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Stoker construction. 1,968,277; July 31.
- Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Stoker construction. 1,977,665; Oct. 23.
- Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Stoker. 1,980,467; Nov. 13.
- Beers, Samuel C. (See Stidd, Irvin, assignor.)
- Beersman, Charles G., Evanston, Ill. Electrical outlet device. 1,955,168; Apr. 17.
- Beese, Norman C. (See Uley, C. T., and Beese.)
- Beesley, James, et al. (See Doleman, James, assignor.)
- Beeson, Arthur W., and I. H. Strider, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer loader. 1,983,593; Dec. 11.
- Beeson, Paul O., Joliet, Ill., assignor to The Ruberoid Co., New York, N. Y. Tapered shingle and making the same. 1,972,127; Sept. 4.
- Beetem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Relay. 1,960,198; May 22.
- Beetem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Apparatus for controlling the charge of a storage battery. 1,960,199; May 22.
- Beetem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Force feed grease seal for storage batteries. 1,960,200; May 22.
- Beettam, Harry G., jr., Toronto, Ontario, Canada. Brake mechanism. 1,954,467; Apr. 10.
- Begg, Claude T., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Friction material. 1,952,114; Mar. 27.
- Beggs, Paul W., assignor, by mesne assignments, to Jas. F. Marsh Corporation, Chicago, Ill. Differential governor. 1,942,913; Jan. 9.
- Beggs, Paul W., assignor, by mesne assignments, to Jas. F. Marsh Corporation, Chicago, Ill. Coupling device. 1,947,965; Feb. 20.
- Beghelli, Aldo, Lyon, France. Cement admixture. 1,944,820; Jan. 23.
- Beghetti, Peter, San Francisco, Calif. Concrete form apparatus. 1,950,650; Mar. 13.
- Begley, James P. (See Hedgcock, W. C., and Begley.)
- Begtrup, Edward F., Jersey City, N. J. Rail welding mold. 1,947,966; Feb. 20.
- Behan, Mack, and W. P. Lutfy, Phoenix, Ariz. Ant trap. 1,959,808; May 22.
- Behan, Thomas W., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Washing machine. 1,949,235; Feb. 27.
- Behan, Thomas W., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Washing and wringing machine. 1,950,217; Mar. 6.
- Behimer, Otto, Chicago, Ill., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,979,437; Nov. 6.
- Behimer, Otto, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Converting hydrocarbon oils. 1,978,072; Oct. 23.
- Behler, Glen W., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Semitrailer. 1,950,589; Mar. 13.
- Behlmer, John E., Dubuque, Iowa. Fluid compressor. 1,941,651; Jan. 2.
- Behmer, Johannes, Hamburg, Germany. Safety device for railroad working. 1,975,762; Oct. 9.
- Behnke, George W., assignor to Simplicity Engineering Company, Durand, Mich. Dewatering device. 1,946,663; Feb. 13.
- Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,945,964; Feb. 6.
- Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,972,256; Sept. 4.
- Behnke, Paul, Altona-Elbe, assignor to Gesellschaft für Ueberseehandel m. b. H., Hamburg, Germany. Gluing wood in the manufacture of plywood. 1,950,651; Mar. 13.
- Behr, Gustave E., jr., Forest Hills, assignor to National Lead Company, New York, N. Y. Refining white metal scrap. 1,957,930; May 8.
- Behr, Henry, Milwaukee, Wis. Magnifier. 1,964,243; June 26.
- Behr, Herbert R., assignor to A. J. Cline, Chicago, Ill. Power rectifying and speed control system for direct current motors. 1,970,507; Aug. 14.
- Behr, Leo. (See Tarpley, R. E., and Behr.)
- Behr, Leo J., Bridgeport, Conn. Container for ice cream refrigeration cabinets. 1,967,280; July 24.
- Behr-Manning Corporation. (See Gallagher, Francis E., assignor.)
- Behr, Siegfried, Flushing, N. Y. Hair roller. 1,956,090; Apr. 24.
- Behrel, Giraud W. (See Marx, S., and Behrel.)
- Behrend, Bruno, Berlin, Germany. Manufacture of edible fats. 1,944,962; Jan. 30.
- Behrend, Oswald, Woodhaven, N. Y., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Accelerator for rubber vulcanization processes. 1,946,960; Feb. 13.
- Behrendt, Herman F., Newark, assignor of one-half to W. S. Bechtold, South Orange, N. J. Bottle carrier. 1,974,255; Sept. 18.
- Behrens, Albert I., assignor to Trautmann, Bailey & Blampey, Inc., New York, N. Y. Combination container. 1,982,780; Dec. 4.
- Behrens, Josef, Berlin, Germany. Manufacturing wall papers. 1,983,690; Dec. 11.
- Behringer, Emil, New York, N. Y. Freezing apparatus. 1,949,265; Feb. 27.
- Behringer, Emil, Richmond Hill, N. Y. Pasteurizing apparatus. 1,955,787; Apr. 24.
- Behrie, Edward H., assignor to Evr Klean Seat Pad Co., St. Louis, Mo. Seat cover. 1,964,242; June 26.
- Behrman, Abraham S., assignor to General Zeolite Co., Chicago, Ill. Water purification. 1,966,279; July 10.
- Behrman, Abraham S., assignor to General Zeolite Co., Chicago, Ill. Preparing base exchange materials. 1,978,889; Oct. 30.
- Behrman, Marcus B., Brooklyn, N. Y. Seal. 1,945,965; Feb. 6.
- Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor. 1,943,414; Jan. 16.
- Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor and blade. 1,943,415; Jan. 16.
- Behrman, Marcus B., Brooklyn, assignor to The Lox Seal Corporation, New York, N. Y. Shearing device for looms and blades therefor. 1,947,181; Feb. 13.
- Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor. 1,961,132; June 5.
- Behrman, Marcus B., assignor to Lox Seal Corporation, Brooklyn, N. Y. File wire. 1,979,438; Nov. 6.
- Behmyer, Thomas J., St. Louis, Mo. Picture-projecting device. 1,965,875; July 10.
- Beidler, Elliott W., Avon, assignor to Romec Pump Company, Elyria, Ohio. Rotary pump and mounting plate therefor. 1,957,038; May 1.
- Beidler, Elliott W., Avon, and W. L. Davis, Elyria, Ohio. Pump. 1,952,834; Mar. 27.
- Beidler, Ford E., New York, N. Y., assignor of one-half to C. J. Heermance. Safety exit light. 1,946,570; Feb. 13.
- Beidler, George C., Rochester, N. Y. Attachment for photographic print treating apparatus. 1,962,050; June 5.
- Beidler, George C., Rochester, N. Y. Paper cutting machine. 1,976,156; Oct. 9.
- Beidler, George C., Rochester, N. Y. Film treating apparatus. 1,977,753; Oct. 23.
- Beier, Kurt A. (See Schwitzer, L., Winkler, and Beier.)
- Beiger, Fred S. (See Eustis, R. L., and Beiger.)
- Beiger, John W., assignor to The Carrom Company, Ludington, Mich. Table top structure. 1,945,130; Jan. 30.
- Beiger, John W., assignor to The Carrom Company, Ludington, Mich. Table top structure. 1,955,219; Apr. 17.
- Beiger, John W., assignor to The Carrom Company, Ludington, Mich. Table top construction. 1,960,769; May 29.
- Beiger, John W., assignor to The Carrom Company, Ludington, Mich. Table top structure. 1,977,034; Oct. 16.
- Beiger, John W., assignor to Carrom Company, Ludington, Mich. Folding chair. 1,979,308; Nov. 6.
- Beiger, John W., assignor to The Carrom Company, Ludington, Mich. Table top construction. 1,979,309; Nov. 6.
- Beil, Bertie D., Renton, Wash. Trolling spinner. 1,943,283; Jan. 16.
- Beisel, Emil J., Portchester, N. Y. Wind deflector. 1,948,642; Feb. 27.
- Beisner, Lawrence F. (See Morton, W. B., and Beisner.)
- Beiswenger, Gustav A. (See Child, W. C., and Beiswenger.)
- Beiswenger, Gustav A., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating oil. 1,970,796; Aug. 21.
- Beiswenger, Gustav A., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating heavy residues. 1,978,361; Oct. 23.
- Beitling, Bismark C., San Fernando, Calif. Electrical coil winding apparatus. 1,948,875; Feb. 27.

- Beitling, Bismark C., San Fernando, Calif. Electrical coil winding device. 1,984,721; Dec. 18.
- Beitman, Albert B., Cleveland, Ohio. Windshield for automobiles. 1,985,660; Dec. 25.
- Beizer, Harold, Scranton, Pa. Signal transmission control system. 1,951,333; Mar. 20.
- Beja, Maurice, Salindres, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarque, Paris, France. Preparation of beryllium fluoride from a double fluoride of beryllium and of an alkali metal. 1,960,986; May 29.
- Bekk, Dr. & Kaulen Chemische Fabrik G. m. b. H. (See Well, Hans, assignor.)
- Belas, Francis T., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,950,877; Mar. 13.
- Belas, Francis T., Liverpool, England, and G. T. Baker, Glamorganshire, Wales, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,956,610; May 1.
- Belcher, Daniel, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Gumming apparatus. 1,958,779; May 15.
- Belcher, Daniel, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Tensioning mechanism for printing presses. 1,978,073; Oct. 23.
- Belcher, Edward B., Arlington, Mass., assignor, by mesne assignments, to Berst-Forster-Dixfield Co. Pulp-molding machine. 1,956,975; May 1.
- Belcher, Harold H. (See Galsion, H. L., and Belcher.)
- Belcher, Harold H. (See Sibson, W. W., and Belcher.)
- Belcher, Harold H., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Machine for drying textile materials. 1,980,163; Nov. 13.
- Belcher, Harold H., assignor to Philadelphia Drying Machinery Company, Philadelphia, Pa. Tenting and drying machine. 1,983,264; Dec. 4.
- Belcher, Warren J., and R. F. Dow, assignors to The Whitney Mfg. Co., Hartford, Conn. Chain drive and chain for use thereon. 1,956,942; May 1.
- Belden, Albert G., and C. G. Trefethen, assignors to Norton Company, Worcester, Mass. Automatic cam grinding machine. 1,945,588; Feb. 6.
- Belden, Daniel S., and W. Kelley, assignors to Filtritol Company of California, Los Angeles, Calif. Neutral adsorbent and process of making same. 1,946,124; Feb. 6.
- Belden, Daniel S., and W. Kelley, assignors to Filtritol Company of California, Los Angeles, Calif. Preparing absorbent low in salts and free from acid. 1,980,569; Nov. 13.
- Belden Manufacturing Company. (See Andre, Gustaf E., assignor.)
- Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
- Belding, George A., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Roof construction. 1,971,517; Aug. 28.
- Belfis, Georges, and J. A. Augier, Belfort, France, assignors to General Electric Company. Electric valve converting apparatus. 1,976,475; Oct. 9.
- Belford, Alexander G., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Two-feed circular knitting machine. 1,982,566; Nov. 27.
- Belfrost Diesels Limited. (See Belyavin, Paul, assignor.)
- Belgard, Austin B. (See Braucht, F. A., and Belgard.)
- Belgard, Austin B., Chicago, Ill., assignor to Belgard-Spero, Inc. Spectacles. 1,979,855; Nov. 6.
- Belgard-Spero, Inc. (See Belgard, Austin B., assignor.)
- Belgard-Spero, Inc. (See Braucht, F. A., and Belgard, assignors.)
- Belgard-Spero, Inc. (See Spero, Bernard, assignor.)
- Bel Geddes, Norman, and W. Paxton, New York, N. Y., assignors to The Bates Manufacturing Company, West Orange, N. J. Casing for a telephone index or like article. Des. 91,416; Jan. 30.
- Beline, Walter E., assignor to Carbondale Machine Company, Carbondale, Pa. Evaporator for refrigerating systems. 1,951,007; Mar. 13.
- Belknap, George J., assignor to The Belknap Manufacturing Co., Bridgeport, Conn. Oil sampling valve. 1,984,626; Dec. 18.
- Belknap, Joel R., assignor to Fuel Process Company, Charleston, W. Va. Fuel and treating fuels. 1,958,691; May 15.
- Belknap Manufacturing Co., The. (See Belknap, George J., assignor.)
- Belknap Manufacturing Company, The. (See Belknap, William L., assignor.)
- Belknap, William D. (See Hallwood, Thomas H., assignor.)
- Belknap, William L., Bridgeport, Conn. Heat responsive link. 1,953,582; Apr. 3.
- Belknap, William L., assignor to The Belknap Manufacturing Company, Bridgeport, Conn. Heat responsive valve. 1,949,776; Mar. 6.
- Belkoff, Michael A., et al. (See Bihler, Roger, assignor.)
- Bell, Alexander H., Los Angeles, Calif., assignor to Oil Well Supply Company, Pittsburgh, Pa. Drilling and production hoist. 1,964,421; June 26.
- Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Car seat. 1,968,434; July 31.
- Bell, Byron D., executor. (See Bell, Walter J.)
- Bell, Charles W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote controlling apparatus. 1,946,186; Feb. 6.
- Bell, Charles W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control apparatus. 1,946,187; Feb. 6.
- Bell, Charles W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway stitches. 1,957,575; May 8.
- Bell, Charles W., Buffalo, assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Replacement unit shipping structure. 1,949,558; Mar. 6.
- Bell, E. H. (See Willard, George T., assignor.)
- Bell, Edward B., Lowell, Mass. Brake mechanism. 1,942,044; Jan. 2.
- Bell, Edwin F., assignor to The Topeka Tent & Awning Company, Topeka, Kans. Window awning construction. 1,976,002; Oct. 9.
- Bell, Edwin F., assignor to Topeka Tent & Awning Company, Topeka, Kans. Front board support for awnings. 1,984,329; Dec. 11.
- Bell, Edwin H., Chicago, Ill. Tie plate. 1,945,174; Jan. 30.
- Bell, Edwin H., Chicago, Ill. Tie plate. 1,951,644; Mar. 20.
- Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Manufacture of annular objects. 1,965,446; July 3.
- Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Rolling rings. 1,971,027; Aug. 21.
- Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Vehicle spring. 1,984,565; Dec. 18.
- Bell, Frank B., and D. L. Hubbard, assignors to Edgewater Steel Company, Pittsburgh, Pa. Front spring for an automobile. 1,965,447; July 3.
- Bell, Frank B., and D. L. Hubbard, assignors to Edgewater Steel Company, Pittsburgh, Pa. Front spring for an automobile. 1,968,631; July 31.
- Bell, Harvey W., Ardsley-on-Hudson, assignor to The Beloyt Corporation, New York, N. Y. Spring shackle. 1,979,526; Nov. 6.
- Bell & Gossett Company. (See Tidd, Edwin B., assignor.)
- Bell, Guy A., Burlingame, Calif. Fuel injection device for internal combustion engines. 1,943,718; Jan. 16.
- Bell, Harold E., Spokane, Wash. Weather stripping. 1,946,728; Feb. 13.
- Bell & Howell Company, The. (See Howell, Albert S., assignor.)
- Bell & Howell Company, The. (See McNabb, Joseph H., assignor.)
- Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)
- Bell & Howell Company, The. (See Warmisham, Arthur, assignor.)
- Bell & Howell Company, The. (See Warmisham, A., and Cisski, assignors.)
- Bell, Ivan M., assignor of one-half to W. H. Westover, Yuma, Ariz. Jar cover holder. 1,985,437; Dec. 25.
- Bell, James H. (See Dinley, Clarence F., assignor.)
- Bell, John E. (See Kreisinger, H., and Bell.)
- Bell, John W., Chicago, Ill. Measuring dispenser. 1,956,308; Apr. 24.
- Bell, Joseph W. (See Hemstreet, D. A., and Bell.)
- Bell, Kenneth E., Marblehead, and M. C. McDonald, Salem, assignors to A. C. Lawrence Leather Company, Boston, Mass. Tanning hides and skins. 1,977,226; Oct. 16.
- Bell Machine Company, The. (See Bell, Morris A., assignor.)
- Bell, Morris A., assignor to The Bell Machine Company, Oshkosh, Wis. Match holder display. Des. 93,757; Nov. 6.
- Bell, Obie L., Belmont, Ohio. Water softening compound. 1,952,408; Mar. 27.
- Bell Punch Company Limited. (See Black, Horace D., assignor.)
- Bell Punch Company Limited. (See Fishburn, J. E., and Webb, assignors.)
- Bell Punch Company Limited. (See Fishburn, Thomas H., assignor.)
- Bell Punch and Printing Company Limited, The. (See Wohlrahe, Otto, assignor.)
- Bell, R. J., Company. (See Bell, Robert J., assignor.)
- Bell, R. R., et al. (See Haynes, James F., assignor.)
- Bell, Raymond T., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Metal floor construction. 1,941,967; Jan. 2.
- Bell, Raymond T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Sheet metal railway grade crossing. 1,965,026; July 3.
- Bell, Raymond T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Railway grade crossing construction. 1,979,790; Nov. 6.
- Bell, Robert J., assignor to R. J. Bell Company, Incorporated, Cape Charles, Va. Window antirattler. 1,970,879; Aug. 21.
- Bell, Sidney R., Stamford, Conn. Polishing device. 1,944,395; Jan. 23.
- Bell Telephone Laboratories, Incorporated. (See Aiken, Charles B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Beardow, George M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Beaumont, William M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Beck, William O., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Becker, Joseph A., assignor.)

- Bell Telephone Laboratories, Incorporated. (See Bennett, Arthur F., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bennett, William R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bertels, Arnold S., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Beschere, Edwin A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Betts, Philander H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bjornson, B. G., assignor, and Mitchell.)
 Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Black, Knox C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Blake, Foster B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Blattner, David G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bollman, John H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bostwick, Lee G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Buchanan, Russell B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Buckley, Oliver E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Buckley, O. E., and Malm, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Budenbom, Horace T., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Burchett, George W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Burns, Robert, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Burr, George W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Castner, Theodore G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Catogge, Joseph J., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Chagwidden, R. A., and Greiner, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Chesnut, Roy W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ciccollella, David F., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Cooke, Leighton B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Crabtree, James, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Crawford, Allen I., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Dawson, Wilfrid L., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Dowd, Andrew D., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Eglin, James M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ellis, William C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Elmer, Lloyd A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Erickson, John R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ferrell, Enoch B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Field, Joseph C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Foley, John W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Fowler, C. B., and Gonderham, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Frederick, Carl L., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Friis, Harald T., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Fritts, Morris, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Gargan, John O., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Given, Frederick J., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Glass, Myron S., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Glunt, O. M., and Gent, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Gordon, C. S., and Honan, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Goucher, F. S., and Christensen, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Gray, Alvin N., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Green, Charles W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Greenwood, Quentin E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Hampton, L. N., Davis, and Richard, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Hampton, L. N., and Gertsen, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Hardesty, James M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Hardy, Frank, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Harley, John B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Haviland, John R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Hayford, Walter S., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Hickman, Clarence N., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Horton, Joseph W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Hovgaard, Ole M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Jacobs, Oliver B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Jensen, Axel G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Jordan, William C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kalb, Robert M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Keller, Arthur C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kelly, Joseph B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kemp, Archie R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See King, Douglas H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See King, Gerald V., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kinkead, F. S., assignor, and Kandel.)
 Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Knott, William M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Korn, Franklin A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Krantz, Hubert K., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kreer, John G., jr., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kuchas, Francis, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kuhn, John J., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Kuntz, Frank A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Lane, C. C., and Locke, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Lane, Clarence E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Lane, Cuthbert C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Langabeer, H. T., and Lunsford, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Livingston, Frank B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Locke, George A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Long, George E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See MacPherson, Hugh D., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Marrison, Warren A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Marrison, W. A., and Mencham, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Martin, De Loss K., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)

- Bell Telephone Laboratories, Incorporated. (See Matthies, William H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See McCandless, Clarence H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See McKim, James B., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mead, Edward D., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mellick, John M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mendenhall, Hallam E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Miller, Daniel D., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mills, Percy E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Morrison, Louis A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Mougey, Wilbur E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Myers, Oscar, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Nebel, Charles N., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Norton, Edward L., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Norwine, Andrew C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Oakes, William C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Och, Henry G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ohl, Russell S., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Olpin, Albert R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See O'Neill, Henry W., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Orvis, William, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Patterson, E. M., and Shaw, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Peterson, Eugene, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Powell, Albert C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Power, James R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Quarles, Donald A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Raynsford, A., assignor, and Haines.)
 Bell Telephone Laboratories, Incorporated. (See Rettenmeyer, Francis X., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Reynolds, John N., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., and Clark, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., Clark, and Hale, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., and Depew, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., and Ericsson, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Ronci, V. L., and Laico, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Rumpel, Carl H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Russell, Alexander G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Scheer, William H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Schelkunoff, Sergie A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Shafer, Ira C., jr., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Shann, Oscar A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Slau-son, William C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Smith, Edward M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Smythe, Edwin H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Soreny, Ernest, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Staples, Robert T., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Steinberg, John C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Sterba, Ernest J., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Stilwell, George R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Stocker, Clasman P., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Stoller, Hugh M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Strieby, Maurice E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Studt, E., Kemp, and Malm, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Swickard, Andrew E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Swoboda, Adolph R., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Templeton, B. O., and Mills, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Thuras, Albert L., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Trebes, Bruno M. A., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Truck-ess, David E., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Tynan, Andrew G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Van Inwagen, Charles L., jr., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Van Inwagen, C. L., jr., and Mesch, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Vernam, G. S., and Locke, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Wagar, Harold N., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Wegel, Raymond L., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Wente, Edward C., assignor.)
 Bell Telephone Laboratories, Incorporated. (See West, Julian M., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Wheeler, Clyde H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Whitney, Wiley, assignor.)
 Bell Telephone Laboratories, Incorporated. (See Wiebusch, Charles F., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Williams, S. B., and Scudder, assignors.)
 Bell Telephone Laboratories, Incorporated. (See Williford, Oscar H., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Wilson, Ira G., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Wolpert, Frederick S., assignor.)
 Bell Telephone Laboratories, Incorporated. (See Zupa, Frank A., assignor.)
 Bell, Walter, and H. M. Van Alstyne, Rensselaer, N. Y. Picking mechanism for looms for weaving. 1,966,704; July 17.
 Bell, Walter J., deceased, Los Angeles, Calif.; B. D. Bell, executor. Transparent prismoidal mirror. 1,949,138; Feb. 27.
 Bell, William D., assignor to F. O. Schoedinger, Columbus, Ohio. Gas fired unit heater. 1,958,331; May 8.
 Bell, William W., Englewood, N. J., assignor to Celluloid Corporation. Coating composition. 1,982,280; Nov. 27.
 Bellah, William H., Los Angeles, Calif. Game apparatus. 1,985,736; Dec. 25.
 Bellamy, Harry T., Belvidere, Ill. Radiant burner. 1,950,470; Mar. 13.
 Bellamy, John I., Brookfield, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Impulse repeater. 1,944,704; Jan. 23.
 Bellamy, John I., Brookfield, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Cryptographic system and apparatus. 1,953,918; Apr. 10.
 Bellamy, John I., Brookfield, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telegraph system. 1,960,569; May 29.
 Bellanca, Giuseppe M., New Castle, Del. Landing gear. 1,943,783; Jan. 16.
 Bellanca, Giuseppe M., New Castle, Del. Airplane baggage compartment. 1,952,786; Mar. 27.
 Bellanca, Giuseppe M., New Castle, Del. Wing structure. 1,965,790; July 10.
 Bellanca, Giuseppe M., New Castle, Del. Wing structure. 1,969,200; Aug. 7.
 Bellanca, Giuseppe M., New Castle, Del. Airplane construction. 1,971,637; Aug. 28.
 Bellanca, Giuseppe M., New Castle, Del. Wing structure. 1,982,242; Nov. 27.
 Bellaschi, Peter L., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 1,962,379; June 12.
 Bellavia, Peter, Garwood, N. J. Convertible excursion outfit. 1,941,652; Jan. 2.
 Bellavia, Peter, Garwood, N. J. Secretary. 1,943,282; Jan. 16.
 Belle City Malleable Iron Company. (See Anderson, Russell J., assignor.)
 Bellec, Marcel, Miami Beach, and T. E. Stadig, Miami, Fla. Automobile signal switch. 1,956,056; Apr. 24.
 Beller, Hans. (See Franzen, H. Beller, and Luther.)
 Beller, Hans. (See Luther, M., and Beller.)
 Bellerive, Joseph S. D., St.-Agathe-des-Monts, Quebec, Canada. Tool handle. 1,943,807; Jan. 16.
 Belling, Karl. (See Sandelowsky, S., and Belling.)
 Bellingham, William J. (See Williams, Henry M., assignor.)
 Bellingroth, Friedrich, Runderoth-Schnellenbach, Germany. Dough portioning and molding machine with kneading device connected thereto. 1,960,367; May 29.
 Bellini, Ettore, Sarcelles, France, assignor to Compagnie Generale de Telegraphie sans Fil. Error compensating device for radiogoniometers. 1,941,457; Jan. 2.
 Bellini, Ettore, assignor to Compagnie Generale de Telegraphie sans Fil, Paris, France. Antenna system. 1,981,024; Nov. 20.

- Bellini, Ettore, assignor to Compagnie Generale de Telegraphie sans Fil, Paris, France. Direction finder. 1,983,729; Dec. 11.
- Bellis, Arthur E., Branford, Conn. Bright finishing metals. 1,970,268; Aug. 14.
- Bellmer, William. (See Felesina, G., and Bellmer.)
- Belloco, Toribio, Buenos Aires, Argentina. Plumbing. 1,941,593; Jan. 2.
- Bellows, Foy E., Whitewright, assignor of one-third to R. L. Bellows, Collin County, and one-third to G. Hamilton, Whitewright, Tex. Electric casting and molding machine. 1,944,163; Jan. 23.
- Bellows, R. L., et al. (See Bellows, Foy E., assignor.)
- Bellows, Warren S., Shaker Heights, Ohio. Table construction. 1,983,065; Dec. 4.
- Belloy, Antoine. (See Nemirovsky, Leon, assignor.)
- Belmet Products, Inc. (See Hardy, Charles, assignor.)
- Belmont, Leonard L., Bainbridge, assignor to C. B. Welch, Attapulgus, Ga. Fluid motor. 1,959,152; May 15.
- Belmont Packing and Rubber Company, The. (See Restein, Jules, assignor.)
- Beloit Iron Works. (See Berry, Earl E., assignor.)
- Beloyt Corporation, The. (See Bell, Harvey W., assignor.)
- Belshaw, Walter, Seattle, Wash. Clutch device for doughnut machines. 1,952,355; Mar. 27.
- Belsinger, Samuel P., Atlanta, Ga. Shipping container. 1,983,265; Dec. 4.
- Belt, A. S., Natural Resource Corporation. (See Belt, J. S., and Cady, assignors.)
- Belt, Joseph S., Amarillo, Tex., and H. P. Cady, Lawrence, Kans., assignors to J. S. Belt Natural Resource Corporation, Phoenix, Ariz. Producing solid carbon dioxide. 1,974,791; Sept. 25.
- Belt, Thomas A. E., Schenectady, N. Y., assignor to General Electric Company. Protective system for electrical apparatus. 1,973,520; Sept. 11.
- Belton, Oscar L. (See Belton, Porter L. and O. L.)
- Belton, Porter L. and O. L., Barborton, assignors to Seiberling Latex Products Company, Akron, Ohio. Rubber product having roughened or crinkler surfaces and producing the same. 1,983,963; Dec. 11.
- Beltz, Lester L., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,963,930; June 19.
- Belyavin, Paul, London, England. Built-up crankshaft for reciprocating engines. 1,984,454; Dec. 18.
- Belyavin, Paul, London, England, assignor to Belfrost Diesels, Limited, Hamilton, Ontario, Canada. Automatic valve. 1,968,805; Aug. 7.
- Belyavin, Paul, Glasgow, Scotland, assignor to Belfrost Diesels Limited, Hamilton, Ontario, Canada. Fuel-injection pump for solid injection oil engines. 1,955,526; Apr. 17.
- Bem, Joseph P., Oakland, assignor to Pacific Pitting Machine Company Inc., Fresno, Calif. Half-fruit pitting and coring machine. 1,941,874; Jan. 2.
- Bem, Joseph P., Oakland, assignor to Pacific Pitting Machine Company Inc., Fresno, Calif. Peach pitting support and tip cutter. 1,941,875; Jan. 2.
- Bem, Joseph P., Oakland, assignor to Pacific Pitting Machine Company Inc., Fresno, Calif. Pear coring apparatus. 1,950,652; Mar. 13.
- Bem, Joseph P., Oakland, assignor to Pacific Pitting Machine Company Inc., Fresno, Calif. Cannery box handling apparatus. 1,965,094; July 3.
- Beman, Ransom H., Detroit, Mich., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Method of and apparatus for controlling the flow of refrigerant. 1,960,433; May 29.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building construction. 1,953,287; Apr. 3.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building construction. 1,958,124; May 8.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building construction. 1,980,900; Nov. 13.
- Bemis, Albert F., Newton, assignor to Bemis Industries Incorporated, Boston, Mass. Building heating. 1,984,781; Dec. 18.
- Bemis Bro. Bag Company. (See Allen, Henry H., assignor.)
- Bemis Bro. Bag Co. (See Belcher, Daniel, assignor.)
- Bemis Bro. Bag Co. (See Case, William, assignor.)
- Bemis Bro. Bag Co. (See Geiger, William J., assignor.)
- Bemis Bro. Bag Co. (See Litchfield, Isaac W., assignor.)
- Bemis Bro. Bag Company. (See Scruggs, Thomas M., assignor.)
- Bemis Bro. Bag Co. (See Sparks, Charles F., assignor.)
- Bemis Industries, Incorporated. (See Bemis, Albert F., assignor.)
- Bemis Industries, Incorporated. (See Taylor, Cyrus J., assignor.)
- Bemis, Kenneth E., San Francisco, Calif. Stool pedestal. Des. 93,085; Aug. 21.
- Bemis, Kenneth E., San Francisco, Calif. Advertising sign. Des. 93,195; Sept. 4.
- Bemis, Kenneth E., San Francisco, Calif. Nondrip liquid dispenser. 1,956,888; May 1.
- Bemis, Kenneth E., San Francisco, Calif. Sandwich toaster. 1,978,735; Oct. 30.
- Bemis, Kenneth E., Glendale, Calif. Form for knockdown concrete structures. 1,948,486; Feb. 27.
- Bemis, Kenneth E., assignor to Walgreen Co., Chicago, Ill. Liquid dispensing apparatus. 1,946,519; Feb. 13.
- Bemis, William J., Schenectady, N. Y. Safety hook. 1,956,786; May 1.
- Benade, Walter. (See Siebert, O., and Benade.)
- Benaiges, José E., assignor of one-half to I. R. Boes, Villanueva y Geltru (Barcelona), Spain. Coin-free apparatus for discharging measured quantities of liquid. 1,977,606; Oct. 23.
- Benander, George B., Yalesville, assignor to Monowatt Electric Corporation, Bridgeport, Conn. Electric connector. 1,956,409; Apr. 24.
- Benander, George B., Yalesville, assignor to Monowatt Electric Corporation, Bridgeport, Conn. Electric connector. 1,956,410; Apr. 24.
- Benander, George B., Yalesville, assignor to Monowatt Electric Corporation, Bridgeport, Conn. Wire clamp. 1,963,596; July 31.
- Benander, George B., Yalesville, assignor to Monowatt Electric Corporation, Bridgeport, Conn. Attachment plug cap. 1,974,297; Sept. 18.
- Benander, George B., assignor to The Monowatt Electric Corporation, Bridgeport, Conn. Plug receptacle. 1,969,544; Aug. 7.
- Benarario, August, assignor to E. K. Avery, Chicago, Ill. Gear lock. 1,964,308; June 26.
- Benbough, Percy J., San Diego, Calif. Combination casket and receiver therefor. 1,956,849; May 1.
- Benbough, Perry J., San Diego, Calif. Combination casket and receiver therefor. 1,976,538; Oct. 9.
- Benbow, James D., and J. B. Green, assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill. Dump wagon. 1,983,433; Dec. 4.
- Bence, Charles, London, England. Brake mechanism, particularly for road vehicles. 1,972,004; Aug. 28.
- Benchoff, Albert J., Menard, Tex. Table. 1,961,733; June 5.
- Bencowitz, Isaac. (See Bacon, R. F., and Bencowitz.)
- Benda, Louis, Frankfurt-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Salts of dialkylaminoarylophosphinous acids and making them. 1,956,889; May 1.
- Benda, Louis, Frankfurt-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Salts of amino-acridine compounds with sulphonic acids. 1,975,387; Oct. 2.
- Bender, Arthur, New York, assignor to Curt Wolfelt, Inc., Brooklyn, N. Y. Shoe. Des. 91,917; Apr. 10.
- Bender, Arthur, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,323; Sept. 18.
- Bender, Arthur, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,324; Sept. 18.
- Bender, Edwin S., Berkeley, Calif. Store front. Des. 92,875; July 31.
- Bender, Eugene, Philadelphia, Pa. Rain and sun protector for windows. 1,951,268; Mar. 13.
- Bender, Frank M. (See McCormick, J. H., and Bender.)
- Bender, Frederick H., Chicago, assignor to General Steel Castings Corporation, Granite City, Ill. Railway hopper car structure. 1,943,294; Jan. 16.
- Bender, Frederick C., Brooklyn, N. Y. Advertising device. 1,965,448; July 3.
- Bender, Frederick C., assignor of one-half to O. Krause, Brooklyn, N. Y. Advertising device. 1,969,959; Aug. 14.
- Bender, Harry. (See Hirschkind, W., and Bender.)
- Bender, Harry, Antioch, Calif., assignor, by mesne assignments, to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purification of caustic soda solution. 1,944,630; Jan. 23.
- Bender, Howard L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Moldable composition and its product. 1,944,143; Jan. 16.
- Bender, Howard L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Nonfibrous compositions. 1,953,892; Apr. 3.
- Bender, Howard L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Phenol resin and making the same. 1,955,731; Apr. 24.
- Bender, Philip F., Jersey City, and C. C. Waite, Roselle Park, N. J., assignors, by mesne assignments, to The E. F. Hauserman Company, Cleveland, Ohio. Metallic partition. 1,964,422; June 26.
- Bender, Robert C., Davenport, Iowa. Heating and humidifying dust filter. 1,954,981; Apr. 17.
- Bender, Robert C., Davenport, Iowa. Returnable shipping container. 1,970,413; Aug. 14.
- Bender, Sydney E., New York, N. Y. Sample card. 1,977,421; Oct. 16.
- Bender Warrick Corporation. (See Warrick, Charles F., assignor.)
- Bender, Yvette, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 93,441; Oct. 2.
- Bendix Aviation Corporation. (See Ainsworth, George, assignor.)
- Bendix Aviation Corporation. (See Andres, William J., assignor.)
- Bendix Aviation Corporation. (See Bragg, Caleb S., assignor.)
- Bendix Aviation Corporation. (See Breese, Robert P., assignor.)
- Bendix Aviation Corporation. (See Carbonara, Victor E., assignor.)
- Bendix Aviation Corporation. (See Chappell, R. R., and Streb, assignors.)

Bendix Aviation Corporation. (See Colt, Rutger B., assignor.)
 Bendix Aviation Corporation. (See Copeland, Charles W., assignor.)
 Bendix Aviation Corporation. (See Cunningham, Marion M., assignor.)
 Bendix Aviation Corporation. (See Dowty, George H., assignor.)
 Bendix Aviation Corporation. (See Frank, Frederick C., assignor.)
 Bendix Aviation Corporation. (See Gallup, David L., assignor.)
 Bendix Aviation Corporation. (See Goepfrich, Rudolph A., assignor.)
 Bendix Aviation Corporation. (See Goodman, Willard B., assignor.)
 Bendix Aviation Corporation. (See Hall, Percy E., assignor.)
 Bendix Aviation Corporation. (See Herrmann, Karl L., assignor.)
 Bendix Aviation Corporation. (See House, Bryan E., assignor.)
 Bendix Aviation Corporation. (See Hunt, George H., assignor.)
 Bendix Aviation Corporation. (See Hunt, Scott F., assignor.)
 Bendix Aviation Corporation. (See Josephson, Henry, assignor.)
 Bendix Aviation Corporation. (See Ketay, Morris F., assignor.)
 Bendix Aviation Corporation. (See Kliessrath, Victor W., assignor.)
 Bendix Aviation Corporation. (See Kruesl, G. G., and Fisher, assignors.)
 Bendix Aviation Corporation. (See La Brie, Ludger E., assignor.)
 Bendix Aviation Corporation. (See Lorenzen, Christian, assignor.)
 Bendix Aviation Corporation. (See Marvel, Orin E., assignor.)
 Bendix Aviation Corporation. (See Minorsky, Nicolai, assignor.)
 Bendix Aviation Corporation. (See Nowosielski, Edward B., assignor.)
 Bendix Aviation Corporation. (See Peace, John D., Jr., assignor.)
 Bendix Aviation Corporation. (See Perrot, Henri, assignor.)
 Bendix Aviation Corporation. (See Prentiss, Augustin M., assignor.)
 Bendix Aviation Corporation. (See Rosner, Adolph, assignor.)
 Bendix Aviation Corporation. (See Sanford, Bert J., assignor.)
 Bendix Aviation Corporation. (See Semmes, Harry H., assignor.)
 Bendix Aviation Corporation. (See Seward, Clarence L., Jr., assignor.)
 Bendix Aviation Corporation. (See Smith, Marshall A., Jr., assignor.)
 Bendix Aviation Corporation. (See Taylor, Eugene V., assignor.)
 Bendix Aviation Corporation. (See Warren, Kenneth W., assignor.)
 Bendix Aviation Corporation. (See Wilson, Ira J., assignor.)
 Bendix Aviation Corporation. (See Wynee, C. H. L., Knott, and Miller, assignors.)
 Bendix Brake Company. (See Andres, William J., assignor.)
 Bendix Brake Company. (See Apple, Vincent G., assignor.)
 Bendix Brake Company. (See Apple, V. G., and Hukill, assignors.)
 Bendix Brake Company. (See Bendix, V., and La Brie, assignors.)
 Bendix Brake Company. (See Bittner, John, assignor.)
 Bendix Brake Company. (See Budd, Clarence E., assignor.)
 Bendix Brake Company. (See Carroll, Eugene G., assignor.)
 Bendix Brake Company. (See Cunningham, Marion M., assignor.)
 Bendix Brake Company. (See Delahaye, Walter H., assignor.)
 Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
 Bendix Brake Company. (See Fortini, Arturo, assignor.)
 Bendix Brake Company. (See Frank, Frederick C., assignor.)
 Bendix Brake Company. (See Gallup, David L., assignor.)
 Bendix Brake Company. (See Goepfrich, Rudolph A., assignor.)
 Bendix Brake Company. (See House, Bryan E., assignor.)
 Bendix Brake Company. (See Houston, George F., assignor.)
 Bendix Brake Company. (See Iversen, Poul A. S., assignor.)
 Bendix Brake Company. (See Kohr, Robert F., assignor.)
 Bendix Brake Company. (See La Brie, Ludger E., assignor.)
 Bendix Brake Company. (See Lyman, Kenneth E., assignor.)
 Bendix Brake Company. (See Mahoney, John P., assignor.)
 Bendix Brake Company. (See McConkey, Montgomery W., assignor.)

Bendix Brake Company. (See McDonald, Eugene G., assignor.)
 Bendix Brake Company. (See Michael, Gus F., assignor.)
 Bendix Brake Company. (See Norton, Raymond J., assignor.)
 Bendix Brake Company. (See Parker, Humphrey F., assignor.)
 Bendix Brake Company. (See Parker, H. F., and House, assignors.)
 Bendix Brake Company. (See Press, Carl, assignor.)
 Bendix Brake Company. (See Renaux, Eugene P., assignor.)
 Bendix Brake Company. (See Rosner, Adolph, assignor.)
 Bendix Brake Company. (See St. James, Robert T., assignor.)
 Bendix Brake Company. (See Sampson, John H., assignor.)
 Bendix Brake Company. (See Sanford, Roy S., assignor.)
 Bendix Brake Company. (See Stelzer, William, assignor.)
 Bendix Brake Company. (See Taylor, Cecil H., assignor.)
 Bendix Brake Company. (See Taylor, Eugene V., assignor.)
 Bendix Brake Company. (See Thompson, Carl B., assignor.)
 Bendix Brake Company. (See Turgot, Robert C. L. P., assignor.)
 Bendix Brake Company. (See Whitworth, Stanley, assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Du Bois, Otto D., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Graham, Leon L., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Hansen, N. M., and Bigelow, assignors.)
 Bendix-Cowdrey Brake Tester, Inc. (See Marshall, Furber I., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Norton, Raymond J., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Parks, Frederick W., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Parks, F. W., and Smalley, assignors.)
 Bendix-Cowdrey Brake Tester, Inc. (See Semmes, Harry H., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Statz, Robert J., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Taylor, Cecil H., assignor.)
 Bendix-Cowdrey Brake Tester, Inc. (See Twyman, B. Wickliffe, assignor.)
 Bendix, Frederick, and M. Bloch, San Francisco, Calif. Toaster. 1,948,978; Feb. 27.
 Bendix Research Corporation. (See Bates, Harrison, assignor.)
 Bendix Research Corporation. (See Bendix, Vincent, assignor.)
 Bendix Research Corporation. (See Gregg, David, assignor.)
 Bendix Research Corporation. (See Gunn, Ross, assignor.)
 Bendix Research Corporation. (See Havill, Clinton H., assignor.)
 Bendix Research Corporation. (See Houston, George F., assignor.)
 Bendix Research Corporation. (See Huckle, Myron S., assignor.)
 Bendix Research Corporation. (See Mansson, Martin, assignor.)
 Bendix Research Corporation. (See Mock, Frank C., assignor.)
 Bendix Research Corporation. (See Mock, F. C., and Havill, assignors.)
 Bendix Research Corporation. (See Rosner, Adolph, assignor.)
 Bendix Research Corporation. (See Smith, Marshall A., Jr., assignor.)
 Bendix Research Corporation. (See Stelzer, William, assignor.)
 Bendix Research Corporation. (See Wishon, Ralph, assignor.)
 Bendix Stromberg Carburetor Company, et al. (See Chandler, M. E., and Cole, assignors.)
 Bendix Stromberg Carburetor Company. (See Diener, John A., assignor.)
 Bendix Stromberg Carburetor Company. (See Hunt, Scott F., assignor.)
 Bendix-Stromberg Carburetor Company. (See Mock, Frank C., assignor.)
 Bendix Stromberg Carburetor Company. (See Mock, F. C., Gustafson, and Chandler, assignors.)
 Bendix Stromberg Carburetor Company. (See Prentiss, Augustin M., assignor.)
 Bendix Stromberg Carburetor Company. (See Welch, Horace H., assignor.)
 Bendix, Vincent, South Bend, Ind., assignor to Bendix Research Corporation, East Orange, N. J. Propeller. 1,967,735; July 24.
 Bendix, Vincent, Chicago, Ill., and L. E. La Brie, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,967,390; July 24.
 Bendix Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)
 Bendix-Westinghouse Automotive Air Brake Company. (See Vorech, S., and Johnson, Jr., assignors.)
 Bendix, Waldemar I., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,948,694; Feb. 27.

- Benedek, Elek, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Pump. 1,945,391; Jan. 30.
- Benedek, Elek, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Flexible elastic coupling. 1,953,211; Apr. 3.
- Benedek, Elek K., Mount Gilead, Ohio. Self-cooling high pressure lubricant film bearing. 1,961,029; May 29.
- Benedek, Elek K., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Variable delivery radial pump. 1,964,244; June 26.
- Benedek, Elek K., and H. F. MacMillin, assignors to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Constant delivery radial piston pump. 1,964,245; June 26.
- Benedek, Martin H., assignor to Micamold Radio Corporation, Brooklyn, N. Y. Electrical condenser. 1,970,269; Aug. 14.
- Benedek, Martin H., assignor to Micamold Radio Corporation, Brooklyn, N. Y. Electrical condenser. 1,973,038; Sept. 11.
- Benedek, Martin H., assignor to Micamold Radio Corporation, Brooklyn, N. Y. Electrical condenser. 1,973,039; Sept. 11.
- Benedict, Anthony C., Rockville Center, N. Y. Duplex envelope. 1,976,321; Oct. 9.
- Benedict, Charles A. R., Edwardsville, Ill. Airplane take-off accelerator. 1,957,931; May 8.
- Benedict, Edward L., Oakmont, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Wall structure. 1,945,991; Feb. 6.
- Benedict, Edward L., Oakmont, assignor of one-half to H. D. Stone, Pittsburgh, Pa. Can opener. 1,974,404; Sept. 18.
- Benedict, Samuel R., Birmingham, Ala. Snake bite outfit. 1,960,889; May 29.
- Benedict Stone Products Company. (See Clark, B. S., and Lowell, assignors.)
- Benedict Stone Products Company. (See Lowell, John W., assignor.)
- Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,971,172; Aug. 21.
- Benenati, Frank, Brooklyn, N. Y., assignor to Samuels Shoe Company, St. Louis, Mo. Shoe or article of analogous nature. Des. 94,109; Dec. 25.
- Benenati, Frank, Brooklyn, N. Y., assignor to Samuels Shoe Company, St. Louis, Mo. Shoe or article of analogous nature. Des. 94,110; Dec. 25.
- Benesh, Alvin H., St. Paul, Minn., assignor to Chain Belt Company, Milwaukee, Wis. Fluid cleaning apparatus. 1,942,381; Jan. 2.
- Benesh, Alvin H., assignor to Chain Belt Company, Milwaukee, Wis. Fluid projector. 1,947,752; Feb. 20.
- Benevento, Giuseppe S., Pittsburgh, Pa. Brick veneer. 1,982,724; Dec. 4.
- Beneville, Paul V., Dumont, N. J., assignor to Bigelow Sanford Carpet Co., Inc. Rug. Des. 91,642; Mar. 6.
- Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Reflectometer. 1,979,952; Nov. 6.
- Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Searchlight. 1,983,337; Dec. 4.
- Benge, Frank H., Bridgeport, Pa., assignor to Continental Diamond Fibre Company, Newark, Del. Mechanism for treating laminated bodies. 1,945,412; Jan. 30.
- Benge, Frank H., Bridgeport, Pa., assignor to Continental Diamond Fibre Company, Newark, Del. Apparatus for producing segmental rims. 1,945,413; Jan. 30.
- Benge, Frank H., Bridgeport, Pa., assignor to Continental Diamond Fibre Company, Newark, Del. Producing segmental rims. 1,945,414; Jan. 30.
- Benge, Frank H., Norristown, Pa., assignor to Continental Diamond Fibre Company, Newark, Del. Gear and segmental rim for use therein. 1,945,415; Jan. 30.
- Benge, Frank H., Norristown, Pa., assignor to Continental Diamond Fibre Company, Newark, Del. Composite article and making the same. 1,981,771; Nov. 20.
- Benger, Ernest B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of affixing stamps. 1,953,946; Apr. 10.
- Bengough, Guy D., and L. Whitby, Teddington, assignors to Imperial Trust for the Encouragement of Scientific and Industrial Research, London, England. Protecting magnesium and its alloys against corrosion. 1,961,030; May 29.
- Bengston, Helmer, assignor to Aluminum Colors Incorporated, Indianapolis, Ind. Coated aluminum and aluminum alloy. 1,946,147; Feb. 6.
- Bengtsson, Carl O., Huntingdon, Pa. Nonremovable display device. 1,970,071; Aug. 14.
- Benham, Dallas B., Minneapolis, Minn. Blanching machine. 1,970,540; Aug. 21.
- Benham, William T., Norwood, Ohio, assignor to The Mosler Lock Company, Inc., Covington, Ky. Antibandit electric time lock. 1,942,045; Jan. 2.
- Benham, William T., Norwood, Ohio, assignor to The Mosler Lock Company, Inc., Covington, Ky. Delayed lock control. 1,967,109; July 17.
- Beniston, William J., Seaford, assignor to Julius Kayser & Co., New York, N. Y. Knitted fabric. Des. 92,512; June 19.
- Beniston, William J., Seaford, assignor to Julius Kayser & Co., New York, N. Y. Knitted fabric. Des. 92,513; June 19.
- Beniston, William J., Seaford, assignor to Julius Kayser & Co., New York, N. Y. Knitted fabric. Des. 92,512; June 26.
- Benit, Henri, Paris, France. Apparatus for automatically charging batteries. 1,964,246; June 26.
- Benit, Henri, assignor to Compagnie Generale d'Electricite, Paris, France. Protecting lead against corrosion. 1,944,778; Jan. 23.
- Benit, Henri, assignor to Compagnie Generale d'Electricite, Paris, France. Hydraulic rotatory and translatory device. 1,979,439; Nov. 6.
- Benit, Henri, assignor to Compagnie Generale d'Electricite, Paris, France. Storage battery charging system. 1,979,440; Nov. 6.
- Benjamin, Anthony, Grand Rapids, Mich. Umbrella. 1,953,387; Apr. 3.
- Benjamin, Benjamin, Brooklyn, N. Y. Shoe. Des. 92,514; June 19.
- Benjamin, Benjamin, Brooklyn, N. Y. Shoe. Des. 92,696; July 10.
- Benjamin, Benjamin, New York, N. Y. Shoe. Des. 92,876; July 31.
- Benjamin, Benjamin, New York, N. Y. Shoe. Des. 93,196; Sept. 4.
- Benjamin, Benjamin, New York, N. Y. Shoe. Des. 93,758; Nov. 6.
- Benjamin, Benjamin, New York, N. Y. Shoe. Des. 93,908; Nov. 27.
- Benjamin, Benjamin, New York, N. Y. Shoe. Des. 93,962; Dec. 4.
- Benjamin, Bert R. (See Johnson, A. E. W., and Benjamin.)
- Benjamin, Bert R. (See Raney, C. R., and Benjamin.)
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor cultivator. 1,946,664; Feb. 13.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tension device for grain binders. 1,964,496; June 26.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cultivator beam structure. 1,977,422; Oct. 16.
- Benjamin, Edward O., Newark, N. J. Strainer. 1,976,914; Oct. 16.
- Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
- Benjamin Electric Mfg. Company. (See Leinen, Arthur P., assignor.)
- Benjamin Electric Manufacturing Company. (See Phillips, Paul D., assignor.)
- Benjamin Electric Mfg. Company. (See Waterbury, John H., assignor.)
- Benjamin Electric Mfg. Company. (See Wideroe, Marshall S., assignor.)
- Benjamin, George R., Jersey City, and J. W. Long, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Projector for type bar printers. 1,980,160; Nov. 13.
- Benjamin, Gordon L. (See Maust, E. J., and Benjamin.)
- Benjamin, Harry S., Utica, N. Y. Wall mounting for vending machines. 1,959,809; May 22.
- Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Indirect lighting system. 1,965,170; July 3.
- Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Mfg. Co., Des Plaines, Ill. Shock absorbing socket. 1,982,781; Dec. 4.
- Benjamin, Victor C., Los Angeles, Calif. Filtering method and material. 1,949,644; Mar. 6.
- Benjamin, Victor C., Los Angeles, Calif. Filtering material and method. 1,954,236; Apr. 10.
- Benjamin, Walter R., Granite City, Ill. Pedal scooter. 1,977,035; Oct. 16.
- Benjamin, William J., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Selective and self-threading loom needle mechanism. 1,964,692; June 26.
- Benjinsohn, Samuel, assignor to S. Benson, New York, N. Y. Shade bracket. 1,969,443; Aug. 7.
- Benn, Alonzo N., Chicago, Ill. Meat shaping and supporting device. 1,948,839; Feb. 27.
- Benner, Harry P. (See Egloff, G., and Benner.)
- Benner, Harry P., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,978,562; Oct. 30.
- Benner, Louis A., Anaheim, and H. F. Moseley, Baldwin Park, Calif. Fruit cleaner. 1,952,619; Mar. 27.
- Benner, Raymond C., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of rubber bonded abrasive articles. 1,953,983; Apr. 10.
- Benner, Raymond C., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of rubber bonded abrasive articles. 1,969,497; Aug. 7.
- Benner, Raymond C., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and making the same. 1,970,835; Aug. 21.
- Benner, Raymond C., G. J. Easter, and B. W. Stromberg, assignors to The Carborundum Company, Niagara Falls, N. Y. Operating fuel burning apparatus. 1,955,574; Apr. 17.
- Benner, Raymond C., Niagara Falls, N. Y., G. H. Porter, Pittsfield, Mass., and C. S. Nelson, assignors to The Carborundum Company, Niagara Falls, N. Y. Manufacture of rubber bonded abrasive articles. 1,970,834; Aug. 21.

- Benner, Raymond C., Niagara Falls, and A. L. Ball, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Apparatus for refining of raw materials. 1,971,335; Aug. 28.
- Benner, Raymond C., and H. N. Baumann, jr., assignors to The Carborundum Company, Niagara Falls, N. Y. Glazed refractory articles and making the same. 1,975,069; Oct. 2.
- Benner, Raymond C., and W. G. Soley, assignors to The Carborundum Company, Niagara Falls, N. Y. Reinforced abrasive wheel and the manufacture thereof. 1,975,070; Oct. 2.
- Benner, Raymond C., and H. E. Stowell, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive wheel. 1,982,628; Dec. 4.
- Benner, Russell E. (See Zellers, J. A., and Benner.)
- Benner, Russell E., Buffalo, assignor to Remington Rand Inc., New York, N. Y. Cover plate for a typewriting machine. Des. 91,698; Mar. 13.
- Benner, Russell E., Middletown, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting and like machine. 1,952,053; Mar. 27.
- Bennett, Albert J. (See Chavin, M. I., and Bennett.)
- Bennett, Arthur. (See Stokes, Charles J., assignor.)
- Bennett, Arthur F. (See Graves, B. P., and Bennett.)
- Bennett, Arthur F., Richmond Hill, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical amplifier. 1,952,577; Mar. 27.
- Bennett, Arthur F., West Barrington, R. I., assignor to Brown and Sharpe Manufacturing Company. Milling machine. 1,959,329; May 22.
- Bennett, Arthur F., West Barrington, R. I., assignor, by mesne assignments, to Associated Patents, Inc., Cincinnati, Ohio. Machine tool. 1,962,979; June 12.
- Bennett, Arthur J., Cambridge, Ohio. Combined flower vase holder and candlestick. 1,977,816; Oct. 23.
- Bennett, Averill M., Lusk, Wyo. Suction cleaner. 1,970,355; Aug. 14.
- Bennett Box Co. (See Boughton, Willis A., assignor.)
- Bennett-Chapmanizing, Inc. (See Bennett, Wilbur R., assignor.)
- Bennett, Charles E., Decatur, Ga. Grounding device. 1,962,758; June 12.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Cable joint. 1,947,454; Feb. 20.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Cable construction. 1,947,455; Feb. 20.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Terminal structure for electric cables. 1,959,338; May 22.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric power cable. 1,959,339; May 22.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable. 1,968,019; July 31.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric power cable. 1,969,720; Aug. 14.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Cable system. 1,969,721; Aug. 14.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Cable system for the underground transmission of high tension electrical energy. 1,969,722; Aug. 14.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 1,975,075; Oct. 2.
- Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Cable terminal. 1,980,370; Nov. 13.
- Bennett, Charles W., Douglaston, assignor to Photo-Cast, Inc., Rochester, N. Y. Printing. 1,952,787; Mar. 27.
- Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Axle twisting device. Re19,398; Dec. 18.
- Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Process and apparatus for bending axles. 1,972,285; Sept. 4.
- Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Gauge arm. 1,974,006; Sept. 18.
- Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Spindle and king pin gauge. 1,985,306; Dec. 25.
- Bennett, Douglas T. (See Murkham, L. W., and Bennett.)
- Bennett, Edwin O. (See Moran, D. J., and Bennett.)
- Bennett, Frank. (See Hallowell, H. T., and Bennett.)
- Bennett, Frank. (See Hallowell, H. T., Bennett and Morse.)
- Bennett, Frank I., jr., Highland Park, assignor to Johnson & Johnson, New Brunswick, N. J. Adhesive tape or plaster. 1,944,834; Jan. 23.
- Bennett, George L., Terre Haute, Ind. Veneering of building structures. 1,963,966; June 26.
- Bennett, George L., Terre Haute, Ind. Less than carload freight container. 1,970,592; Aug. 21.
- Bennett, George L., Terre Haute, Ind. Soap dispenser. 1,983,527; Dec. 11.
- Bennett, Harold C. (See Emery, G. G., Knowlton, and Bennett.)
- Bennett, Harry, Brooklyn, N. Y. Reaction products of glycols and boric acid and producing the same. 1,953,741; Apr. 3.
- Bennett, Harry, Brooklyn, N. Y. Treating waxes and the like and novel product obtained thereby. 1,955,527; Apr. 17.
- Bennett, Harry, Brooklyn, N. Y. Producing an aqueous wax emulsion. 1,981,608; Nov. 20.
- Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Removing wax from petroleum oils. 1,960,617; May 29.
- Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Sweetening hydrocarbon products. 1,965,821; July 10.
- Bennett, Harry T., and L. G. Story, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Lubricating oil. 1,942,636; Jan. 9.
- Bennett, Henry E., Chicago, Ill. Chair. 1,981,579; Nov. 20.
- Bennett, Herman W., and F. Townsley, Owensboro, Ky.; said Townsley assignor to said Bennett. Combined mail box and reflected sign. 1,979,727; Nov. 6.
- Bennett, Incorporated. (See Becher, Hubert L., assignor.)
- Bennett, Incorporated. (See Neitzke, Oscar F., assignor.)
- Bennett, Irving T., Rome, and F. C. Reynolds, New York, N. Y., assignors, by mesne assignments, to Metropolitan Engineering Company. Heating and cooling apparatus. 1,971,173; Aug. 21.
- Bennett, Irving T., Rome, and F. C. Reynolds, New York, N. Y., assignors, by mesne assignments, to Metropolitan Engineering Company. Heating and cooling system. 1,985,009; Dec. 18.
- Bennett, James G. (See Peterson, Hjalmar M., assignor.)
- Bennett, Jerry, Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,969,058; Aug. 7.
- Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Fly swatter. Des. 92,573; June 26.
- Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Fly swatter. Des. 92,877; July 31.
- Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Fly swatter. Des. 93,909; Nov. 27.
- Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Container. 1,942,953; Jan. 9.
- Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Extension handle. 1,982,629; Dec. 4.
- Bennett, John L., and S. A. Platt, assignors to U. S. Manufacturing Corporation, Decatur, Ill. Fly swatter. Des. 93,533; Oct. 9.
- Bennett, John M., Detroit, Mich. Key holder. 1,981,984; Nov. 27.
- Bennett, Joseph S., Bradford, Pa. Indicator for aircraft. 1,941,533; Jan. 2.
- Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Liner block for tubular fluid-cooled walls. 1,943,125; Feb. 6.
- Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Ash disposal system. 1,958,561; May 15.
- Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Furnace tuyère. 1,958,842; May 15.
- Bennett, Mills T., Cleveland Heights, Ohio. Stone facing for frame buildings. 1,954,611; Apr. 10.
- Bennett, Morris H., Prospect, assignor to Scovill Manufacturing Company, Waterbury, Conn. Condenser assembly fig. 1,979,856; Nov. 6.
- Bennett, Moses E., assignor of one-fourth to F. Blackwell and one-fourth to F. Carmon, Detroit, Mich. Spring or resilient wheel. 1,943,412; Feb. 20.
- Bennett, Owen G., assignor to Catalyst Research Corporation, Baltimore, Md. Production of metallic carbonyls. 1,975,076; Oct. 2.
- Bennett Pumps Corporation. (See Weaver, Clyde E., assignor.)
- Bennett, Ralph E., Evanston, Ill., assignor to Sprayo-Flake Company, Milwaukee, Wis. Insulation and fireproofing. 1,978,125; Oct. 23.
- Bennett, Ralph S. (See McEachron, K. B., Newton, and Bennett.)
- Bennett, Raymond A., Cambridge, assignor to The Boothby Fibre Can Company, Boston, Mass. Refrigerant receptacle. 1,952,026; Mar. 20.
- Bennett, Raymond A., Cambridge, assignor to Boothby Fibre Can Company, Boston, Mass. Container and making the same. 1,976,003; Oct. 9.
- Bennett, Stevens A., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Can or container. 1,974,132; Sept. 18.
- Bennett, Verna L., Jackson Heights, assignor to L. & E. Stirn, Inc., New York, N. Y. Textile fabric or similar article. Des. 91,310; Jan. 9.
- Bennett, Walter E., assignor to Clover Leaf Manufacturing Co., Honesdale, Pa. Supporting means for bobbins. 1,959,996; May 22.
- Bennett, Wilbur R., Maplewood, N. J., assignor to Bennett-Chapmanizing, Inc., Springfield, Mass. Hardening metals. 1,975,058; Sept. 25.
- Bennett, William R., Oakland, Calif., assignor to Hazel Atlas Glass Company, Wheeling, W. Va. Jar. Des. 93,086; Aug. 21.

- Bennett, William R., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 1,953,459; Apr. 3.
- Bennett, Winton R. (See Weiss, C. R., and Bennett.)
- Benning, Ralph T., St. Louis, Mo. Arch support. 1,947,000; Feb. 13.
- Benning, William F., Benton Harbor, Mich. Basket handle. 1,958,562; May 15.
- Bennington, Charles H., and I. L. Stein, assignors to Harmatone Company, Inc., New York, N. Y. Harmonica. Re19,299; Sept. 4.
- Bennington, Charles H., and I. L. Stein, assignors to Harmatone Company, Inc., New York, N. Y. Harmonica. Des. 92,285; May 22.
- Bennington, Earl T., Huntsburg, and J. H. Weisner, University Heights, Ohio. Track rail for monorail systems. 1,956,976; May 1.
- Bennison, Walter C. (See Foley, T. E., and Bennison.)
- Benny, Louis, Buffalo, assignor to H. C. Holly, Lockport, N. Y. Battery cable terminal. 1,980,779; Nov. 13.
- Benoit, Delor J., Fordson, Mich. Window sash mounting. 1,966,196; July 10.
- Benoit, Frederick A., assignor to Packard Motor Car Company, Detroit, Mich. Stripping fixture. 1,971,898; Aug. 28.
- Benoit, Joseph P., Alton, Ill., assignor to Owens-Illinois Glass Company. Bottle handling apparatus. 1,950,077; Mar. 6.
- Benoit, Joseph P., Alton, Ill., assignor to Owens-Illinois Glass Company. Bottle handling apparatus. 1,981,641; Nov. 20.
- Benoit, Joseph P., Alton, Ill., assignor to Owens-Illinois Glass Company. Apparatus for handling bottles and jars. 1,981,642; Nov. 20.
- Benoit, Joseph P., Alton, Ill., and L. D. Soubier, Woonsocket, R. I., assignors to Owens-Illinois Glass Company. Glassware forming machine. 1,949,894; Mar. 6.
- Benoit, Leon, Chicago, Ill. Egg carton. Re19,143; Apr. 24.
- Benoit, Leon, Chicago, Ill. Machine for setting up cartons. 1,960,238; May 29.
- Benoit, Leon, E. J. Kanabay, Chicago, Ill., A. E. Brown, and W. Vaughan, London, Ontario, Canada; said Kanabay, said Brown and said Vaughan, assignors to said Benoit. Method and mechanism for assembling cartons. 1,970,550; Aug. 21.
- Benroth, Julius S., Phoenix, assignor of one-fourth to M. E. Kinsey, Scottsdale, one-fourth to T. J. Tunney, Phoenix, Ariz., and one-fourth to J. A. Saunders, Washington, D. C. Gauge stick wiper. 1,985,334; Dec. 25.
- Bens, Samuel J., New York, N. Y. Pack holder and cutter. 1,941,458; Jan. 2.
- Bensa, Felice. (See Matscher, Giuseppe, assignor.)
- Benson, Arthur E., Dedham, Mass. Feeler mechanism for looms. 1,958,463; May 15.
- Benson, Arthur E., Dedham, Mass. Feeler mechanism for looms. 1,973,133; Sept. 11.
- Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electrically driven lathe. 1,961,546; June 5.
- Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Orange juice extractor. 1,962,856; June 12.
- Benson, Bernhart A., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Electric actuating mechanism for ice-cream freezers. 1,983,653; Dec. 11.
- Benson, Delle A. R., administratrix. (See Benson, William E.)
- Benson, Earl U., Cushing, Okla. Automatic thermogravity gas cut-off. 1,979,857; Nov. 6.
- Benson, Earle H., Pulaski, N. Y. Dispensing container for coiled paper. 1,978,154; Oct. 23.
- Benson, Edward E., Providence, R. I. Door shield. 1,970,836; Aug. 21.
- Benson, George J., Cleveland, Ohio. Tunnel excavating machine. 1,943,103; Jan. 9.
- Benson, Harold B., Brooklyn, N. Y. Brake mechanism. 1,946,892; Feb. 13.
- Benson, Jesse M., Concord, Tenn., assignor to Construction Equipment Company, Inc., Caddo Parish, La. Scaffold hoist. 1,950,288; Mar. 6.
- Benson, Jesse M., Concord, Tenn., assignor to Construction Equipment Company, Inc., Caddo Parish, La. Scaffold hoist. 1,950,289; Mar. 6.
- Benson, Jesse M., Concord, Tenn., assignor to Construction Equipment Company, Inc., Caddo Parish, La. Scaffold. 1,950,290; Mar. 6.
- Benson, Melvin B., assignor, by mesne assignments, to Melvin B. Benson Corporation, New York, N. Y. Speed reducer. 1,942,794; Jan. 9.
- Benson, Melvin B., assignor, by mesne assignments, to Melvin B. Benson Corporation, New York, N. Y. Power transmission and speed reduction system. 1,942,795; Jan. 9.
- Benson, Melvin B., assignor, by mesne assignments, to M. B. Benson Corporation, New York, N. Y. Reduction gear drive. 1,942,796; Jan. 9.
- Benson, Melvin B., New York, N. Y., assignor, by mesne assignments, to Melvin B. Benson Corporation and M. B. Benson. Radio receiving system. 1,980,713; Nov. 13.
- Benson, Melvin B., Corporation. (See Benson, Melvin B., assignor.)
- Benson, Oscar B., Watertown, Mass. Method and apparatus for controlling storage batteries. 1,975,892; Oct. 9.
- Benson, Peter P., Detroit, Mich. Cage. Des. 91,699; Mar. 13.
- Benson, Sarah. (See Benjinsohn, Samuel, assignor.)
- Benson, William E., deceased, Boston, Mass., D. A. B. Benson, administratrix. Dispenser. 1,950,382; Mar. 13.
- Bent, Jesse A., assignor of one-third to S. Q. Shannon and one-third to L. M. Hinds, Los Angeles, Calif. Wire binding. 1,982,630; Dec. 4.
- Bent, Quincy, E. F. Entwistle, and V. J. Pazzetti, Bethlehem, Pa., assignors to Bethlehem Steel Company. Open hearth furnace operation. 1,983,927; Dec. 11.
- Bentley, Harold W., New York, N. Y. Portable supporting device. 1,953,527; Apr. 3.
- Bentley, James B. (See Simpson, W. T., and Bentley.)
- Bentley, John W. (See Schmidt, P. H., and Bentley.)
- Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Elastic fluid turbine. 1,973,554; Sept. 11.
- Bentley, Percival A., C. F. Manger, and C. H. Wainwright, Leicester, England. Knitting machine. 1,970,072; Aug. 14.
- Bentley, William H., Wallacey, and B. Catlow, Oswaldtwistle, assignors to William Blythe & Company Limited, Church, England. Resolution of mixtures of phenols into their components. 1,980,901; Nov. 13.
- Benton, Lawrence G., Pompton Lakes, and H. R. Tate, Elizabeth, N. J., and E. R. Lewtas, Brooklyn, N. Y., assignors to Standard Oil Development Company. Rust proofing oil. 1,943,808; Jan. 16.
- Benton, William A., assignor to W. & T. Avery Limited, Birmingham, England. Apparatus for determining the specific gravity of solid substances or bodies. 1,950,963; Mar. 13.
- Bentz, Frank J., Philadelphia, Pa. Calculating chart. Des. 91,700; Mar. 13.
- Bentz, Harry, Montclair, N. J. Proofing dough. 1,941,653; Jan. 2.
- Bentzel, Frank D., assignor to Burroughs Adding Machine Company, Detroit, Mich. Checkwriting machine. 1,958,464; May 15.
- Benwood-Linze Company. (See Hambuechen, C., and Peters.)
- Benya, John H., Lakewood, Ohio. Switch. 1,979,441; Nov. 6.
- Benzon, Frederick L. (See Cowles, Clifford W., assignor.)
- Beon, Louis, assignor to Salem Glass Works, Salem, N. J. Leer loader. 1,978,780; Oct. 30.
- Beplate, Viktor. (See Rathgeber, F., Schulz, Beplate, and Ruesch.)
- Beplate, Viktor, Sydowsaue, near Stettin, Germany, assignor to North American Rayon Corporation, New York, N. Y. Conveyer loading device. 1,967,213; July 24.
- Beran, Charles F., Tuckahoe, N. Y., assignor to Celanese Corporation of America. Bobbin. 1,977,714; Oct. 23.
- Berardinelli, Alfredo, Genoa, Italy. Hull construction. 1,983,964; Dec. 11.
- Berbeck, Train, Baltimore, Md. Aircraft. 1,972,005; Aug. 28.
- Berberich, Henry G. (See Wiesel, R. F., and Berberich.)
- Berby, Ola L. (See McGiffert, J. R., and Berby.)
- Berby, Ola L., assignor to Clyde Iron Works, Duluth, Minn. Stiff leg connector. 1,958,780; May 15.
- Berchet, Gerard J. (See Carothers, W. H., and Berchet.)
- Berchet, Gerard J. (See Carothers, W. H., Berchet, and Jacobson.)
- Berchin, Nicholas U., Cleveland, assignor to T. G. Gregory, East Cleveland, Ohio. Dissolving cellulose. 1,970,270; Aug. 14.
- Bercot, Franklin P., Fort Wayne, Ind. Remote control apparatus. 1,945,511; Feb. 6.
- Berdolt, Frank, Walden, assignor of one-half to M. D. Berdolt, Albany, N. Y. Waterproofing and tanning composition and preparation. 1,969,701; Aug. 7.
- Berdolt, Minnie E. (See Berdolt, Frank, assignor.)
- Berdon, Albert E., Detroit, assignor to A C Spark Plug Company, Flint, Mich. Fuel pumping system for internal combustion engines. 1,957,754; May 8.
- Bereche, Ernest V., Flushing, N. Y. Indicating control system. 1,948,498; Feb. 27.
- Berejkoff, Anatole P., and F. C. Brockman, Schenectady, N. Y., assignors to General Electric Company. Stop mechanism. 1,977,334; Oct. 16.
- Bereman, John W., Wichita, Kans. Folding table. 1,966,944; July 17.
- Berendt, Alfred, New York, N. Y. Collapsible boat. 1,953,059; Apr. 3.
- Berendt, Alfred, New York, N. Y. Self-closing paste tube. 1,977,227; Oct. 16.
- Berg, Arthur, Chicago, Ill. Shoe. 1,952,409; Mar. 27.
- Berg, Axel A., Brooklyn, N. Y., and F. F. Townsend, Hoboken, N. J. Pilot ladder. 1,962,890; June 12.
- Berg, Charles E., Watertown, N. Y. Article holder. 1,976,430; Oct. 9.
- Berg, Edward C. (See Traeger, P. E., and Berg.)
- Berg, Francis H., Balwyn, Victoria, assignor of one third to F. W. Stone, Melbourne, Victoria, Australia. Steering stabilizer. 1,958,810; May 15.
- Berg, Frederick A., Chicago, Ill. Automatic space and current control for carbon arcs. 1,959,654; May 22.
- Berg, Hans, Grand Rapids, Mich. Cabinet corner construction. 1,981,494; Nov. 20.
- Berg, Hillmer F., Port Angeles, Wash. Log towing device. 1,960,570; May 29.

- Berg, John J., Cecil, assignor of one-half to R. E. Williams, Green Valley, Wis. Fertilizer distributor. 1,968,513; July 31.
- Berg, Otto M., Emeryville, Calif. Shoe sole. 1,981,300; Nov. 20.
- Berg, Roy E., Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Vibration damped structure. 1,975,918; Oct. 9.
- Berg, Wilhelm, Bielefeld, Germany. Motor operated chuck for lathes and other machine tools. 1,971,638; Aug. 28.
- Bergdolt, Alfred, Cologne-on-the-Rhine, and A. Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the carbazole series. 1,981,301; Nov. 20.
- Bergdolt, Alfred, Cologne-on-the-Rhine, G. Schrader, Op-laden, and M. Corell, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs containing a pyrene nucleus. 1,982,977; Dec. 4.
- Bergdolt, Alfred, Cologne-on-the-Rhine, and A. Schmelzer, Cologne-Mulheim-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuff containing a chrysenes nucleus. 1,984,722; Dec. 18.
- Berge, Joseph, Montclair, assignor to National Lock Washer Company, Newark, N. J. Lock washer. 1,966,427; July 17.
- Bergé, Julien, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Centrifugal separation. 1,970,551; Aug. 21.
- Bergé, Julien, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Apparatus for centrifugal separation. 1,970,552; Aug. 21.
- Bergen Building Block Company. (See Brooke, H., Conway, and Parker, assignors.)
- Bergen, Harry S., Akron, Ohio. Weighing scale. 1,949,707; Mar. 6.
- Bergen, William V., and A. C. Shute, Portland, Oreg. Light reflector. Des. 92,574; June 26.
- Bergener, August W., assignor to Republic Metalware Company, Inc., Buffalo, N. Y. Flour sifter or the like. 1,977,607; Oct. 23.
- Berger, Edwin, assignor to firm Jenaer Glaswerk Schott & Gen., Jena, Germany. Optical glass. 1,943,051; Jan. 9.
- Berger, Edwin, assignor to the firm Jenaer Glaswerk Schott & Gen., Jena, Germany. Heat absorbing glass. 1,961,603; June 5.
- Berger, Ernst K. H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of camphor. 1,983,894; Dec. 11.
- Berger, Friedrich W. F., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Locking mechanism for calculating machines. 1,984,723; Dec. 18.
- Berger, Idell, Los Angeles, Calif. Hook lock. 1,978,781; Oct. 30.
- Berger, Jacques L. B., assignor to André Paul Guinard, St. Cloud, France. Feeding and emptying device for reservoirs. 1,973,325; Sept. 11.
- Berger, Kornel, New York, N. Y. Apparatus for and method of forming internal threads by stamping dies. 1,942,353; Jan. 2.
- Berger, Kornel, New York, N. Y. Swivel harp fixture for electric lamps. 1,974,947; Sept. 25.
- Berger, Maurice P. (See Hertz, S., and Berger.)
- Berger, Samuel I., Newark, N. J. Typewriter machine. Des. 93,087; Aug. 21.
- Berger, Samuel I., Newark, N. J. Typewriter base. Des. 93,088; Aug. 21.
- Berger, Samuel I., Newark, N. J. Mechanical tractor toy. 1,957,312; May 1.
- Berger, Samuel I., Newark, N. J. Toy vehicle. 1,968,121; July 31.
- Berger, Walter, Dresden-Alstadt, Germany, assignor, by mesne assignments, to General Electric Company. Incandescent lamp filament. 1,957,242; May 1.
- Bergerhausen, Paul, Duren, and J. Kufferath, Mariaweller, Germany. Dental plate. 1,945,767 Feb. 6.
- Bergeron, Lawrence G., assignor to The Mello Chime and Signal Corporation, Cleveland, Ohio. Signal chime. Des. 92,643; July 3.
- Bergeron, Rufus B., Baytown, Tex. Kite. 1,973,793; Sept. 18.
- Bergert, Henry A., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway truck. 1,982,897; Dec. 4.
- Bergfels, William, Asbury, assignor to Lackawanna Manufacturing Company, Inc., Hackettstown, N. J. Top. Des. 93,379; Sept. 25.
- Berggren, Frans E., Kramfors, Sweden. Disbarking long-cut lumber with the aid of disbarking drums. 1,950,078; Mar. 6.
- Berggren, Nels. (See Barclay, R. E., and Berggren.)
- Bergh, Edmund C., Hendrum, Minn. Vertical lift jack. 1,966,749; July 17.
- Bergh, Philip, assignor to Jantzen Knitting Mills, Portland, Oreg. Swimming suit and making the same. 1,969,349; Aug. 7.
- Berghoff, Joseph J. (See Williams, G. M., and Berghoff.)
- Bergholm, Harry K., and H. M. Ullstrand, Evansville, Ind., assignors to Electrolux Servel Corporation, New York, N. Y. Condenser for refrigerating apparatus. 1,946,467; Feb. 13.
- Bergholt, Fred B., Minneapolis, Minn. Automobile. Des. 91,799; Mar. 27.
- Berglund, Arthur. (See Bundick, C. U., and Berglund.)
- Berglund, Martin. (See Youtten, H., Lindqvist, and Berglund.)
- Berglund, Nils, assignor to United American Bosch Corporation, Springfield, Mass. Machine tool attachment. 1,980,178; Nov. 13.
- Bergman, Donald J. (See Mather, P., and Bergman.)
- Bergman, Louis M., Akron, Ohio. Door operating device. 1,959,897; May 22.
- Bergman, Richard S., Shaker Heights, Ohio. Currency holder. 1,972,214; Sept. 4.
- Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Adjustable speed capacitor motor. 1,952,155; Mar. 27.
- Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Centrifuge bucket. 1,979,953; Nov. 6.
- Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Manufacturing centrifuge buckets. 1,979,954; Nov. 6.
- Bergman, Ture V., Halsingborg, and H. A. Svedberg, Halmstad, Sweden. Treating cream for increasing the viscosity thereof. 1,944,541; Jan. 23.
- Bergmann, Carl, Bloomfield, N. J., assignor of one-half to G. R. Thompson, New York, N. Y. Automobile signaling device. 1,959,330; May 22.
- Bergmann, Friedrich. (See Winkler, F., Hochheim and Bergmann.)
- Bergmann, Leo O., Colona, Mich. Massage apparatus. 1,973,198; Sept. 11.
- Bergmann, Max, Dresden, Germany. After-treatment of leather. 1,947,513; Feb. 20.
- Bergmann, Max, Dresden, Germany. Tanning hides. 1,970,271; Aug. 14.
- Bergmann, Stephan, and J. Charwat, Vienna, Austria, assignors to Naamlooze Vennootschap "Elin" Nederlandsche voor Electriciteits Industrie, Amsterdam, Netherlands. Telephone system. 1,970,217; Aug. 14.
- Bergmann, William H., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Shears. 1,944,917; Jan. 30.
- Bergmann, William H., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rake. 1,980,252; Nov. 13.
- Bergner, John, assignor to Trenle China Company, East Liverpool, Ohio. Plate. Des. 91,643; Mar. 6.
- Berquist, Anna F., Gardner, Mass. Washing machine. 1,983,836; Dec. 11.
- Berquist, Arthur E., assignor of one-fourth to A. E. Gustafson and one-fourth to A. E. Martenson, Lindstrom, Minn. Cooky caddy. 1,948,326; Feb. 20.
- Bergstein, Milton, New York, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Electrolytic condenser. 1,951,720; Mar. 20.
- Bergstein, Milton, New York, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Electrolytic condenser containing monoethanolamine. 1,973,602; Sept. 11.
- Bergstein, Samuel, Cincinnati, Ohio. Machine for assembling cartons. 1,960,804; May 29.
- Bergstein, Samuel, Cincinnati, Ohio. Machine and method for making knockdown boxes. 1,962,759; June 12.
- Bergstein, Samuel, Cincinnati, Ohio. Sealing packages. 1,974,256; Sept. 18.
- Bergstein, Samuel, Cincinnati, Ohio. Machine and method for making knockdown boxes. 1,974,408; Sept. 25.
- Bergstein, Samuel, Cincinnati, Ohio. Manufacturing hermetically sealed packages. 1,976,980; Oct. 16.
- Bergstein, Samuel, Cincinnati, Ohio. Sealing packages. 1,980,179; Nov. 13.
- Bergstein, Samuel, Cincinnati, Ohio. Hermetically sealed carton and sealing the same. 1,980,180; Nov. 13.
- Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Making paper boxes and the like. 1,956,820; May 1.
- Bergstrom, Albert L. (See Lothrop, M. T., and Bergstrom.)
- Bergstrom, Arthur T., assignor to Signode Steel Strapping Company, Chicago, Ill. Stretching tool. 1,969,115; Aug. 7.
- Bergstrom, Eric M., Goring-on-Thames, and W. P. Digby, London, England. Pipe. 1,969,540; Aug. 7.
- Bergstrom, Eric M., Goring-on-Thames, and W. P. Digby, London, England. Pipe. 1,982,852; Dec. 4.
- Bergstrom, George A., Everett, Wash. Shingle facing machine. 1,944,631; Jan. 23.
- Bergstrom, John A., Newark, N. J., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Self tapping screw. 1,963,542; June 19.
- Bergstrom, Kenneth H., Lawrence, assignor to Tyer Rubber Company, Andover, Mass. Finger support for manicurists. 1,982,589; Nov. 27.
- Bergstrom, Kenneth H., Andover, and G. L. Lawrence, Melrose, assignors to Tyer Rubber Company, Andover, Mass. Flexible container and applicator. 1,979,218; Oct. 30.
- Bergvall, Royal C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Simultaneously tripping relaying system. 1,967,110; July 17.
- Bergvall, Royal C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,971,808; Aug. 28.
- Bergeve, Einar, Oslo, Norway. Manufacturing an acid tooth paste. 1,947,635; Feb. 20.
- Berhley, Fred. (See Ellman, W., and Berhley.)
- Berlau, Oscar A., assignor to U. S. B. Process, Limited, Quebec, Quebec, Canada. Printing. 1,977,372; Oct. 16.

- Beringer, Cornelius R., Budapest, assignor to the firm "Smelting," Kobaszati es Femmuvet Reszv.-Tars. in Pesterzsebet, Pesterzsebet, Hungary. Manufacturing zinc oxide. 1,971,639; Aug. 28.
- Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Friction and positive clutch mechanism. 1,944,149; Jan. 23.
- Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Helical gear transmission. 1,970,729; Aug. 21.
- Berkdoff, Edward C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,983,895; Dec. 11.
- Berkeley, Busby, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Revolving stage. 1,979,363; Nov. 6.
- Berkeley, Laurence J., Cleveland, Ohio. Controlling valve device. 1,957,090; May 1.
- Berkenhoff & Drebers A. G. (See Diehl, Johannes F., assignor.)
- Berkey, Harry L., Marion Center, Pa. Hoist line tool. 1,962,129; June 12.
- Berkey, Harry L., Marion Center, Pa. Hoisting device. 1,962,130; June 12.
- Berkey, Peter, assignor to Self-Locking Carton Company, Chicago, Ill. Egg carton. 1,953,099; Apr. 3.
- Berkhuijsen, Eric H., The Hague, Netherlands. Apparatus for bringing liquids and gases into intimate contact. 1,985,010; Dec. 18.
- Berkley Machine Works & Foundry Co., Inc. (See Jones, Samuel G., assignor.)
- Berkley Machine Works & Foundry Co., Inc. (See Mueller, Paul F., assignor.)
- Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Holder and expander for piston rings. 1,983,965; Dec. 11.
- Berkman, Irving. (See De Groot, Mortimer, assignor.)
- Berkmont Company. (See Kowallis, Theodore, assignor.)
- Berkowitz, Eugene B. (See Gibbs, Orma L., assignor.)
- Berkowitz, Eugene B., Kansas City, Mo. Envelope construction. 1,963,190; June 19.
- Berkowitz, Max, Lawrence, N. Y. Pocketbook. 1,983,266; Dec. 4.
- Berkowitz, Michael, New York, assignor to United Research Corporation, Long Island City, N. Y. Motion picture-projecting machine. 1,955,938; Apr. 24.
- Berkowitz, Michael, New York, assignor to United Research Corporation, Long Island City, N. Y. Motion picture-projecting machine. 1,975,309; Oct. 2.
- Berkshire Knitting Mills. (See Hemmerich, Hugo, assignor.)
- Berkshire Knitting Mills. (See Krisslep, Max, assignor.)
- Berland, Leon A., Seine, France. Connecting rod. 1,981,609; Nov. 20.
- Berlin, David W., Rasunda, Sweden. Process and apparatus for continuous centrifugal separation. 1,952,788; Mar. 27.
- Berlin, Ludwig W. (See Kranzlein, G., Müller, and Berlin.)
- Berlin-Karlsruher Industrie-Werke A. G. (See Lampart, Hugo, assignor.)
- Berliner, Henry A., Washington, D. C., assignor to Berliner-Joyce Aircraft Corporation, Dundalk, Md. Airplane construction. 1,977,616; Oct. 23.
- Berliner-Joyce Aircraft Corporation. (See Berliner, Henry A., assignor.)
- Berliner, Julius F. T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Antifreeze non-corrosive solution. 1,956,266; Apr. 24.
- Berlizheimer, David T. (See Stein, Raphael, assignor.)
- Berlyn, Martin J., Montreal, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Motor driven power unit for valves and the like. 1,977,961; Oct. 23.
- Berman, Sam. and P. Ziff, Chicago, Ill. Nonrefillable container. 1,967,701; July 24.
- Bermppohl, Wilhelm, Berlin, Germany. Photographic camera. 1,951,896; Mar. 20.
- Bern, Harry A. (See Schwarzkopf, A. R., and Bern.)
- Bernard, David G., assignor, by mesne assignments, to F. W. Kohler, Chicago, Ill. Device for handling rolls of paper. 1,950,538; Mar. 13.
- Bernard, Jean, Le Jasse par St.-Hilaire de Brethmas, France. High tension ignition magneto. 1,961,275; June 5.
- Bernarde, Henry L., Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical frequency responsive system. 1,958,883; May 15.
- Bernarde, Henry L., Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical measuring and regulating system. 1,973,279; Sept. 11.
- Bernardi, John, Jamaica Plain, Mass. Golf putter head. Des. 94,111; Dec. 25.
- Bernardin Bottle Cap Co. (See Spahn, August C., assignor.)
- Bernardin Bottle Cap Co. (See Underwood, Olan B., assignor.)
- Bernardini, Luigi, Rome, Italy. Producing foodstuffs. 1,949,895; Mar. 6.
- Bernasconi, Charles, and R. M. Berthier, Savoy, France. Electromechanical lamp. 1,956,339; Apr. 24.
- Berndt, Arthur A., assignor, by mesne assignments, to Electroline Company, Chicago, Ill. Connector. 1,955,628; Apr. 17.
- Berndt, Walter. (See Ernst, O., and Berndt.)
- Berndt, Walter, and O. Ernst, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing methylene chloride. 1,964,868; July 3.
- Bernert, George, Milwaukee, Wis. Pneumatic conveying apparatus. 1,967,462; July 24.
- Bernesser, Vincent F., Shandaken, N. Y. Fluid dispensing apparatus. 1,970,272; Aug. 14.
- Berney, Ernest S., Fallon, Nev. Scraping machine. 1,974,099; Sept. 18.
- Berney, Harold, Miami, Fla. Box. 1,974,792; Sept. 25.
- Bernhard, Walter E., Detroit, Mich., assignor to Michigan Power Shovel Company. Power shovel. 1,969,871; Aug. 14.
- Bernhard, William E., Buffalo, N. Y. Imitation log siding. 1,953,460; Apr. 3.
- Bernhardt, Alwine, New York, N. Y. Extra towel holder. 1,956,340; Apr. 24.
- Bernhardt, Max E., New York, N. Y. Lighter unit and mounting therefor. 1,982,493; Nov. 27.
- Bernhardt, Rudolph, Chicago, Ill. Dispensing device for liquids. Des. 93,810; Nov. 13.
- Bernheimer, Adolph L. (See de Malaussene, Henri S., assignor.)
- Bernheimer, Adolph L. (See De Malaussene, H. S., and Bernheimer.)
- Berning, Joseph A., and C. V. Ashba, Des Moines, Iowa. Adjustable rotary sign. 1,974,597; Sept. 25.
- Bernitz, Ernest, sr., La Mesa, Calif. Protecting trees from insects. 1,953,947; Apr. 10.
- Bernitz, Ernest, sr., La Mesa, Calif. Protecting trees from crawling insects. 1,954,795; Apr. 17.
- Bernitz Furnace Appliance Company. (See Nygaard, Oscar, assignor.)
- Bernitz Furnace Appliance Company. (See Snow, Benjamin H., assignor.)
- Bernstein, Arnold. (See Roscher, E. K., and Kahmann, assignors.)
- Bernstein, Irving H. (See Presslaff, M., and Bernstein.)
- Bernstein, Jack, New York, N. Y. Adjustable drop seat undergarment. 1,965,213; July 3.
- Bernstein, Leon, Brooklyn, N. Y. Buckle. 1,972,582; Sept. 4.
- Bernstein, Maurice, et al. (See Saunders, T., and Castline, assignors.)
- Berolzheimer, Clarence P., Chicago Heights, Ill. Coil cord for electric current. Des. 93,325; Sept. 18.
- Berolzheimer, Solomon M., and S. B. Gamble, Chicago, assignors to Diamond Braiding Mills, Chicago Heights, Ill. Method of and furnace for heat treatment. 1,957,932; May 8.
- Berriman, Edward W., Tampa, Fla. Tipped cigar and making the same. 1,969,834; Aug. 14.
- Berry, Bert C., assignor to E. Kammerer, Long Beach, Calif. Paste tube. 1,956,558; May 1.
- Berry, Charles F., Boston, Mass. Wading boot with concealable top extension. 1,975,597; Oct. 2.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper-making machinery. 1,947,636; Feb. 20.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper winder. 1,950,159; Mar. 6.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Dandy roll. 1,953,060; Apr. 3.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper winder. 1,979,310; Nov. 6.
- Berry F. E., Jr., & Co. Inc. (See Macleod, Keith, assignor.)
- Berry, George P. (See Almen, J. O., and Berry.)
- Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Steering mechanism. 1,948,487; Feb. 27.
- Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Slack adjuster for valves. 1,950,500; Mar. 13.
- Berry, Harry C., Little Rock, Ark. False teeth. 1,941,735; Jan. 2.
- Berry, Herbert C., Chicago, Ill. Spill-proof receptacle. 1,976,765; Oct. 16.
- Berry, Herbert H., London, England. Imitation fuel for electric fires and radiators. 1,947,672; Feb. 20.
- Berry, Michael E., assignor to The American-National Company, Toledo, Ohio. Body for baby carriages or the like. Des. 92,061; Apr. 24.
- Berry, Michael E., assignor to The American National Company, Toledo, Ohio. Hood for baby carriages or the like. Des. 93,442; Oct. 2.
- Berry, Otto C. (See Funston, F. D., and Berry.)
- Berry, Otto C., Flint, Mich. Carburetor. 1,944,397; Jan. 23.
- Berry, Otto C., assignor to Marvel Carburetor Co., Flint, Mich. Heat control for manifolds. 1,944,396; Jan. 23.
- Berry, Richard G., jr., Columbus, Ohio. Cigarette container or the like. 1,943,052; Jan. 9.
- Berry, Robert C., assignor of one-half to A. J. Klaisler, Indianapolis, Ind. Change-speed device. 1,969,683; Aug. 7.
- Berry, Robert F., and R. L. Moon, Hanford, Calif. Gold separator. 1,948,781; Feb. 27.
- Berry, William C. (See Shrike, G. W., and Berry.)
- Berryman, Warren C., Cleveland, Ohio. Terminal connection. 1,961,954; June 5.
- Berryman, Warren C., Cleveland, Ohio. Battery and similar connection. 1,961,955; June 5.
- Berssenbrugge, William, Milwaukee, Wis. Corner construction for tables. 1,957,195; May 1.

- Berst-Forster-Dixfield Co. (See Belcher, Edward B., assignor.)
- Bersted, Martin C., San Diego, Calif. Water sprinkler. 1,942,395; Jan. 9.
- Bertea, Alexander, Winsted, Mass., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Electric flat iron. Des. 92,834; July 24.
- Bertea, Alexander, assignor to The Fitzgerald Manufacturing Company, Winsted, Conn. Thermostatic control switch. 1,951,920; Mar. 20.
- Bertele, Ludwig, assignor to Zeiss Ikon, Aktiengesellschaft, Dresden, Germany. Objective. 1,975,677; Oct. 2.
- Bertele, Ludwig, assignor to Zeiss Ikon, Aktiengesellschaft, Dresden, Germany. Objective. 1,975,678; Oct. 2.
- Bertels, Arnold S., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing circuit. 1,968,435; July 31.
- Berth, Levi & Co. (See Ragals, William C., assignor.)
- Berthelemy, Pierre, H. de Montby, and J.-M. Pouvreau, assignors to Société Anonyme française dite: Société des Brevets Berthelemy de Montby, Paris, France. Preparing alloys. 1,966,480; July 17.
- Berthelemy, Pierre, H. de Montby, and J.-M. Pouvreau, assignors to Société Anonyme française dite: Société des Brevets Berthelemy de Montby, Paris, France. Homogeneous antimony-bismuth alloy. 1,966,481; July 17.
- Berthier, René M. (See Bernasconi, C., and Berthier.)
- Berthold, Erich. (See Kunz, M. A., Koeberle, and Berthold.)
- Berthold, Erich. (See Kunz, M. A., Kränzlein, Koeberle, Corell, Berthold, and Vollmann.)
- Berthold, Eugene, Brooklyn, N. Y. Combined brush and paste-tube device. 1,969,253; Aug. 7.
- Berthold, Hermann. (See Gassner, S., and Berthold.)
- Berthold, Hermann, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuff preparations. 1,963,967; June 26.
- Berthold, Hermann, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuff preparation. 1,964,309; June 26.
- Berthold, Hermann, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Printing textile fibers. 1,970,644; Aug. 21.
- Berthold, Hermann, and E. Liese, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat and sulphur dyestuff preparation. 1,968,926; Aug. 7.
- Berthold Rudolf G. (See von Engel, A., Berthold, and Rüdenberg.)
- Berthold, Walter. (See Kluge, K., and Berthold.)
- Berthon, Rodolphe, Neuilly, France, assignor, by mesne assignments, to Kislun Corporation, New York, N. Y. Illuminating device for goffered films. 1,985,398; Dec. 25.
- Bertling, Herbert, Berlin, assignor to Kurt Dicken, Berlin-Charlottenburg, Germany. Lowering the consumption of light in color photography. 1,945,768; Feb. 6.
- Bertocchini, Umberto, Leghorn, Italy. Glass flask or similar article. Des. 93,326; Sept. 18.
- Bertoglio and McTaggart Storage Company. (See Youten, H., Lindqvist, and Berglund, assignors.)
- Bertossa, Harry A., Detroit, assignor of one-half to J. R. Weeks, Birmingham, Mich. Warm air furnace. 1,944,488; Jan. 23.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for attaching heels to shoes. 1,948,499; Feb. 27.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 1,960,327; May 29.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole fitting machine. 1,971,475; Aug. 28.
- Bertrand, Frederic E., East Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrasive tool. 1,948,643; Feb. 27.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole and method of and means for operating thereon. 1,981,943; Nov. 27.
- Bertsch, Heinrich, Chemnitz, Germany. Sulphuric derivative of higher alcohols. 1,968,797; July 31.
- Bertsch, Heinrich, assignor to the firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Saxony, Germany. Preparing esters. 1,947,673; Feb. 20.
- Bertsch, Heinrich, assignor to firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Wetting and dispersing agents. 1,951,469; Mar. 20.
- Bertsch, Heinrich, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Preparing esters. 1,951,784; Mar. 20.
- Bertsch, Heinrich, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Preparing esters. 1,951,785; Mar. 20.
- Bertsch, Heinrich, assignor to the firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Production of alkoxyalkyl esters of organic carboxylic and sulphonic acids. 1,967,655; July 24.
- Bertsch, Heinrich, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Agent for wetting, dispersing, etc. 1,967,656; July 24.
- Bertsch, Heinrich, Chemnitz, Germany, assignor, by mesne assignments to American Hyalcol Corporation, Wilmington, Del. Sulphuric ester of higher alcohols. 1,968,793; July 31.
- Bertsch, Heinrich, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalcol Corporation, Wilmington, Del. Making sulphuric reaction products of aliphatic alcohols. 1,968,794; July 31.
- Bertsch, Heinrich, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalcol Corporation, Wilmington, Del. Wetting agent. 1,968,795; July 31.
- Bertsch, Heinrich, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalcol Corporation, Wilmington, Del. Production of primary alcohols. 1,971,742; Aug. 28.
- Bertsch, Heinrich, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalcol Corporation, Wilmington, Del. Reducing organic compounds. 1,971,743; Aug. 28.
- Bertsch, Heinrich, Chemnitz, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Saxony, Germany. Treatment substance. 1,974,007; Sept. 18.
- Bertsch, Johann A., St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Hydrolysis of halogenated hydrocarbons. 1,966,281; July 10.
- Bertsch, Johann A., and A. H. Krause, St. Louis, Mo., assignors, by mesne assignments, to Monsanto Chemical Company. Purification of succinic acid. 1,945,175; Jan. 30.
- Bertsch, Rudolf, Rottweil-on-the-Neckar, Germany. Shoe lace clasp. 1,941,654; Jan. 2.
- Bertsche, Ralph, jr., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 1,983,787; Dec. 11.
- Bertschi, Jacob, assignor to Utah Radio Products Company, Chicago, Ill. Electromagnetic vibratory motor. 1,944,487; Jan. 23.
- Bertschinger, Charles F., Rosedale, N. Y., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Apparatus for cleaning crank cases. 1,955,169; Apr. 17.
- Bertsen, Heinrich, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalcol Corporation, Wilmington, Del. Agent for wetting, emulsifying, etc. 1,968,796; July 31.
- Bertucci, Antone, San Jose, Calif., assignor to American Can Company, New York, N. Y. Drawing press mechanism. 1,949,407; Mar. 6.
- Bertuccioli, Tomaso B. (See Molyneux-Seel, M. A. M., and Bertuccioli.)
- Berwick, Jo D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Mat. 1,948,327; Feb. 20.
- Berwick, John W. (See Shaw, J., and Berwick.)
- Berwick, Louis P., Methuen, Mass. Hose cutter. 1,983,837; Dec. 11.
- Berwind Fuel Co., of Delaware. (See Komarek, Gustav, assignor.)
- Beryllium Corporation. (See Smith, Joseph K., assignor.)
- Besal, Joseph A., Chicago, and C. E. Ives, Wilmette, assignors to United States Gypsum Company, Chicago, Ill. Sheet handling machine. 1,958,692; May 15.
- Bescherer, Edwin A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletype-writer apparatus. 1,985,011; Dec. 18.
- Besler, William J., Plainfield, N. J. Valve for brake systems. 1,973,326; Sept. 11.
- Besler, William J., Oakland, Calif., assignor to Doble Steam Motors, Ltd., Reno, Nev. Control. 1,951,339; Mar. 20.
- Besly, Charles H., & Company. (See Young, Ralph W., assignor.)
- Besocke, Richard, Highland Park, assignor to The Heyer Corporation, Chicago, Ill. Duplicating machine. 1,956,611; May 1.
- Besselièvre, Edmund B., Spring Lake, N. J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Grit removal apparatus. 1,967,196; July 17.
- Besselièvre, Edmund B., Spring Lake, N. J., assignor to The Dorr Company, Inc., New York, N. Y. Sewage treatment. 1,967,197; July 17.
- Besselièvre, Edmund B., Spring Lake, N. J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Detriting apparatus. 1,979,955; Nov. 6.
- Bessler Disappearing Stairway Company, The. (See Bessler, Frank E., assignor.)
- Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Household appliances. 1,953,038; Mar. 27.
- Bessmer, William A., and A. J. Aubin, assignors to Hamermill Paper Company, Erie, Pa. Four drum winder. 1,951,182; Mar. 13.
- Bessom, Earl A., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe support. 1,964,026; June 26.
- Bessom, Earl A., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,980,371; Nov. 13.
- Besson, Jacob, Stockton, Md. Windshield cleaner. 1,946,009; Feb. 6.
- Best, Clarence A., Floyds Knob, Ind. Shipping crate. 1,954,912; Apr. 17.
- Best, Clarence L., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor control. 1,942,637; Jan. 9.
- Best Foods, Inc., The. (See Vahtelch, Hans W., assignor.)

- Best, Frank M., New York, N. Y. Electrical amplifier and the like. 1,950,653; Mar. 13.
- Best, Frank P., London, England, assignor to Radio Corporation of America. High-frequency transmitter. 1,972,370; Sept. 4.
- Best Manufacturing Co. (See Baltzley, Louis E., assignor.)
- Best Manufacturing Company. (See McGall, Philip K., assignor.)
- Best, Percival H., assignor to The Acme Shear Company, Bridgeport, Conn. Abrasive blast cleaning machine. 1,951,008; Mar. 13.
- Best, Seward, Quincy, Ill., assignor to J. A. S. Ehart and W. H. Henning, copartners, doing business under the firm name and style of A-B-C Manufacturing Co. Sewer pipe construction. 1,968,734; July 31.
- Best, Wilson F., and W. Kremer, assignors to Grand Rapids Sample Case Company, Grand Rapids, Mich. Basket. 1,958,737; May 15.
- Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Making thin abrasive wheels. 1,970,122; Aug. 14.
- Bethea, Robert F., College Park, Ga. Thermostat alarm for bearings. 1,946,382; Feb. 6.
- Bethel, Albert R., Huntington Park, Calif., assignor to Hartford-Empire Company, Hartford, Conn. Glass molding apparatus. 1,979,661; Nov. 6.
- Bethel, Albert R., Huntington Park, Calif., assignor to Hartford-Empire Company, Hartford, Conn. Leer. 1,979,662; Nov. 6.
- Bethel, Maywood, Hext, Tex. Cotton baling machine. 1,955,438; Dec. 25.
- Bethenod, Joseph, Paris, France. Thermionic tube. 1,955,404; Apr. 17.
- Bethenod, Joseph, Paris, assignor to Societe de Paris et du Rhone, Lyon, France. Electric starter for internal combustion engines. 1,964,310; June 26.
- Bethenod, Joseph, Paris, France, assignor to General Electric Company. Electric power translating system. 1,967,857; July 24.
- Bethenod, Joseph, and H. Goudet, Paris, France, assignors to The Falk Corporation, Milwaukee, Wis. Centrifugal clutch. Re19,110; Mar. 13.
- Bethke, Harvey R., Milwaukee, Wis. Cigarette package. 1,949,139; Feb. 27.
- Bethlehem Shipbuilding Corporation. (See Wetherbee, C. P., and Burkhardt, assignors.)
- Bethlehem Steel Company. (See Angel, H. H., and Cook, assignors.)
- Bethlehem Steel Company. (See Bent, Q., Entwistle, and Pazzetti, assignors.)
- Bethlehem Steel Company. (See Castner, Willis H., assignor.)
- Bethlehem Steel Company. (See Comstock, George S., assignor.)
- Bethlehem Steel Company. (See Farabaugh, Edward L., assignor.)
- Bethlehem Steel Company. (See Fosdick, Alexander H., assignor.)
- Bethlehem Steel Company. (See Gravell, William H., assignor.)
- Bethlehem Steel Company. (See Lehman, Edgar R., assignor.)
- Bethlehem Steel Company. (See Morgan, Rees C., assignor.)
- Bethlehem Steel Company. (See Nieman, Henry W., assignor.)
- Bethlehem Steel Company. (See Underwood, Charles E., assignor.)
- Bettelman, Daniel C., Dedham, assignor to The Patent and Licensing Corporation, Boston, Mass. Method and apparatus for making roofing. 1,973,863; Sept. 18.
- Betke, A. Frederick, Schenectady, N. Y., assignor to General Electric Company. Control system for heat treating apparatus. 1,969,708; Aug. 7.
- Betner, Benjamin C., Company. (See Higginbottom, William E., assignor.)
- Bettendorf Company, The. (See Hamilton, Karl M., assignor.)
- Bettendorf, William E., Davenport, assignor, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Blade frame assembly for slicing machines. 1,968,020; July 31.
- Bettendorf, William E., Davenport, assignor to The Micro Corporation, Bettendorf, Iowa. Blade frame and blade assembly for slicing machines. 1,968,021; July 31.
- Better Packages, Incorporated. (See Krueger, Theodore H., assignor.)
- Better Rides, Incorporated. (See Rose, C. S., and Miller, assignors.)
- Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Forming alloys. 1,941,534; Jan. 2.
- Betterton, Jesse O., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Forming alloys. 1,941,535; Jan. 2.
- Betterton, Jesse O., and C. W. Hanson, Omaha, Nebr., assignors to American Smelting & Refining Company, New York, N. Y. Slag formation and reduction in lead-softening. 1,950,387; Mar. 13.
- Betterton, Jesse O., and R. A. Crites, Omaha, Nebr., and H. P. Wagner, Gravesend, England, assignors to American Smelting & Refining Company, New York, N. Y. Softening lead bullion. 1,950,388; Mar. 13.
- Betterton, Jesse O., and R. A. Crites, Omaha, Nebr., and H. P. Wagner, Gravesend, England, assignors to American Smelting & Refining Company, New York, N. Y. Treatment of lead softening drosses. 1,950,389; Mar. 13.
- Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Removal of residual debismuthizing reagents in lead refining. 1,979,442; Nov. 6.
- Bettes, George W., Sparta, Mich. Gasoline tank filler indicator. 1,953,669; Apr. 3.
- Bettin, John A., Los Angeles, Calif. Truss chain. 1,953,388; Apr. 3.
- Bettis, William I., assignor to Patterson-Ballagh Corporation, Los Angeles, Calif. Applicator for elastic rings, etc. 1,965,876; July 10.
- Betts, Everett D., assignor to The Rudy Furnace Company, Dowagiac, Mich. Humidifier for furnaces. Des. 92,227; May 15.
- Betts, Everett D., assignor to Rudy Furnace Company, Dowagiac, Mich. Water heating coil. 1,958,738; May 15.
- Betts, Philander H., Belmar, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant frequency apparatus. 1,947,182; Feb. 13.
- Betts, Philander H., Belmar, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant temperature apparatus. 1,984,514; Dec. 18.
- Betz, Charles F., East St. Louis, Ill. Piston pin assembly. 1,943,364; Jan. 16.
- Beukema, Herman, Holland, Mich. Milk bottle holder. 1,958,781; May 15.
- Beurschgens, Lambertus, assignor, by mesne assignments, to Naamloze Vennootschap "Morpheus", Leyden, Netherlands. Hospital or invalid bed. 1,949,035; Feb. 27.
- Beusch, Willi, Zug, Switzerland, assignor to Landis & Gyr A.-G. Excess demand meter. 1,955,270; Apr. 17.
- Beutel, Morris L. (See Buffalo, Benjamin E., assignor.)
- Bevacqua, Aldo, Milan, Italy. Piston and cylinder assembly. 1,980,741; Nov. 13.
- Beutel, Robert J., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar transfer for enveloping and banding machines. 1,948,553; Feb. 27.
- Beutel, Robert J., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar "cellophanning" machine. 1,964,411; June 26.
- Beutel, Werner. (See Piepenbring, G. A., and Beutel.)
- Bevan, Elmer E. (See Wilhelm, R. D., and Bevan.)
- Beverage, Harold H., Riverhead, assignor to Radio Corporation of America. Device for reducing the effects of static or fading. 1,962,169; June 12.
- Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Aerial system. 1,967,604; July 24.
- Beverly, Clark L., Columbus, Ohio. Oven door. 1,944,061; Jan. 16.
- Bevier, Raymond K., Avalon, Calif. Clock case. Des. 93,646; Oct. 23.
- Bevis, Leonard, Warsaw, Ky. Polish composition. 1,961,031; May 29.
- Bevis Machine Company. (See Bevis, Stanley G., assignor.)
- Bevis, Richard A., McCrory, Ark. Garden implement. 1,966,536; July 17.
- Bevis, Stanley G., assignor to Bevis Machine Company, Middletown, Ohio. Differential drive for rolls. 1,968,278; July 31.
- Bevens, Jacobus J., Toronto, Ontario, Canada. Jig saw puzzle plaque. Des. 93,534; Oct. 9.
- Beyer, Herman. (See Fox, Brenner B., assignor.)
- Beyer, Peter G. G., Copenhagen, Denmark. Cryptographic apparatus. 1,949,140; Feb. 27.
- Beyer Research Laboratories, Inc. (See Beyer, Robert, assignor.)
- Beyer, Robert, Brooklyn, N. Y., assignor to Robert Beyer Corporation. Electric resistance. 1,947,692; Feb. 20.
- Beyer, Robert, Brooklyn, N. Y., assignor to Beyer Research Laboratories, Inc., Dover, Del. Treatment of aluminum. 1,973,040; Sept. 11.
- Beyer, Robert, Brooklyn, assignor to Robert Beyer Corporation, New York, N. Y. Caoutchouc-like material. 1,983,730; Dec. 11.
- Beyer, Robert, Brooklyn, N. Y., assignor to Robert Beyer Corporation. Caoutchouc-like material. 1,983,731; Dec. 11.
- Beyer, Robert, Brooklyn, N. Y., assignor to Robert Beyer Corporation. Caoutchouc-like material. 1,983,732; Dec. 11.
- Beyer, Robert, Brooklyn, N. Y., assignor to Robert Beyer Corporation. Caoutchouc-like material. 1,984,246; Dec. 11.
- Beyer, Robert, Corporation. (See Beyer, Robert, assignor.)
- Beyers, Ernest. (See John, W. E., and Beyers.)
- Beyrodt, Kurt. (See Hamm, K., and Beyrodt.)
- Bhagwat, Madhav R., Brooklyn, assignor to Combustion Utilities Corporation, New York, N. Y. Synthetic resin and its production. 1,948,465; Feb. 20.
- Biach, John L. (See Geer, C. D., and Biach.)
- Biach, John L. (See Stirlen, E. D., and Biach.)
- Biancalana, Eugene, Richmond Hill, N. Y. Refrigerated meat grinder. 1,942,082; Jan. 2.
- Biancalana, Eugene, Brooklyn, N. Y. Refrigerated meat grinder. 1,942,083; Jan. 2.
- Biane, Frank J., Cucamonga, and S. B. Rowe, Upland, Calif. Apparatus for carbonating liquids in receptacles. 1,943,753; Jan. 16.

- Biazzi, Mario F. F., Brigue, Switzerland. Detonator. 1,950,019; Mar. 6.
- Bibee, Jennings W. (See Goodman, Eddie J., assignor.)
- Biberman, Eva G., Philadelphia, Pa. Work basket. 1,983,116; Dec. 4.
- Bibicos, Theodore. (See Poules, Gust, assignor.)
- Bible, Walter E., Denver, Colo., assignor to The Western Battery and Supply Company. Grid pasting machine. 1,949,526; Mar. 6.
- Bibow, Margaretta, Los Angeles, Calif. Hooked rug needle. 1,961,032; May 29.
- Bichelani, Habib M., Bayonne, N. J. Direction signal device for vehicles. 1,958,961; May 15.
- Bichler, Mrs. Dr. E., et al. (See Büchmüller, Alfred, assignor.)
- Bickowsky, Francis R., Washington, D. C., and H. B. Hull, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,957,313; May 1.
- Bickart, Monroe L., Stamford, Conn., assignor to Automatic Lighter Corporation. Honing apparatus and method. 1,962,119; June 12.
- Bickart, Monroe L., Stamford, Conn., assignor to Automatic Lighter Corporation. Honing apparatus. 1,962,120; June 12.
- Bickel, Frederic J., assignor to The Osborn Manufacturing Co., Cleveland, Ohio. Brush. 1,963,044; June 12.
- Bickel, Frederic J., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Apparatus and method for making brushes. 1,963,045; June 12.
- Bickel, Leon R., Upper Darby, Pa. Commode chair. 1,947,373; Feb. 13.
- Bickelhaupt, Adolf, and H. Schlenz, Sillen-Buch-Stuttgart, assignors to Friedrich Breuning, Stuttgart, Germany. Ball and roller bearing. 1,979,663; Nov. 6.
- Bickell, Charles H., trustee. (See Sparks, Stanley W., assignor.)
- Bickerstaff, Robert C., Rochester, assignor to U. S. Plastic Molders Mfg. Corp., Buffalo, N. Y. Automatic hydraulic molding press. 1,954,036; Apr. 10.
- Bickerstaff, William O., Smithville, W. Va. Oil saver. 1,944,395; Jan. 23.
- Bickerstaff, William O., Smithville, W. Va. Pneumatic starter pump for gas engines. 1,963,256; June 19.
- Bickerton, George W., Youngstown, Ohio. Golf meter. 1,967,076; July 17.
- Bickford, Frederick E., Rye, N. Y. Making containers and packaging goods. 1,976,211; Oct. 9.
- Bickford, Walter S. (See Ricker, Chester S., assignor.)
- Bicknese, Fritz. (See Kluge, Fritz W., assignor.)
- Bicknell, Richard S., Red Bank, and F. J. Stevens, Nutley, N. J., assignors to Isolantite, Inc. Electrical plug socket. 1,963,061; June 19.
- Bicks, Jean W., Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. Des. 92,697; July 10.
- Bicks, Jean W., Evanston, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 1,961,033; May 29.
- Biclet, Emile, Paris, France. Anti-water-hammer device for pipe lines under pressure. 1,960,987; May 29.
- Biddinger, George M. (See Hurxthal, A. O., and Biddinger.)
- Biddle, Farrell D., assignor to Pierce Governor Company, Anderson, Ind. Governor device for engines. 1,948,840; Feb. 27.
- Biddle, William C. (See Corbin, Elbert A., jr., assignor.)
- Biddle, William C. (See Corbin, E. A., jr., and Wolf, assignors.)
- Bidot, Emile. (See Laurin, L., and Bidot.)
- Bidwell, Alfred M., Tampa, Fla. Leg setting apparatus. 1,978,618; Oct. 30.
- Bidwell, Howard, Amherst, Mass. Method of and apparatus for heating autoclaves or steam pressure sterilizers. 1,960,890; May 29.
- Bieber, Clarence G. (See Mudge, W. A., and Bieber.)
- Biedermann Bros., Inc. (See Edwards, James M., assignor.)
- Biedermann, Robert, assignor to the firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of tanning substances. 1,972,754; Sept. 4.
- Biedermann, Robert, assignor to the firm J. R. Geigy, S. A., Basel, Switzerland. Preparation of hides or skins for tanning. 1,974,889; Sept. 25.
- Bieger, Alexander. (See Bieger, Ulrich and A.)
- Bieger, Henry W., assignor to Mermod, Jaccard & King Jewelry Company, St. Louis, Mo. Wrist watch protector. 1,961,734; June 5.
- Bieger, Ulrich and A., Stuttgart, Germany. Caster for powdered condiments. 1,965,919; July 10.
- Biehn, Warren, Philadelphia, Pa. Wind turbine. 1,974,008; Sept. 18.
- Bielaski, Frank, Detroit, Mich. Saw table gauge. 1,944,918; Jan. 30.
- Biele, Harry M., Hollis, assignor to The Associated Press, New York, N. Y. Multiple copy rack. 1,965,404; July 3.
- Biefeldt, Raymond W., Thornton, Ill. Fractionating apparatus. 1,948,500; Feb. 27.
- Bielitz, Theodore C., et al. (See Katz, Samuel J., assignor.)
- Biemer, Heinrich, Berlin, Germany. Lock. 1,979,186; Oct. 30.
- Bienenfeld, Jacques, Paris, France. Device for cooling bottles or similar vessels. 1,984,455; Dec. 18.
- Biener, Herman, Brooklyn, N. Y. Razor strop. 1,950,291; Mar. 6.
- Bierbach, Carl F., Brooklyn, N. Y., assignor, by mesne assignments, to Rudolf Wildermann, New York, N. Y. Window shutter. 1,950,218; Mar. 6.
- Bierbaum, Harry E., Long Beach, assignor to General Salt Company, Los Angeles, Calif. Recovering halogens. 1,972,546; Sept. 4.
- Bierer, John M., Waban, and T. M. Knowland, Watertown, assignors to Boston Woven Hose & Rubber Company, Cambridge, Mass. Rubberized belting and making the same. 1,967,142; July 17.
- Biers, Morris, Brooklyn, N. Y. Emblem or similar article. Des. 91,477; Feb. 13.
- Bierwirth, Rudolph A. (See Holst, P. F. G., and Bierwirth.)
- Biescar, Andrew, Los Angeles, Calif. Wire rack. 1,959,454; May 22.
- Bieth, Tom C., Stockholm, Sweden. Separator. 1,953,948; Apr. 10.
- Bieth, Tom C., Alsten, Sweden, assignor to Electroflux Corporation, Dover, Del. Dust separator. 1,946,665; Feb. 13.
- Biewend, Eric C., and W. R. and H. L. Konkle, Albion, Mich. Lathe. 1,955,220; Apr. 17.
- Biffar, Andreas, Miltenberg-on-the-Main, Germany. Centrifugal sieving machine. 1,973,864; Sept. 18.
- Biffi, Egisto, Milan, Italy. Metallic cover for boxes, tins, flasks, and like articles. 1,952,487; Mar. 27.
- Bigelow, Charles C., Buffalo, N. Y. Shadowgraph machine. 1,970,593; Aug. 21.
- Bigelow Company, The. (See Welter, Gustave, assignor.)
- Bigelow, Frank B., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Furnace wall. 1,967,281; July 24.
- Bigelow, George E., Southgate, and A. R. Weis, assignors of one-half to Pacific Pump Works, Huntington Park, Calif. Pressure reducing seal for centrifugal pumps. 1,943,578; Jan. 16.
- Bigelow, Harry K. (See Hansen, N. M., and Bigelow.)
- Bigelow-Liptak Corporation. (See Bigelow, Frank B., assignor.)
- Bigelow-Sanford Carpet Co. (See Beneville, Paul V., assignor.)
- Bigelow-Sanford Carpet Co. (See Benjamin, William J., assignor.)
- Bigelow-Sanford Carpet Co. (See Cooper, Wellesley B., assignor.)
- Bigelow-Sanford Carpet Co. (See Cooper, W. B., and Phoenix, assignors.)
- Bigelow-Sanford Carpet Co. (See Coyle, Joseph A., assignor.)
- Bigelow-Sanford Carpet Co. (See Knowland, R. G., and Cooper, assignors.)
- Bigelow-Sanford Carpet Co. (See Lambo, John D., assignor.)
- Bigelow-Sanford Carpet Co. (See Lehner, Charles, assignor.)
- Bigelow-Sanford Carpet Co. (See Murphy, Francis S., assignor.)
- Bigelow-Sanford Carpet Co. (See Shaw, J. F., and Donnelly, assignors.)
- Bigelow-Sanford Carpet Co. (See Shaw, J. F., Donnelly, and Johnston, assignors.)
- Bigelow-Sanford Carpet Co. Inc. (See Knowland, R. G., and Cooper.)
- Biggane, Walter J. F., Ossining, N. Y. Culinary device. 1,975,919; Oct. 9.
- Bigger, Trafford W., Schenectady, N. Y., assignor to General Electric Company. Conduit. 1,958,260; May 8.
- Biggett, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Chute device for rolling mills. 1,956,636; May 1.
- Biggett, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Circuit control. 1,959,851; May 22.
- Biggett, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill housing and constructing the same. 1,973,425; Sept. 11.
- Biggett, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill. 1,980,570; Nov. 13.
- Biggett, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Feed control for flying shear. 1,981,382; Nov. 20.
- Biggett, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Control system for flying shears. 1,984,051; Dec. 11.
- Biggett, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shear. 1,984,913; Dec. 18.
- Biggett, Florence C., jr., Crafton, and J. A. Smitmans, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Flying cutter. 1,959,852; May 22.
- Biggs, Frank, St. Louis, Mo. Cutter for boiler tubes or flues. 1,949,598; Mar. 6.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,942,589; Jan. 9.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,942,995; Jan. 9.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,948,478; Feb. 20.

- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,950,773; Mar. 13.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,950,774; Mar. 13.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,950,775; Mar. 13.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,950,776; Mar. 13.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,950,777; Mar. 13.
- Biggs, George A., assignor to The James Leffel and Company, Springfield, Ohio. Valve. 1,954,192; Apr. 10.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,954,193; Apr. 10.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,954,194; Apr. 10.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,962,380; June 12.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Vacuum breaker. 1,962,381; June 12.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,962,382; June 12.
- Biggs, George A., assignor to The James Leffel and Company, Springfield, Ohio. Hydraulic turbine. 1,962,383; June 12.
- Biggs, George A., assignor to The James Leffel and Company, Springfield, Ohio. Adjusting hydraulic turbine runners. 1,962,384; June 12.
- Biggs, George A., assignor to The James Leffel and Co., Springfield, Ohio. Hydraulic turbine runner. 1,962,385; June 12.
- Biggs, George A., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine. 1,977,036; Oct. 16.
- Biggs, George T., assignor, by mesne assignments, to J. Backer, St. Paul, Minn. Automatic window shade eyelet machine. 1,954,374; Apr. 10.
- Biggs, Glenn L., Syracuse, N. Y. Mounting for demountable appliances. 1,962,230; June 12.
- Biggs, John L., Chicago, Ill. Mold for food products. 1,950,772; Mar. 13.
- Biggs, Joseph E. (See Coyle, F., and Biggs.)
- Biggs, Orrick H., Beverly, and L. E. Cobb, Marblehead, assignors to Hygrade Sylvania Corporation, Salem, Mass. Spraying apparatus. 1,956,637; May 1.
- Bighouse, Henry H., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Incinerating garbage. 1,974,231; Sept. 18.
- Bigler, Bernhard, deceased, Phillipsburg, N. J.; E. H. Bigler, executrix. Pipe casting apparatus. 1,980,742; Nov. 13.
- Bigler, Esther H., executrix. (See Bigler, Bernhard, assignor.)
- Bigler, Fred J., Chicago, and E. J. Crane, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Brake mechanism. 1,984,515; Dec. 18.
- Big Rock Ranch Company. (See Heise, William H., assignor.)
- Big Rock Ranch Company. (See Myers, W., and Thomas, assignors.)
- Biguet, Jacques, Lyon, France. Three-electrode vacuum tube. 1,947,514; Feb. 20.
- Bihler, Roger, assignor to M. A. Belkoff, College Point, and A. A. Slade, Rye, N. Y. Apparatus for manufacture of powder puffs. 1,947,285; Feb. 13.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Chassis lubricating oil and testing the same. 1,944,164; Jan. 23.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 1,945,512; Feb. 6.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 1,946,478; Feb. 13.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubricating installation. 1,948,501; Feb. 27.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Chassis lubrication. 1,948,502; Feb. 27.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Flow control fitting. 1,948,503; Feb. 27.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 1,950,390; Mar. 13.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Flow control fitting. 1,950,391; Mar. 13.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Flow control fitting. 1,950,392; Mar. 13.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubricating installation and apparatus. 1,955,732; Apr. 24.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Flow control fitting. 1,955,733; Apr. 24.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Conduit installation and elements. 1,957,440; May 8.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Central lubricating system. 1,959,340; May 22.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 1,961,190; June 5.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Central liquid distribution. 1,968,023; July 31.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 1,974,415; Sept. 25.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 1,974,416; Sept. 25.
- Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Lubrication method and installation and the elements thereof. 1,975,920; Oct. 9.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Central lubrication. 1,979,247; Nov. 6.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Chassis lubrication. 1,980,780; Nov. 13.
- Bijur, Joseph, Long Island City, N. Y., assignor to Auto Research Corporation. Lubrication. 1,968,022; July 31.
- Bilde, Tord E. D. (See Engberg, A. O., and Bilde.)
- Bilde, Tord E. D., and S. E. Lindvall, Stockholm, Sweden. Cash register. 1,945,589; Feb. 6.
- Bilde, Tord E. D., and S. G. A. Fagerberg, Stockholm, Sweden. Washing machine. 1,979,062; Oct. 30.
- Bildstein, Sepp, Sindelfingen, near Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Sliding window. 1,974,793; Sept. 25.
- Bilhuber, E., Incorporated. (See Hildebrandt, G., and Klavehn, assignors.)
- Bilhuber, E., Incorporated. (See Klavehn, Wilfrid, assignor.)
- Bilhuber, E., Incorporated. (See Scheuing, G., and Walach, assignors.)
- Bilhuber, Paul H., Douglaston, assignor to Steinway & Sons, New York, N. Y. Piano scale. 1,972,511; Sept. 4.
- Bill, George W., Valparaiso, Ind., assignor to Union Tank Car Company, Chicago, Ill. Wheel handling device. 1,967,605; July 24.
- Bill Motors Company. (See Curtis, Harry E., assignor.)
- Billerbeck, William J. (See Quillen, E. M., and Billerbeck.)
- Billerman, William G., Newark, N. J. Fastening device for percolator tops. 1,975,498; Oct. 2.
- Billig, Fred W. (See Scofield, T. J., Gregoroff, Billig, and Sparks.)
- Billig, Fred W., assignor to The Sparks-Withington Company, Jackson, Mich. Signaling device. Des. 93,265; Sept. 11.
- Billing, Wyly M., and J. S. Tinsley, Kenvil, N. J., assignors to Hercules Powder Company, Wilmington, Del. New composition of matter and producing. 1,973,693; Sept. 18.
- Billings, Edmund, Weston, and H. H. Offutt, Winchester, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of carbon black. 1,957,314; May 1.
- Billings, Robert E., City Island, assignor to Richfield Oil Corporation of New York, New York County, N. Y. Automobile. Des. 93,811; Nov. 13.
- Billner, Karl P., assignor to Aerocrete Corporation of America, New York, N. Y. Floor construction. 1,973,743; Sept. 18.
- Bills, Clarence H., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. Des. 93,152; Aug. 28.
- Bills, Clarence H., assignor to Royal Typewriter Company, Inc., New York, N. Y. Spool cover for typewriting machines. Des. 93,154; Aug. 28.
- Bills, Claud H., Los Angeles, assignor of one-half to C. W. Timmons, Alhambra, Calif. Hole cutter for tank flange pipe couplings. 1,971,701; Aug. 28.
- Billstein, Arthur E. F., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Method and apparatus for testing for internal flaws. 1,958,079; May 8.
- Billstein, Arthur E. F., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Rail testing apparatus. 1,963,931; June 19.
- Bilton, Clarence E., Woodhaven, assignor, by mesne assignments, to Motion Displays Inc., Brooklyn, N. Y. Display device. 1,971,391; Aug. 28.
- Bilt-Rite Baby Carriage Co. (See Drexler, Samuel.)
- Bilty, Charles H., Milwaukee, Wis. Locomotive. 1,975,565; Oct. 2.
- Bilz-Em Toys, Inc. (See Gruenberg, Walter A., assignor.)
- Binapfl, Josef, Crefeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of conversion products of colophony and a product thereof. 1,952,233; Mar. 27.
- Binau, George R., Allerton, Iowa. Corn picker and means for attaching the same to a tractor. 1,943,284; Jan. 16.
- Binckley, George S., Los Angeles, Calif. Pressure relief device. 1,951,897; Mar. 20.
- Binckley, George S., Los Angeles, Calif. Transmission of motion. 1,966,537; July 17.
- Binder, Adolph E., Spokane, Wash. Automobile smoking set. 1,970,073; Aug. 14.
- Binder, Fritz, Kansas City, Mo. Hair waver. 1,982,948; Dec. 4.
- Binder, William O., assignor to The Dow Chemical Company, Midland, Mich. Method and flux for autogenously welding magnesium and its alloys. 1,968,984; Aug. 7.

- Bindley, Robinson, Processes Limited. (See Bindley, William T. R., assignor.)
- Bindley, William T. R., London, assignor to Robinson Bindley Processes Limited, Mitcham, England. Catalytic treatment of organic and inorganic substances. 1,979,187; Oct. 30.
- Bindner, Julius R., and P. A. Cooley, Mattoon, Ill. Shoe last. 1,975,763; Oct. 9.
- Bindschedler, Theodore S., assignor to Burroughs Adding Machine Company, Detroit, Mich. Electric motor. 1,946,468; Feb. 13.
- Binette, Willie H., assignor of thirty-seven and one-half per cent to A. Lessard, and twenty-five per cent to E. Lemelin, Manchester, N. H. Shuttle box for looms. 1,954,063; Apr. 10.
- Bing, Alexander, New York, N. Y. Chair ladder. 1,950,591; Mar. 13.
- Bing & Bing Inc. (See Shaw, John W., assignor.)
- Binger, Delmar M., St. Paul, Minn. Elevator cleaning device. 1,942,590; Jan. 9.
- Bingham, Eugene C. (See Reiner, M., Bingham, and Lohr.)
- Bingham, Frederick C., New York, assignor to Boorum & Pease Company, Brooklyn, N. Y. Loose leaf binder. 1,975,707; Oct. 2.
- Bingham Stamping & Tool Company, The. (See Peters, W. L., Feemster, and Schomburg, assignors.)
- Bingman, Frederick P., Birmingham, assignor to The R. C. Mahon Company, Detroit, Mich. Air cleaner. 1,966,280; July 10.
- Bingman, Frederick P., Birmingham, assignor to The R. C. Mahon Company, Detroit, Mich. Pneumatic conveyor. 1,979,138; Oct. 30.
- Binkert, August. (See Stoll, A., and Binkert.)
- Binkert, August. (See Stoll, A., Binkert, and Kussmaul.)
- Binkley, Martin J., East Orange, N. J., assignor, by mesne assignments, to The Silent Glow Oil Burner Corporation, Hartford, Conn. Rotary fuel burner. 1,960,837; May 29.
- Binkley, Mason C., State Line, Pa. Display stand for eggs. Des. 92,575; June 26.
- Binkley, Uriah M., Evanston, Ill., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive and manufacturing the same. 1,951,233; Mar. 13.
- Binkley, William J. (See Brace, Kemper P., assignor.)
- Binks Manufacturing Company. (See Bramsen, Svend, assignor.)
- Binks Manufacturing Company. (See Bramsen, S., and Wahlin, assignors.)
- Binks Manufacturing Company. (See Wahlin, Fritz, assignor.)
- Binney, Eric A., San Diego, Calif. Vibratory pad. 1,945,675; Feb. 6.
- Binney & Smith Company. (See Sexton, Lee W., assignor.)
- Binnie, David. (See Wheeler, T. S., and Binnie.)
- Binnie, John A., Philadelphia, Pa. Parachute harness. 1,965,570; July 10.
- Binns, Frederick W., Quincy, Mass., assignor to Virginia Smelting Company, Portland, Maine. Treating vegetable tanning agents or composition therefor. 1,968,024; July 31.
- Binns, Frederick W., Quincy, Mass., assignor to Virginia Smelting Company, Portland, Ore. Making chromic salt solutions. 1,933,733; Dec. 11.
- Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,976,110; Oct. 9.
- Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,976,112; Oct. 9.
- Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 1,976,113; Oct. 9.
- Binns, George W., and C. Booth, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 1,976,111; Oct. 9.
- Binns, Henry M. S., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Making cutting tools. 1,964,972; July 3.
- Bins, John G., St. Paul, Minn. Door securer. 1,970,485; Aug. 14.
- Biological Engineering Laboratories. (See Hartman, Frank E., assignor.)
- Birch, Albert, and H. W. Birch, Belmont, and C. W. Birch, Arlington, Mass. Sewing machine. 1,950,913; Mar. 13.
- Birch, Andrew J., Staten Island, N. Y. Ship hull construction. 1,952,156; Mar. 27.
- Birch, Charles E. (See Phelps, A. W., Holmes, Birch, and Smith.)
- Birch, Clifford W. (See Birch, Albert, H. W., and C. W.)
- Birch, Gustaf B., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,968,242; July 31.
- Birch, Harold W. (See Birch, Albert, H. W., and C. W.)
- Birch, William T., Chicago, Ill. Regulator and release valve. 1,946,188; Feb. 6.
- Birch, William T., Chicago, Ill. Regulator and relief valve. 1,956,787; May 1.
- Birch, William T., Chicago, Ill. Relief valve. 1,956,821; May 1.
- Birchall, Charles F., Lancaster, Pa. Device for feathering arrows. 1,945,416; Jan. 30.
- Bircher, John R., Clairton, H. W. Seyler, Elizabeth, and J. H. Wells, Clairton, Pa. Treatment of manufactured gas. 1,963,323; June 19.
- Birch-Field, Charles A., Larchmont, N. Y. Television method and apparatus. 1,958,606; May 15.
- Birch-Hirschfeld, Luise. (See Muench, H., Loewe, and Birch-Hirschfeld.)
- Biru, Charles H., Ansley, near Leicester, England, assignor to General Electric Company. Packing container for various articles. 1,985,075; Dec. 18.
- Bird, Clarence G. (See Archer, H. G., and Bird.)
- Bird, F. M., et al. (See Grayson, Ralph V., assignor.)
- Bird, John C., assignor to John Wyeth & Brother, Incorporated, Philadelphia, Pa. Adsorbent. 1,949,266; Feb. 27.
- Bird, John C., assignor to Union Steam Pump Company, Battle Creek, Mich. Pump. 1,981,025; Nov. 20.
- Bird, John C., Elizabeth, and R. Rosen, Cranford, N. J., assignors to Standard Oil Development Company. Separation and purification of sulphonates with ammonia. 1,963,257; June 19.
- Bird, Len O., Glendale, Calif. Material moving implement. 1,964,617; June 26.
- Bird, Len O., Glendale, Calif., assignor to W. L. Adams, Rexburg, Idaho. Ripper. 1,969,684; Aug. 7.
- Bird, Len O., Glendale, Calif., assignor to W. L. Adams, Rexburg, Idaho. Tractor propelled implement. 1,976,597; Oct. 9.
- Bird, Len O., Glendale, Calif., assignor to W. L. Adams, Rexburg, Idaho. Trail builder. 1,977,817; Oct. 23.
- Bird, Len O., Glendale, Calif., and W. L. Adams, Rexburg, Idaho. Power controls. 1,965,364; July 3.
- Bird, Lester F., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Quartz mercury arc lamp. 1,952,306; Mar. 27.
- Bird Machine Co. (See Dennett, Phillips, assignor.)
- Bird, Lloyd C., Richmond, Va. Constant liquid feed apparatus. 1,970,880; Aug. 21.
- Bird & Son, Inc. (See Graham, J. E., and Lines, assignors.)
- Bird & Son, Inc. (See Jackson, William S., assignor.)
- Bird & Son, Inc. (See Lines, Edwin M., assignor.)
- Bird, Whitworth F., Springfield, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Spinning unit. 1,969,685; Aug. 7.
- Bird, Whitworth F., Springfield, Pa. Making frieze fabrics. 1,985,761; Dec. 25.
- Birdsall, Albert L., assignor to Keeler Brass Company, Grand Rapids, Mich. Handle. 1,977,037; Oct. 16.
- Birdsall, Edward. (See McCarroll, Sidney J., assignor.)
- Birdsboro Steel Foundry and Machine Company. (See Laussacq, Henri P. L., assignor.)
- Birdsboro Steel Foundry & Machine Company. (See Martin, Mark H., assignor.)
- Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Co., Chicago, Ill. Apparatus for forming wall board into bundles. 1,946,056; Feb. 6.
- Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Metal lath. 1,977,260; Oct. 16.
- Birdsey, Charles R., and H. W. Reel, Hinsdale, assignors to United States Gypsum Company, Chicago, Ill. Floor and ceiling construction. 1,947,401; Feb. 13.
- Birdsey, Clarence, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Food product and preparing the same. 1,955,484; Apr. 17.
- Birdsey, Clarence, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Freezing and packaging food products. 1,977,373; Oct. 16.
- Biringer, Herman W., assignor to The Permod Company, Cleveland, Ohio. Permanent mold. 1,981,580; Nov. 20.
- Birkenhauer, Frederick W., Newark, N. J. Pie baking pan. Des. 93,443; Oct. 2.
- Birkenhauer, Frederick W., assignor to Pie Bakeries, Inc., Newark, N. J. Multiple pie baking pan. 1,979,664; Nov. 6.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse switch. 1,962,922; June 12.
- Birkenmaier, Theodore, St. Louis, and L. P. Boll, University City, assignors to W. N. Matthews Corporation, St. Louis, Mo. Clamp. 1,982,281; Nov. 27.
- Birkey, L., & Son. (See App, Andrew J., assignor.)
- Birkland, George, St. Louis, Mo. Bar support for concrete construction. 1,947,445; Feb. 20.
- Birkland, Stellan, San Francisco, Calif., assignor to American Can Company, New York, N. Y. Seaming head. 1,972,862; Sept. 11.
- Birkmeyer, Paul J., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Drag conveyor and belt. 1,973,041; Sept. 11.
- Birmann, Rudolph, Trenton, N. J. Blading for centrifugal impellers or turbines. 1,959,703; May 22.
- Birmingham, Thomas F. (See Gordon, C. W., and Birmingham.)
- Birmingham, Thomas F., Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Preparing pipe ends. 1,952,620; Mar. 27.
- Birnstock, William W., York, Pa., assignor of one-half to H. H. Snelling, Washington, D. C. Crate. 1,949,674; Mar. 6.
- Birr, Rudolph G., Lombard, assignor to Precision Metal Workers, Chicago, Ill. Holder for frozen confections. 1,951,786; Mar. 20.
- Birr, Rudolph G., Lombard, assignor to Precision Metal Workers, Chicago, Ill. Machine for making frozen confections. 1,984,724; Dec. 18.

- Birrer, Alfred, assignor of one-half to A. Westad, Oakland, Calif. Reversible gang plow. 1,945,930; Feb. 6.
- Birch, Fred W., Lexington, Mich., assignor of one-half to H. A. Shaw. Thermostatically controlled heater. Re19,212; June 19.
- Birtley Company Limited, The. (See Bramwell, Ivor L., assignor.)
- Birtley Iron Company Limited, The. (See Holmes, Colin W. H., assignor.)
- Bisaillon, Alexis, Los Angeles, Calif. Collar button. 1,953,919; Apr. 10.
- Bischof, Bernhard, Waldheim-Winterthur, Switzerland. Fuel injection pump for internal combustion engines. 1,944,919; Jan. 30.
- Bischof, Bernhard, Winterthur, Switzerland. Fuel injection device for internal combustion engines. 1,956,706; May 1.
- Bischof, Paul, New York, N. Y. Take-up device for stranded cables. 1,943,809; Jan. 16.
- Bischof, Paul, New York, N. Y. Adjustable automobile brake cable connector. 1,971,366; Aug. 28.
- Bischoff, Heinrich. (See Walther, W., and Bischoff.)
- Bishop & Babcock Manufacturing Company, The. (See Babcock, Henry H., assignor.)
- Bishop & Babcock Manufacturing Company, The. (See Findley, Howard J., assignor.)
- Bishop & Babcock Mfg. Company, The. (See Golob, John E., assignor.)
- Bishop & Babcock Mfg. Co., The. (See Levy, Edward J. (legal change to Edward Levy Mayo), assignor.)
- Bishop & Babcock Manufacturing Company, The. (See Zimmerman, William R., assignor.)
- Bishop-Babcock Sales Company, The. (See Bondurant, Carlton W., assignor.)
- Bishop, Benjamin S. T., Shrewsbury, and P. E. Dow, Leicester, Mass., assignors to Leland-Gifford Company. Hand-operated electric controlled tapping device. 1,970,218; Aug. 14.
- Bishop, Calvin C. (See Farnham, J. P., and Bishop.)
- Bishop, Edmund S., Bronx, N. Y. Air filter. 1,968,436; July 31.
- Bishop, Edward, and W. F. Miller, Oakland, Calif. Sheet metal awning. 1,956,850; May 1.
- Bishop, Edward H., Waverley, near Sydney, New South Wales, Australia. Mold for casting of pipes of cementitious materials. 1,983,117; Dec. 4.
- Bishop, Eva P., et al., executors. (See Perkins, M. A., and Bishop.)
- Bishop, Frederick H., Quincy, assignor to Universal Winding Company, Boston, Mass. Creel. 1,972,642; Sept. 4.
- Bishop, George D., Sanford, Fla. Fruit guard. 1,981,772; Nov. 20.
- Bishop, Howard W., Los Angeles, Calif. Lantern. 1,970,881; Aug. 21.
- Bishop, Joseph W., Muskegon Heights, Mich., assignor to United Research Corporation, Long Island City, N. Y. Phonograph. 1,955,939; Apr. 24.
- Bishop, Joseph W., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Valve control for presses. 1,970,685; Aug. 21.
- Bishop, Norman, and E. R. Garrod, London, England, assignors to Shell Development Company, San Francisco, Calif. Packing tin and like plates and inner containers therefor. 1,965,214; July 3.
- Bishop, Oakley M. (See Perkins, M. A., and Bishop.)
- Bishop, Oakley M., Wilmington, Del., and C. J. Darlington, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1-benzoyl-amino-4-chloro-anthraquinone. 1,963,069; June 19.
- Bishop, Oakley M., Wilmington, Del., and M. A. Perkins, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of indanthrones. 1,975,248; Oct. 2.
- Bishop, Oakley M., Wilmington, Del., and F. W. Johnson, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile printing. 1,979,248; Nov. 6.
- Bishop, William H., Birmingham, England. Body for motor vehicles. 1,981,897; Nov. 27.
- Biskup, Joseph, et al. (See Bulanda, Johann, assignor.)
- Bisley, William F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Motor for self-starting electric clocks. 1,976,981; Oct. 16.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Vehicle accelerated traffic signal. 1,946,435; Feb. 6.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Resynchronizing system for master and secondary controllers. 1,946,436; Feb. 6.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Automatic timing switch for traffic signals. 1,969,293; Aug. 7.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric grounding connector. 1,981,796; Nov. 20.
- Bissell, Marion H., Chicago, Ill. Cleaning and polishing apparatus. 1,979,527; Nov. 6.
- Bissell, Wayne W., New Castle, Pa. Container. 1,965,027; July 3.
- Bissell, Wayne W., New Castle, Pa. Receptacle. 1,965,028; July 3.
- Bissell, Wayne W., New Castle, Pa. Invertible container. 1,982,814; Dec. 4.
- Bissell, William T. (See McNamara, L. C., Conway, Bissell, Harold, and Wicker.)
- Bisset, Libbie, Newark, N. J. Bracket. 1,943,200; Jan. 9.
- Bissett, John W., Garrison, Pa. Musical instrument player. 1,972,038; Aug. 28.
- Bisterfeld, Ernst, Radevormwald, Germany. Hot-molding machine. 1,965,732; July 10.
- Biszantz, Fred, Gallon, assignor to Marion Vault Manufacturing Company, Marion, Ohio. Grave vault. Re19,213; June 19.
- Bizzanz, Fred, assignor to Central Ohio Steel Products Co., Gallon, Ohio. Unlocking means for burial vaults. 1,953,549; Apr. 3.
- Bitler, William P., Nyack, N. Y., assignor to C. P. Byrnes, trustee, Sewickley, Pa. Partial oxidation products. 1,948,161; Feb. 20.
- Bitner, Fred H., Denver, Colo. Sugar bowl cap. Des. 93,864; Nov. 20.
- Bittaker, Charles E., assignor to The General Tire & Rubber Company, Akron, Ohio. Preparing tire casings for vulcanization. 1,942,797; Jan. 9.
- Bitterbaum, Mortimer, New York, N. Y. Renovating machine for building facades. 1,947,286; Feb. 13.
- Bitterich, Fritz, Berlin-Schöneberg, Germany, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Preparing condensation products. 1,971,476; Aug. 28.
- Bittman, Harry U., Newark, N. J. Line gauge for typewriters. 1,942,406; Jan. 9.
- Bittman, Jesse C. (See McIlwried, E. J., and Bittman.)
- Bittnner, Charles C., Chicago, Ill. Aeroplane. 1,945,254; Jan. 30.
- Bittnner, John, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,978,666; Oct. 30.
- Bittnner, Walter T. et al. (See Coates, C. E., and Clark.)
- Bittoff, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Ball-bearing hinge. 1,958,465; May 15.
- Bittoff, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Latch structure. 1,964,556; June 26.
- Bittoff, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Roller structure. 1,974,147; Sept. 18.
- Biva, Lucien, Brooklyn, assignor to E. F. Timme & Son, New York, N. Y. Rug. Des. 91,346; Jan. 16.
- Bivens, Maurice E., Scotia, N. Y., assignor to General Electric Company. Control system. 1,969,498; Aug. 7.
- Bixby, Walter. (See Hathaway, E. F., and Bixby.)
- Bixby, Walter, Boston, Mass. Yarn spool. 1,942,680; Jan. 9.
- Bixby, Walter, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool for tube frames. 1,962,086; June 5.
- Bixler, Alvin P., assignor to Advance Engineering Corporation, Duncannon, Pa. Alloy. 1,946,609; Feb. 13.
- Bixler, Alvin P., assignor to Advance Engineering Corporation, Duncannon, Pa. Metal coating or filling. 1,960,838; May 29.
- Bixler, Willard R., Kenton, Ohio. Toy cap pistol. 1,955,900; Apr. 24.
- Bizzarri, Anthony, New York, N. Y. Lift-hand truck. 1,942,272; Jan. 2.
- Bizzarri, Anthony, New York, N. Y. Hydraulic clutch. 1,955,705; Apr. 17.
- Bizzarri, Anthony, New York, N. Y. Control for hydraulic grease dispensers. 1,969,254; Aug. 7.
- Bizzarri, Anthony, New York, N. Y. Pneumatic suspension means. 1,974,171; Sept. 18.
- Bizzell, Carey K. (See Bizzell, James E. and C. K.)
- Bizzell, James E., Newark, and C. K. Bizzell, Elizabeth, N. J. Preserving the natural flavor and desired moisture content in Brazil nuts. 1,955,734; Apr. 24.
- Bizzell, James E., Newark, and C. K. Bizzell, Elizabeth, N. J. Preparation of Brazil nuts for shelling. 1,985,235; Dec. 25.
- Bjarnov, Fred. (See Damm, S. F., and Bjarnov.)
- Bjerregaard, August P., Okmulgee, Okla., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Gasoline product and refining. 1,949,896; Mar. 6.
- Bjorkholm, John E., Milwaukee, Wis., and G. Blyberg, Minneapolis, Minn. Automatic locomotive lubricator. 1,963,189; June 19.
- Björklund, Alrik, Gottenborg, Sweden. Arrangement for tapping steam directly from double-acting reciprocating steam engines. 1,962,549; June 12.
- Björklund, William A., Hoppeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Cesspool cleaner. 1,961,412; June 5.
- Björkman, Per O. (See Ivanoff, L., and Björkman.)
- Björkstedt, William G. (See Rossa, Peter A., assignor.)
- Bjorndal, Magnus, Jersey City, assignor to Hardwick, Hindle, Inc., Newark, N. J. Terminal for resistors. 1,971,809; Aug. 28.
- Bjornson, Bjorn G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice-operated circuits. 1,952,578; Mar. 27.
- Bjornson, Bjorn G., Brooklyn, assignor to Bell Laboratories, Incorporated, New York, N. Y. Gas-filled tube circuit. 1,982,782; Dec. 4.
- Björnson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 1,959,405; May 22.
- Bjornson, Bjorn G., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling systems. 1,972,286; Sept. 4.

- Bjornson, Bjorn G., Brooklyn, N. Y., and D. Mitchell, Martinsville, N. J.; said Mitchell assignor to American Telephone and Telegraph Company, and said Bjornson assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in signaling systems. 1,943,104; Jan. 9.
- Bjurgstrom, John E., St. Paul, Minn. Hot air respirator. 1,982,412; Nov. 27.
- Black, Archie, New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Refinement of vitamin-containing unsaponifiable matter of oils. 1,983,654; Dec. 11.
- Black Clawson Company, The. (See Crawford, Cliff R., assignor.)
- Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
- Black, Crayton K. (See Dahlen, M. A., Black, and Foohey.)
- Black, Crayton K. (See Smith, F. H., and Black.)
- Black and Decker Manufacturing Company, The. (See Baker, James N., assignor.)
- Black & Decker Manufacturing Company, The. (See Barker, Percy E., assignor.)
- Black & Decker Manufacturing Company, The. (See Connell, Edwin L., assignor.)
- Black & Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
- Black & Decker Manufacturing Company, The. (See Fleming, Jared B., assignor.)
- Black & Decker Manufacturing Company, The. (See Fleming, J. B., and Preston, assignors.)
- Black & Decker Manufacturing Company, The. (See Preston, Henry C., assignor.)
- Black & Decker Manufacturing Company. (See Ramey, Blaine B., assignor.)
- Black & Decker Manufacturing Company, The. (See Ramey, B. B., and Sessions, assignors.)
- Black Diamond Steamship Corporation. (See Hanlon, Michael J., assignor.)
- Black, Edward R., assignor to Black Systems, Inc., Chicago, Ill. Building covering. 1,959,519; May 22.
- Black, Eva, Hayward, Calif., assignor to Radio Corporation of America. Phonograph record. 1,952,054; Mar. 27.
- Black, George E., Sewickley, assignor to H. H. Robertson Company, Pittsburgh, Pa. Corrugated sheet. 1,982,243; Nov. 27.
- Black, Harold S., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeated transmission system. 1,956,547; May 1.
- Black, Harold S., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier line system. 1,983,528; Dec. 11.
- Black, Harry L., Toronto, Ontario, Canada. Locking system for automobile ignition and starting systems. 1,974,944; Sept. 25.
- Black, Herman, Cleveland, Ohio. Hydrocarbon burner. 1,974,702; Sept. 25.
- Black, Horace D., Uxbridge, England. Air brake for aircraft. 1,945,214; Jan. 30.
- Black, Horace D., assignor to Bell Punch Company Limited, Uxbridge, England. Rotary printing press. 1,970,356; Aug. 14.
- Black, James J. (See Jones, R. B., and Black.)
- Black, John C., Beverly Hills, Calif. Processing hydrocarbon oils. 1,945,508; Feb. 6.
- Black, John C., Beverly Hills, Calif. Hydrocarbon cracking reaction chamber. 1,975,071; Oct. 2.
- Black, John C., Los Angeles, Calif., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Digester for cracking hydrocarbon oils. Re19,237; July 17.
- Black, John C., Los Angeles, Calif., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Producing low boiling point hydrocarbons. 1,970,553; Aug. 21.
- Black, John C., Destrehan, La., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for producing low boiling point hydrocarbons from high boiling point hydrocarbons. 1,971,248; Aug. 21.
- Black, John C., Los Angeles, and W. D. Rial, Watson, assignors, by mesne assignments, to E. W. Gard, Palos Verdes Estates, Calif. Manufacture of asphaltic products. 1,953,333; Apr. 3.
- Black, John E. (See Jacobus, D. S., and Black.)
- Black, John E. (See Lucke, C. E., and Black.)
- Black, John E., Rumson, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Steam boiler. 1,946,666; Feb. 13.
- Black, Joseph B. (See Sessions, L. R., and Black.)
- Black, Knox C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 1,952,579; Mar. 27.
- Black, Knox C., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube. 1,954,195; Apr. 10.
- Black, Knox C., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube detector. 1,981,342; Nov. 20.
- Black, Lee J., Beaumont, Tex. Air conditioner. 1,941,734; Jan. 2.
- Black, Lee J., Beaumont, Tex. Hydraulic brake and cooling means for hoisting drums. 1,956,188; Apr. 24.
- Black, Lee J., Beaumont, Tex. Rotary well drilling apparatus. 1,967,111; July 17.
- Black, Leroy G., assignor to American Potash & Chemical Corporation, Trona, Calif. Producing crystalline anhydrous borax. 1,964,902; July 3.
- Black, Lionel, Brookline, Mass. Auxiliary film roll magazine for cameras. 1,944,312; Jan. 23.
- Black, Lloyd V., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for case hardening glass. 1,970,730; Aug. 21.
- Black, Lloyd V., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Safety glass. 1,976,915; Oct. 16.
- Black, Norman L., Andover, Kans. Stuffing box. 1,976,916; Oct. 16.
- Black, Otto E., assignor to The Dayton Air Compressor Company, Dayton, Ohio. Vacuum controlled unloading valve. 1,968,985; Aug. 7.
- Black Systems, Inc. (See Black, Edward R., assignor.)
- Black, Theodore, and J. Drew, assignors to The Molaska Corporation, Cleveland, Ohio. Manufacture of powdered molasses. 1,983,434; Dec. 4.
- Black, Walter. (See Colman, Harry, assignor.)
- Black, William, Los Angeles, Calif. Breathing device. 1,946,126; Feb. 6.
- Black, William A., Toronto, Ontario, Canada. Valve lubricating device for combustion engines. 1,983,066; Dec. 4.
- Black, William A., Montclair, N. J., assignor to Fairchild Aerial Camera Corporation, Woodside, Long Island, N. Y. Camera mount. 1,942,161; Jan. 2.
- Black, William A., Montclair, N. J., assignor to Fairchild Aerial Camera Corporation, Woodside, N. Y. Camera. 1,974,842; Sept. 25.
- Black, William C., assignor of one-half to C. G. Wilson, Denver, Colo. Embalming preparation. 1,942,407; Jan. 9.
- Black, William H., New York, N. Y. Safety razor. 1,981,773; Nov. 20.
- Black, Willy. (See Kruckenber, F., Stedefeld, and Black.)
- Blackadder, Thomas, St. Davids, assignor to Röhm & Haas Company, Philadelphia, Pa. Retanning of chrome leather. 1,945,461; Jan. 30.
- Blackadder, Thomas, St. Davids, assignor to Röhm & Haas Company, Philadelphia, Pa. Chrome tanning of leather. 1,985,439; Dec. 25.
- Blackburn, Bryan M., assignor to R. D. Cole Manufacturing Co., Newnan, Ga. Elevated storage tank. Des. 91,508; Feb. 20.
- Blackburn, Bryan M., assignor to R. D. Cole Manufacturing Co., Newnan, Ga. Elevated tank. 1,947,515; Feb. 20.
- Blackburn, Daniel M., assignor to Hendrick Manufacturing Company, Carbondale, Pa. Shaking screen. 1,979,791; Nov. 6.
- Blackburn, Henry, Hull, Quebec, Canada. Furnace. 1,979,139; Oct. 30.
- Blackburn, Jasper, Webster Groves, Mo. Take-up connector for anchor rods and guy wires. 1,946,830; Feb. 13.
- Blackburn, Jasper, Webster Groves, Mo. Frictional wire connector. 1,950,964; Mar. 13.
- Blackburn, Jasper, Webster Groves, Mo. Rail guard. 1,950,965; Mar. 13.
- Blackburn, Jasper, Webster Groves, Mo. Earth anchor. 1,955,449; Apr. 17.
- Blackburn, Jasper, Webster Groves, Mo. Connecting clamp or splicer for cables. 1,955,450; Apr. 17.
- Blackburn, Jasper, Webster Groves, Mo. Frictional wire connector. 1,964,448; June 26.
- Blackburn, Jasper, Webster Groves, Mo. Clamp or lock for connecting a guy wire and guard. 1,965,822; July 10.
- Blackburn, Jasper, Webster Groves, Mo. Ground anchor. 1,967,391; July 24.
- Blackburn, Jasper, Webster Groves, Mo. Lock or clamp for guy wire guards. 1,971,477; Aug. 28.
- Blackburn, Jasper, and J. A. Weaver, jr., Webster Groves, Mo. Wire connector. 1,981,685; Nov. 20.
- Blackburn, Oliver P., East Bakersfield, Calif. Peach. Pl. Pt. 86; Feb. 6.
- Blackburn, Reginald. (See Pocock, L. C., Neilson, and Blackburn.)
- Blackford, William H., Detroit, Mich. Casket. Des. 93,603; Oct. 16.
- Blackhall, John R., Highland Park, and H. Cordell, Wilmette, Ill.; said Cordell assignor to said Blackhall. Car washer. 1,968,986; Aug. 7.
- Blackhawk Mfg. Co. (See Mandl, Sigmund, assignor.)
- Blackhawk Mfg. Co. (See Mandl, S., and Pfaufer, assignors.)
- Blackhawk Manufacturing Company. (See Pfaufer, Edward M., assignor.)
- Blackman, John W. B., Long Beach, assignor to Pan Pacific Piling and Construction Company, Los Angeles, Calif. Protected concrete structure. 1,953,920; Apr. 10.
- Blackman, Roy C., Cleveland, Ohio. Apparatus for manufacturing concrete building blocks. 1,984,564; Dec. 18.
- Blackmer, Waldo H., New York, N. Y., and E. L. Young, Woodcliff, N. J., assignors to Laminated Shim Co., Inc., Long Island City, N. Y. Shim. 1,955,714; Apr. 17.
- Blackmon, William H., Tampico, Mexico. Torque indicator. 1,976,277; Oct. 9.
- Blackmore, Charles C., Oakwood, Ohio. Toy vehicle. Des. 91,980; Apr. 17.
- Blackmore, Charles C., Oakwood, Ohio. Toy vehicle. Des. 92,386; June 5.

- Blackmore, James S., Edgewood, assignor to Automatic Gas-Steam Radiator Company, Pittsburgh, Pa. Gas consuming device. 1,946,729; Feb. 13.
- Blackmore, William, Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Fastener for guard fences. 1,949,897; Mar. 6.
- Blackmore, William, Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Roller bearing journal box. 1,966,606; July 17.
- Blackmore, William, Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Roller bearing journal box. 1,976,322; Oct. 9.
- Black Rock Manufacturing Company, The. (See Barnes, Leslie W., assignor.)
- Black Rock Manufacturing Company, The. (See St. John, Stuart B., assignor.)
- Blackstock, Gibbs, Toronto, Ontario, Canada. Reversible freewheel clutch transmission. 1,942,197; Jan. 2.
- Blackstock, Gibbs, Toronto, Ontario, Canada. Automatic roller clutch transmission. 1,942,198; Jan. 2.
- Blackstock, Gibbs, Toronto, Ontario, Canada. Semiautomatic roller clutch transmission. 1,947,374; Feb. 13.
- Blackstone, Alex, New York, N. Y. Proprietary medicine bar. Des. 91,644; Mar. 6.
- Bläckström, Sigurd M., and G. G. Lenner, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,960,802; May 29.
- Blackwell, Edwin G., Worcester, England. Charging of coal, coke, and other solid materials into storage chambers and the like. 1,982,413; Nov. 27.
- Blackwell, Evaline, Los Angeles, Calif. Window shade repair means. 1,945,106; Jan. 30.
- Blackwell, Fred, et al. (See Bennett, Moses E., assignor.)
- Blackwell, Stephen R., East St. Louis, Ill. Puddling machine. 1,970,486; Aug. 14.
- Blackwood, Arthur J., Coolemees, and C. R. Harris, Durham, N. C. Extension drive for breaker-lapper. 1,982,414; Nov. 27.
- Blackwood, John. (See Lawless, C. N., and Blackwood.)
- Blackwood, Lloyd W., Spokane, Wash. Resilient wheel. 1,942,018; Jan. 2.
- Blackwood, Oswald H., Pittsburgh, Pa. Brake-meter and accelerometer. 1,975,824; Oct. 9.
- Blackwood, Oswald H., and P. G. Exline, Pittsburgh, Pa., assignors to The Koppers Company of Delaware. Apparatus for manufacturing water gas. 1,953,061; Apr. 3.
- Blaue, Axel, Racine, Wis. Adjustable template for jamps and frames. 1,946,961; Feb. 13.
- Blagden, John W., Loughton, and W. E. Huggett, East Ham, London, England. Manufacture of phosphoric acid reaction compounds from terpene alcohols and hydroaromatic alcohols. 1,959,228; May 15.
- Blagden, John W., Loughton, and W. E. Huggett, Romford, England, assignors of one-third to Howards & Sons Limited. Isolation of piperitone. 1,960,134; May 22.
- Blagden, John W., Loughton, and W. E. Huggett, London, assignors of one-third to Howards & Sons Limited, Iford, England. Isolating or purifying terpene alcohols and hydroaromatic alcohols. 1,980,030; Nov. 6.
- Blaho, Rudolph, assignor to The Byrne Manufacturing Company, Cleveland, Ohio. Machine for and process of fabricating container walls and accessories thereon. 1,948,488; Feb. 27.
- Blaho, Rudolph, assignor to The Byrne Manufacturing Company, Cleveland, Ohio. Machine for and process of fabricating container walls and accessories thereon. 1,948,490; Feb. 27.
- Blaine, Joseph R., Oak Park, assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet delivery mechanism. 1,975,764; Oct. 9.
- Blair, Edwin P., Paoli, Pa. Elastic retaining band. 1,960,690; May 29.
- Blair, Frank P., assignor to E. F. Stern and M. W. Grigsby, Chicago, Ill. Dishwashing device. 1,973,327; Sept. 11.
- Blair, George, London, England. Appliance for use in the waving of hair. 1,959,997; May 22.
- Blair, George W. (See Futter, C. J., and Blair.)
- Blair, John T., and J. E., Tulsa, Okla. Concrete form. 1,980,372; Nov. 13.
- Blair, Joseph E. (See Blair, John T. and J. E.)
- Blair, Mark L., assignor to A C Spark Plug Company, Flint, Mich. Ventilating apparatus for dynamo-electric machines. 1,963,898; June 19.
- Blair, Robert S., Stamford, Conn. Construction for internal combustion engines. Re19,131; Apr. 3.
- Blair, Robert S., Stamford, Conn. Pipe construction. 1,976,004; Oct. 9.
- Blair, William H., Janesville, Wis. Braking or anti-skidding device for automotive vehicles. 1,949,071; Feb. 27.
- Blais, Joseph A. L., and H. P. Hamelin, Three Rivers, Quebec, Canada. Fourdrinier paper machine. 1,959,520; May 22.
- Blaisdell, Alice B. (See Blaisdell, Hiram W., assignor.)
- Blaisdell, Hiram W., assignor to A. B. Blaisdell, Philadelphia, Pa. Apparatus for removing sludge. 1,953,100; Apr. 3.
- Blaisdell, Sidney B., Wyncote, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Laminated article. 1,972,755; Sept. 4.
- Blaisdell, Sidney B., Wyncote, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Laminated article. 1,972,756; Sept. 4.
- Blaise, Léon M., Paris, France. Perfume diffuser. 1,944,821; Jan. 23.
- Blake, Bessie M., Amarillo, Tex. Hair waving implement. 1,975,189; Oct. 2.
- Blake, Charles A. (See Creasy, A. E., and Blake.)
- Blake, Charles C., Kittery, Maine. Pipe. Des. 91,645; Mar. 6.
- Blake, Charles C., Kittery, Maine, assignor to H. L. Sampson, trustee. Safety razor. 1,960,406; May 29.
- Blake, David K., Niskayuna, N. Y., assignor to General Electric Company. Control system. Re19,220; June 26.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. Electrical protective system. 1,969,541; Aug. 7.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. Electrical distribution system. 1,969,543; Aug. 7.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. Electrical distribution system. 1,971,810; Aug. 28.
- Blake, David K., Schenectady, N. Y., assignor to General Electric Company. Electrical distribution system. 1,969,542; Aug. 7.
- Blake, Edmund E. (See Tarr, R. D., and Blake.)
- Blake Electric Mfg. Company. (See Quinby, George B., assignor.)
- Blake, Foster B., Mountain View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,952,835; Mar. 27.
- Blake, Frederick C., Altadena, Calif. Surface heater. 1,956,604; May 1.
- Blake, Harold D., Cleveland Heights, Ohio, assignor to General Electric Company. Ignition controlling device for photographic flash light lamps. 1,968,597; July 31.
- Blake, Joseph, Munday, Tex. Farm gate. 1,973,280; Sept. 11.
- Blake, Kenneth R., assignor of one-fourth to B. D. Emanuel, Anderson, Ind. Automatic starter for internal combustion engines. 1,948,198; Feb. 20.
- Blake, Kenneth R., assignor of one-fourth to B. D. Emanuel, Anderson, Ind. Automatic starter for motor vehicles. 1,967,657; July 24.
- Blake Manufacturing Corporation. (See Officer, W. J., and Seaver, assignors.)
- Blake, Maurice A., assignor to New Jersey State Agricultural Experiment Station, New Brunswick, N. J. Nectarine. Pl. Pt. 92; Apr. 3.
- Blake, Sherman J., Conneaut, Ohio. Surface skimmer. 1,951,081; Mar. 13.
- Blake, Sidney G., Manchester, England, assignor to The Carborundum Company, Niagara Falls, N. Y. Sharpening stone. Des. 91,979; Apr. 17.
- Blake-Smith, L. (See Robinson, Charles J., assignor.)
- Blake-Smith, L. (See Van Loenen, William F., assignor.)
- Blake, William G., Savannah, Ga. Storage battery receptacle. 1,980,902; Nov. 13.
- Blake, William G., Savannah, Ga. Storage battery element. 1,980,903; Nov. 13.
- Blakeley, Charles, et al. (See Haynes, James F., assignor.)
- Blakely, Richard M., Hamilton, Ohio. Transmission. 1,950,914; Mar. 13.
- Blakeman, Frederick T., Mount Kisco, assignor to The Spencerian Pen Company, New York, N. Y. Fountain pen or pencil clip. Des. 93,444; Oct. 2.
- Blakemore, T. (See Robinson, Eugene O., assignor.)
- Blakeslee, Edward L. (See Perry, K. A., and Blakeslee.)
- Blakeslee, G. S., & Co. (See Antist, George F., assignor.)
- Blakeslee, G. S., & Co. (See Kakora, Charles, assignor.)
- Blakeslee, Henry J., Marlboro, assignor to The States Company, Hartford, Conn. Fire alarm. 1,949,856; Mar. 6.
- Blakeslee, Jerome K., assignor to American Steel Foundries, Chicago, Ill. Brake head. 1,942,743; Jan. 9.
- Blakeslee, Samuel W. (See Adams, Ervin, assignor.)
- Blakeslee, Walter H., Watertown, N. Y. Ventilator. 1,978,399; Oct. 30.
- Blakesley, George R., Joplin, Mo. Heating element assembly. 1,956,267; Apr. 24.
- Blaklee, Samuel W. (See Adams, E., and Blaklee.)
- Blamberg, Ernst, assignor to Hartmann & Braun Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Reversible induction motor. 1,970,162; Aug. 14.
- Blamire, Reginald C. E. (See Thomas, A., and Blamey.)
- Blamire, Reginald, Kingston, Pa., assignor to American Cable Company, Inc. Adjustable preforming head. 1,945,799; Feb. 6.
- Blanc, Adolph I., Chicago, Ill. Microphone casing. 1,954,515; Apr. 10.
- Blanc, André, Salaise-sur-Sanne, France. Percussion detonating composition. 1,975,679; Oct. 2.
- Blancard, Jean R. G. J., Meulan, and C. T. F. E. Bourgonnier, Paris, France, assignors to American Lath Corporation. Process and apparatus for measuring the phase difference of electric currents. 1,968,068; July 31.
- Blanchard, Alva G., Shreveport, La. Automatic fuel control for boilers. 1,972,757; Sept. 4.
- Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,955,870; Apr. 24.
- Blanchard, Frederick C., Boston, Mass. Lubricating system. 1,953,824; Apr. 3.
- Blanchard, Frederick C., assignor to Rivett Lathe & Grinder Corporation, Boston, Mass. Lathe driving mechanism. 1,956,522; Apr. 24.

- Blanchard, Frederick W., assignor to T. McAvity & Sons Limited, Montreal, Quebec, Canada. Light projecting lamp for locomotive cabs. 1,947,377; Feb. 13.
- Blanchard, Hermon A., assignor of thirty per cent to H. D. and G. T. Chisholm, Amherst, N. H. Automobile curtain operator. 1,977,844; Oct. 23.
- Blanchard, Raymond H. (See Heintz, S., and Blanchard.)
- Blanchard, Robert, London County, England. Capsule for stopping bottles and the like. 1,982,567; Nov. 27.
- Blanchard, Robert L., assignor to Van Kannel Revolving Door Company, New York, N. Y. Speed-controlled device. 1,951,921; Mar. 20.
- Blanchard, Robert L., assignor to Van Kannel Revolving Door Company, New York, N. Y. Independent wing locking device for revolving doors. 1,963,881; June 19.
- Blanchard, Robert L., assignor to Van Kannel Revolving Door Company, New York, N. Y. Semicollapsible revolving door structure. 1,965,449; July 3.
- Blanchard, Werner J., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Variable pitch propeller. 1,951,320; Mar. 13.
- Blanchard, Werner J., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Blade retention device. 1,951,321; Mar. 13.
- Blanchard, Werner J., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Indicator. 1,958,261; May 8.
- Blanchet, Adias E. (See White, G. W. B., and Blanchet.)
- Blankenburg, Emil, San Francisco, Calif., assignor to Petroleum Conversion Corporation, New York, N. Y. Heating system. 1,977,617; Oct. 23.
- Bland, Reginald, Pasadena, Calif. Automatic power-transmission synchronizer. 1,985,762; Dec. 25.
- Bland, William L., Toronto, Ontario, Canada. License plate. 1,985,227; Dec. 25.
- Blanding, Joseph E., New London, assignor of one-half to P. B. McNamara, Groton, Conn. Oil fuel feed device. 1,980,743; Nov. 13.
- Blank, Alton J., Puebla, Mexico, assignor to Cement Process Corporation. Manufacturing cementitious materials. 1,953,924; Apr. 10.
- Blank, Henry, North Bergen, N. J. Dispenser for mustard and the like. 1,950,160; Mar. 6.
- Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamo-electric machine. 1,979,665; Nov. 6.
- Blankenburg, Charles A. (See Thornton, R. F., and Blankenburg.)
- Blankenship, John R., Detroit, Mich. Cigarette holder. 1,941,531; Jan. 2.
- Blase, Harry H., Wilkes-Barre, Pa. Eye glasses or spectacles. 1,965,277; July 3.
- Blashfield, Floyd A., assignor to Scanlan-Morris Company, Madison, Wis. Gas humidifying device. 1,974,843; Sept. 25.
- Blashfield, Floyd A., and G. F. Linde, assignors to Scanlan-Morris Company, Madison, Wis. Instrument sterilizer. 1,963,543; June 19.
- Blaskewitz, William, and C. B. Overly, assignors to Clayton & Lambert Manufacturing Company, Detroit, Mich. Quick generating torch. 1,946,383; Feb. 6.
- Blatter, Titus, & Company. (See Frati, Alfred, assignor.)
- Blattner, August H., St. Louis County, assignor to Carter Carburetor Corporation, St. Louis, Mo. Shaft and lever. 1,950,383; Mar. 13.
- Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,965,405; July 3.
- Blatz, Peter A., Westover Hills, Del. Parti-colored leather. 1,985,236; Dec. 25.
- Blatz, Peter A., Westover Hills, Del. Printed leather. 1,985,675; Dec. 25.
- Blau, Henry H., assignor to Macbeth-Evans Glass Company, Charleroi, Pa. Controlling the composition of glass. 1,955,451; Apr. 17.
- Blau, Ludwig W., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company. Measuring instrument. 1,960,891; May 29.
- Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. String galvanometer. 1,966,112; July 10.
- Blaw-Knox Company. (See Harrington, Edward I., assignor.)
- Blaw-Knox Company. (See McCrery, Harold E., assignor.)
- Blaw-Knox Company. (See McDonnell, Edward J., assignor.)
- Blaw-Knox Company. (See Saylor, John E. D., assignor.)
- Blaw-Knox Company. (See Venable, William M., assignor.)
- Blaylock, Arthur G., Cleveland, Ohio. Indicating device. 1,949,141; Feb. 27.
- Blaylock, Raymond C. (See Carleton, R. D., and Blaylock.)
- Blazek, John Y., Cleveland, assignor to Lemppo Products, Inc., Bedford, Ohio. Lathe attachment. 1,947,378; Feb. 13.
- Blazek, John Y., Maple Heights, and R. G. Anderson, Cleveland, assignors to Lemppo Products, Inc., Bedford, Ohio. Parts moving means. 1,945,476; Jan. 30.
- Blazek, John Y., and R. G. Anderson, Cleveland, assignors to Lemppo Products, Inc., Bedford, Ohio. Press. 1,977,423; Oct. 16.
- Blazek, John Y., Maple Heights, and R. G. Anderson, Cleveland, assignors to Lemppo Products, Inc., Bedford, Ohio. Machine for detecting and correcting errors in articles. 1,984,627; Dec. 18.
- Blechman, Irving, New York, N. Y. Clothing container. Re19,120; Mar. 27.
- Blechman, Irving, New York, N. Y. Clothing container. 1,958,230; May 8.
- Bleischmidt, Günter, assignor of one-half to J. Grunwald, Berlin, Germany. Electromotor enclosed in a waterproof casing. 1,962,267; June 12.
- Bleecker, Charles M. (See Wahnish, George, assignor.)
- Bleibler, Ernest, Winterthur, Switzerland, assignor to Sylvia Industrial Corporation, Fredericksburg, Va. Drying apparatus. 1,985,219; Dec. 18.
- Bleibler, Ernst, Winterthur, Switzerland, assignor to Sylvia Industrial Corporation, Fredericksburg, Va. Apparatus for drying cellulose films and the like. 1,973,245; Sept. 11.
- Bleibler, Ernst, Winterthur, Switzerland, assignor to Sylvia Industrial Corporation, Fredericksburg, Va. Method and apparatus for drying foils, films, strips, sheets, ribbons, webs, preferably of cellulose. 1,975,708; Oct. 2.
- Bleibtreu, Herman, and A. J. Ebner, assignors to Freyn Engineering Company, Chicago, Ill. Moisture and dust eliminator for gas washers. 1,950,020; Mar. 6.
- Bleibtreu, Herman, Darmstadt, Germany, and J. B. Eberlein, assignors to Freyn Engineering Company, Chicago, Ill. Flue gas cleaning apparatus. 1,961,956; June 5.
- Bleier, Saul, New York, N. Y. Overall. Des. 92,576; June 26.
- Bleitz, Jacob J., Seattle, Wash. Cremation furnace. 1,972,073; Sept. 4.
- Blennerhassett, Lawrence I., San Marino, assignor to C. F. Braun & Co., Inc., Alhambra, Calif. Heat exchanger construction. 1,962,170; June 12.
- Bleser, Joseph F., Springfield, Ill. Antifriction device. 1,973,555; Sept. 11.
- Blessin, Siegfried E. (See Conway, T. G., Blessin, and Schunk.)
- Blessin, Siegfried E., Verona, assignor to National Lock Washer Company, Newark, N. J. Edge spring for window sashes. 1,976,767; Oct. 16.
- Blessin, Siegfried E., Verona, assignor to National Lock Washer Company, Newark, N. J. Bus or car window construction. 1,976,766; Oct. 16.
- Blettner, George H., assignor to Renette Company, Chicago, Ill. Piston. 1,980,658; Nov. 13.
- Blevins, Herman G., Sewickley, Pa., assignor to Republic Steel Corporation. Method and apparatus for electrically welding pipe. 1,982,415; Nov. 27.
- Blewett, John, assignor to The Murray Company, Dallas, Tex. Machine for cleaning seed cotton and for extracting the seed cotton from burs and hulls. 1,976,382; Oct. 9.
- Bley, Kurt, Magdeburg, Germany. Device for sharpening reamers. 1,953,212; Apr. 3.
- Bley, Kurt, Magdeburg, Germany. Device for inserting the piston pin in the piston and piston rod. 1,955,048; Apr. 17.
- Bley, Rudolph S., Washington, D. C. Pharmaceutical preparation. 1,943,467; Jan. 16.
- Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Viscose spinning solution. 1,981,643; Nov. 20.
- Bleyer, Lloyd G., assignor to Chain Belt Company, Milwaukee, Wis. Endless traveling water screen. 1,963,460; June 19.
- Blicke, Frederick F., assignor to Regents of the University of Michigan, Ann Arbor, Mich. Substituted alkylphenols and producing the same. 1,980,966; Nov. 13.
- Blickman, Saul, New York, N. Y. Drain fitting for sinks and the like. 1,964,423; June 26.
- Blickman, Saul, New York, N. Y. Sink and similar structure and method of constructing the same. 1,974,794; Sept. 25.
- Blinn, Glenn E., New York, N. Y., assignor to H. S. Walker, Ardmore, Pa. Polarized duplex receptacle. 1,954,375; Apr. 10.
- Blinn, Harry M., Baltimore, and H. T. Hunter, Catonsville, Md., assignors to Doughnut Machine Corporation, New York, N. Y. Fluid flow control. 1,942,132; Jan. 2.
- Blish, Morris J., Lincoln, Neb., assignor to General Mills, Inc., Minneapolis, Minn. Treatment of grain products. 1,957,688; May 8.
- Blish, Russell A., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Drink mixer. 1,961,657; June 5.
- Bliss, Carl G., assignor to Standard Boiler and Steel Works, Los Angeles, Calif. Control and timing apparatus. 1,945,800; Feb. 6.
- Bliss, E. W., Company. (See Krueger, Frank, assignor.)
- Bliss, E. W., Company. (See Kruse, Peter, assignor.)
- Bliss, E. W., Company. (See Page, Frank C. B., assignor.)
- Bliss, E. W., Company. (See Thoma, Walter, assignor.)
- Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Foot measuring device. 1,951,322; Mar. 13.
- Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Foot size measurer. 1,951,323; Mar. 13.
- Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Shoe fitting device. 1,985,199; Dec. 18.

- Bliss, Elmer J., Boston, and C. E. Clarke, Winthrop, assignors to Regal Shoe Company, Whitman, Mass. Foot measuring and recording machine. 1,971,954; Aug. 28.
- Bliss, Frank E., Omaha, Nebr. Gun sight. 1,964,027; June 26.
- Bliss, Fred R., Chicago, Ill., assignor, by mesne assignments, to Boston Wire Stitcher Company, Warwick, R. I. Fiber board container. 1,974,527; Sept. 25.
- Bliss, Harold N., assignor to Morse Chain Company, Ithaca, N. Y. Article handling device. 1,961,191; June 5.
- Bliss, Herbert R., and H. G. Allen, Niagara Falls, N. Y., assignors, by mesne assignments, to Boston Wire Stitcher Company, Warwick, R. I. Stitching machine. 1,958,739; May 15.
- Bliss, Herbert R., and H. G. Allen, Niagara Falls, N. Y., assignors, by mesne assignments, to Boston Wire Stitcher Company, Warwick, R. I. Stitching machine. 1,959,609; May 22.
- Bliss, Lyman A. (See Hansen, O. A., and Bliss.)
- Blitz, Martha, New York, N. Y. Foldable container. 1,981,774; Nov. 20.
- Blitz, Otto, Oakland, Calif. Dispensing device. 1,954,064; Apr. 10.
- Bloch, Franz G., Dresden, Germany. Device for indicating temperature. 1,970,219; Aug. 14.
- Bloch, Max. (See Bendix, F., and Bloch.)
- Block, David A., et al. (See Block, Morris H., assignor.)
- Block, Fred A., Detroit, Mich. Cooling and carbonating attachment for receptacles. 1,946,962; Feb. 13.
- Block, Friedrich W. (See Ritter, M. Möbius, Rothenberg, and Block.)
- Block, Herman W., New York, N. Y. Container. 1,975,444; Oct. 2.
- Block, Hugo, assignor to Joseph Block, Brooklyn, N. Y. Coin controlled device for vending machines. 1,957,091; May 1.
- Block, Joseph. (See Block, Hugo, assignor.)
- Block, Joseph, Brooklyn, N. Y. Combination electric clock and sign. 1,968,987; Aug. 7.
- Block, Monroe, assignor to Monroe Block & Co., Providence, R. I. Cigarette case or analogous articles. Des. 93,535; Oct. 9.
- Block, Monroe, & Co. (See Block, Monroe, assignor.)
- Block, Morris H., assignor to H. Kortz, D. A. Block, and P. Kleiger, Denver, Colo. Nursing bottle. 1,947,753; Feb. 20.
- Block, William H., Chicago, Ill. Cigarette vending machine. 1,981,135; Nov. 20.
- Block, William I., Maywood, Ill., assignor to American Can Company, New York, N. Y. Advertising device. 1,943,295; Jan. 16.
- Blodgett, George R., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Gas analyzer. 1,942,323; Jan. 2.
- Blodgett, George R., assignor to Moto Meter Gauge Equipment Corporation, Toledo, Ohio. Thermostat. 1,977,570; Oct. 16.
- Blodgett, Herbert C., assignor to Door Control Company, Hartford City, Ind. Overhead door control means. 1,962,475; June 12.
- Blodgett, Herbert C., assignor to Door Control Company, Hartford City, Ind. Door control. 1,978,126; Oct. 23.
- Blodgett, Herbert C., assignor to Door Control Company, Hartford City, Ind. Electric door control. 1,981,026; Nov. 20.
- Blom, Hjalmar T., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve mechanism. 1,985,140; Dec. 18.
- Blomberg, Martin P., and W. H. Mussey, Chicago, Ill., assignors, by mesne assignments, to Pullman Car & Manufacturing Corporation. Railway car. 1,946,520; Feb. 13.
- Blomberg, Ulrik I. T., Enskede-Stockholm, Sweden, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 1,944,165; Jan. 23.
- Blome, August B., New Dorp, Staten Island, assignor to The Superheater Company, New York, N. Y. Radiant superheater for locomotives. 1,965,067; July 3.
- Blomquist, Charles E., assignor to Butler Manufacturing Company, Kansas City, Mo. Hair drying helmet. 1,943,579; Jan. 16.
- Blomqvist, Georg H. (See Groth, B. S., and Blomqvist.)
- Blomqvist, Georg H., and B. S. Groth, assignors to Kemiska Kontrollbyrån Aktiebolag, Stockholm, and Aktiebolaget A. Heyman, Vargarda, Sweden. Production of furfural. 1,946,667; Feb. 13.
- Blomqvist, Gustav M. J., and F. O. J. Kinley, Stockholm, Sweden. Electromagnetic hammer. 1,941,655; Jan. 2.
- Blomstrom, Charles, Minneapolis, Minn. Hand sanding tool. 1,944,727; Jan. 23.
- Blondel, André E., Paris, France. Device for sounding purposes and for measurements of distance by the reflected sound of a submarine signal received on shipboard. 1,948,253; Feb. 20.
- Blondel, André, Paris, France. Radio signaling system. 1,983,435; Dec. 4.
- Blood, Harold L. (See Guild, W. J., and Blood.)
- Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,948,899; Feb. 27.
- Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,970,645; Aug. 21.
- Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Adjustable mounting for dressing devices for grinding wheels. 1,971,848; Aug. 28.
- Blood, Howard E., assignor to Norge Corporation, Detroit, Mich. Water reservoir. 1,950,133; Mar. 6.
- Blood, Howard E., Detroit, Mich., assignor to Norge Corporation. Base unit for a cabinet or similar article. Des. 92,158; May 8.
- Blood, Howard E., and O. A. Brandel, assignors to Norge Corporation, Detroit, Mich. Water cooler. 1,948,644; Feb. 27.
- Bloodgood, George O., New York, N. Y. Game board for contract or auction bridge. 1,957,382; May 1.
- Bloodworth, Rainie, Thomasville, assignor of one-half to John R. Hall, jr., Moultrie, Ga. Cultivator stock. 1,957,991; May 8.
- Bloom, Benjamin, Brooklyn, N. Y. Garment hanger hood. 1,977,167; Oct. 16.
- Bloom, Edgar J., Tiffin, Ohio, assignor, by mesne assignments, to Auto Research Corporation. Lubricating fixture. 1,945,513; Feb. 6.
- Bloom, Evelyn, Washington, D. C. Ornamentation. 1,976,157; Oct. 9.
- Bloom, Joseph, New York, N. Y. Girdle. 1,981,136; Nov. 20.
- Bloom, Oscar T. (See Newton, R. C., Bloom, and Paddock.)
- Bloomer Bros. Company. (See Inman, William H., assignor.)
- Bloomer Bros. Company. (See Inman, W. H., and Weinman, assignors.)
- Bloomer Bros. Company. (See Klefeker, Charles B., assignor.)
- Bloomer Bros. Company. (See Shearer, John P., assignor.)
- Bloomer, Howard B., et al. (See Farmer, Albert M., assignor.)
- Bloomfield, Grover. (See Woodruff, J. C., Bloomfield, and Krehma.)
- Bloomfield, Grover, L. C. Swallen, and F. M. Crawford, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of acetone from ethyl alcohol. 1,945,131; Jan. 30.
- Bloomfield, Grover, L. C. Swallen, and F. M. Crawford, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Producing ketones. 1,978,404; Oct. 30.
- Bloomfield, Grover, Elkhorn, Wis., and L. C. Swallen and F. M. Crawford, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of acetone from ethyl alcohol. 1,978,619; Oct. 30.
- Bloomfield, Samuel. (See Stepkin Samuel, assignor.)
- Bloomsbury Flying Club. (See Magee, Harry L., assignor.)
- Bloore, Ernest J., Brampton, Ontario, Canada, assignor to The McBee Company, Athens, Ohio. Metal for loose leaf binder covers. 1,985,714; Dec. 25.
- Bloss, Richard L., Manitou, Colo. Combined pad holder and illuminating means therefor. 1,985,335; Dec. 25.
- Bloss, Richard R., and R. C. Pfeil, assignors to International-Stagey Corporation, Columbus, Ohio. Crank counterbalance. 1,952,410; Mar. 27.
- Bloss, Richard R., and R. C. Pfeil, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Counterbalancing device. 1,952,650; Mar. 27.
- Bloss, Richard R., and R. C. Pfeil, assignors, by mesne assignments, to International-Stagey Corporation, Columbus, Ohio. Counterbalancing device. 1,956,341; Apr. 24.
- Blosser, Herman G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,975,652; Oct. 2.
- Blott, John F. (See Gabriel, L. G., and Blott.)
- Blouch, Howard H. (See Hoff, C. M., and Blouch.)
- Blount, Arthur L., Wilmington, and D. W. Boardman, Berkeley, assignors to Union Oil Company of California, Los Angeles, Calif. Soluble oil. 1,965,935; July 10.
- Blount, Earle E., Dayton, Ohio. Airplane-helicopter. 1,951,817; Mar. 20.
- Bloxham, Archibald R. (See Lee, R. F., and Bloxham.)
- Bloxom, Harvey L., Fort Dodge, Iowa. Bubble blower. 1,962,801; June 12.
- Bloxson, Robert G., Camden, N. J. Tube clamp. 1,959,074; May 15.
- Bloxson, Edgar D., Houston, Tex. Folded fabric for lining caskets, or similar article. Des. 92,515; June 19.
- Bludalk, Inc. (See Heinzelmann, Alphonse A., assignor.)
- Bludworth, Inc. (See Vachris, J. B., and Proctor, assignors.)
- Bludworth, Joseph E., Eastland, Tex., O. R. Sweeney, and F. C. Vilbrandt, Ames, Iowa, assignors to Hanlon-Buchanan, Inc., Tulsa, Okla. Partial oxidation of gaseous hydrocarbons. 1,963,070; June 19.
- Blue, Sidney D., New York, N. Y. Shirt. 1,943,885; Jan. 16.
- Blue, Wilbert F., Montezuma, Ind. Amusement apparatus. 1,955,667; Apr. 17.
- Blue Moon Cheese Products, Inc. (See Spear, Lambert E., assignor.)
- Blue Ridge Glass Corporation. (See Glynn, Theodore W., assignor.)
- Blue Ridge Glass Corporation. (See Montelth, Hugh L., assignor.)
- Blue Valley Creamery Company. (See Hooker, Harry A., assignor.)
- Bluffton Slaw Cutter Company. (See Kimmel, Leslie D., assignor.)
- Blum, George J., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill. Power hacksaw. 1,972,327; Sept. 4.
- Blum, George J., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill. Power hacksaw. 1,972,328; Sept. 4.

- Blum, Hans J., New York, N. Y. Spun glass method and apparatus. 1,950,219; Mar. 6.
- Blum, Hans J., assignor to Technova Patents Corporation, New York, N. Y. Fire extinguisher for films. 1,972,437; Sept. 4.
- Blum, Hosmer L., San Francisco, Calif. Drink mixer and dispenser. 1,956,788; May 1.
- Blum, Hosmer L., San Francisco, Calif. Drink dispenser. 1,969,960; Aug. 14.
- Blum, Hosmer L., San Francisco, Calif. Method and apparatus for treating liquids. 1,978,928; Oct. 30.
- Blum, Hosmer L., San Francisco, Calif. Toaster. 1,982,631; Dec. 4.
- Blum, Hosmer L., Alameda, Calif. Fluid meter. 1,974,202; Sept. 18.
- Blum, Hosmer L., Alameda, Calif., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Fluid meter. 1,981,797; Nov. 20.
- Blum, Hosmer L., Fort Wayne, Ind. Fluid meter. 1,977,424; Oct. 16.
- Blum, Hosmer L., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Fluid meter. 1,985,399; Dec. 25.
- Blum, Hosmer L., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Fluid meter. 1,985,400; Dec. 25.
- Blum, Jerome J., assignor to Arveyware Corporation, Olean, N. Y. Side arm for automobiles. 1,960,135; May 22.
- Blum, Richard, Berlin, Germany. Cigarette package. 1,943,810; Jan. 16.
- Blumberg, Harry S., Englewood, N. J., and R. W. Waring, Evanston, Ill., assignors to M. W. Kellogg Co., New York, N. Y. Electrical resistance flash welding. 1,978,891; Oct. 30.
- Blume, Abram, Asbury Park, N. J. Pendant or the like. Des. 92,228; May 15.
- Blume, Charles A., Centerville, Ind. Aeroplane. 1,963,461; June 19.
- Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Voltage control in electrical power transmission circuits. 1,959,153; May 15.
- Blume, Wilhelm, Berlin-Tegel, Germany, assignor to the Firm Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,945,417; Jan. 30.
- Blume, Wilhelm, Berlin-Tegel, assignor to the firm Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,955,619; Apr. 17.
- Blume, Wilhelm, Berlin-Tegel, assignor to the firm Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,976,158; Oct. 9.
- Blume, William A., Detroit, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Friction brake. 1,941,656; Jan. 2.
- Blume, William A., Detroit, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Friction brake. 1,952,903; Mar. 27.
- Blumen, Julius M. (See Blumen, Leopold and J. M.)
- Blumen, Leopold and J. M., San Francisco, Calif. Key controlled switch. 1,962,632; June 12.
- Blumenstock, Louis, Brooklyn, assignor to Spear Box Co., New York, N. Y. Shirt envelope. 1,962,121; June 12.
- Blumenthal, B., & Co. (See Rosenthal, Sidney, assignor.)
- Blumenthal, Moses L., Milwaukee, Wis. Beer bottle. Des. 91,417; Jan. 30.
- Blumlein, Alan D., assignor to Columbia Graphophone Company, Limited, London, England. Electromagnetic phonograph recorder. 1,968,806; Aug. 7.
- Blumlein, Alan D., assignor to Columbia Graphophone Company, Limited, London, England. Electrical transmission device. 1,975,709; Oct. 2.
- Blumlein, Alan D., and H. E. Holman, assignors to Columbia Graphophone Company, Limited, London, England. Electromechanical device. 1,952,357; Mar. 27.
- Blunt, James G., Schenectady, N. Y. Lateral motion cushioning device. 1,946,893; Feb. 13.
- Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Railway vehicle wheel. 1,952,488; Mar. 27.
- Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Railway vehicle wheel. 1,952,489; Mar. 27.
- Blunt, Miles, Upper Darby, Pa. Knock-down heat bath appliance. 1,979,094; Oct. 30.
- Blunt, Royden A., Baltimore, Md. Segregation eliminator. 1,977,300; Oct. 16.
- Bluzat, Claude R., Oak Park, assignor to Standard Transformer Corporation, Chicago, Ill. Lamination applying machine. 1,966,878; July 17.
- Blyberg, Godfrey. (See Bjorkhalm, J. E., and Blyberg.)
- Blystone, John G., Beverly Hills, Calif. Ice tray heater. 1,977,608; Oct. 23.
- Blyth, Arthur A. (See Schoen, A. A., and Blyth.)
- Blythe, William, & Company Limited. (See Bentley, W. H., and Catlow, assignors.)
- Blythe, William E., Birmingham, Mich., assignor to Driver-Harris Company, Harrison, N. J. Heat treating furnace. Re19,205; June 12.
- Boa, George C., and E. E. Hill, assignors to Rite-Rite Mfg. Co., Chicago, Ill. Package for pencil leads. 1,951,857; Mar. 20.
- Boal, Leonard P., assignor of one-half to A. C. Riddick, St. Louis, Mo. Flatwork ironer. 1,976,383; Oct. 9.
- Boaler, William H. (See Welch, S. A., Guyler, Ashby, and Boaler.)
- Boaler, William H. (See Welch, S. A., Guyler, and Boaler.)
- Boardman, Donald W. (See Blount, A. L., and Boardman.)
- Boardman, George P., Fillmore, Calif. Breeding jacket. 1,949,004; Feb. 27.
- Boardman, Harry C., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Welding edges of sheet metal plates. 1,950,393; Mar. 13.
- Boardman, Harry C., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Spherical container. 1,953,949; Apr. 10.
- Boardman, Whitlock W., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding chair. 1,945,018; Jan. 30.
- Board of Trustees of The University of Illinois. (See Heubaum, Ulrich, assignor.)
- Board of Trustees University of Illinois. (See Paine, E. B., Tyckocinski-Tykociner, and Brown, assignors.)
- Boast, William F., Casper, Wyo. Adjustable rubber eraser for lead pencils. 1,985,307; Dec. 25.
- Boatwright, John T., Los Angeles, assignor of one half to G. E. Heinze, Huntington Park, Calif. Collapsible traffic signal. 1,959,075; May 15.
- Bobbhoff, James D., Portland, Oreg. Finger ring. 1,972,128; Sept. 4.
- Bobertz, Walter E., Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 1,968,632; July 31.
- Bobbett, Kinderman M., and A. G. Vogt, Toledo, Ohio. Automatic power press. 1,945,992; Feb. 6.
- Bobroff, Bornett L., Racine, Wis. Signaling device. 1,969,116; Aug. 7.
- Bobroff, Bornett L., Racine, Wis. Signal light for automotive vehicles. 1,981,302; Nov. 20.
- Bobroff, Bornett L., Racine, Wis. Signal switch construction for automotive vehicles. 1,984,628; Dec. 18.
- Bobyski, Pete. (See Yanuski, John, assignor.)
- Boca, Joseph, Flint, assignor to General Motors Corporation, Detroit, Mich. Cowl ventilator door. 1,948,283; Feb. 20.
- Bocchicchio, Vincent, Bridgeport, Conn., assignor of twelve per cent to H. M. Cassell, twelve per cent to M. Lanzetta, and twelve per cent to J. Malvone, Brooklyn, N. Y. Reinforced concrete floor and floor blocks. 1,953,101; Apr. 3.
- Bochmann, Otto, Remscheid-Lennep, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Thread guide drive for centrifugal spinning machines. 1,974,482; Sept. 25.
- Bock, Albert E., Omaha, Neb., assignor to Lisle Corporation, Clarinda, Iowa. Magnetic plug. 1,944,208; Jan. 23.
- Bock, Alfred C. O., Brooklyn, N. Y., assignor to Sattley Company, Detroit, Mich. Coin handling machine. 1,947,456; Feb. 20.
- Bock, Carl J., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Outer wheel bearing retention. 1,950,592; Mar. 13.
- Bock, Charles S., assignor to A. Hoffman, Chicago, Ill. Window fastener and bolt. 1,941,459; Jan. 2.
- Bock, Jack, Bronx, N. Y. Label game. 1,982,282; Nov. 27.
- Bock, Oscar L., Madison, Wis. Oil burner. 1,950,161; Mar. 6.
- Bock, Richard G., Chicago, Ill. Convertible play box. 1,961,957; June 5.
- Bockmühl, Max. (See Lautenschläger, C. L. Bockmühl, and Persch.)
- Bockmühl, Max, Frankfurt-on-the-Main, and R. Knoll, Frankfurt-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Cholesterol ester. 1,944,542; Jan. 23.
- Bockmühl, Max, G. Ehrhart, and L. Stein, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing compounds of the 1-phenyl-2-aminoalcohols-1 series hydroxylated in the phenyl nucleus. 1,948,162; Feb. 20.
- Bockmühl, Max, G. Ehrhart, and L. Stein, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Levo-compounds of the 1-hydroxyphenyl-2-aminopropan-1-ol series and preparing them. 1,951,302; Mar. 13.
- Bockmühl, Max, G. Ehrhart, and L. Stein, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing hydroxyphenylaminopropanols. 1,957,092; May 1.
- Bockmühl, Max, Frankfurt-on-the-Main-Hochst, and R. Knoll, Hornau in Taunus, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Basic product from imino ethers of higher fatty acids and making it. 1,958,529; May 15.
- Bockmühl, Max, L. Stein, and G. Ehrhart, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Optically active arylacetylcarbinols and preparing them. 1,962,476; June 12.
- Bockmühl, Max, and G. Ehrhart, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 1 (3' 4' dioxymethylene phenyl) 2 amino-alkanol (1). 1,964,973; July 3.
- Bockmühl, Max, and W. Ludwig, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, New York, N. Y. Stable aqueous solutions of anesthetic substances. 1,973,794; Sept. 18.
- Bockshe, Ely, Milwaukee, Wis. Grinder frame. Des. 92,516; June 19.

- Bockshe, Ely, Milwaukee, Wis. Grinder. 1,944,489; Jan. 23.
- Bockwitz, Andrew J. (See Self, Grafton H., assignor.)
- Bocz, Alexander J., Detroit, Mich. Controlling heat unit in a thermo engine. 1,982,151; Nov. 27.
- Boda, Joseph E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk harrow. 1,967,493; July 24.
- Bodde, Theodore, assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuit. 1,969,059; Aug. 7.
- Bodé, Emile, Paris, France. Tray. Des. 93,089; Aug. 21.
- Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 1,944,209; Jan. 23.
- Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 1,955,788; Apr. 24.
- Boden, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Double row roller bearing. 1,941,460; Jan. 2.
- Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Panel fastener. 1,965,520; July 3.
- Boden, George, Waterbury, Conn., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Fastener and manufacture. 1,969,688; Aug. 7.
- Boden, Walter A., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Controlling apparatus for lighting effects. 1,976,005; Oct. 9.
- Bodendieck, Henry W., assignor to Tip's Tool Company, Taylorville, Ill. Grounding set. 1,968,736; July 31.
- Bodendieck, Henry W., assignor to Tip's Tool Company, Inc., Taylorville, Ill. Wire clamp. 1,984,566; Dec. 18.
- Bodenschatz, August, assignor, by mesne assignments, of sixty one-hundredths to E. M. de Scherbinin, Philadelphia, Pa., twenty one-hundredths to H. B. Walker, Toronto, Ontario, Canada, and twenty one-hundredths to G. Kroupsky, Buffalo, N. Y. Automatic stop mechanism. 1,982,632; Dec. 4.
- Bodenstein, Paul H., Petersburg, Va., assignor to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa. Preparation of carbon disulphide and hydrogen sulphide. 1,981,161; Nov. 20.
- Bodden, Karl, Bristol, Pa., assignor to Keystone Aircraft Corporation. Automatic riveter. 1,980,181; Nov. 13.
- Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electron discharge device. 1,979,668; Nov. 6.
- Bodge, Alice M., et al. (See Bodge, William, assignor.)
- Bodge, William, Nutley, N. J., assignor of one-half to E. Meyer, Brooklyn, N. Y., and one-half to A. M. Bodge, Nutley, N. J. Child's carriage. 1,959,810; May 22.
- Bodie, Oliver W., Hammond, Ind. Detachable book for removable insertions. 1,955,049; Apr. 17.
- Bodine, Arthur F., North St. Paul, Minn. Beverage cooler. 1,979,219; Oct. 30.
- Bodine Electric Co. (See D'Almaine, H., and Thompson, assignors.)
- Bodine Electric Company. (See Rall, Carl A., assignor.)
- Bodle, Virgil H. (See Glidden, A. A., and Bodle.)
- Bodle, Virgil H., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Upper for footwear and making same. 1,947,183; Feb. 13.
- Bodle, Virgil H., Newton, Mass., and E. B. Newton, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making a rubber article having a molded outer surface. 1,969,962; Aug. 14.
- Bodmer, Albert. (See Heberlein, G., jr., and Bodmer.)
- Bodmer, Ernst, and F. Neitzel, assignors to the firm Durand & Huguenin, S. A., Basel, Switzerland. Manufacture of yellow mordant dyestuffs. 1,984,110; Dec. 11.
- Bodnar, Joseph. (See Klein, R., and Bodnar.)
- Bodolay, Stephen M. (See Langhammer, P., and Bodolay.)
- Bodor, Andrew. (See Koch, L. B., and Bodor.)
- Bodor, Andrew, Newark, N. J., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Swaging mechanism for paper bottle machines. 1,962,171; June 12.
- Boeckeler, Benjamin C. (See Frolich, P. K., and Boeckeler.)
- Boecking, Ewald. (See Frappier, L. S., and Boecking.)
- Boecking, Ewald. (See Kindelmann, A., and Boecking.)
- Boeckx, Nancy and V., California, Pa. Cooling nozzle safety device for permanent waving. 1,951,269; Mar. 13.
- Boeckx, Victor. (See Boeckx, Nancy and V.)
- Boedecker, Friedrich, Dahlen, near Berlin, Germany. Producing 8-hydroxyquinoline. 1,966,026; July 10.
- Boedeker, Hermann. (See Kränzlein, G., Vollmann, Boedeker, and Becker.)
- Boedeker, Walter U., Chicago, and W. G. Seidlitz, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Repeater for rolling mills. 1,977,666; Oct. 23.
- Boedicker, Herman C., New York, N. Y., assignor to Photo Cylinder Corporation. Producing printing surfaces. 1,945,676; Feb. 6.
- Boegehold, Alfred L., and C. J. Tobin, assignors to General Motors Research Corporation, Detroit, Mich. Making brake drums. 1,953,925; Apr. 10.
- Boegehold, Alfred L., Birmingham, C. J. Tobin, Detroit, and C. F. Smart, Pontiac, assignors to General Motors Research Corporation, Detroit, Mich. Carburizing brake drums. 1,967,077; July 17.
- Boegehold, Alfred L., and A. A. Peterson, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Valve steel. 1,981,898; Nov. 27.
- Boeger, Henry F. (See Dreyer, Charles B., assignor.)
- Boehm, Edward C. (See Hebel, E. S., and Boehm.)
- Boehm, George P., Chicago, Ill., assignor to South Bend Bait Company, South Bend, Ind. Fishing lure. 1,976,695; Oct. 9.
- Boehm, Robert M., assignor to Masonite Corporation, Laurel, Miss. Hard vegetable fiber product of high strength and making same. 1,941,536; Jan. 2.
- Boehm, William S. (See Fox, A. P., and Boehm.)
- Boehm, William S., assignor to Lincoln Engineering Company, St. Louis, Mo. Swivel. 1,985,012; Dec. 18.
- Boehme, Otto F., Reading, Pa. Douche nozzle. 1,958,811; May 15.
- Boehmer, Henry A., G. P. Schenck, and G. Wendeln, St. Louis, Mo. Combination lock for motor vehicles. 1,965,920; July 10.
- Boehmer, Peter P., Syracuse, N. Y. Cooker. 1,944,632; Jan. 23.
- Boehmig, Edwin C., Pittsburgh, Pa. Grave vault and constructing the same. 1,950,778; Mar. 13.
- Boehringer, C. F., & Soehne, G. m. b. H. (See Müller, Richard, assignor.)
- Boehringer, C. F., & Soehne, G. m. b. H. (See Müller, R., Hatzig, and Rabald, assignors.)
- Boehringer, C. F., & Soehne, G. m. b. H. (See Müller, R., and Lubke, assignors.)
- Boehringer, C. F., & Soehne, G. m. b. H. (See Stelkens, W., and Müller, assignors.)
- Boehringer, C. H., Sohn. (See Scheuing, G., and Winterhalter, assignors.)
- Boehringer, C. H., Sohn. (See Wieland, Heinrich, assignor.)
- Boehringer, C. H., Sohn. (See Zumstein, Fritz, assignor.)
- Boeing Airplane Company. (See Butler, Leo M., assignor.)
- Boeing Airplane Company. (See Minshall, Robert J., assignor.)
- Boeing Airplane Company. (See Minshall, R. J., and Canney, assignors.)
- Boeing Airplane Company. (See Minshall, R. J., and Pierce, assignors.)
- Boeing Airplane Company. (See Monteith, C. N., Minshall, and Kylstra, assignors.)
- Boenecke, Alfred. (See Voelk, O., and Boenecke.)
- Boenning, William M., Manitowoc, Wis. Folding furniture leg. 1,970,220; Aug. 14.
- Boenning, William M., Manitowoc, Wis., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Table leg support. 1,950,966; Mar. 13.
- Boerlage, Johann, Wiesbaden, Germany. Piston fluid pulsator with hand-controlled valves. 1,963,576; June 19.
- Boes, Isidro R. (See Benaiges, José B., assignor.)
- Boesch, Harry L., Washington, D. C., assignor to Government of the United States. Torpedo. 1,966,435; July 17.
- Boestad, Gustav K. W. (See Lysholm, A., and Boestad.)
- Boettcher, Gustav A., Jamaica, N. Y. Multineedle sewing machine. 1,948,876; Feb. 27.
- Boettcher, William A. F., Chicago, Ill. Sanding roller. 1,975,630; Oct. 2.
- Boettger, August. (See Kronschnabl, Johann, assignor.)
- Boettinger, William G. (See Chappell, R. R., Streb, and Boettinger.)
- Boever, Anne M., Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,983,208; Dec. 4.
- Boever, Paul M. J., Brussels, assignor of fifty per cent to Manufacture Belge de Gembloux, Société Anonyme, Gembloux, Belgium. Long bone fracture clamp. 1,960,892; May 29.
- Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Container for batteries or the like. Re19,180; May 29.
- Boeye Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Shipping container for individual batteries. Re19,181; May 29.
- Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 1,959,193; May 15.
- Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Battery container. 1,965,215; July 3.
- Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 1,979,956; Nov. 6.
- Boffino, Charles, Los Angeles, Calif. Radiocabinet. 1,965,791; July 10.
- Bogaerts, Hubert, Berlin-Halensee, assignor to Metallrelief G. m. b. H., Berlin, Germany. Producing plastic pictures from metal foil. 1,941,736; Jan. 2.
- Bogart, Abraham. (See Katz, H., and Bogart.)
- Bogart, Clyde, Seminole, Okla. Expansion joint. 1,972,084; Sept. 4.
- Bogart, Fred H., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool for machining couplings and the like. 1,958,530; May 15.
- Bogeauss, Ben E., New York, N. Y., assignor, by mesne assignments, to American Tube and Cap Corporation, Jersey City, N. J. Closure for containers. 1,958,414; May 15.

- Bogemann, Max. (See Orthner, L., Bogemann, and Welgel.)
- Bogemann, Max. (See Zaucker, E., Orthner, and Bogemann, assignors.)
- Böger, Otto. (See Müller, W., and Böger.)
- Böger, Otto, Dessau in Anhalt, and O. Meissner, Uerdingen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diaminotriarylmethane dyes. 1,959,455; May 22.
- Bogess, John P., Fairmont, W. Va. Game apparatus. 1,970,731; Aug. 21.
- Boggio, Aldo, Milan, Italy. Method and relative device for applying brakes to aeroplane wheels. 1,942,235; Jan. 2.
- Boggs, David H., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for inspecting glass. 1,974,598; Sept. 25.
- Boggs, David H., Tarentum, and W. J. Hefner, Brackenridge, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for inspecting glass. 1,956,165; Apr. 24.
- Boggs, Joe S., assignor to Kentucky Concrete Pipe Company, Inc., Frankfort, Ky. Concrete pressure pipe. 1,968,598; July 31.
- Boggs Manufacturing Corporation. (See Ghent, W. E., and Parks, assignors.)
- Boghossian, Boghos, Brockton, Mass. Footwear. 1,968,012; July 31.
- Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Architectural lacquer system. 1,965,627; July 10.
- Bogle, John C., Grosse Pointe, Mich. Control apparatus for liquid fuel burners. 1,979,021; Oct. 30.
- Bogle, John C., River Forest, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control apparatus and system. 1,969,961; Aug. 14.
- Bogopolsky, Jacques, Geneva-Acacias, Switzerland. Apparatus for cinematographic projection. 1,948,900; Feb. 27.
- Bogoslowsky, Boris, Bridgeport, Conn., assignor, by mesne assignments, to A. C. Dickinson, Fitchburg, Mass. Apparatus for making coffee. 1,978,074; Oct. 23.
- Bohandy, Frank, Barnesville, Ohio. Carbonating apparatus. 1,958,938; May 15.
- Bohannon, William A., Mineola, and C. B. Gilbert, New York, N. Y. Aerial banner. 1,963,772; June 19.
- Bohannon, William A., Mineola, and C. B. Gilbert, New York, N. Y. Aerial banner. 1,974,039; Sept. 18.
- Bohart, George S., Alameda County, Calif., assignor to National Cannery Association, Washington, D. C. Canning foods. 1,961,681; June 5.
- Bohemian Distributing Co. Ltd. (See Latchford, William J., Jr., assignor.)
- Bohland, Carl P., St. Paul, Minn. Pencil sharpener. 1,941,823; Jan. 2.
- Bohländer, John. (See Gerlach, F. A., and Bohlander.)
- Bohleber, William. (See Wilber, Charles T., assignor.)
- Bohli, Jakob, Solothurn, Switzerland. Centrifugal governor. 1,975,680; Oct. 2.
- Bohli, Jakob, Solothurn, Switzerland. Regulator and cut-out relay for dynamos. 1,984,820; Dec. 18.
- Bohli, Jakob, assignor to Scintilla Aktiengesellschaft, Solothurn, Switzerland. Magneto. 1,943,157; Jan. 9.
- Bohling, Arthur G., Kansas City, Mo., assignor to Federal Distributing Company. Card dealing machine. Des. 91,701; Mar. 13.
- Bohling, Arthur G., Kansas City, Mo., assignor to Federal Distributing Company. Card dealer. 1,969,117; Aug. 7.
- Böhling, Rudolf H., Hamburg, Germany. Method and apparatus for manufacturing pipe bends and the like. 1,951,334; Mar. 20.
- Bohlmann, Edward H., Clayton, assignor to Cupples Company, Manufacturers, St. Louis, Mo. Display package. 1,958,231; May 8.
- Bohm, Alfred, Brooklyn, N. Y. Strand holding and tensioning device. 1,952,358; Mar. 27.
- Böhm, Otto, and W. Moser, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmission network. 1,952,411; Mar. 27.
- Böhm, Otto, and W. Moser, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 1,964,190; June 26.
- Bohmann, Arthur A. (See Scheibel, K. G., and Bohmann.)
- Bohmbach, Chris J., Red Wing, Minn. Orthopedic appliance. 1,973,402; Sept. 11.
- Böhme Aktiengesellschaft, The. (See Bertsch, Heinrich, assignor.)
- Böhme, H. Th., Aktiengesellschaft. (See Kögl, Hans, assignor.)
- Bohme, H. Th., Aktiengesellschaft, the firm. (See Bertsch, Heinrich, assignor.)
- Bohmker, John C., Kankakee, Ill. Electrical release for planters. 1,948,559; Feb. 27.
- Bohmker, John C., Kankakee, Ill. Disk blade. 1,954,783; Apr. 17.
- Bohmker, John C., Kankakee, Ill. Incubator. 1,977,905; Oct. 23.
- Bohn Aluminum & Brass Corporation. (See Anderson, David E., assignor.)
- Bohn Aluminum & Brass Corporation. (See Bagley, William H., assignor.)
- Bohn Aluminum and Brass Corporation. (See Eggenweiler, C. W., and Fiegel, assignors.)
- Bohn Aluminum & Brass Corporation. (See Emery, H., Irvine, and Bateman, assignors.)
- Bohn Aluminum & Brass Corporation. (See Fiegel, W. J., Enderich, and Bracciano, assignors.)
- Bohn Aluminum & Brass Corporation. (See McCullough, William E., assignor.)
- Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
- Bohn, Donald L., assignor to Aluminum Company of America, Pittsburgh, Pa. Protective device. 1,959,017; May 15.
- Bohn, Ralph N. (See Haas, L. W., and Bohn.)
- Bohnblust, Arnold, Riley, Kans. Pump. Re19,310; Sept. 11.
- Bohnblust, Ben, Riley, Kans. Circulator. 1,980,315; Nov. 18.
- Bohner, Chance E., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Fluid flow circuit control. 1,967,017; July 17.
- Bohner, Chance E., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Fluid flow indicator. 1,967,018; July 17.
- Bohner, Chance E., East Orange, N. J., assignor, by mesne assignments, to Federal Wired Radio, Inc., New York, N. Y. Remote control of radio or wired radio receiver. 1,972,471; Sept. 4.
- Bohnke, Herman C. (See Lauth, E. J., and Bohnke.)
- Bohnke, Herman C., assignor to Superior Paper Products Company, Carnegie, Pa. Combined display and shipping package. 1,977,466; Oct. 16.
- Bohnsack, John A. (See Balch, T. V., and Bohnsack.)
- Bohnsack, John A. (See Hauserman, E. F., Mowery, and Bohnsack.)
- Bohnsack, John A., and T. V. Balch, Cleveland Heights, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic partition construction. 1,946,268; Feb. 6.
- Bohnsack, John A., Cleveland Heights, and E. Heller, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metal partition scribe. 1,960,078; May 22.
- Bohnson, Van L., Waynesboro, Va., assignor to Du Pont Rayon Company, New York, N. Y. Preparing cellulose acetates. 1,966,579; July 17.
- Bohnson, Van L., and F. H. Swezey, Waynesboro, Va., assignors to Du Pont Rayon Company, New York, N. Y. Artificial thread. 1,966,578; July 17.
- Bohuslav, Hans A., San Francisco, Calif. Fuel pump for internal combustion engines. 1,951,340; Mar. 20.
- Bollard, Adelard, Indian Orchard, Mass. Stand for fuel drums or the like. Des. 91,311; Jan. 9.
- Bolleau, Arthur H., Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Chicago, Ill. Pasteurizer. Des. 92,698; July 10.
- Bolleau, Arthur H., Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Wilmington, Del. Mutator. 1,962,386; June 12.
- Bolleau, Arthur H., Cedar Rapids, Iowa, and A. J. Lipold, Milwaukee, Wis., assignors to Cherry-Burrell Corporation, Wilmington, Del. Liquid treating and bottling apparatus. 1,976,768; Oct. 16.
- Boiler Room Improvement Co. (See McNeill, Frederick.)
- Boinot, Firmin. (See Ricard, E., and Boinot.)
- Boisseau, Edmond. (See Duffy, E. J., and Boisseau.)
- Boisselier, Earl D., assignor to American Flyer Manufacturing Company, Chicago, Ill. Headlight for toy locomotives. Re19,248; July 24.
- Boisselier, Earl D., assignor to American Flyer Mfg. Co., Chicago, Ill. Reversing switch for toy electric locomotives. 1,961,276; June 5.
- Boisselier, Earl D., Glenellyn, assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy train. 1,974,326; Sept. 18.
- Boisset, Charles L., New Orleans, La. Internal-combustion apparatus. 1,943,053; Jan. 9.
- Boissou, Pierre. (See Reboul, R. C., and Boissou.)
- Boistel, Maurice. (See Hugel, G., Paul, and Boistel.)
- Bojner, Gustav, assignor to Aktiebolaget Svenska Fläktfabriken, Stockholm, Sweden. Apparatus for carrying out heat exchange processes. 1,979,602; Nov. 6.
- Bol, Cornelis. (See Dorgelo, E. G., Bol, and Linnemans.)
- Bol, Cornelis. (See Dorgelo, E. S., Klinkhamer, and Bol.)
- Bol, Cornelis, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge lamp device. 1,951,124; Mar. 13.
- Bol, Cornelis, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,961,897; June 5.
- Bol, Cornelis, and K. Posthumus, Eindhoven, Netherlands, assignors to Radio Corporation of America. Receiver tuning mechanism. 1,957,243; May 1.
- Bol, Cornelis, and H. Rinia, Eindhoven, Netherlands, assignors to Radio Corporation of America. Arrangement for regulating the selectivity of receiving apparatus. 1,960,893; May 29.
- Bolam, Robert F., Tampa, Fla. Copper base alloy. 1,985,814; Dec. 25.
- Boland, Charles M., Lakeland, Fla. Combined heating and irrigating system. 1,967,803; July 24.
- Boland, Jerome A., Belle Vernon, Pa. Valve. 1,958,262; May 8.
- Boland, Joseph J., Keyport, N. J., assignor to Aeromarine Plane & Motor Company Inc. Vibration dampener. 1,950,850; Mar. 6.
- Bolas, Harold, Pawtucket, R. I. Air cooled internal combustion engine. 1,975,776; Oct. 9.
- Bold, Frederick W., Chelsea, Mass. Fuse. 1,946,668; Feb. 13.

- Boldt, Johannes, Kiel, Germany. Note-block. 1,980,659; Nov. 13.
- Bolen, Emerson A., assignor to Northwestern Corporation, Morris, Ill. Measuring device for vending machines. 1,970,686; Aug. 21.
- Bolens, Walter L. (See Dakin, J. E., and Bolens.)
- Boles, Arthur L., Oakland, Calif. Grapnel. 1,982,132; Nov. 27.
- Boles, Merl L., Whittier, Calif. Formation tester. 1,950,654; Mar. 13.
- Bölger, Johan, Amsterdam, Netherlands. Reenforced wire netting. 1,947,754; Feb. 20.
- Bolkcom, Harry G., Richfield, Minn. Automobile heater. 1,978,892; Oct. 30.
- Boll, John A., Cleveland, Ohio. Slide rule. 1,978,038; Oct. 23.
- Boll, Lester P. (See Birkenmaier, T., and Boll.)
- Boll, Lester P., University City, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse link. 1,964,450; June 26.
- Bolla, Giovanni, Trecate, Italy. Valve gear for steam engines. 1,954,982; Apr. 17.
- Bollak, Andrew, Homer City, Pa. Amusement device. 1,977,609; Oct. 23.
- Bollard, Arthur W., Cleveland Heights, assignor to The F. D. Cummer & Son Company, Cleveland, Ohio. Mixer for road materials. 1,969,545; Aug. 7.
- Bollinger, Charles, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Furnace. 1,966,482; July 17.
- Bollinger, Claude A. (See Irvin, W. A., and Bollinger.)
- Bollinger, Frederick A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vehicle wheel structure. 1,963,932; June 19.
- Böllinger, Hanns S. W. (See Kluge, H. W. J. K., and Böllinger.)
- Bollinger, Howard M., Washington, D. C. Supporting means for electric conductors and cables. 1,943,912; Jan. 16.
- Bollinger, Paul, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway motor frame. 1,962,122; June 12.
- Bollman, John H., Woodcliff, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical image production. 1,971,674; Aug. 28.
- Bollman, Roland R., assignor to The Munny Manufacturing Company, Cincinnati, Ohio. Creasing apparatus. 1,959,047; May 15.
- Bolognini, Giovanni, Bologna, Italy. Permutation lock. 1,970,541; Aug. 21.
- Bolser, Clark M., Le Mars, assignor to The Bolser Corporation, Des Moines, Iowa. Highway flare. 1,961,629; June 5.
- Bolser Corporation, The. (See Bolser, Clark M., assignor.)
- Bolser, Miles O., Los Angeles, Calif. Supporting device for stranded transmission line conductors. 1,973,556; Sept. 11.
- Bolster, Albert W., assignor of two-thirds to Mrs. M. J. Taylor, Placerville, Calif. Control valve. 1,947,637; Feb. 20.
- Bolster, Calvin M., U. S. Navy. Handling apparatus for airships. 1,972,863; Sept. 11.
- Bolt, Frederic L., Tynemouth, England. Air director for liquid fuel or powdered fuel furnaces. 1,959,521; May 22.
- Bolt, John M., Cordova, N. C., assignor to Bahan Textile Machinery Company, Greenville, S. C. Dagger for looms. 1,953,921; Apr. 10.
- Bolton, Arthur, Jersey City, N. J., and T. A. Kedward, New York, N. Y., assignors to Standard Shipping Company. Tank vessel. 1,953,389; Apr. 3.
- Bolton, Elmer K., Wilmington, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Insecticide. 1,961,840; June 5.
- Bolton, Harry D., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,942,506; Jan. 9.
- Bolton, Joseph, Windsor, Ontario, Canada. Rotary ventilator. 1,977,934; Oct. 23.
- Bolton, William R., Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole fitting machine. 1,957,689; May 8.
- Bolza, Albrecht, assignor to the firm Schnellpressenfabrik Koenig & Bauer Aktiengesellschaft, Würzburg, Bavaria, Germany. Process and apparatus for cutting printed paper webs. 1,965,029; July 3.
- Bolza, Hans, assignor to Schnellpressenfabrik Koenig & Bauer Aktiengesellschaft, Würzburg, Germany. Device for automatically regulating the tension of the web in rotary printing machines. 1,972,676; Sept. 4.
- Boman, Tom G. (See Ringenberg, John A., assignor.)
- Bomberger, George E., assignor to Anderson Box Company, Indianapolis, Ind. Chick box. Re19,122; Mar. 27.
- Bomberger, George E., Indianapolis, Ind., and R. A. Gorsuch, Gambier, Ohio; said Bomberger assignor to Anderson Box Company, Indianapolis, Ind. Shipping box and brooder. 1,977,467; Oct. 16.
- Bömcke, Reinold. (See Wiger, C., and Bömcke.)
- Bommer, Emil, Brooklyn, N. Y. Cam and slide mechanism. 1,978,736; Oct. 30.
- Bommer, Fred W., Winchester, assignor, by mesne assignments, to Sibley-Pym Corporation, Lynn, Mass. Winding machine. 1,949,236; Feb. 27.
- Bommer, Max. (See Hauser, H., and Bommer.)
- Bonacci, Salvatore. (See Marinacci, P., and Bonacci.)
- Bonaccolta, Louis, and J. Noodleman, assignors to Automatic Cabinets, Inc., Houston, Tex. Vending machine. 1,951,746; Mar. 20.
- Bonamico, Charles. (See Baker, T. T., Bonamico, and Grist.)
- Bonamico, Charles, assignor to Spicers Limited, London, England. Sound-record cinematograph film in natural colors. 1,984,456; Dec. 18.
- Bonander, Arthur. (See Kahrman, R. C., Wolf, and Bonander.)
- Bonaudo, John, New York, N. Y. Apparatus for effecting alignment of pattern pieces on garment fabric. 1,963,773; June 19.
- Bonanno, Joseph L., Forest Hills, assignor to The Lionel Corporation, New York, N. Y. Governor. 1,958,884; May 15.
- Bonardi, Joseph, New York, N. Y. Perfuming device. 1,983,691; Dec. 11.
- Bonat, Harry, assignor to S. and H. Bonat, doing business as Samuel Bonat & Bro., New York, N. Y. Electric heater for hair waving. Des. 94,068; Dec. 18.
- Bonat, Samuel, & Bro. (See Bonat, Harry, assignor.)
- Bonath, Klaus. (See Beck, W., and Bonath.)
- Bonath, Richard, Bussum, assignor to Werkspoor N. V., Amsterdam, Netherlands. Apparatus for crystallizing solutions by evaporation or cooling. 1,970,732; Aug. 21.
- Bonath, Richard, Bussum, assignor to Werkspoor N. V., Amsterdam, Netherlands. Apparatus for crystallizing solutions by evaporation or cooling. 1,982,978; Dec. 4.
- Bond, Charles L. (See Ruble, C., Bond, and Drake.)
- Bond Electric Corporation. (See Barber, George H., assignor.)
- Bond Electric Corporation. (See Barber, G. H., and Pratt, assignors.)
- Bond Electric Corporation. (See Barber, G. H., and Schuch, assignors.)
- Bond Electric Corporation. (See Britsch, Otto C., assignor.)
- Bond Electric Corporation. (See Darling, Roy L., assignor.)
- Bond Electric Corporation. (See Pratt, Goodrich B., assignor.)
- Bond Electric Corporation. (See Reinhardt, Otto K., assignor.)
- Bond, Frank A., assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Automobile bumper. 1,984,392; Dec. 18.
- Bond, George R., jr., Paulsboro, N. J., and C. W. Davis, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting the decomposition of organic compounds. 1,947,578; Feb. 20.
- Bond, Harlan A., Metuchen, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Vaporization of formamide. 1,950,875; Mar. 13.
- Bond, Harlan A., Metuchen, and L. B. Smith, Woodbridge, N. J., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company. Oxidation of alcohols. 1,968,552; July 31.
- Bond Manufacturing Corporation. (See Bostwick, Richard C., assignor.)
- Bond Manufacturing Corporation. (See Edmonds, George P., assignor.)
- Bond, Marion E. (See Cotter, W. F., and Bond.)
- Bond, Raymond W., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Valve controlled nozzle. 1,954,662; Apr. 10.
- Bond, Raymond W., and O. A. Hokanson, Fort Wayne, Ind. Toaster. 1,982,494; Nov. 27.
- Bond, Raymond W., and P. B. Renfrew, assignors to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Dispensing apparatus. 1,964,974; July 3.
- Bondeson, Carl G., assignor to National Engineering Corporation, Terryville, Conn. Fitting for electric conduits. 1,974,910; Sept. 25.
- Bondeson, Carl G., assignor to National Engineering Corporation, Terryville, Conn. Electrical connection. 1,977,426; Oct. 16.
- Bondurant, Carlton W., assignor to The Bishop Babcock Sales Company, Cleveland, Ohio. Thermally actuated electrical switch. 1,985,337; Dec. 25.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,947,638; Feb. 20.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch point detector. 1,953,461; Apr. 3.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,976,827; Oct. 16.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,976,829; Oct. 16.
- Bone, Herbert L., Swissvale, and J. W. Livingston, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,958,293; May 8.
- Bone, Herbert L., Swissvale and J. W. Livingston, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,958,294; May 8.
- Bone, Herbert L., Swissvale, and W. C. McWhirter, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,976,830; Oct. 16.

- Bone, Ronald S., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,953,462; Apr. 3.
- Boness, Hyman. (See Boness, Jack and H.)
- Boness, Jack and H., Montreal, Quebec, Canada. Lip stick holder. 1,972,472; Sept. 4.
- Bonfield, Haswell T., assignor to Universal Products Corporation, Reno, Nev. Emulsifying apparatus. 1,975,631; Oct. 2.
- Bong, Adolf, Gloggnitz, assignor to the firm Aktien-gesellschaft der Oesterreichischen Fezfabriken, Vienna, Austria. Felt for paper machines. 1,980,608; Nov. 13.
- Bongartz, Carl H., Twickenham, assignor of two-fifths to S. Marcell, Claygate, England. Hair curling apparatus. 1,982,416; Nov. 27.
- Bongiovanni, Antonio. (See Grasso, S., and Bongiovanni.)
- Bongrand, Jean E. C. (See Lejeune, L. S. M., and Bongrand.)
- Bongrand, Jean E. C., Paris, and Léon S. M. Lejeune, Wasquehal, France. Manufacture of threads of textile material. 1,964,658; June 26.
- Bonhôte, Gerald, assignor to firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and process of making same. 1,946,010; Feb. 6.
- Bonhôte, Gerald, and C. Apotheker, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs. 1,949,142; Feb. 27.
- Bonhôte, Gerald, Basel, and M. Schmid, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,951,082; Mar. 13.
- Bonine, Charles E., Melrose Park, Pa., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Apparatus for and method of treating liquids. 1,956,411; Apr. 24.
- Bonn, Charles W., St. Clair, Mich. Construction of log cabins. 1,980,660; Nov. 13.
- Bonnar-Vawter Fanform Company, Inc. (See Doty, Raymond B., assignor.)
- Bonnell, Leonard S., Roselle, N. J., assignor to Standard I. G. Company. Lubricating oil and preparing same. 1,953,039; Mar. 27.
- Bonnet, James H., Champaign, Ill. Knockdown portable bench. 1,950,593; Mar. 13.
- Bonnet, Leon O., Berkeley, Calif. Seedless grape. Pl. Pt. 88; Mar. 13.
- Bonnet, Maurice, Paris, France. Coupling mechanism. 1,957,196; May 1.
- Bonney, Alfred, jr. (See Gustin, D. S., Bonney, and Fleischmann.)
- Bonney-Floyd Company, The. (See Edmunds, Glenn E., assignor.)
- Bonney-Floyd Company, The. (See Edmunds, G. E., and Floyd, assignors.)
- Bonney-Floyd Company, The. (See Gregg, A. W., and Frank, assignors.)
- Bonney-Floyd Company, The. (See Mitchell, H. A., and Cawthon, assignors.)
- Bonney, Robert D. (See Hawkes, A. W., and Bonney.)
- Bonney, Robert D., Glen Ridge, and W. S. Egge, East Orange, N. J., assignors to Congoleum-Nairn, Inc. Protective coating composition. 1,968,243; July 31.
- Bonney, Robert D., and W. S. Egge, Glen Ridge, N. J., assignors to Congoleum-Nairn, Inc. Linoleum and manufacture. 1,985,200; Dec. 18.
- Bonney, Robert D., Glen Ridge, and J. F. Maguire, South Orange, N. J., assignors to Congoleum-Nairn, Inc. Tie composition. 1,985,201; Dec. 18.
- Bonney, William H., Oregon City, Ore. Liquid dispensing device. 1,945,725; Feb. 6.
- Bonnie, Robert P. (See Roberts, C. and Vertrees, assignors.)
- Bonniel, Ralph W., Des Moines, Iowa. Brake shoe. 1,972,371; Sept. 4.
- Bonnicksen, Cyril W., Slough, assignor to Protectoglass Limited, London, England. Production of films and coatings of cellulosic material. 1,976,539; Oct. 9.
- Bonnot Company, The. (See Lentz, George W., assignor.)
- Bonora, Giuseppe. (See Fronteras, E. M., and Bonora.)
- Bonotto, Michele, Torino, Italy, assignor, by mesne assignments, to American Soya Products Corporation, Evansville, Ind. Making vegetable product. 1,973,281; Sept. 11.
- Bonrath, Wilhelm. (See Schepps, W., Bonrath, and Taube.)
- Bonrath, Wilhelm. (See Schönöfer, F., and Bonrath.)
- Bonsack, Walter, assignor to The National Smelting Company, Cleveland, Ohio. Aluminum base alloys. 1,947,121; Feb. 13.
- Bonsack, Walter, assignor to The National Smelting Company, Cleveland, Ohio. Preparation of aluminum alloys. 1,950,967; Mar. 13.
- Bonsack, Walter, Cleveland, Ohio, assignor to The National Smelting Company. Composition of matter for treating aluminum alloys. 1,981,798; Nov. 20.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,964,247; June 26.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,972,129; Sept. 4.
- Bonte, Frederick R., Beaver Falls, Pa. Metal working and article produced thereby. 1,945,877; Feb. 6.
- Bontemps, Joseph, Richmond Hill Circle, assignor to Col-lapso Table Company, New York, N. Y. Folding table. 1,969,723; Aug. 14.
- Boock, Alfred C., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine speed and fuel control means. 1,964,497; June 26.
- Book, Frank J., Huntington, Ind. Chest. 1,957,383; May 1.
- Bookman, Esther D., Pacific Beach, Calif. Steam heater. 1,973,973; Sept. 18.
- Boom, Milton A. (See Carlson, G. E., Larson, and Swenson, assignors.)
- Boonstra, Ellis T. (See Weinmann, A., and Boonstra.)
- Boonton Molding Company. (See Scribner, George K., assignor.)
- Boonton Research Laboratories. (See Cobb, Howard L., assignor.)
- Boor, Ladislav, Roselle, N. J., assignor to American Cyanamid Company, New York, N. Y. Method of ammoniating. 1,967,049; July 17.
- Boorum & Pease Company. (See Bingham, Frederick C., assignor.)
- Boorum & Pease Company. (See Rennie, John A., assignor.)
- Boos, Eduard, Oberbruch, Kreis Heinsberg, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Manufacture of crepe yarns. 1,950,471; Mar. 13.
- Boos, Francis H., Port Benning, Ga. Saber hanger and stabilizer. 1,977,618; Oct. 25.
- Boos, Fred O. (See Rabe, J. F., and Boos.)
- Boos, Loyal K., Kansas City, Mo. Wrench. 1,946,669; Feb. 13.
- Boosey, Edward W. N., Detroit, Mich. Seepage joint. 1,941,537; Jan. 2.
- Boosey, Edward W. N., Detroit, Mich. Drainage system and fitting therefor. 1,941,926; Jan. 2.
- Boosey, Edward W. N., Detroit, Mich. Clean-out plug. 1,951,645; Mar. 20.
- Boosey, Edward W. N., Detroit, Mich. Grease trap. 1,970,123; Aug. 14.
- Boosey, Edward W. N., Detroit, Mich. Drainage fitting. 1,973,304; Sept. 11.
- Booss, Frederick E. E., Lancaster, assignor to Gould Storage Battery Corp., Depew, N. Y. Indicator for storage batteries. 1,978,185; Oct. 23.
- Booth, Byron C. (See Tichenor, C. M., and Booth.)
- Booth, Charles F. (See Kilbourne, K. A., and Booth.)
- Booth, Charles F., Anniston, Ala., assignor to Swann Research, Inc. Producing aminodiphenyls. 1,954,468; Apr. 10.
- Booth, Charles F., Anniston, Ala., assignor to Swann Research, Incorporated. Making benzidine and other arylamines. 1,954,469; Apr. 10.
- Booth, Charles F., Anniston, Ala., assignor to Swann Research, Incorporated. Waterproofing and fire-retarding composition. 1,975,072; Oct. 2.
- Booth, Clement. (See Binns, G. W., and Booth.)
- Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,976,114; Oct. 9.
- Booth, Clement, Danbury, Conn., assignor to Cincinnati Grinders Incorporated. Grinding machine. 1,985,237; Dec. 25.
- Booth, Earl C. (See Noblitt, Q. G., and Booth.)
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Case for automobile radios. Des. 91,386; Jan. 23.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Combined switch knob and escutcheon plate. Des. 94,015; Dec. 11.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Radio container. 1,943,255; Jan. 9.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Indianapolis, Ind. Flexible-tube construction. 1,971,595; Aug. 28.
- Booth, Earl C., and W. E. Peek, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Automobile radioreceiver. 1,965,628; July 10.
- Booth, Frederick C., New York, N. Y., assignor to Auto Research Corporation. Spring shackle. 1,951,335; Mar. 20.
- Booth, George M. (See Tryon, R. W., and Booth.)
- Booth, George M., and R. W. Tryon, Elizabeth, N. J., assignors to Standard Oil Development Company. Apparatus for conveying oil. 1,966,113; July 10.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping machine. 1,956,208; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping containers and product thereof. 1,956,209; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping containers and product thereof. 1,956,210; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping containers and product thereof. 1,956,211; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 1,956,212; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closure and method and apparatus for applying same. 1,956,213; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Method and apparatus for applying closures. 1,956,214; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 1,956,215; Apr. 24.

- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Manufacturing container closures. 1,956,216; Apr. 24.
- Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 1,956,217; Apr. 24.
- Booth, Harold S., and G. G. Torrey, Cleveland Heights, Ohio. Artificial refrigeration. 1,960,368; May 29.
- Booth, Howard M. (See Saunders, Paul, assignor.)
- Booth, James D., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Modulation meter. 1,979,669; Nov. 6.
- Booth, Leonard D. (See Walker, C. A., and Booth.)
- Booth, Morris F., Chicago, Ill., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Cooling unit for refrigerating systems. Re19,136; Apr. 10.
- Booth, Percy, Warrington, England. Screen. 1,942,948; Jan. 9.
- Booth, Ralph D., Brookline, J. R. Coffin, New Highlands, and A. J. Tigges, Boston, Mass., assignors of one-half to Jackson & Morelands and one-half to Standard Oil Development Company. Method and apparatus for expanding high pressure gas. 1,971,518; Aug. 28.
- Booth, Roland, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Drop wire frame. 1,957,520; May 8.
- Booth, Thomas, Boise, Idaho. Animal trap. 1,948,199; Feb. 20.
- Booth, William, Douglaston Park, N. Y. See-saw swing. 1,941,824; Jan. 2.
- Booth, William E., and J. Savage, Runcorn, England, assignors to Imperial Chemical Industries Limited. Apparatus for the degreasing of materials by means of volatile solvents. 1,973,426; Sept. 11.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel hub. 1,943,158; Jan. 9.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Hub cap and securing same to wheel hubs. 1,943,159; Jan. 9.
- Booth, William N., assignor to Kelsey Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,975,221; Oct. 2.
- Boothby, Clinton R., and H. D. Else, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Induction motor. 1,976,598; Oct. 9.
- Boothby Fibre Can Company. (See Bennett, Raymond A., assignor.)
- Boothby Fibre Can Company. (See Gazette, Marshall E., assignor.)
- Boothe, Laurence, Los Angeles, Calif. Furniture. 1,963,347; June 19.
- Boothroyd, Hubert. (See Woodcock, R. B., and Boothroyd.)
- Boots, William C., assignor to Guyot Bros. Co. Inc., Attleboro, Mass. Bracelet. 1,971,094; Aug. 21.
- Borah, Ralph A., Raymond, S. Dak. Automobile seat. 1,964,424; June 26.
- Borasino, Teresio, Alessandria, Italy. Machine for the treating of hat-felts. 1,963,113; June 19.
- Borba, Joseph R., Lathrop, Calif. Trap door construction. 1,942,681; Jan. 9.
- Borchek, Mathew, and H. Fingal, Pittsburgh, Pa. Sand projector. 1,975,346; Oct. 2.
- Borchers, Alwin, assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Short circuiter for repulsion induction motors. 1,942,996; Jan. 9.
- Borchers, Alwin, assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Short circuiter for electric motors. 1,942,997; Jan. 9.
- Borchers, Alwin, and G. Peiser, assignors to The Brown-Brockmeyer Company, Dayton, Ohio. Electric motor. 1,948,365; Feb. 20.
- Borchers, William G., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 1,944,118; Jan. 16.
- Borchert, Fred L. (See Borchert, William and F. L.)
- Borchert, Fred L. and W., Rockford, Ill. Emblem. 1,980,744; Nov. 13.
- Borchert, William. (See Borchert, Fred L. and W.)
- Borchert, William, Rockford, Ill. Device for connection to terminal elements. 1,980,746; Nov. 13.
- Borchert, William and F. L., assignors to The Tagit Company, Rockford, Ill. Tag structure. 1,980,745; Nov. 13.
- Borda, Pasquale, Brooklyn, N. Y. Shoe. Des. 93,327; Sept. 18.
- Borda, Pasquale, Brooklyn, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,197; Sept. 4.
- Borden, Arthur G., assignor to The Borden Method, Inc., Washington, D. C. Hair waving apparatus. 1,941,594; Jan. 2.
- Borden, Charles R. C., Brookline, Mass. Bath sponge or the like. 1,943,365; Jan. 16.
- Borden Company, The. (See Jones, Robcliff V., assignor.)
- Borden Company, The. (See Page, W., and McClatchie, assignors.)
- Borden Company, The. (See Pealer, Robert B., assignor.)
- Borden Company, The. (See Pealer, R. B., and Shafer, assignors.)
- Borden Company, The. (See Phillips, William A., assignor.)
- Borden Company, The. (See Schibsted, Helge, assignor.)
- Borden Company, The. (See Shafer, Clarence W., assignor.)
- Borden Company, The. (See Weatherford, Edward, assignor.)
- Borden, Edwin A., San Francisco, Calif. Decalcomania and making same. 1,973,403; Sept. 11.
- Borden, Frank H. (See Hill, William E., assignor.)
- Borden, Fred W., San Francisco, Calif. Stereoscope. 1,956,822; May 1.
- Borden, Joseph H., Elkins Park, Pa. Elevator control system. 1,963,484; June 19.
- Borden, Joseph H., Elkins Park, assignor to Atlantic Elevator Company, Philadelphia, Pa. Elevator system. 1,972,372; Sept. 4.
- Borden, Joseph H., assignor to Atlantic Elevator Company, Philadelphia, Pa. Elevator control system. 1,945,392; Jan. 30.
- Borden, Joseph H., and C. J. Kett, assignors to Atlantic Elevator Company, Inc., Philadelphia, Pa. Elevator doorlock. 1,979,022; Oct. 30.
- Borden, M. C. D., & Sons, Inc. (See Silliere, Paul E., assignor.)
- Borden Method, Inc., The. (See Borden, Arthur G., assignor.)
- Borden, Moro M., Collingswood, N. J., assignor to Simplex Valve & Meter Company, Philadelphia, Pa. Mechanism for indicating flow. 1,956,309; Apr. 24.
- Borden, Moro M., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Flow indicator. 1,975,710; Oct. 2.
- Borden, Moro M., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Reverse flow meter. 1,975,711; Oct. 2.
- Borden, Perry A., assignor to The Bristol Company, Waterbury, Conn. System of measurement and control. 1,979,311; Nov. 6.
- Borden, Perry A., Waterbury, and W. N. Hubbard, Meriden, assignors to The Bristol Company, Waterbury, Conn. Electrical control system. 1,971,764; Aug. 28.
- Borden, Stephen W. (See Roe, Ralph C., assignor.)
- Borden, Stephen W., Summit, N. J. Electrical connecting device for electrical conductors. 1,976,769; Oct. 16.
- Borden, Stephen W., Summit, N. J. Ground fittings. 1,981,343; Nov. 20.
- Borden's Produce Company. (See Pilley, Frank, assignor.)
- Borders, Bee, Springfield, Vt. Friction stop for bowling alleys. 1,967,858; July 24.
- Borders, M. W., jr. (See Link, S. E., and White, assignors.)
- Bordo, Joseph-Arnold, Essen, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Working up gas purifying masses. 1,962,051; June 5.
- Borel, Onésime, Geneva, Switzerland, assignor to Landis & Gyr, A-G. Prepayment meter. 1,962,923; June 12.
- Boren, Fred, assignor to The Swisshelm Vener Co., Mound City, Ill. Crate. 1,947,446; Feb. 20.
- Boren, John A. (See Harvey, E. M., and Boren.)
- Borg, Alton C. (See Ingersoll, S. L., Patrick, and Borg.)
- Borg & Beck Company, The. (See Evans, Edwin R., assignor.)
- Borg & Beck Company. (See Nutt, Harold, assignor.)
- Borg & Beck Company, The. (See Reed, Harold V., assignor.)
- Borg, George W., Corporation. (See Hobbs, John W., assignor.)
- Borg, Herbert F., and D. E. Walker, assignors to Lyseth Thread Company, Worcester, Mass. Feed for bobbin winding machines. 1,973,328; Sept. 11.
- Borg-Warner Corporation. (See Lyman, Kenneth E., assignor.)
- Borg-Warner Corporation. (See Lyman, K. E., and Miller, assignors.)
- Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)
- Borg-Warner Corporation. (See Van Osdol, Nathan K., assignor.)
- Borger, Samuel, Brooklyn, N. Y. Dress. Des. 93,963; Dec. 4.
- Borgerd, William F., and C. A. Uherek, Chicago, Ill., assignors to International Harvester Company. Circuit breaker. 1,992,463; Nov. 27.
- Borggreve, Jacob. (See Roelofs, G., and Borggreve.)
- Borglin, Joseph N. (See Kennedy, G. F., and Borglin.)
- Borglin, Joseph N., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,959,564; May 22.
- Borgwardt, Erich. (See Schoeller, W., Schwenk, and Borgwardt.)
- Borgwardt, Erich. (See Schoeller, W., Schwenk, Borgwardt, and Aichner.)
- Borgwardt, Erich. (See Schwenk, E., and Borgwardt.)
- Boring, Clarence H., assignor of one-half to Firmen Lambert, New Straitsville, Ohio. Flow valve for oil wells. 1,941,851; Jan. 2.
- Boriski, Martin. (See Miller, S. J., and Boriski.)
- Borloz, Leopold C. (See Schultz, R. H., Siebert, and Borloz.)
- Born, Esther F., executrix. (See Baum, Frank G., assignor.)
- Born, Fritz, Berlin-Tempelhof, Germany, assignor to General Electric Company. Electric lamp. 1,947,243; Feb. 13.
- Born, Sidney, Tulsa, Okla. Dry cleaning composition. 1,944,859; Jan. 23.

- Bornand, Emilian, and H. A. Schlaepfer, Geneva, Switzerland. Metal heater. 1,971,025; Aug. 21.
- Borneman, George, Millville, N. J. Funnel guide and making it. 1,948,560; Feb. 27.
- Börner, Karl, and E. Rosner, Premnitz, and H. Mahn and W. Irion, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Copper-ammonia-fibroin solutions. 1,955,221; Apr. 17.
- Bornhauser, Oscar, Strasbourg (Bas-Rhin), assignor to Société d'Electrochimie d'Electrometallurgie, et des Acieries Electriques d'Ugine, Paris, France. Electroplating of articles with chromium. 1,985,308; Dec. 25.
- Bornheim, Henry, Everett, assignor to D. Gilman, Malden, Mass. Damper. 1,972,677; Sept. 4.
- Bornmann, Carl. (See Lessler, L. W., and Bornmann.)
- Bornmann, Carl, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic copying apparatus. 1,955,170; Apr. 17.
- Borradaile, Taylor A., assignor to Alkaline Earths Company, Charleston, W. Va. Making ammonium chloride and calcium sulphate. 1,957,344; May 1.
- Borradaile, Taylor A., assignor to Alkaline Earths Company, Charleston, W. Va. Separation of magnesium chloride from calcium chloride. 1,968,737; July 31.
- Borresen, Nico, Los Angeles, Calif. Thermostat. 1,975,190; Oct. 2.
- Borrmann, Henry, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,968,001; July 24.
- Borrmann, Henry, assignor to Intertype Corporation, Brooklyn, N. Y. Spaceband storage means for typographical machines. 1,978,379; Oct. 23.
- Borroughs, Joseph N., Oakland, Calif. Towel indicator for towel cabinets. 1,985,228; Dec. 25.
- Borst, Andrew J., jr., Buffalo, N. Y. Shackle shock absorber for automobiles. 1,971,676; Aug. 28.
- Borst, Walter J., assignor to Deere & Company, Moline, Ill. Stop watch control mechanism. 1,951,391; Mar. 20.
- Borthwick, William T., Fairfield, Va. Collapsible tube closure. 1,964,104; June 26.
- Borton, Alwyn E., South Orange, assignor to Associated Manufacturers, Inc., Ampere, N. J. Stock straightener. 1,950,655; Mar. 13.
- Borton, Alwyn E., South Orange, assignor, by mesne assignments, to Associated Patentees, Inc., Ampere, N. J. Strip feed. 1,959,853; May 22.
- Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Crushing machinery. 1,948,504; Feb. 27.
- Boruff, Earl R., Detroit, Mich. Serval drier. 1,984,821; Dec. 18.
- Bory, Georges H. L. G., Paris, France. Thermostatic detector. 1,972,257; Sept. 4.
- Boscardin, John M., Canaan, Conn. Container. 1,976,917; Oct. 16.
- Bosch, Charles H., assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Ladder. 1,953,390; Apr. 3.
- Bosch, Fritz, Pforzheim, Germany. Case for watches, instruments, and the like. 1,957,157; May 1.
- Bosch, Robert, Aktiengesellschaft. (See Allendorf, Fritz, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Baur, Ottmar, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Baur, O., and Weber, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Callsen, A., and Klemm, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Hurst, Max, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Kazenmaier, August, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Kratz, Franz, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Lieb, G., and Meier, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Menzel, F., and Dobler, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Möhrle, Artur, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Rassbach, E. C., and Baur, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Rehm, A., Dorn, and Lang, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Schmid, A., Klein, Mattes, and Callsen, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Schweizer, Karl, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Stockmeyer, Friedrich W., assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Walther, Wilhelm, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Walther, W., and Bischoff, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Walther, W., and Grob, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Werner, Gustav, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Werner, G., and Kleinert, assignors.)
- Boschian, Erminio, et al. (See Basso, Giovanni, assignor.)
- Bosco, Adalgiso, Genoa, Italy. Phonographic apparatus and phonographic record. 1,952,359; Mar. 27.
- Bosdan, James J., Newton, Mass. Embossing machine. 1,972,547; Sept. 4.
- Boshkoff, George J., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Producing oxygen of high purity. 1,985,763; Dec. 25.
- Bosing, Ernest A., Long Beach, Calif., assignor to Buffalo Electro Chemical Co., Inc., Buffalo, N. Y. Treating hydrocarbons. 1,951,324; Mar. 13.
- Bosler, True L., San Diego, Calif. Cartridge reloader. 1,979,603; Nov. 6.
- Bosque, Jose V., Habana, Cuba. Trunk. 1,954,913; Apr. 17.
- Boss, Elvis M., Brownstown, Ind. Protected filling device. 1,982,568; Nov. 27.
- Boss, Sidney H., Aldwyth, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Dry stack condenser. 1,952,580; Mar. 27.
- Bossard, Gisbert L., assignor to General Kontrolar Company, Inc., Dayton, Ohio. Chime. 1,960,079; May 22.
- Bosse, Rudolf, assignor to the firm Edler & Kirsche, Hanover, Germany. Card register with the cards arranged in echelons in horizontal direction. 1,975,566; Oct. 2.
- Bosselman, Rudolph L., New York, N. Y. Button. Des. 92,159; May 8.
- Bossemeyer, William J., Detroit, Mich. Automobile top and its construction. 1,979,853; Nov. 6.
- Bosshard, John J. (See Attick, P. E., and Bosshard.)
- Bossini, Raoul F. (See Maiuri, G., and Bossini.)
- Bössner, Franz, and C. Marischka, Vienna, Austria. Production of gases poor in carbon monoxide. 1,985,441; Dec. 25.
- Bosso, Valentino, N. Silvestrini, and F. Sacchi, Torino, Italy, assignors to Guido Botta, Paris, France. Production of materials, decorative articles, and protecting linings or the like, by the transformation of fibrous cellulose materials. 1,970,273; Aug. 14.
- Bost, Paul, Berlin-Lichtenberg, Germany. Obtaining fibers fit to be spun from muscular flesh. 1,956,058; Apr. 24.
- Bost, William D., assignor to Orange-Crush Company, Chicago, Ill. Beverage cooler. Des. 93,266; Sept. 11.
- Bost, William D., assignor to Orange-Crush Company, Chicago, Ill. Faucet. Des. 94,016; Dec. 11.
- Bost, William D., assignor to Orange-Crush Company, Chicago, Ill. Beverage cooling apparatus. 1,965,877; July 10.
- Bostain, James C. (See Seitz, C. A., and Bostain.)
- Boster, Owen. (See Smith, Coleman G., assignor.)
- Boston Blacking & Chemical Co. (See Bacon, Frederick S., assignor.)
- Boston Blacking & Chemical Co. (See Bacon, F. S., and Wedger, assignors.)
- Boston Blacking & Chemical Co. (See Calnan, Thomas A., assignor.)
- Boston Blacking & Chemical Co. (See Moyer, Charles L., assignor.)
- Boston Blacking Chemical Co. (See Wedger, Walter H., assignor.)
- Boston Gear Works, Inc. (See Tougas, E. E., and Schumb, assignors.)
- Boston Machine Works Company. (See Osgood, Walter P., assignor.)
- Boston Wire Stitcher Company. (See Allen, Howard G., assignor.)
- Boston Wire Stitcher Company. (See Bliss, Fred R., assignor.)
- Boston Wire Stitcher Company. (See Bliss, H. R., and Allen.)
- Boston Wire Stitcher Company. (See Cavanagh, John F., assignor.)
- Boston Wire Stitcher Company. (See Harred, George H., assignor.)
- Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
- Boston Wire Stitcher Company. (See McClure, Harry T., assignor.)
- Boston Wire Stitcher Company. (See Metcalf, Irving R., assignor.)
- Boston Woven Hose & Rubber Company. (See Bierer, J. M., and Knowland, assignors.)
- Boston Woven Hose & Rubber Company. (See Knowland, Thomas M., assignor.)
- Boston Woven Hose & Rubber Company. (See Patterson, James M., assignor.)
- Bostwick, Henry C., assignor to The Akron Standard Mold Company, Akron, Ohio. Reeling device. 1,952,904; Mar. 27.
- Bostwick, Henry C., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire machine bead setter. 1,952,905; Mar. 27.
- Bostwick, Henry C., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire machine strip-feeding apparatus. 1,966,087; July 10.
- Bostwick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration transmitting device. 1,967,223; July 24.
- Bostwick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating system. 1,981,686; Nov. 20.
- Bostwick, Myron A., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network protector. 1,955,940; Apr. 24.
- Bostwick, Myron A., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phasing circuit for network protectors. 1,982,387; Nov. 27.

- Bostwick, Richard C., assignor to Bond Manufacturing Corporation, Wilmington, Del. Constructing sectional paving and like structures. 1,960,369; May 29.
- Bostwick, Richard C., assignor to Bond Manufacturing Corporation, Wilmington, Del. Expansion joint for roads, floors, and like structures. 1,974,327; Sept. 18.
- Boswau, Hans P., assignor to The North Electric Manufacturing Company, Galion, Ohio. Supervisory system. 1,948,743; Feb. 27.
- Boswell, Edmund N. (See Patton, C. S., and Boswell.)
- Boswell, Maitland C., Toronto, Ontario, Canada. Separating sulphur dioxide from gaseous mixtures. 1,972,074; Sept. 4.
- Bosworth, Edwin L., Boston, Mass. Card cutting machine. 1,954,237; Apr. 10.
- Bosworth, Frederic M., Rocky River, and H. D. Stecher, Lakewood, assignors to The Weatherhead Company, Cleveland, Ohio. Control device. 1,942,273; Jan. 2.
- Bosworth, George P., Central Falls, R. I. Strand winding machine. 1,953,641; Apr. 3.
- Bosworth, Thomas E., Providence, R. I., assignor to Universal Optical Corporation. Ophthalmic mounting. 1,953,922; Apr. 10.
- Bosworth, William H., Yonkers, assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Loading machine. 1,942,798; Jan. 9.
- Bosworth, William H., Yonkers, assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Driving connection. 1,959,777; May 22.
- Botham, Arthur R., New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Display stand. Des. 91,509; Feb. 20.
- Botham, Arthur R., New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Display stand. 1,974,735; Sept. 25.
- Bothe, Andreas, Oreland, Pa. Paper, fiber, and like plate. 1,960,407; May 29.
- Bothe, Otto, Berlin-Steglitz, Germany. Acoustic advertising device. 1,971,028; Aug. 21.
- Bothmann, Hans, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Improving the resistance to corrosion of articles made of magnesium-manganese-alloys. 1,961,330; June 5.
- Botsford, Horace C., Kansas City, Mo. Self-loading dump truck. 1,952,742; Mar. 27.
- Botta, Guido. (See Bosso, V., Silvestrini, and Sacchi, assignors.)
- Böttcher, Paul, Altona-Bahrenfeld, near Hamburg, Germany. High speed double-rotor motor. 1,983,896; Dec. 11.
- Böttger, Erich. (See Nowicki, M., and Böttger.)
- Böttger, Ernst, Dresden-Dolzchen, and M. Schertz, Dresden, Germany, assignors to The V. O. Hermann Corporation, New York, N. Y. Machine for making lollipops. 1,958,380; May 8.
- Bottker, Viggo, and T. Hansen, deceased, by M. Hansen, executrix, Seattle, Wash. Roll paper dispenser. 1,958,080; May 8.
- Bottle, Edward K., deceased, by S. J. Bottle, administratrix, Elmira, N. Y., assignor to American Sales Book Company, Limited, Record. 1,941,876; Jan. 2.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Inscribing machine. 1,965,571; July 10.
- Bottle, Harry L., and C. J. Brandt, Anderson, Ind., assignors, by mesne assignments, to G. D. Roper Corporation, Rockford, Ill. Broiler. 1,971,326; Aug. 28.
- Bottle, Sara J., administratrix. (See Bottle, Edward K.)
- Bottom, Edgar M., assignor to Fostoria Glass Company, Mountsville, W. Va. Goblet or similar article. Des. 93,380; Sept. 25.
- Bottom, Turner D., Indianapolis, Ind. Testing metals by polarization. 1,942,046; Jan. 2.
- Bottoms, Robert R., assignor to The Girdler Corporation, Louisville, Ky. Separating acidic gases. 1,964,808; July 3.
- Botts, Corliss E., Cascade, assignor of one-half to C. Clark, Elsmere, Neb. Motor hay rake. 1,981,303; Nov. 20.
- Botty, Isaiah A., New York, N. Y. Garter. Des. 92,333; May 29.
- Botz, Frank C. (See Beck, A. H., and Botz.)
- Botz, Otto C., Jefferson City, Mo. Rack. 1,955,668; Apr. 17.
- Botz, Otto C., Jefferson City, Mo. Refrigerating apparatus. 1,955,669; Apr. 17.
- Botz, Otto C., Jefferson City, Mo. Drawn and dressed poultry or fowl. 1,980,904; Nov. 13.
- Boublis, Samuel T. (See Howald, W. T., Boublis, and Harper.)
- Bouchard, Blanche E. (See Du Grenier, Francis C., assignor.)
- Bouchard, Guy C., Kalamazoo, Mich. Inclinator for airplanes. 1,948,612; Feb. 27.
- Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens strap. Des. 91,918; Apr. 10.
- Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,962,802; June 12.
- Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Machine for assembling ophthalmic mountings. 1,978,890; Oct. 30.
- Bouche, Paul P., Woonsocket, R. I. Wrench. 1,954,914; Apr. 17.
- Boucher, Albert P., Portsmouth, N. H. Shears. 1,984,358; Dec. 18.
- Boucher, Albert P., assignor of one-tenth to Samuel W. Emery, and two-fifths to Alfred B. Crossman, Portsmouth, N. H. Shears. 1,978,833; Oct. 30.
- Boucher, Charles P., Montreal, Quebec, Canada. Operating gas filled luminescent tubes. 1,950,395; Mar. 13.
- Boucher, Charles P., Montreal, Quebec, Canada. Electric luminescent tube system and apparatus. 1,950,396; Mar. 13.
- Boucher, Charles P., assignor of one-half to L. C. Mickles, Montreal, Quebec, Canada. Electrical operating device for neon and like signs. 1,950,394; Mar. 13.
- Boucher, Joseph A., jr., assignor of one-third to D. L. Mattern, Bridgeport, Conn. Air-cooled internal combustion engine. 1,966,785; July 17.
- Boucher, Marcel, Eltingville, Staten Island, assignor to V-B Clip Watch Corporation, New York, N. Y. Watch clip. 1,952,307; Mar. 27.
- Boucher, Marcel, Eltingville, Staten Island, assignor to V-B Clip Watch Corporation, New York, N. Y. Watch clip. 1,965,095; July 3.
- Boudette, Clayton M., Revere, Mass. Can opener. 1,960,525; May 29.
- Boudin, Louis, St-Gobain, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Crey, Paris, France. Obstructing the flow of molten glass. 1,960,136; May 22.
- Boudreaux, Hamilton J., assignor to A. Mead, Morgan City, La. Oyster opening apparatus. 1,974,766; Sept. 25.
- Boughton, Edward B., London, England. Brake cooling means. 1,952,967; Mar. 27.
- Boughton, Edward B., assignor of one-half to Lockheed Hydraulic Brake Company Limited, London, England. Brake. 1,966,750; July 17.
- Boughton, Harry E., Lakewood, Ohio, assignor to The Standard Sand & Machine Company, Chicago, Ill. Roll machine for preparing foundry sand. 1,948,328; Feb. 20.
- Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. Composite mica article, making the same and cementitious binder. 1,953,950; Apr. 10.
- Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. Chemical treatment of shellac. 1,953,951; Apr. 10.
- Boughton, Willis A., Cambridge, assignor to Bennett Box Co., Boston, Mass. Stiffening. 1,968,437; July 31.
- Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. Inorganic thermoplastic composition. 1,975,077; Oct. 2.
- Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. Mica products with inorganic binders. 1,975,078; Oct. 2.
- Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. General process of bonding. 1,975,079; Oct. 2.
- Boughton, Willis A., Cambridge, assignor to New England Mica Co., Waltham, Mass. Fibrous products with inorganic binders. 1,975,081; Oct. 2.
- Boughton, Willis A., Cambridge, and W. R. Mansfield, Boston, assignors to New England Mica Co., Waltham, Mass. Making molded laminated mica products with inorganic binders. 1,975,080; Oct. 2.
- Bouhuys, Aleidis G., assignor to American Enka Corporation, Enka, N. C. Treating natural and artificial fibers. 1,979,188; Oct. 30.
- Bouillon, Constant, assignor to The Hendey Machine Company, Torrington, Conn. Clutch mechanism for lathe aprons. 1,972,373; Sept. 4.
- Bouillon, Constant, assignor to The Hendey Machine Company, Torrington, Conn. Headstock for lathes. 1,979,443; Nov. 6.
- Boulanger, Anthony D., and F. P. Hubrich, Ridgefield Park, assignor to Edge-Bak Manufacturing Company, Inc., North Bergen, N. J. Blade stropper. 1,946,350; Feb. 6.
- Boulestreau, Antoine H. (See Gibson, W. T., and Boulestreau.)
- Boulton, George, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,963,071; June 19.
- Boundy, Ray H. (See Grebe, J. J., and Boundy.)
- Boundy, Ray H., and J. E. Pierce, assignors to The Dow Chemical Company, Midland, Mich. Treating deep wells. 1,963,072; June 19.
- Bour, John W., Los Angeles, Calif. Garment. 1,959,331; May 22.
- Bourdic, Jack P., East Detroit, assignor of one-half to L. E. Zink, Detroit, Mich. Lash arresting and vibration dampening means. 1,957,521; May 8.
- Bourdon, Pierre M., Paris, assignor to Michellin et Cie, Clermont-Ferrand, France. Vehicle wheel and tire. 1,948,060; Feb. 20.
- Bourdon, Pierre M., Paris, assignor to Michellin et Cie, Clermont-Ferrand, France. Vehicle wheel rim. 1,964,618; June 26.
- Bourdon, Pierre M., Paris, assignor to Michellin et Cie, Clermont-Ferrand, France. Guide flange for rail vehicles. 1,972,678; Sept. 4.
- Bourdon, Pierre M., Paris, assignor to Michellin et Cie, Clermont-Ferrand, France. Arrangement for balancing loads carried by twin tires. 1,974,009; Sept. 18.
- Bourgonnier, Claude T. F. E. (See Blancard, J. R. G. J., and Bourgonnier.)
- Bourjois, Inc. (See Douglas, Paul H., assignor.)

- Bourland, Harry B., Evansville, Ind. Suitcase. 1,944,633; Jan. 23.
- Bourne, Harry A. (See Cadden, C. C., and Bourne.)
- Bourne, Harry A., and C. C. Cadden, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Hose coupling. 1,958,125; May 8.
- Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Sound attenuating device. 1,954,516; Apr. 10.
- Bournonville, Eugene M., Jersey City, N. J. Rotary valve engine. 1,975,777; Oct. 9.
- Bourque, Aimé C., Vancouver, British Columbia, Canada. Egg carton. 1,957,755; May 8.
- Bourque, Philip, Detroit, Mich. Cooking vessel. 1,893,118; Dec. 4.
- Bourquin, M. Mitchell. (See McAlister, Jallie, assignor.)
- Bousel, Morris. (See Gilowitz, Benjamin, assignor.)
- Bouser, Fred C., Louisville, Ky., assignor to Leggett and Platt Spring Bed Manufacturing Company, Carthage, Mo. Spiral spring structure and making same. 1,971,765; Aug. 28.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Health scale. 1,943,651; Jan. 16.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Plate-fulcrum railroad track scale. 1,968,988; Aug. 7.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Infant scale. 1,979,364; Nov. 6.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Adjustable nose iron for weighing scales. 1,980,609; Nov. 13.
- Bouslog, John G., Compton, assignor to O. K. Stephens, San Gabriel, Calif. Cellar casing head flange. 1,963,046; June 12.
- Bousquet, Euclid W. (See Salzberg, P. L., and Bousquet.)
- Bousquet, Euclid W., and W. H. Tisdale, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Contact insecticide. 1,954,517; Apr. 10.
- Bouton, Edgar M., Chicago, Ill., and F. E. Lewis, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Elevator dispatching system. 1,942,236; Jan. 2.
- Bouton, Edgar M., administrator. (See Lewis, Frank E.)
- Boutton, Edwin, and H. A. Brunner, Cincinnati, Ohio. Sewing cabinet. Des. 91,387; Jan. 23.
- Bouveng, Nils, Elga, Satsjabaden, Sweden, assignor to Eastman Kodak Company, Rochester, N. Y. Miniature camera spool and winding mechanism. 1,957,426; May 8.
- Bouveng, Nils, Elga, Satsjabaden, Sweden, assignor to Eastman Kodak Company, Rochester, N. Y. Film magazine. 1,984,111; Dec. 11.
- Bouvier, Harold K., and F. Wells, La Grange, assignors to Temple Corporation, Chicago, Ill. Sound reproducing device. 1,970,038; Aug. 14.
- Bouwens, Alexander J. W., Inglewood, Calif. Electric lamp or the like. Des. 93,964; Dec. 4.
- Bouwers, Albert. (See Holst, G., and Bouwers.)
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray apparatus for crystallographic examination and like purposes. 1,944,062; Jan. 16.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube. 1,949,005; Feb. 27.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, The Netherlands. Electric discharge tube. 1,949,347; Feb. 27.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric installation. 1,949,348; Feb. 27.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray installation. 1,953,391; Apr. 3.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray installation. 1,954,612; Apr. 10.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray installation in which a compressed gas is provided between the tube and an envelope. 1,954,915; Apr. 17.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 1,970,532; Aug. 14.
- Bouwers, Albert, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Voltage multiplier. 1,974,328; Sept. 18.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Cylindrical X-ray tube. 1,974,703; Sept. 25.
- Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube. 1,977,541; Oct. 16.
- Bovard and Company. (See Gibson, Jesse G., assignor.)
- Bovard & Seyfang Manufacturing Company. (See Austin, Raymond L., assignor.)
- Bovard, Floyd G., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Expansion chamber. 1,961,331; June 5.
- Bové, Ramon, Bayside, N. Y. Hair-waving device. 1,955,405; Apr. 17.
- Bovee, Lee E. (See Shawn, G. B., and Bovee.)
- Boveri, Willi. (See Hallopeau, F., Boveri, and Gaudenzi.)
- Bow, Edmund. (See Jenks, Louis W., assignor.)
- Bowden, James G., and J. W. Norton, Millbury, assignor to The Felters Company, Boston, Mass. Felt-stretching machine. 1,974,859; Sept. 25.
- Bowder, S. F., & Company, Inc. (See Warner, Joseph R., assignor.)
- Bowdill Company, The. (See Johnson, George W., assignor.)
- Bowditch, Lawrence J., Flushing, assignor, by mesne assignments, to The Linde Air Products Company, New York, N. Y. Purifying gas material. 1,967,736; July 24.
- Bowdry, William P., jr., assignor to Dallas Foundry, Dallas, Tex. Gate valve. 1,955,222; Apr. 17.
- Bowen, Anna C., et al. (See Henry, William P., assignor.)
- Bowen, Carl R. and F., What Cheer, Iowa. Combined pulverizer and weeder. 1,952,651; Mar. 27.
- Bowen, Everette L., Barstow, Md. Load equalizing means for dual tired wheels. 1,964,105; June 26.
- Bowen, Frank. (See Bowen, Carl R. and F.)
- Bowen, George W., Lyndon, Vt. Bobbin. 1,958,126; May 8.
- Bowen, Harry J. (See Brown, J. L., and Bowen.)
- Bowen, Henry C. (See Veith, F. C., and Bowen.)
- Bowen, Herbert C., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Hydraulic brake mechanism. 1,963,114; June 19.
- Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Equalizer for hydraulic brakes. 1,969,872; Aug. 14.
- Bowen, James M., Cape May Court House, N. J., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Sled. Des. 93,267; Sept. 11.
- Bowen, James M., Cape May Court House, N. J., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Sled deck. Des. 93,268; Sept. 11.
- Bowen, John D., Lawrence, Kans. Apparel protector. 1,981,775; Nov. 20.
- Bowen, Kenneth H. (See Doman, A. E., Bowen, and Gleason.)
- Bowen, Kenneth H. (See Metcalf, H. G., and Bowen.)
- Bowen, Myron W., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 1,944,490; Jan. 23.
- Bowen, Percy P., North Tonawanda, N. Y. Screen separator. 1,961,921; June 5.
- Bowen Products Corporation. (See Doman, A. E., Bowen, and Gleason, assignors.)
- Bowen Products Corporation. (See Gleason, Frederick H., assignor.)
- Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Multigrooved pulley. 1,944,779; Jan. 23.
- Bowen, Thomas H., Louisville, Ky. Fastener for connecting high voltage conductors to insulators. 1,948,061; Feb. 20.
- Bowen, William S., Westfield, N. J. Governor. 1,944,210; Jan. 23.
- Bowen, William S., Westfield, N. J. Conditioning spray dried products and apparatus therefor. 1,946,566; Feb. 13.
- Bowen, William S., Westfield, N. J. Fluid treating device. 1,952,308; Mar. 27.
- Bower, Clyde B. (See Lindstrom, H. H., Lawrence, and Bower.)
- Bower, Edward C., et al., receivers. (See Werme, M. G., and Evans, assignors.)
- Bower, George D., Columbia Heights, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical control system. 1,956,753; May 1.
- Bower, George D., Columbia Heights, and W. H. Gille, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Solenoid. 1,978,737; Oct. 30.
- Bower, James A., assignor to The National Tile Company, Anderson, Ind. Tile width or length measuring and marking machine. 1,948,782; Feb. 27.
- Bower, Joshua. (See Dreyfus, H., Kinsella, Bower, and Taylor.)
- Bower, Ralph J. (See Merritt, D. W., and Bower.)
- Bower, Ward E., Washington, D. C. Apparatus for compensating frequency changes in piezo-electric crystals due to changes in temperature. 1,970,554; Aug. 21.
- Bower, William J., jr. (See Latham, J., and Bower, jr.)
- Bowers, Archibald C. (See Aultman, P. M., and Bowers.)
- Bowers, Augustus. (See Doane, E. E., and Bowers.)
- Bowers, Cecilia E., Washington, D. C. Doll. 1,978,337; Oct. 23.
- Bowers, Charley, assignor of five per cent to W. Saal, New York, N. Y. Electric circuit control device. 1,961,578; June 5.
- Bowers, Charley, assignor of five per cent to W. Saal, New York, N. Y. Electric light sign switch. 1,973,305; Sept. 11.
- Bowers, Claude E., Los Angeles, Calif. Switch box. 1,963,951; June 26.
- Bowers, Claude E., Los Angeles, Calif. Grate. 1,966,945; July 17.
- Bowers, Dana W., Philadelphia, Pa. Gas scrubbing. 1,979,189; Oct. 30.
- Bowers, Dana W. and E. F., Oak Lane, Philadelphia, Pa.; said E. F. Bowers assignor to said D. W. Bowers. Treating metal bearing ores. 1,972,085; Sept. 4.
- Bowers, Edward C., et al., receivers. (See King, Vernon C., assignor.)
- Bowers, Edward C., et al., receivers. (See Woodman, Frank, assignor.)

- Bowers, Edward W., Oakfield, N. Y. Lawn mower or trimmer. 1,950,472; Mar. 13.
- Bowers, Ernest F. (See Bowers, Dana W. and E. F.)
- Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,966,197; July 10.
- Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,979,728; Nov. 6.
- Bowers, Frederick M., Chester, Pa. Welder's mask. 1,944,399; Jan. 23.
- Bowers, John F., assignor to Harrisburg Pipe and Pipe Bending Company, Harrisburg, Pa. Producing cylinders. 1,948,437; Feb. 20.
- Bowers, John I., Three Rivers, Mich. Hanger rod. 1,968,807; Aug. 7.
- Bowersox, Joseph W., Berwyn, assignor, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill. Cleaning cotton sweepings. 1,980,747; Nov. 13.
- Bowie, Augustus J., San Francisco, Calif. Electric fuse. 1,954,037; Apr. 10.
- Bowie, Augustus J., San Francisco, Calif. Electric switch. 1,962,293; June 12.
- Bowker Chemical Company, The. (See Fales, John H., assignor.)
- Bowland, Andrew, Mount Lebanon, Pa. Blast-Furnace stove. 1,983,017; Dec. 4.
- Bowlen, Carlos H., assignor to I. L. Keith, Haverhill, Mass. Machine for cementing shoe uppers. 1,959,341; May 22.
- Bowles, Edward L., Wellesley Farms, Mass. Electric system. 1,957,093; May 1.
- Bowles, Edward L., Wellesley Farms, Mass. Space-current device. 1,961,192; June 5.
- Bowles, Edward L., Wellesley Farms, Mass. Space-current device. 1,983,838; Dec. 11.
- Bowles, Frank T. (See Forrest, Charles E., assignor.)
- Bowles, Hardy, and J. W. McClintock, assignors to E-Z Reach Paper Cutter Corporation, Ltd., Los Angeles, Calif. Roll paper feeder and cutter. 1,959,332; May 22.
- Bowley, Raymond E., San Anselmo, Calif. Sound reproducing apparatus. 1,970,837; Aug. 21.
- Bowling, John D., Westcliff-on-Sea, England. Apparatus for playing a new game. 1,974,860; Sept. 25.
- Bowling, Wilbur S., assignor to The Electric Furnace Company, Salem, Ohio. Heat treatment. 1,979,820; Nov. 6.
- Bowman, Charles E., Clinton, Iowa. Bread band. 1,970,487; Aug. 14.
- Bowman, Count T. (See Weigel, A. C., McIntire, and Bowman.)
- Bowman, Earle L., assignor of one-half to J. H. Spettigue, Attleboro, Mass. Fishing rod attachment. 1,964,425; June 26.
- Bowman, Henry V. (See Woolsey, C. A., and Bowman.)
- Bowman, Herbert J., South Bend, Ind. Insect electrocutor. 1,972,180; Sept. 4.
- Bowman, Ira H., trustee. (See Hillard, Henry G., assignor.)
- Bowman, John M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Dial indicator. 1,972,758; Sept. 4.
- Bowman, John M., Santa Ana, and S. Bowman, Los Angeles, Calif. Shield for agricultural implements. 1,945,514; Feb. 6.
- Bowman, Joseph E. (See Iddings, R. C., Bowman, and Wright.)
- Bowman, Joseph H., assignor to American Steel Band Company, Pittsburgh, Pa. Roofing. 1,959,610; May 22.
- Bowman, Louis G., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Combined seaming and pinking machine. 1,978,291; Oct. 23.
- Bowman-Manifold, Michael, Worpleston, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Optical slit. 1,972,287; Sept. 4.
- Bowman-Manifold, Michael, Worpleston Station, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England. Picture projecting and viewing apparatus. 1,981,922; Nov. 27.
- Bowman-Manifold, Michael, Worpleston Station, Surrey, and W. F. Tedham, Abbey Wood, London, England, assignors to Victor Talking Machine Company. Moving picture apparatus. 1,963,485; June 19.
- Bowman-Manifold, Michael, Worpleston Station, and W. F. Tedham, Abbey Wood, London, England, assignors to Victor Talking Machine Company. Photographic camera and picture projecting and viewing apparatus. 1,964,765; July 3.
- Bowman, Morris W., Memphis, Tenn. Ice cream freezer for electric ice-boxes. 1,957,522; May 8.
- Bowman, Pearl J., Bell, and W. F. Bowman, Ocean Park, Calif. Pitman connection. 1,983,655; Dec. 11.
- Bowman, Raymond W., Indianapolis, Ind. Waterproofing and bond for concrete. 1,950,444; Mar. 13.
- Bowman, Reginald G., Gary, Ind. Separating fine particles from gases. 1,959,945; May 22.
- Bowman, Samuel. (See Bowman, John M. and S.)
- Bowman, Samuel B., Zanesville, Ohio, and T. Stenhouse, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass transfer mechanism. 1,942,084; Jan. 2.
- Bowman, Samuel B., Zanesville, Ohio, and F. C. Flint, Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Method and apparatus for manufacturing glassware. 1,950,373; Nov. 13.
- Bowman, William E. (See Twigg, S. C., and Major, assignors.)
- Bowman, William F. (See Bowman, Pearl J. and W. F.)
- Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Radio volume compression system. 1,963,223; June 19.
- Bowser, F. S., & Co. Incorporated. (See Griffith, C. P., and Rennick.)
- Bowser, Percy L. (See Flammang, J., and Bowser.)
- Bowser, Percy L. (See Flammang, J., Bowser, and Ernst.)
- Bowser, S. F., & Company. (See Bond, Raymond W., assignor.)
- Bowser, S. F., & Company. (See Bond, R. W., and Renfrew, assignors.)
- Bowser, S. F., & Company. (See Carlson, Carl E., assignor.)
- Bowser, S. F., & Company. (See Renfrew, Paul B., assignor.)
- Bowser, S. F., & Company. (See Renfrew, P. B., and Hartley.)
- Bowser, S. F., & Company. (See Smith, James N.)
- Bowser, S. F., & Company, Inc. (See Blum, Hosmer L., assignor.)
- Bowser, S. F., & Company, Inc. (See Griffith, Clement P., assignor.)
- Bowser, S. F., & Company, Inc. (See Griffith, C. P., and Rennick.)
- Bowser, Sylvanus F., Fort Wayne, Ind. Display box. Des. 93,965; Dec. 4.
- Boyner, William W., and G. H. Jacobs, Kings Mills, assignors to The Peters Cartridge Company, Cincinnati, Ohio. External lubricant for ammunition. 1,953,904; Apr. 3.
- Box Blank Corporation. (See Andrews, Champe S., assignor.)
- Box Blank Corporation. (See Andrews, C. S., and Tanner, assignors.)
- Box Blank Corporation. (See Kreider, Gideon R., jr., assignor.)
- Box, John V. (See Dailey, C. A., and Box.)
- Boyajian, Aram, and G. Camilli, Pittsfield, Mass., assignors to General Electric Company. Current transformer. 1,971,207; Aug. 21.
- Boyajian, Aram, and E. V. De Bliex, Pittsfield, Mass., assignors to General Electric Company. Electric valve converting system. 1,974,980; Sept. 25.
- Boyar-Shultz Corporation. (See Gideon, Victor, assignor.)
- Boyce, Charles M., Cedar Rapids, Iowa, assignor to J. R. Ditmars, New York, N. Y. Apparatus for producing and finishing prints. 1,978,405; Oct. 30.
- Boyce, Charles M., Cedar Rapids, Iowa, assignor to J. R. Ditmars, New York, N. Y. Treating surfaces of fibrous materials. 1,978,406; Oct. 30.
- Boyce, Erskine E., Gastonia, N. C. Sewing machine. 1,963,348; June 19.
- Boyce, Erskine E., Gastonia, N. C. Sewing machine. 1,963,349; June 19.
- Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Multiple needle sewing machine. 1,984,330; Dec. 11.
- Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Control mechanism for multiple needle sewing machines. 1,984,331; Dec. 11.
- Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Sewing machine. 1,984,332; Dec. 11.
- Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,947,693; Feb. 20.
- Boyce, Robert E., Chester, W. Va. Rolling pin container. Des. 91,347; Jan. 16.
- Boyd, Albert B., Lansdowne, Pa. Container closure. 1,958,466; May 15.
- Boyd, Arnold R. (See Tussaud, Gabriel P., assignor.)
- Boyd, Carl N., Los Angeles, Calif. Automatic starter. 1,985,309; Dec. 25.
- Boyd, Charles E. (See Richardson, Sidney, assignor.)
- Boyd, Charles E., and S. Richardson, Los Angeles, Calif. Orthodontia band bracket. 1,976,115; Oct. 9.
- Boyd, Danta. (See Robbins, Frank D., assignor.)
- Boyd, Edward S., Jackson, Mich. Tensioning device for covers. 1,962,730; June 12.
- Boyd, Fisher L., Haverford, assignor to National Foam System, Inc., Philadelphia, Pa. Apparatus for the extinguishment of fire. 1,956,310; Apr. 24.
- Boyd, Fisher L., assignor to National Foam System, Inc., Philadelphia, Pa. Apparatus for handling fire extinguishing materials and for producing fire extinguishing foam. 1,973,601; Sept. 11.
- Boyd, John D., Chittanooga, N. Y. Combination weight and height measuring device. 1,983,966; Dec. 11.
- Boyd, John R., Natchez, Miss. Rim construction. 1,981,776; Nov. 20.
- Boyd, Randolph, Galva, Ill. Auto bed. 1,983,119; Dec. 4.
- Boyd, Thomas B. (See Church, G. T., and Boyd.)
- Boyden, Charles, assignor to Metallizing Company of America, Inc., Los Angeles, Calif. Apparatus for fusing and spraying substances. 1,968,815; Aug. 7.
- Boyden, Roland W., et al., receivers. (See Maynard, Charles E., assignor.)
- Boydston, Verne C., assignor to Globe Binocular Corporation, Seattle, Wash. Coin controlled glass. 1,967,737; July 24.

- Boydston, Verne C., assignor to Globe Binocular Corporation, Seattle, Wash. Binocular. 1,967,738; July 24.
- Boye, James H., Chicago, Ill. Electric floor lamp. 1,962,421; June 12.
- Boye, James H., Chicago, Ill. Curtain crane support. 1,967,392; July 24.
- Boye Needle Company, The. (See Byrnes, E. P., and Davis, assignors.)
- Boye Needle Company, The. (See Carlson, Gustav A., assignor.)
- Boye Needle Company, The. (See Davis, Edward D., assignor.)
- Boyer, David A., Arnold, and W. S. Rearick, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Automatic gauge control system for rolling mills. 1,977,619; Oct. 23.
- Boyer, Harold R., Detroit, Mich. Ventilator. 1,965,171; July 3.
- Boyer, Henry, Jersey City, N. J. Display refrigerator. Des. 92,334; May 29.
- Boyer, J. Troy, Champaign, Ill. Scaffold device for use on ladders and stepladders. 1,960,863; May 29.
- Boyer, Marion W. (See Russell, R. P., and Boyer.)
- Boyers, Charles F., Hillsboro, assignor to The Champion Coated Paper Company, Hamilton, Ohio. Making filled surface paper. 1,944,835; Jan. 23.
- Boykin, Burwell, Jr., Beaumont, Tex. Brake drum for hoisting reels. 1,946,269; Feb. 6.
- Boykow, Johann M., Berlin-Lichterfelde-West, Germany. Stabilizing apparatus. 1,964,869; July 3.
- Boykow, Johann M., Berlin-Lichterfelde-West, Germany. Gyroscopic pendulum. 1,973,042; Sept. 11.
- Boylan, David W., San Francisco, Calif., H. Kramer, Tulsa, Okla., and E. Jansen, assignors to General Paint Corporation, San Francisco, Calif. Coupling for pipe-wrapping machines. 1,948,956; Feb. 27.
- Boylan, Joseph S., assignor to Continental Oil Company, Ponca City, Okla. Safety dome cover for tank cars. 1,958,693; May 15.
- Boylard, Frank M., New York, N. Y. Wall construction. 1,943,285; Jan. 16.
- Boyle, Francis, Washington, D. C. Wind indicating aeronautical searchlight beacon. 1,946,351; Feb. 6.
- Boyle, Francis W. (See Boyle, William J., assignor.)
- Boyle, James M., Darien, Conn. Carrier system. 1,972,258; Sept. 4.
- Boyle Manufacturing Company, Inc., The. (See Boyle, W. J., and Rosener, assignors.)
- Boyle Valve Company. (See Olenick, Steve E., assignor.)
- Boyle, Vernon E., Paterson, N. J. Extruding machine. 1,964,600; June 26.
- Boyle, William E., Baltimore, Md. Vise. 1,961,036; May 29.
- Boyle, William E., Madison, N. J., assignor to Spaulding Fibre Co. Inc., Tonawanda, N. Y. Abrasion resisting tube. 1,979,444; Nov. 6.
- Boyle, William J., assignor of two-fifths to F. W. Boyle, Indiana Harbor, Ind. Book stand and tray. 1,945,931; Feb. 6.
- Boyle, Willis J., Jr., Los Angeles, and L. S. Rosener, San Francisco, assignors to The Boyle Manufacturing Company, Inc., Los Angeles, Calif. Drum welding machine. 1,980,164; Nov. 13.
- Boynton, Alexander, assignor to C. A. Beatty, San Antonio, Tex. Automatic stage lift flowing device. 1,952,581; Mar. 27.
- Boynton, Alexander, assignor to C. A. Beatty, San Antonio, Tex. Flow velocity actuated flowing device. 1,957,523; May 8.
- Boynton, Alexander, assignor to Chas. A. Beatty, San Antonio, Tex. Automatic heading device. 1,968,633; July 31.
- Boynton, Arthur J. (See Bradley, W., and Boynton.)
- Boynton, Arthur J. (See Brassert, H. A., Boynton, and Grilli.)
- Boynton, Arthur J., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Operating open-hearth furnaces. 1,942,682; Jan. 9.
- Boynton, Arthur J., and P. Zimmermann, Chicago, Ill., and C. E. Hague, Cleveland, Ohio, assignors to H. A. Brassert & Company, Chicago, Ill. Proportioning pump construction. 1,964,028; June 26.
- Boynton, Frederick L., assignor to M. E. Boynton, Sycamore, Ill. Differential gearing. 1,948,095; Feb. 20.
- Boynton, Mary E. (See Boynton, Frederick L., assignor.)
- Boynton, Stanley E., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Nailing machine. 1,967,282; July 24.
- Boysell Company, The. (See Boyce, Erskine E., assignor.)
- Boysell Company, The. (See Stewart, Walter C., assignor.)
- Boysen, George D., Philadelphia, Pa., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 91,754; Mar. 20.
- Bozarth, John M., Quincy, Ill. Folding chair. 1,949,951; Mar. 6.
- Bozel-Maletra Société Industrielle de Produits Chimiques. (See Demant, Jules E., assignor.)
- Bozzarzo, Ralph, assignor to J. F. Starr, New York, N. Y. Spark plug. 1,968,735; July 31.
- Braam, Harold S., Chicago, Ill. Duplicating machine. 1,968,738; July 31.
- Brace, Kemper P., assignor of one-half to W. J. Binkley, Chicago, Ill. Dew point control device. 1,960,658; May 29.
- Brace, Russell Lyle. (See Stroud, P. C., and Brace.)
- Bracewell, Henry. (See Brunet, R. L., Bracewell, and Jenckes.)
- Bracewell, Russell S., South Hadley, Mass. Apparatus for coating paper or the like. 1,946,831; Feb. 13.
- Bracewell, Russell S., South Hadley, assignor to The Marvelum Company, Holyoke, Mass. Apparatus for decorating webs of material such as paper, cloth, and the like. 1,968,279; July 31.
- Brach, E. J., & Sons. (See Brach, Frank V., assignor.)
- Brach, E. J., & Sons. (See Hutchinson, Joseph M., assignor.)
- Brach, Frank V., assignor to E. J. Brach & Sons, Chicago, Ill. Candy display table. Des. 93,269; Sept. 11.
- Brach, Leon S. (See Brown, W. E., and Brach.)
- Brach, Leon S., East Orange, N. J. Lightning arrester. 1,947,967; Feb. 20.
- Brach, Leon S., East Orange, N. J. Preventing radio interference from neon signs. 1,960,408; May 29.
- Brach, Leon S., East Orange, N. J. Obtaining ice-blocks from an automatic type refrigerator. 1,980,571; Nov. 13.
- Brach, Leon S., East Orange, N. J. Illuminating switch-handles. 1,985,276; Dec. 25.
- Bracht, John C., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Reciprocating well pump. 1,966,917; July 17.
- Bracke, Robert F., Chicago, assignor, by mesne assignments, to L. A. Williams, Evanston, and C. C. Bradbury, Glencoe, Ill. Carburetor. 1,942,199; Jan. 2.
- Bracke, Robert F., Chicago, assignor, by mesne assignments, to L. A. Williams, Evanston, and C. C. Bradbury, successor, trustees, Glencoe, Ill. Internal-combustion engine. 1,951,858; Mar. 20.
- Brackenbury, Aloysius G., King's Cross, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake cylinder. 1,964,029; June 26.
- Brackett, Clare L., assignor to National Machine Products Company, Detroit, Mich. Handling mechanism for washers. 1,958,179; May 8.
- Brackett, Clare L., assignor to National Machine Products Company, Detroit, Mich. Coupling mechanism for washers and headed fasteners. 1,958,180; May 8.
- Brackett, Francis W., Colchester, England. Screening and filtering apparatus. 1,967,050; July 17.
- Brackett, Leon E., Oakland, Calif. Circulator casing for heaters. 1,945,966; Feb. 6.
- Bradburn, Curtis E., Garden City, assignor of one-third to J. L. Rogers, one-third to C. F. Spidell, Abilene, one-sixth to P. A. Skinner, and one-sixth to G. W. Finnup, Garden City, Kans. Air conditioning apparatus. 1,951,270; Mar. 13.
- Bradbury, Clifford C., et al. (See Bracke, Robert F., assignor.)
- Bradbury, Clifford C., et al. (See Stokes, Charles L., assignor.)
- Bradbury, Clifford C., Glencoe, assignor, by mesne assignments, of one-third to L. J. Gordon, Chicago, Ill. Safety razor. 1,947,244; Feb. 13.
- Bradbury, Clifford C., Glencoe, assignor to Alemite Corporation, Chicago, Ill. Centralized lubricating apparatus. 1,950,134; Mar. 6.
- Bradbury, Edward L., assignor to Gilliland Brothers, Inc., Port Jervis, N. Y. Lighting fixture bowl. Des. 92,286; May 22.
- Bradbury, John F., Marysville, Mich. Folding table. 1,941,927; Jan. 2.
- Bradbury, John H. (See Russell, F. C., and Bradbury.)
- Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oil-burning heater. Des. 91,312; Jan. 9.
- Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas range. Des. 92,577; June 26.
- Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Door pull or similar article. Des. 92,940; Aug. 7.
- Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Liquid fuel cook stove. Des. 93,812; Nov. 13.
- Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas range. Des. 94,017; Dec. 11.
- Braddon, Fred D., Eltingville, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector for tubular conductors. 1,985,277; Dec. 25.
- Braddon, Fred D., Eltingville, Staten Island, and F. H. Shepard, Jr., New Rochelle, assignors to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector for tubular conductors. 1,946,189; Feb. 6.
- Braden, Daniel G., Staunton, Va. Lathe center. 1,967,004; July 17.
- Braden, Rene A., New York, N. Y., assignor to Radio Corporation of America. Band pass amplifier. 1,943,416; Jan. 16.
- Braden, Rene A., Merchantville, N. J., assignor to Radio Corporation of America. Convertible band pass receiver. 1,944,119; Jan. 16.
- Braden, Rene A., assignor to Radio Corporation of America, Merchantville, N. J. Convertible band pass amplifier coupling. 1,944,120; Jan. 16.

- Braden, Rene A., Merchantville, N. J., assignor to Radio Corporation of America. Pentode output circuits. 1,947,184; Feb. 13.
- Braden, Rene A., Merchantville, N. J., assignor to Radio Corporation of America. Automatic voltage regulator. 1,954,784; Apr. 17.
- Bradford, Ada G., West Los Angeles, Calif. Dial telephone attachment. 1,971,519; Aug. 28.
- Bradford, Andrew O., Saltillo, Mexico. Seal. 1,977,301; Oct. 16.
- Bradford, Edward S., jr., Longmeadow, assignor to Springfield Wire & Tinsel Co., West Springfield, Mass. Material for scouring devices. 1,941,923; Jan. 2.
- Bradford, Floyd B., St. Louis, Mo., assignor, by mesne assignments, to The Gabriel Kari-Keen Company. Tire carrier for extension trunks. 1,974,599; Sept. 25.
- Bradford, Frederick H. (See Cook, R. V., and Bradford.)
- Bradford, Harry C., assignor to Rex Paper Company, Kalamazoo, Mich. Grapple. 1,969,873; Aug. 14.
- Bradford, Jesse D., Edgewood, and W. S. McAleer, Bellevue, Pa., assignors to The Koppers Company of Delaware. Material sampling system. 1,944,963; Jan. 30.
- Bradford Supply Company. (See Gibson, Jesse G., assignor.)
- Bradford, Zerbe C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Centrifugal switch. 1,979,445; Nov. 6.
- Brading, Harry M., Evansville, Ind. Golf club. 1,980,031; Nov. 6.
- Bradka Holding Corporation. (See Brady, Jessica M., assignor.)
- Bradley, Albert F., assignor to Northwestern Barb Wire Company, Sterling, Ill. Bale tie. 1,980,661; Nov. 13.
- Bradley, C. E., Corporation. (See Riddel, William J., assignor.)
- Bradley, Carl C., and L. E. Thatcher, Tampa, Fla. Free-wheeling device. 1,950,656; Mar. 13.
- Bradley, Caton, Chicago, Ill. Electrical system. 1,961,841; June 5.
- Bradley, Claude A., assignor of one-half to O. J. Johnson, Klamath Falls, Oreg. Milk bottle holder. 1,967,112; July 17.
- Bradley, Constantine, Nashville, Tenn. Pneumatic inner tube. 1,979,249; Nov. 6.
- Bradley, Edgar, Omaha, Nebr. Electrical socket construction. 1,958,782; May 15.
- Bradley, Eric H. (See Hanna, J. P., and Bradley.)
- Bradley, F. W. (See Mobley, William R., assignor.)
- Bradley-Fitch Company. (See Bradley, Wilson, assignor.)
- Bradley-Fitch Company. (See Bradley, W., and Boynton, assignors.)
- Bradley, Frederick H., Flint, Mich. Radio receiver. 1,951,542; Mar. 20.
- Bradley, Herold. (See Ciriacy, E., and Bradley.)
- Bradley, Howard W., and P. H. Long, assignors to The American Rolling Mill Company, Middletown, Ohio. Roll polishing mechanism. 1,946,927; Feb. 13.
- Bradley & Hubbard Mfg. Co., The. (See Hirschfeld, A. P., and Tuckerman, assignors.)
- Bradley, John H., Philadelphia, Pa. Bed. 1,973,699; Sept. 18.
- Bradley, John R., Bellevue, and L. R. Christie, assignors to Duff Patents Company, Inc., Pittsburgh, Pa. Press. 1,975,249; Oct. 2.
- Bradley, Linn, Montclair, N. J., and E. P. McKee, Plattsburgh, assignors to Bradley-McKee Corporation, New York, N. Y. Production of pulp, etc. 1,973,557; Sept. 11.
- Bradley, Linn, Montclair, N. J., and E. P. McKee, assignors to Bradley-McKee Corporation, New York, N. Y. Production of pulp and treatment of residual liquors, etc. 1,983,789; Dec. 11.
- Bradley, Lynde, assignor to Allen-Bradley Company, Milwaukee, Wis. Forming resistor units. 1,976,918; Oct. 16.
- Bradley-McKee Corporation. (See Bradley, L., and McKee, assignors.)
- Bradley, Merrill, Detroit, Mich. Universal joint. 1,980,846; Nov. 13.
- Bradley, Merrill I., Detroit, Mich. Universal joint. 1,985,273; Dec. 25.
- Bradley Pulverizer Company. (See Gibson, William A., assignor.)
- Bradley, Richard C., assignor of one-half to F. D. Farnum, Chicago, Ill. Valve. 1,963,518; June 19.
- Bradley, Theodore F., Westfield, assignor to Ellis-Foster Company, Montclair, N. J. Nitrocellulose coating composition containing an acid body. 1,946,479; Feb. 13.
- Bradley, Theodore F., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Long chain esters and compositions thereof. 1,951,593; Mar. 20.
- Bradley, Theodore F., Westfield, assignor to Ellis-Foster Company, Montclair, N. J. Resinous complexes and producing same. 1,952,412; Mar. 27.
- Bradley, Theodore F., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Resinous composition and applying same. 1,953,583; Apr. 3.
- Bradley, Theodore F., Westfield, assignor to Ellis-Foster Company, Montclair, N. J. Resinous product and making same. 1,956,559; May 1.
- Bradley Washfountain Company. (See Mullett, H. A., and Heine, assignors.)
- Bradley, William J., New York, N. Y. Electric insect exterminator. 1,962,420; June 12.
- Bradley, Wilson, Deerwood, assignor to Bradley-Fitch Company, Duluth, Minn. Winning manganese values. 1,947,457; Feb. 20.
- Bradley, Wilson, Deerwood, assignor to Bradley-Fitch Company, Duluth, Minn. Recovering manganese values. 1,951,341; Mar. 20.
- Bradley, Wilson, Deerwood, Minn., and A. J. Boynton, Chicago, Ill., assignors to Bradley-Fitch Company, Duluth, Minn. Gaseous reduction of metal oxides. 1,951,342; Mar. 20.
- Bradner, Donald B., Oxford, assignor to The Champion Coated Paper Company, Hamilton, Ohio. Web tensioning apparatus. 1,949,237; Feb. 27.
- Bradshaw & Company. (See Bradshaw, Grant D., assignor.)
- Bradshaw, Grant D., Beaver, assignor to Bradshaw & Company, Pittsburgh, Pa. Feeding water to boilers. 1,962,131; June 12.
- Bradshaw, Grant D., Beaver, assignor to Bradshaw & Company, Pittsburgh, Pa. Rotary pump. 1,972,864; Sept. 11.
- Bradshaw, Grant D., Beaver, assignor to Bradshaw & Company, Pittsburgh, Pa. Valve. 1,970,374; Nov. 13.
- Bradshaw, Hamilton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organo metallic protective agent. 1,962,132; June 12.
- Bradshaw, Leland D., March Field, Calif. Bomb releasing device. 1,980,375; Nov. 13.
- Bradshaw, Lou, executrix. (See Davis, Donald C., assignor.)
- Bradshaw, William M., Walter G. Mylius, Summit, and B. G. La Bar, Union, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Universal detachable watt-hour meter mounting. 1,969,499; Aug. 7.
- Bradspeed Corporation. (See Frost, Myron O., assignor.)
- Bradspeed Corporation. (See Frost, M. O., and Mattler, assignors.)
- Bradstreet, George D., Thomaston, Conn. Spring suspension for motor vehicles. 1,979,821; Nov. 6.
- Bradt, Charles H. (See Barrett, G. J., and Bradt.)
- Bradt, Merritt B. (See Schneider, E. J., and Bradt.)
- Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating machine. 1,983,517; Dec. 11.
- Brady, Adele S., administratrix. (See Brady, E. J., and Hall.)
- Brady, Adele S., administratrix. (See Hall, E. L., and Brady.)
- Brady, Adele S., administratrix. (See Hall, E. L., Perry, and Brady.)
- Brady, Adele S., administratrix. (See Perry, J. A., and Brady.)
- Brady, Edward J. (See Hall, E. L., and Brady.)
- Brady, Edward J. (See Hall, E. L., Perry, and Brady.)
- Brady, Edward J. (See Perry, J. A., and Brady.)
- Brady, Edward J., deceased, Lansdowne, A. S. Brady, administratrix, and E. L. Hall, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas burner control. 1,983,213; Dec. 4.
- Brady, Edward J., Swarthmore, and J. B. Claffey, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas pilot light. 1,956,268; Apr. 24.
- Brady Electric and Manufacturing Company, The. (See Brady, George W., assignor.)
- Brady, Francis E., jr., assignor, by mesne assignments, to Richmond Turbine Pump Co., Inc., Richmond, Ind. Centrifugal pump. 1,972,548; Sept. 4.
- Brady, George H., assignor to Improved Fire Detector Corporation, Baltimore, Md. Thermostatic circuit closer. 1,972,975; Sept. 11.
- Brady, George W., assignor to The Brady Electric and Manufacturing Company, New Britain, Conn. Street light unit or head. 1,967,702; July 24.
- Brady, Hugh S., Wheeling, I. H. Freese, Clarksburg, W. Va., and H. R. Eccleston, Washington, D. C., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Pneumatic glass feeder. 1,959,811; May 22.
- Brady, Jack B., San Diego, Calif. Rotary engine. 1,970,594; Aug. 21.
- Brady, Jessica M., Yorktown, assignor to Bradka Holding Corporation, Rye, N. Y. Traveling bag. 1,980,714; Nov. 13.
- Brady, John B. (See Applegate, Lundsay M., assignor.)
- Brady, John B. (See Mueller, Richard P., assignor.)
- Braeg, Herman E., St. Mary's College, assignor to St. Mary's College, Oakland, Calif. Drawing material. Re19,060; Jan. 23.
- Braeg, Herman E., assignor to St. Mary's College, Oakland, Calif. Combined natural color kit and chart. 1,957,816; May 8.
- Bragg, Caleb S., Palm Beach, Fla. Brake drum. 1,969,775; Aug. 14.
- Bragg, Caleb S., Palm Beach, Fla. Production of brake drums provided with friction linings. 1,973,043; Sept. 11.
- Bragg, Caleb S., Palm Beach, Fla. Brake drum. 1,978,563; Oct. 30.
- Bragg, Caleb S., Palm Beach, Fla. Brake drum. 1,978,564; Oct. 30.
- Bragg, Caleb S., Palm Beach, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Steering mechanism. 1,952,034; Mar. 20.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Klesrath, Port Washington, assignors to Bragg-Klesrath Corporation, Long Island City, N. Y. Vacuum brake system for automotive vehicles. 1,945,515; Feb. 6.

- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Vacuum brake system for automotive vehicles. 1,946,127; Feb. 6.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,947,895; Feb. 20.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism. 1,954,520; Apr. 10.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,958,415; May 15.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,978,738; Oct. 30.
- Bragg, Gilbert A., deceased, by Fidelity Trust Company, executor, assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Treatment of Gas. 1,983,338; Dec. 4.
- Bragg, John H., Washington, D. C. Method and apparatus for increasing the vitamin content of liquid foods. 1,954,065; Apr. 10.
- Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
- Bragg-Kliesrath Corporation. (See Brush, Alanson P., assignor.)
- Bragg-Kliesrath Corporation. (See Eaton, Wilfred A., assignor.)
- Bragg-Kliesrath Corporation. (See Sanford, Roy S., assignor.)
- Brager, William J., assignor to Olde Homestead Products Co., Ltd., Los Angeles, Calif. Joint for dispensing apparatus. 1,955,271; Apr. 17.
- Braid, Arthur F., Scarsdale, N. Y. High speed steel. 1,955,529; Apr. 17.
- Braillard, Raymond, and J. Marique, Uccle, Belgium. Direct-reading radio-compass. 1,947,326; Feb. 13.
- Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company. Bolt cap. 1,947,639; Feb. 20.
- Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company. Closet bowl and flushing same. 1,966,786; July 17.
- Brainard, Forest J., Elizabeth City, N. C. Fruit basket. 1,963,433; June 19.
- Brainard, Horace B., Thompsonville, Conn. Producing pile fabric. 1,985,141; Dec. 18.
- Brainard, Maurice W., Los Angeles, Calif., and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 1,963,643; June 19.
- Brainard Steel Corporation. (See Jakoubek, Frank J., assignor.)
- Brainard, Kenneth A., Santa Monica, Calif. Vehicle. 1,982,853; Dec. 4.
- Brainerd, Kenneth, assignor to The Brainerd Manufacturing Co., East Rochester, N. Y. Door-latch. 1,943,946; Jan. 16.
- Brainerd Manufacturing Co., The. (See Brainerd, Kenneth, assignor.)
- Brake Furniture Factories, Inc. (See Millington, William, assignor.)
- Braker, William. (See Christiansen, W. G., and Braker.)
- Braker, William. (See Jones, W. S., and Braker.)
- Braman, Verne T., Long Island City, N. Y., assignor to Radio Corporation of America. Multivibrator control. 1,976,384; Oct. 9.
- Bramley Engineering Co. Limited. (See Fitton, W. H., and Elliott, assignors.)
- Bramming, Carl. (See DeFoe, E. G., and Bramming.)
- Bramsen, Svend, assignor to Binks Manufacturing Company, Chicago, Ill. Pressure-cup for spray appliances. 1,944,920; Jan. 30.
- Bramsen, Svend, assignor to Binks Manufacturing Company, Chicago, Ill. Spray gun with locked controls. 1,950,779; Mar. 13.
- Bramsen, Svend, assignor to Binks Manufacturing Co., Chicago, Ill. Pneumatically controlled spray appliance. 1,960,724; May 29.
- Bramsen, Svend, and F. Wahlen, assignors to Binks Manufacturing Company, Chicago, Ill. Pipe spraying appliance. 1,960,725; May 29.
- Bramwell, Ivor L., assignor to one-half to The Birtley Company Limited, Birtley, England. Apparatus for separation of dry materials. 1,956,459; Apr. 24.
- Branam, Elsworth, Milan, Mich. Submersion water heater. 1,956,915; May 1.
- Branca, Agostino, Harrisburg, Pa. Shoe heel. 1,985,651; Dec. 25.
- Brancart, Yvon, Ronquiere, Belgium. Glass rolling means. 1,963,486; June 19.
- Branch, Benjamin A., Rockport, and F. J. Fella, Chrisney, Ind. Automobile signal. 1,967,463; July 24.
- Branch, James R., Los Angeles, Calif. Oil well plug. 1,974,172; Sept. 18.
- Branche, Nelson T. (See Beam, V. O., and Branche.)
- Branchen, Leonard E., Rochester, N. Y., assignor to one-half to Carbide & Carbon Chemicals Corporation, and one-half to Eastman Kodak Company. Recovery process. 1,964,191; June 26.
- Branchu, Paul J. (See Gerin, G., Branchu, and Teszner.)
- Brand, Hans B., Munich, Germany. Apparatus for producing films which on being exhibited show stereoscopic cinematographic pictures. 1,950,473; Mar. 13.
- Brand, Harry R. (See Fausel, Charles A., assignor.)
- Brand, Harry R., New York, N. Y. Heating apparatus for griddles. 1,984,782; Dec. 18.
- Brand, James C., Lincoln, Nebr. Spark plug. 1,977,038; Oct. 16.
- Brand, Leo, New York, N. Y. Smokehouse construction. 1,950,292; Mar. 6.
- Brand, Leo, New York, N. Y. Smokehouse. 1,952,968; Mar. 27.
- Brand, Norman A., assignor to Armstrong Cork Company, Lancaster, Pa. Building unit. 1,979,206; Oct. 30.
- Brand, Norman A., assignor to Armstrong Cork Company, Lancaster, Pa. Wall board. 1,983,532; Dec. 11.
- Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,946,469; Feb. 13.
- Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,963,733; June 19.
- Brandegge, Morris M., Plainfield, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Process and apparatus for carbonizing solid fuel. 1,953,040; Mar. 27.
- Brandel, Orrin A. (See Blood, H. E., and Brandel.)
- Brandenberger, Carl F., Fort Madison, Iowa. Pump. 1,957,007; May 1.
- Brandenberger, Jacques E., Neuilly-sur-Seine, France, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Production sheets or films of regenerated cellulose. 1,983,529; Dec. 11.
- Brandenberger, Jacques E., Neuilly-sur-Seine, France, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Tissue for cigarettes. 1,983,530; Dec. 11.
- Brandenberger, Jacques E., Neuilly-sur-Seine, and C. V. E. Duplessis, Courbevoie, France, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Manufacture of sheets or films of regenerated cellulose. 1,983,531; Dec. 11.
- Brandenburg, Oscar R., Milwaukee, Wis. Dental wax spatula. 1,966,374; July 10.
- Brandenburger, Herbert J., St. Louis, Mo., assignor to Crouse-Hinds Company, Syracuse, N. Y. Cycle timer for controlling work circuits. 1,973,603; Sept. 11.
- Brandenburger, Leo. (See Schleicher, M., Brandenburger, and Eichler.)
- Brandenburger, Leo, Berlin-Halensee, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Switch position indicator. 1,948,254; Feb. 20.
- Brandenburger, Leo, Berlin-Halensee, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Remote control plant. 1,983,339; Dec. 4.
- Brandenberger, Oskar, Zurich, Switzerland. Welding rod of copper. 1,985,142; Dec. 18.
- Brandl, Lillian, executrix. (See Brandl, Robert B., assignor.)
- Brandl, Robert B., deceased, St. Paul, Minn., Lillian Brandl, executrix. Sheet metal joint. 1,957,933; May 8.
- Brandon, Arthur H., Los Angeles, Calif. Faucet adapter. 1,946,832; Feb. 13.
- Brandon, George E., Ironton, Ohio, assignor to The Barrett Company, New York, N. Y. Distillation of tar and recovery of products therefrom. 1,958,416; May 15.
- Brandstetter, Josef. (See Kochler, Paul A., assignor.)
- Brandstetter, Josef, Chicago, Ill. Post for garbage receptacles. 1,961,922; June 5.
- Brandt, Alfred L. (See Wiley, R. R., and Brandt.)
- Brandt, Andrew G., New Haven, Conn. Popgun. 1,956,189; Apr. 24.
- Brandt Automatic Cashier Company. (See Brandt, Edward J., assignor.)
- Brandt, Carl A., Great Neck, assignor to The Superheater Company, New York, N. Y. Making return bends. 1,957,524; May 8.
- Brandt, Charles J. (See Bottle, H. L., and Brandt.)
- Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Treating oils. 1,985,440; Dec. 25.
- Brandt, Edgar W., Paris, France. Percussion fuse of high sensitivity. 1,944,780; Jan. 23.
- Brandt, Edgar W., Paris, France. Projectile. 1,973,604; Sept. 11.
- Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Money handling machine. 1,944,313; Jan. 23.
- Brandt, Fokko, Kansas City, Mo. Rod or pipe clamp. 1,981,304; Nov. 20.
- Brandt, Francis L., Wakefield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and shoe bottom unit. 1,944,314; Jan. 23.
- Brandt, Francis L., Wakefield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and shank piece and making the same. 1,977,906; Oct. 23.
- Brandt, Frederick D., Jr., Houston, Tex. Combined pedal and foot rest. Re19,262; Aug. 7.
- Brandt, Fritz, Biesenthal, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Fuse cartridge. 1,974,257; Sept. 18.
- Brandt, John W., Elyria, Ohio. Saddle. 1,970,533; Aug. 14.

- Brandt, Paul G., Topeka, Kans. Heating apparatus. 1,945,418; Jan. 30.
- Brandtjen and Kluge, Inc. (See Kluge, Abel and E., assignors.)
- Brandus, Ernst. (See Claus, Willi, assignor.)
- Brandus, Ernst, Berlin, Germany, assignor to N. V. Noord-West Orion Handel Maatschappij, Amsterdam, Netherlands. Treating seeds. 1,970,163; Aug. 14.
- Brandwein, A., & Co. (See Brandwein, Henry G., assignor.)
- Brandwein, Henry G., assignor to A. Brandwein & Co., Chicago, Ill. Machine for spinning helical springs. 1,952,413; Mar. 27.
- Brangs, Julius, Jr., Solingen, Germany. Scissors and manufacturing the same. 1,942,324; Jan. 2.
- Branick, Charles E., assignor to Branick Manufacturing Company, Incorporated, Fargo, N. Dak. Automatic tire spreader. 1,943,784; Jan. 16.
- Branick Manufacturing Company. (See Branick, Charles E., assignor.)
- Brann, Lester W., St. Joseph, Mich. Ironer roll pad unit. 1,973,044; Sept. 11.
- Brannan, John, Fulton, N. Y. Rectal bath. 1,957,625; May 8.
- Brannan, Lee M., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston skirt expander. 1,951,859; Mar. 20.
- Brannigan, Gladys, executrix. (See Brannigan, Robert A., assignor.)
- Brannigan, Robert A., deceased; G. Brannigan, New York, N. Y., executrix. Carburetor. 1,972,374; Sept. 4.
- Brannon, Robert D., Sulphur, La. Well pipe cutter. 1,952,652; Mar. 27.
- Brantingham, Alan, Rockford, assignor, by mesne assignments, to Faries Manufacturing Company, Decatur, Ill. Electric heater. 1,976,651; Oct. 9.
- Brantingham, Alan, Rockford, assignor, by mesne assignments, to Faries Manufacturing Company, Decatur, Ill. Electric heater. 1,976,652; Oct. 9.
- Brantingson, Sigurd, Palisades Park, N. J. Doorlatch. Des. 91,418; Jan. 30.
- Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Keil & Son, Inc. Hinge. Des. 92,335; May 29.
- Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Keil & Son, Inc. Door hinge. Des. 92,447; June 12.
- Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Keil & Son, Inc. Doorlatch. Des. 93,198; Sept. 4.
- Braren, Cornelius. (See Kimball, W. D., and Braren.)
- Braren, Cornelius I. (See Kimball, W. D., Braren, and Mosley.)
- Brasch, Arno, F. Lange, and M. Dahl, Berlin, Germany. Impulse generator. 1,957,008; May 1.
- Brasco Manufacturing Company. (See Attick, P. E., and Bosshard, assignors.)
- Braselmann, Eugen, Delle, near Breckerfeld, Germany. Cart jack with clamping plates adapted to adopt an inclined position relative to the ram. 1,962,000; June 5.
- Braselton, Chester H., New York, N. Y. Lighting and ignition system for automobiles. 1,950,445; Mar. 13.
- Braselton, Chester H., New York, N. Y. Automobile lighting system. 1,981,985; Nov. 27.
- Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Constant illumination electric lamp. 1,975,499; Oct. 2.
- Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Self-starting enclosed arc lamp. 1,980,032; Nov. 6.
- Brasic, Ferdinand L., Chicago, Ill. Air moistening device. 1,957,576; May 8.
- Brass, Emil E. (See Gardner, C. F., and Brass.)
- Brassell, Alvy R., Hazlehurst, Miss. Elevating desk for motor vehicles. 1,964,339; June 26.
- Brassert, H. A., & Company. (See Boynton, A. J., Zimmermann and Hague, assignors.)
- Brassert, H. A., & Company. (See Brassert, Herman A., assignor.)
- Brassert, H. A., & Company. (See Brassert, H. A., Boynton, and Grilli, assignors.)
- Brassert, H. A., & Company. (See Brassert, H. A., Wille, and Zimmermann, assignors.)
- Brassert, H. A., & Company. (See Grilli, John P., assignor.)
- Brassert, H. A., & Company. (See Wille, F., Hulse, and Kirk, assignors.)
- Brassert, H. A., & Company. (See Zimmermann, Paul, assignor.)
- Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Reduction of ores. 1,944,874; Jan. 30.
- Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Reduction and smelting of ores. 1,945,341; Jan. 30.
- Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for producing low carbon metals. 1,945,342; Jan. 30.
- Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Method and apparatus for the production of molten steel. 1,948,695; Feb. 27.
- Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Manufacture of metals. 1,948,697; Feb. 27.
- Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for the production of steel. 1,954,280; Apr. 10.
- Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Preparation of mixed gases and of combustion thereof. 1,972,259; Sept. 4.
- Brassert, Herman A., A. J. Boynton, and J. P. Grilli, assignors to H. A. Brassert & Company, Chicago, Ill. Apparatus for the filtration of air or gases. 1,947,447; Feb. 20.
- Brassert, Herman A., F. Wille, and P. Zimmermann, assignors to H. A. Brassert & Company, Chicago, Ill. Vertical shaft furnace. 1,948,696; Feb. 27.
- Brasseur, Edgar J., and G. J. Rice, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting apparatus. 1,970,930; Aug. 21.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Sheet feeding device. 1,964,498; June 26.
- Brasseur, Ernest J., Winnetka, assignor to A. B. Dick Company, Chicago, Ill. Apparatus for making stencil sheets. 1,964,499; June 26.
- Brass Goods Mfg. Co. (See Hyatt, Frank S., assignor.)
- Brathwaite, Frederick G., Darien, Conn. Cuff for use with sphygmomanometers. 1,970,042; Aug. 14.
- Bratton, Edward W. (See Heyroth, A. H., and Bratton.)
- Bratton, Guy G. (See Connell, James J., assignor.)
- Braucht, Frederick A., and A. B. Belgard, Chicago, Ill., assignors to Belgard-Spero, Ind. Mounting lenses. 1,970,357; Aug. 14.
- Braucht, Frederick A., and A. B. Belgard, Chicago, Ill., assignors to Belgard-Spero, Inc. Eyeglasses or spectacles. 1,971,128; Aug. 21.
- Brauer, Arthur J., and F. P. Wagner, St. Louis, Mo. Process and apparatus for forming the heel seat of a shoe. 1,947,245; Feb. 13.
- Brauer, Arthur J., and F. P. Wagner, St. Louis, Mo. Wood heel attaching machine. 1,966,483; July 17.
- Brauer, Arthur J., and F. P. Wagner, St. Louis, Mo. Process and apparatus for preparing the heel end of a sole. 1,981,899; Nov. 27.
- Brauer, Arthur J., and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Making shoes. 1,947,246; Feb. 13.
- Brauer, Arthur J., St. Louis County, and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Shoe and making same. 1,981,844; Nov. 27.
- Brauer, Arthur J., and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Shoe and making same. 1,981,900; Nov. 27.
- Brauer, Arthur J., and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Lasting gauge. 1,985,310; Dec. 25.
- Brauer, Arthur J., and F. P. Wagner, assignors to Brauer Bros., Inc., St. Louis, Mo. Manufacture of shoes. 1,985,311; Dec. 25.
- Brauer Bros., Inc. (See Brauer, A. J., and Wagner, assignors.)
- Brauer Bros. Inc. (See Wagner, Frederick P., assignor.)
- Brauer, Erich, Kelsterbach, near Frankfurt-on-the-Main, Germany, assignor to North American Rayon Corporation, New York, N. Y. Process and apparatus for the manufacture of artificial filaments. 1,980,468; Nov. 13.
- Brauer, Theodor, assignor to Gebrueder Eickhoff, Bochum, Germany. Reciprocating conveyor. 1,971,292; Aug. 21.
- Braum, Henry, Preeceville, Saskatchewan, Canada. Battery terminal clamp. 1,951,690; Mar. 20.
- Braun, C. F., & Co. (See Blennerhassett, Lawrence I., assignor.)
- Braun, Frank L., Orange, assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Electric sign. 1,961,735; June 5.
- Braun, Frederick W., Newark, and S. Sempliner, Hillside, N. J. Reflecting signal. 1,966,879; July 17.
- Braun, Frederick W., Newark, and S. Sempliner, Hillside, N. J. Reflecting signal. 1,966,880; July 17.
- Braun, Geza, New York, N. Y., assignor to P. J. Sartain, R. C. Schwoerer, Philadelphia, Pa., and R. C. Fassnacht, New York, N. Y. Fire extinguisher. 1,949,857; Mar. 6.
- Braun, Geza, New York, N. Y., assignor to P. J. Sartain, Philadelphia, Pa., R. C. Fassnacht, New York, N. Y., and R. C. Schwoerer, Philadelphia, Pa. Industrial liquid. 1,966,881; July 17.
- Braun, Gustav F. (See Langley, S. G., and Braun.)
- Braun, Harry L., Mimico, assignor to F. Clive Hatch, Whitby, Ontario, Canada. Floor waxer. 1,971,520; Aug. 28.
- Braun, Herman F. (See Slaght, W. W., and Braun.)
- Braun, Julius, Union, N. J., assignor to Abelson & Braun, Inc. Gem setting. Des. 92,287; May 22.
- Braun, Karl, Augsburg, Germany. Sliding window. 1,960,473; May 29.
- Braun, Richard, Stuttgart, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Tipped tool and working implement. 1,956,233; Apr. 24.
- Braun, William F. H., Wynnewood, assignor to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn mower. 1,960,201; May 22.
- Brauner, Fritz, Wien, Austria. Loading device specially for trucks. 1,944,063; Jan. 16.
- Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,971,596; Aug. 28.
- Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Cylinder lock. 1,979,095; Oct. 30.
- Braunsdorf, Otto. (See Eckert, W., Fischer, and Braunsdorf.)
- Braunwalder, John, Los Angeles, Calif. Internal-combustion engine. 1,945,727; Feb. 6.

- Braunworth, Percy L., East Orange, N. J. Portable solarium. 1,946,567; Feb. 13.
- Brause, Walter. (See Schulze, R., and Brause.)
- Brautigam, Erwin L., J. C. De Walt, and E. O. Misamore, Findlay, Ohio. Revolving sign. 1,956,190; Apr. 24.
- Brawn, Edgar F. (See Carey, W. F., and Brawn.)
- Brawn, Worthem E., assignor to Pejepscot Paper Company, Brunswick, Maine. Printing attachment. 1,975,681; Oct. 2.
- Bray, John L., La Fayette, Ind. Coating iron and steel. 1,948,505; Feb. 27.
- Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oil. 1,944,491; Jan. 23.
- Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Treating oil. 1,949,989; Mar. 6.
- Bray, Ulric B., Palos Verdes Estates, and C. E. Swift, Huntington Park, assignors to Union Oil Company of California, Los Angeles, Calif. Treatment of oils with aluminum. 1,948,163; Feb. 20.
- Bray, Ulric B., Los Angeles, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oil. 1,948,164; Feb. 20.
- Bray, Ulric B., Los Angeles, and R. C. Pollock and D. R. Merrill, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for the catalytic treatment of petroleum. 1,981,305; Nov. 20.
- Brazeau, Lloyd F., assignor of one-fourth to P. Palmblad and one-fourth to H. T. Bates, Portland, Oreg. Exercising ball. 1,941,877; Jan. 2.
- Brazel, Frank W., A. D. Redner, R. L. Skinner, and P. Williams, assignors to Skinner Motors, Inc., Detroit, Mich. Oil reclaimers. 1,966,484; July 17.
- Brazell, Frank C. (See Brock, H. E., and Brazell.)
- Brazy, Nick, et al. (See Knight, George W., assignor.)
- Breaden, Carroll E., Dayton, Ohio. Slicing machine. Des. 94,018; Dec. 11.
- Breaden, Carroll E., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,978,929; Oct. 30.
- Brady, Owen J., Cleveland, Ohio. Tool connection for traveling implements. 1,978,338; Oct. 23.
- Breakell, James, D. C. Thompson, and H. M. La Brie, Roanoke, Va., assignors to The Viscose Company, Marcus Hook, Pa. Skein winding machine. 1,952,969; Mar. 27.
- Breaker, Harry O., assignor to Industrial Furnace Corporation, Buffalo, N. Y. Metallurgical furnace. 1,946,270; Feb. 6.
- Breaux, Samuel L., jr., Oakland, Calif. Carrier. Des. 93,759; Nov. 6.
- Brecht, Charles W., Pittsburgh, Pa. Ice cream unit for electric refrigerators. 1,984,860; Dec. 18.
- Brecker, Henry W., et al. (See Adams, Ervin, assignor.)
- Breckon, William A. (See Wadsworth, D. W., and Breckon.)
- Brede, Martin J., Oakland, assignor, by mesne assignments, to W. M. Dunphy, Sacramento, Calif. Automatic draft regulation. 1,967,494; July 24.
- Bredenhorn, Herbert D. (See Larsen, H. M., and Bredenhorn.)
- Breder, Frederick W. (See Clark, G. H., and Yates, assignors.)
- Breder, Frederick W., Houston, Tex. Reel mount for fishing rods. 1,980,316; Nov. 13.
- Bredeson, Albert O., assignor to Super Radiator Corp., Minneapolis, Minn. Pipe coupling. 1,968,368; July 31.
- Breiding, Fred G. (See Lemm, Lester F., assignor.)
- Breed, Alfred V. (See Curtis, E. W., and Breed.)
- Breed, Carroll M., Ypsilanti, Mich. Wick oil burner. 1,966,282; July 10.
- Breer, Carl, and W. P. Cousino, assignors to Chrysler Corporation, Detroit, Mich. Shock absorber control. 1,954,196; Apr. 10.
- Breese Brothers Company, The. (See Breese, Clayton D., assignor.)
- Breese, Clayton D., Wyoming, assignor to The Breese Brothers Company, Cincinnati, Ohio. Vacuum condensation system. 1,943,105; Jan. 9.
- Breese, James L., jr., Santa Fe, N. Mex., assignor to Oil Devices Corporation, Chicago, Ill. Automatic cut-off device. 1,983,340; Dec. 4.
- Breese, Robert P., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,978,667; Oct. 30.
- Breeze, Frank A., Newburgh, Ontario, Canada. Cutting mechanism. 1,954,613; Apr. 10.
- Brefeld, Frederick G., Aviston, Ill. Casket rack. 1,966,751; July 17.
- Bregger, Nikolaus, Vienna, Austria. Metal working. 1,949,599; Mar. 6.
- Bréguet, Louis, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Device for regulating the pitch of variable pitch propellers during flight. 1,980,847; Nov. 13.
- Brehm, Charles M., Dayton, Ohio. Dispensing device for collapsible tubes. 1,964,311; June 26.
- Brehm, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Objective illuminating device. 1,963,289; June 19.
- Brehmer, Frederick W., Cincinnati, Ohio, assignor of seven twenty-fourths to F. M. Andrews, Fort Thomas, Ky., seven twenty-fourths to S. G. Clark, Cincinnati, Ohio, and four twenty-fourths to W. G. Funk, Covington, Ky. Cutting threads and machine therefor. 1,978,248; Oct. 23.
- Brehmer, Gebrüder. (See Kleinschmidt, Oscar, assignor.)
- Brehmer, Gebrüder. (See Kleinschmidt, O., Geissler, and Müller, assignors.)
- Brehmer, Gebrüder. (See Kleinschmidt, O., and Müller, assignors.)
- Brehmer, Gebrüder. (See Klemm, R., and Geissler, assignors.)
- Breiding, Cora. (See Breiding, Walter H. and C.)
- Breiding, Walter H. and C., Los Angeles, Calif. Service tray. 1,964,500; June 26.
- Breines, Simon, Brooklyn, N. Y. Building structure. 1,960,328; May 29.
- Breitbarth, August H., Valparaiso, Ind. Golf tee holder and carrier. 1,948,284; Feb. 20.
- Breitenbach, August, Siegen, Germany. Humidifier or vaporizer. 1,960,098; May 22.
- Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die-head. 1,952,743; Mar. 27.
- Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Thread cutting chaser. 1,955,530; Apr. 17.
- Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Chaser-cutting mechanism. 1,976,476; Oct. 9.
- Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Game apparatus. Des. 92,336; May 29.
- Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Game apparatus. Des. 92,448; June 12.
- Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Register plate for a game apparatus. Des. 92,449; June 12.
- Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Game apparatus. Des. 93,199; Sept. 4.
- Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Game apparatus. Des. 93,536; Oct. 9.
- Breitzkreuz, Carl E., East Orange, N. J. Stamp collector's album. 1,977,667; Oct. 23.
- Breitling, Ernst, Essen, assignor to Fried-Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Tens transfer device. 1,978,930; Oct. 30.
- Breitschädel, Franz, Katscher, assignor to E. Frank, Berlin, Germany. Stop mechanism for looms. 1,956,486; Apr. 24.
- Breitschädel, Franz, Katscher, assignor to E. Frank, Berlin, Germany. Apparatus for indicating faulty grips with thread gripping pliers. 1,956,487; Apr. 24.
- Breizy, Charles E., Pittsfield, Mass. Chemical compound and producing the same. 1,976,831; Oct. 16.
- Brelsford, Charles A. (See Hester, Dewey D., assignor.)
- Brelsford, Harry E., and W. P. Thomas, Detroit, Mich., and N. L. Snow, New Canaan, Conn., assignors to Diamond Power Specialty Corporation, Detroit, Mich. Dusting apparatus. 1,952,490; Mar. 27.
- Breme, Milko. (See Kutter, Leopold, assignor.)
- Bremer, Edmund W., Weehawken Township, Hudson County, N. J., assignor to Electroloy Company, Inc. Resistance welding electrode. 1,959,154; May 15.
- Bremer, Frederick J. (See Bates, C. J., jr., and Bremer.)
- Bremer, Frederick J., assignor to The Mosler Safe Company, Hamilton, Ohio. Safe. 1,966,705; July 17.
- Bremer-Tully Manufacturing Company. (See Piety, Raymond G., assignor.)
- Brémont, André, assignor to Société des Agrafes Françaises (Societe Anonyme), Paris, France. Flanging press delivery device. 1,970,882; Aug. 21.
- Bren, Bozotech C., Arlington, N. J., assignor to Du Pont Viscoid Company, Wilmington, Del. Composition of matter. 1,961,579; June 5.
- Bengel, Andrew A., Union City, N. J. Stepladder supporting running board bracket. 1,959,611; May 22.
- Brenholtz, George E., Hamilton, Ontario, Canada. Manufacturing solid balls. 1,951,234; Mar. 18.
- Brenn, Carl W., Montclair, N. J. Folding machine. 1,968,122; July 31.
- Brenn, Carl W., Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 1,957,405; May 1.
- Brennan, Arthur T., Detroit, Mich. Window fastener. 1,969,776; Aug. 14.
- Brennan, Charles T., Cheshire, Conn. Metal swaging machine. 1,951,721; Mar. 20.
- Brennan, John W., Bloomfield, N. J., assignor to Bakeries Service Corporation, New York, N. Y. Display stand. 1,956,115; Apr. 24.
- Brennan, Joseph F., Yeaton, Pa. Attachment for wash-tubs. 1,983,788; Dec. 11.
- Brennan, Martin J., Dunkirk, N. Y. Automatic door draft stop. 1,963,882; June 19.
- Brennan, Patrick F. (See Liston, J., and Brennan.)
- Brennan, William F., Collinsville, Ill. Signal device for vehicles. 1,975,765; Oct. 9.
- Brenneis Manufacturing Company, Inc. (See Furrer, Samuel S., assignor.)
- Brenneisen, Hermann, Paris, France. Machine for hooping or strapping boxes and other packages or objects. 1,967,739; July 24.
- Brenneman, Ivo G., Blue Hall, Pa. Reverse lock for driving shafts. 1,957,428; May 8.

- Brennen, John B., Atlanta, Ga. Screen for cotton cleaners. 1,956,488; Apr. 24.
- Brennen, William J., Scottdale, Pa. Control system. 1,950,780; Mar. 13.
- Brenner, Alphonse Company, Inc. (See Brenner, Charles M., assignor.)
- Brenner, Charles M., Shreveport, La. Device for producing joints on tubular members. 1,954,356; Apr. 17.
- Brenner, Charles M., assignor to Alphonse Brenner Company, Inc., Shreveport, La. Float valve. 1,970,074; Aug. 14.
- Brenner, George M., Chicago, Ill. Bottle. Des. 94,069; Dec. 18.
- Brenner, Walter G. (See Claas, A., and Brenner.)
- Brent, James A., Olympia, Wash. Shoe lacing eyelet. 1,918,087; Nov. 20.
- Brentnall, Geoffrey C. (See Goodhall, S. N., and Brentnall.)
- Brenzinger, Julius, Fairfield, assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn. Rayon spinning machine. 1,980,610; Nov. 13.
- Breon, George A., and Company. (See Becker, Maxwell M., assignor.)
- Brescia, Mauro, New York, N. Y. Cover for receptacles. 1,948,285; Feb. 20.
- Bresler, Russell O. (See Owens, C. A., and Bresler.)
- Bressler, Albert M., New York, N. Y. Shoe or similar article. Des. 93,966; Dec. 4.
- Bressler, Albert M., New York, N. Y. Shoe or similar article. Des. 94,070; Dec. 18.
- Bressler, Robert E., Oregon, Ill. Stoker feed structure. 1,956,789; May 1.
- Bressler, William, New York, N. Y. Shoe. Des. 92,878; July 31.
- Bresson, Charles, Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Breaking electric circuits. 1,954,785; Apr. 17.
- Bresson, Charles, Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Disconnecting switch with compensated electrodynamic forces. 1,958,159; May 8.
- Bresson, Charles, Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Electric circuit breaker. 1,967,996; July 24.
- Bresson, Eugene L., Mineola, N. Y. Radio receiving system. 1,958,031; May 8.
- Breth, Walter J. (See Engler, M. L., and Breth.)
- Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Tube splicing machine. 1,963,013; June 12.
- Bretland, Alfred C., assignor of one-half to B. Broomhall, Troy, Ohio. Metal tiling. 1,980,906; Nov. 13.
- Breton, Jean, Bellevue, France. Apparatus for developing. 1,973,306; Sept. 11.
- Breton, Jean, Bellevue, France. Device for controlling the action of a fluid. 1,980,469; Nov. 13.
- Breton, Paul. (See Chilowsky, C., and Breton.)
- Breton, Rene J., Fresno, Calif. Shipping package. 1,945,878; Feb. 6.
- Bretschneider, Max, Plausen, Germany. Device for producing adjusting motions in automatic machinery. 1,975,712; Oct. 2.
- Brett, Henry, assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 91,859; Apr. 3.
- Brett, Henry, assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 92,450; June 12.
- Brett, William H., Shaker Heights, assignor to The Enamel Products Company, Cleveland, Ohio. Metal sign holding means. 1,951,325; Mar. 13.
- Brettell, William G., Liverpool, England. Preservation of fish in trawlers or marine carriers. 1,947,327; Feb. 13.
- Breuer, Anton, Cologne, and E. Osius, Cologne-Sulz, Germany. Bituminous road surfacing material. 1,970,164; Aug. 14.
- Breuer, Rudolf C., Arlington, assignor to Frank Johnson, Glen Ridge, N. J. Wire drawing machine. 1,951,722; Mar. 20.
- Breuers, Wilhelm. (See Dubkel, M., Breuers, and Wolff, assignors.)
- Breuers, Wilhelm. (See Dunkel, M., Dorrer and Breuers.)
- Breuning, Friedrich. (See Bickelhaupt, A., and Schlenz, assignors.)
- Brewer, Charles A., Noroton Heights, and P. J. Kury, Arverne, N. Y. Brake control. 1,943,296; Jan. 16.
- Brewer, Francis A., and B. Schlachter, Syracuse, N. Y. Pilot clip for curtain rods. 1,953,463; Apr. 3.
- Brewer, Francis T., and C. J. Werner, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric switch. 1,964,426; June 26.
- Brewer, Pearl H., and H. R. Kraybill, assignors to Purdue Research Foundation, West Lafayette, Ind. Negatively charged aluminum gel. 1,942,799; Jan. 9.
- Brewer-Titchener Corporation, The. (See Johannsen, Udo K., assignor.)
- Brewer-Titchener Corporation, The. (See Johannsen, U. K., and Maxon, assignors.)
- Brewer Titchener Corporation, The. (See Main, Amos L., assignor.)
- Brewer, V. W. (See Horne, William O., assignor.)
- Brewer, William A., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Freight car construction. 1,977,468; Oct. 16.
- Brewer, William R., Duluth, Minn. Brake mechanism. 1,946,928; Feb. 13.
- Brewster, Bryan W., Fullerton, Calif. Brake. 1,972,288; Sept. 4.
- Brewster, Herbert M., Chicago, Ill. Spark plug porcelain. 1,980,182; Nov. 13.
- Brewster, Nehemiah H. (See Teague, M. C., and Brewster.)
- Brewster, Nehemiah H., Brooklyn, assignor to The Nought Chemical Company, New York, N. Y. Sheet material and making the same. 1,978,620; Oct. 30.
- Brewster, Oswald C., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Combined stabilization and absorption process. 1,976,212; Oct. 9.
- Brey, Harold E., assignor to Koehring Company, Milwaukee, Wis. Crane driving and steering mechanism. 1,947,823; Feb. 20.
- Brey & Krause Manufacturing Company. (See Pudliner, John, assignor.)
- Brey & Krause Manufacturing Company. (See Smoyer, Geraldine A., assignor.)
- Breyer, Frank G., assignor to Singmaster & Breyer, Inc., New York, N. Y. Fine dry grinding. 1,985,076; Dec. 18.
- Breyer, Frank G., New Castle, and J. P. Koller, assignors, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Pigment and making same. 1,949,925; Mar. 6.
- Breynaert, John P., Manchester, N. H. Spring shackle. 1,978,292; Oct. 23.
- Brezinski, Anton, Perth Amboy, N. J. Window pane fastening strip. 1,964,557; June 26.
- Brezinski, Leon P., Chicago, Ill., and P. K. Frollich, Cambridge, Mass.; said Frollich assignor to Standard Oil Development Company. Manufacture of esters. 1,951,747; Mar. 20.
- Brian, William S., Oak Park, assignor to Grigsby-Grunow Company, Chicago, Ill.; Frank M. McKey, receiver. Cathode structure. 1,968,280; July 31.
- Brice, Henry E., New York, N. Y. Automatic brake adjuster. 1,966,375; July 10.
- Brick, Perry A., assignor to The Perfection Steel Body Company, Galion, Ohio. Burial vault. Des. 93,381; Sept. 25.
- Brick, Sirenus G. (See Wilson, A., and Brick.)
- Bricken, John, now by judicial change of name to John George Beaver, East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,968,123; July 31.
- Bridenbaugh, Elmer H. (See Lewis, P. M., and Bridenbaugh.)
- Bridge, Alexander C., Montreal, Quebec, Canada. Equipose damper for furnaces. 1,957,197; May 1.
- Bridge, Edward W., Philadelphia, Pa. Securing hood caps on vessels. 1,957,441; May 8.
- Bridge, George L., Clayton, Mo. Heater. 1,975,921; Oct. 9.
- Bridge, John W., Rochdale, England. Incubator for hatching or incubating eggs. 1,976,159; Oct. 9.
- Bridgeman, Walter A., and J. A. Schade, assignors to The Wilbur White Chemical Company, Oswego, N. Y. Wax emulsion coating, and coating process. 1,943,468; Jan. 16.
- Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)
- Bridgeport Brass Company. (See Macdonald, William F., assignor.)
- Bridgeport Brass Company. (See Monroe, Kenneth C., assignor.)
- Bridgeport Brass Company. (See Noyack, Edward, assignor.)
- Bridgeport Brass Company. (See Sawyer, René C., assignor.)
- Bridgeport Bronze Company, The. (See Marsilius, Newman M., assignor.)
- Bridgeport Metal Goods Manufacturing Company, The. (See Ferris, I. S., and Fullmer, assignors.)
- Bridgeport Metal Goods Manufacturing Company, The. (See Fullmer, Giles C., assignor.)
- Bridges, Edward G. (See Lynch, J. W., and Bridges.)
- Bridges, Edward G., Anderson, Ind., assignor to Lynch Corporation. Glassware conveyor. 1,946,452; Feb. 6.
- Bridges, Edward G., Anderson, Ind., assignor to Lynch Corporation. Bottle blowing machine. 1,968,777; July 31.
- Bridgewater, Herbert E., and J. C. Connolly, Syracuse, assignors to Remington Rand Inc., Buffalo, N. Y. Typewriting machine. Des. 92,517; June 19.
- Bridgman, Arthur L., Boston, Mass. Nozzle valve. 1,954,752; Apr. 10.
- Bridgman, Arthur L., Boston, Mass. Device for producing air blasts or suction. 1,984,359; Dec. 18.
- Bridgman, Percy W., and J. B. Conant, Cambridge, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of unsaturated organic materials. 1,952,116; Mar. 27.
- Brieche, Ambrosius, H. Albert, and A. Stauber, Brooklyn, N. Y. Turn indicator. 1,976,213; Oct. 9.
- Briegleb, Hugh E., St. Clair, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,983,594; Dec. 11.
- Brien, Theodore R., Cherry Valley, N. Y. Hot air furnace. 1,967,495; July 24.
- Briese, Henry W., Jamaica, N. Y. Cup and saucer and similar articles. 1,947,968; Feb. 20.

- Briggs, Abel C., Wilmington, Ohio. Bridge construction. 1,984,567; Dec. 18.
- Briggs, Arthur M. (See Harman, G. J., and Briggs.)
- Briggs, Douglas E., Detroit, Mich., and C. H. Kain, San Carlos, Calif., assignors to Allied Products Corporation, Detroit, Mich. Filter-condenser. 1,973,694; Sept. 18.
- Briggs, Frank E., and E. M. Fuller, Hoquiam, Wash. Safety transmission brake. 1,966,000; July 10.
- Briggs, Harry, assignor to The Foundry Equipment Company, Cleveland, Ohio. Gas burner. 1,952,356; Mar. 27.
- Briggs, Herbert B. (See Mendoza, M., Murray, and Briggs.)
- Briggs, Herbert B., South Reddish, and R. W. Hardacre, Cheetham Hill, England, assignors to Imperial Chemical Industries Limited. Textile printing process and composition. 1,981,027; Nov. 20.
- Briggs, Jefferson J., Minneapolis, Minn. Builder's hardware. 1,976,116; Oct. 9.
- Briggs, Leland S., Douglaston, assignor to Dictaphone Corporation, New York, N. Y. Combined photograph hood and supporting base therefor. Des. 91,478; Feb. 13.
- Briggs, Leland S., Douglaston, assignor to Dictaphone Corporation, New York, N. Y. Phonograph cabinet or similar article. Des. 92,941; Aug. 7.
- Briggs Manufacturing Company. (See Ball, Albert P., assignor.)
- Briggs Manufacturing Company. (See Kuschel, Clarence H., assignor.)
- Briggs Manufacturing Company. (See Marshall, W., and Levandoski, assignors.)
- Briggs Manufacturing Company. (See Platz, Henry T., assignor.)
- Briggs Manufacturing Company. (See Ross, Frederick N., assignor.)
- Briggs Manufacturing Company. (See Ross, F. N., and Johnson, assignors.)
- Briggs Manufacturing Company. (See Tjaarda, John, assignor.)
- Briggs Manufacturing Company. (See Woodhull, Llewellyn S., assignor.)
- Briggs, Robert W., Pharr, Tex. Expansion joint for concrete articles. 1,953,846; Apr. 3.
- Briggs, Stephen F., Chenequa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Vehicle leaf spring construction. 1,945,801; Feb. 6.
- Briggs, Stephen F., Chenequa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 1,973,162; Sept. 11.
- Briggs, Stephen F., Chenequa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Filter. 1,978,856; Oct. 30.
- Briggs, Stephen F., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Clutch mechanism. 1,965,878; July 10.
- Briggs & Stratton Corporation. (See Armstrong, Werner E., assignor.)
- Briggs & Stratton Corporation. (See Briggs, Stephen F., assignor.)
- Briggs & Stratton Corporation. (See Brown, Jerome, assignor.)
- Briggs & Stratton Corporation. (See Coughlin, Charles L., assignor.)
- Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
- Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
- Briggs & Stratton Corporation. (See Nicholson, Stanley W., assignor.)
- Briggs & Stratton Corporation. (See Rubner, Hugo G., assignor.)
- Briggs, William F. E., et al. (See Orde, Godfrey P., assignor.)
- Brigham, Herbert S., Kennebunk, Maine. Coin holder. 1,949,952; Mar. 6.
- Bright, Charles G., Appleton, assignor to Paper Patents Company, Neenah, Wis. Process and apparatus for making paper. 1,957,817; May 8.
- Bright, Charles G., Appleton, assignor to Paper Patents Company, Neenah, Wis. Process and apparatus for making paper. 1,964,312; June 26.
- Bright, George B., Detroit, Mich. Air conditioning unit. 1,976,431; Oct. 9.
- Bright, Hoyt V. (See Phare, Clinton J., assignor.)
- Bright, James J., and D. P. Lee, Indianapolis, Ind. Stray light eliminating and picture cabinet enlarging device. 1,954,786; Apr. 17.
- Bright, James J., and D. P. Lee, Indianapolis, Ind. Moving picture cabinet enlarging device. 1,954,787; Apr. 17.
- Bright, Jesse D., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Record strip control. 1,962,001; June 5.
- Bright, Robert, Coventry, England. Mechanism for raising and lowering windows. 1,964,809; July 3.
- Bright, Seth L., assignor, by mesne assignments, to Arid Ice Corporation, Detroit, Mich. Refrigerating apparatus. 1,981,830; Nov. 20.
- Bright Star Battery Company. (See Buchholz, Max E., assignor.)
- Bright Star Battery Company. (See Desimone, Anthony J., assignor.)
- Brigida, Joseph, New York, N. Y. Electrolysis apparatus stand. Des. 91,264; Jan. 2.
- Brill, Clinton B. F., New York, N. Y. Closure. 1,977,302; Oct. 16.
- Brill, Eugen, assignor to the firm of Schering-Kahlbaum, A-G., Berlin, Germany. Manufacturing molds. 1,967,740; July 24.
- Brill, J. G., Company, The. (See Latshaw, Elmer, assignor.)
- Brill, J. G., Company, The. (See Scott, Louis F., assignor.)
- Brill, J. G., Company, The. (See Wood, Frederick W., assignor.)
- Brillo Manufacturing Company. (See Field, Crosby, assignor.)
- Brimer, Thomas J., Brooklyn, assignor to Good Humor Corporation of America, New York, N. Y. Frozen confection machine. 1,957,315; May 1.
- Briner, Darrell E., Winchester, Ind., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Flask. Des. 92,518; June 19.
- Briner, Emil A., East Orange, N. J. Propeller with auxiliary blades applicable to driving aircraft. 1,946,571; Feb. 13.
- Briner, Emil A., assignor to Aero Engineering Corporation, East Orange, N. J. Variable pitch propeller for aircraft and for ventilation. 1,982,283; Nov. 27.
- Briner, Emil A., assignor to Aero Engineering Corporation, East Orange, N. J. Propeller control mechanism. 1,982,284; Nov. 27.
- Briney, Ottis R., Pontiac, Mich. Making bushings. 1,949,527; Mar. 6.
- Bringardner, Martin P. (See Dunbar, H. E., and Bringardner.)
- Bringman, George W., Cleveland, Ohio. Attachment for aquarium tanks. 1,943,417; Jan. 16.
- Brinker, Frederic A. (See Ruth, J. P., jr., and Brinker.)
- Brinker, Frederic A., Denver, Colo. Flotation method. 1,973,558; Sept. 11.
- Brinkers, Hubertus C. (See de Vaal, Roelof, assignor.)
- Brinkman, Louis H., Glen Ridge, N. J. Pipe coupling. 1,981,777; Nov. 20.
- Brinkman, Louis H., Glen Ridge Borough, N. J. Method and machine for making corrugated tubes. 1,982,369; Nov. 27.
- Brinkmier, Robert L., Wheeling, W. Va. Roasting machine. 1,963,883; June 19.
- Brinton, H., Company. (See Levin, Nathan, assignor.)
- Brion, Georg, and J. Krutzsch, Freiberg, Germany. Device for electrical purification of gases. 1,976,214; Oct. 9.
- Brion, Harry O., Rochester, N. Y. Electric switch for direction signals. 1,964,192; June 26.
- Briquet, Corneli G. J., and A. E. Dmitrieff, Vilvorde, Belgium. Multiple chamber tire. 1,957,384; May 1.
- Brisbane, Edith E. (See Duell, C. H., Brisbane, and Clarke.)
- Brisbois, Elden. (See Sjolholm, G., and Brisbois.)
- Briscoe, Benjamin. (See Kratz, George D., assignor.)
- Briscoe, Walter D., assignor to B. M. P. Company, Inc., Washington, D. C. Apparatus for separating metals from ores. 1,960,726; May 29.
- Briskman, Samuel. (See Weidauer, Curtis, assignor.)
- Briskman, Samuel. (See Wyner, F., and Schulz, assignors.)
- Brisson, Louis C., Boulogne-sur-Seine, assignor to Société Anonyme: Société des Freins Hydrauliques S. de Lavaud, Paris, France. Brake. 1,980,611; Nov. 13.
- Bristol Aeroplane Company Limited, The. (See Fedden, Alfred H. R., assignor.)
- Bristol, Carlton W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Range adjusting mechanism for measuring instruments. 1,976,477; Oct. 9.
- Bristol Company, The. (See Beecher, John W., assignor.)
- Bristol Company, The. (See Borden, Perry A., assignor.)
- Bristol Company, The. (See Borden, P. A., and Hubbard, assignors.)
- Bristol Company, The. (See Bristol, Carlton W., assignor.)
- Bristol Company, The. (See Bristol, Hamilton R., assignor.)
- Bristol Company, The. (See Faust, Fred A., assignor.)
- Bristol Company, The. (See Hunt, Ozro H., assignor.)
- Bristol Company, The. (See Koester, Herman, assignor.)
- Bristol Company, The. (See Kuntz, Gregor W., assignor.)
- Bristol Company, The. (See Mansure, Arthur J., assignor.)
- Bristol Company, The. (See Noble, Alphonso, assignor.)
- Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Automobile lift jack. 1,948,367; Feb. 20.
- Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Combined hydraulic lift and oil receptacle. 1,949,777; Mar. 6.
- Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Wheel stop for automobile lifts. 1,952,906; Mar. 27.
- Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Lift for automobiles. 1,962,924; June 12.
- Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Fluid flow regulation. 1,949,408; Mar. 6.
- Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of and apparatus for combustion control. 1,949,736; Mar. 6.
- Bristol, Franklin B., assignor to The Bristol Company, Waterbury, Conn. Hygrometer. 1,958,813; May 15.

- Bristol, Hamilton R., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Hygrometer. 1,958,812; May 15.
- Bristol Tramways & Carriage Company Limited, The. (See Redrup, Charles B., assignor.)
- British Cotton & Wool Dyers' Association Limited, The. (See Gough, Harold, assignor.)
- British Electrical and Allied Industries Research Association, The. (See Whitney, W. B., and Wedmore, assignors.)
- British Electrical and Allied Industries Research Association, The. (See Whitney, W. B., Wedmore, and Cassie, assignors.)
- British Electrical and Allied Industries Research Association. (See Whitney, W. B., Wedmore, and Gosland, assignors.)
- British Insulated Cables Limited. (See Nisbett, George H., assignor.)
- British Motor Boat Manufacturing Company. (See Harrison, Charles, assignor.)
- British National Electrics Limited. (See Lipsey, Maurice, assignor.)
- British Radiostat Corporation, Limited. (See Robinson, James, assignor.)
- British-Xylonite Company Limited, The. (See Snell, Sydney W., assignor.)
- Britsch, Otto C., New York, N. Y., assignor, by mesne assignments, to Bond Electric Corporation, Jersey City, N. J. Flash light. 1,948,613; Feb. 27.
- Britsch, Otto C., Woodhaven, assignor to H. Hyman, Brooklyn, N. Y. Casing or housing. 1,955,901; Apr. 24.
- Brittain, Monroe, Chickasha, Okla. Oil burner. 1,951,818; Mar. 20.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,943,054; Jan. 9.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box and car frame support. 1,943,055; Jan. 9.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motor Corporation, Detroit, Mich. Seal or guard. 1,978,739; Oct. 30.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,984,822; Dec. 18.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,984,823; Dec. 18.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box and frame connection. 1,984,824; Dec. 18.
- Brittain, Richard J., jr., Bloomfield, and H. R. Gibbons, Chatham, N. J., assignors to General Motors Corporation, Detroit, Mich. Journal box construction. 1,971,946; Aug. 28.
- Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,964,975; July 3.
- Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,965,879; July 10.
- Britton, Alva E. (See Denk, R. G., and Britton.)
- Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Electrically heated apparatus. 1,942,382; Jan. 2.
- Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Sodium para-phenyphenate and making same. 1,942,800; Jan. 9.
- Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Antiseptic and germicide. 1,942,801; Jan. 9.
- Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Preparing phenyl phenols. 1,959,283; May 15.
- Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Preparation of hydroxy-ketones. 1,961,630; June 5.
- Britton, Edgar C., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Preservative. 1,946,057; Feb. 6.
- Britton, Edgar C., Midland, Mich., and F. Bryner, Oakland, Calif., assignors to The Dow Chemical Company, Midland, Mich. Amino-aromatic ketones and making same. 1,946,058; Feb. 6.
- Britton, Edgar C., G. H. Coleman, and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Chlorinating aliphatic hydrocarbons. 1,954,438; Apr. 10.
- Britton, Edgar C., L. F. Martin, F. N. Alquist, and R. L. Heindel, jr., assignors to The Dow Chemical Company, Midland, Mich. Preparation of hexachlorophenol. 1,969,686; Aug. 7.
- Britton, Edgar C., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Chlorophenylphenol and making same. 1,969,963; Aug. 14.
- Britton, Edgar C., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Insecticide. 1,981,219; Nov. 20.
- Britton, Edgar C., G. H. Coleman, and G. W. Warren, assignors to The Dow Chemical Company, Midland, Mich. Treatment of chlorinated isobutene. 1,984,725; Dec. 18.
- Britton, James R., Towson, Md. Shoe working machine. 1,974,059; Sept. 18.
- Brizzolara, Robert T., New Dorp, N. Y. Method and apparatus for cooling air. 1,952,414; Mar. 27.
- Broadhurst, Frank S., Watertown, Mass., assignor to De Laval Steam Turbine Company, Trenton, N. J. Priming system for centrifugal pumps. 1,971,441; Aug. 28.
- Broadman, Joseph, New York, N. Y. Protecting documents, newspapers, and the like. 1,947,516; Feb. 20.
- Broudmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Apparatus for operating on wound webs. 1,949,238; Feb. 27.
- Broudmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Relative speed indicator. 1,949,239; Feb. 27.
- Broudmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Disk ruling machine. 1,965,112; July 3.
- Brock, Clarence A. (See Gerhardt, W. F., and Brock.)
- Brock, Ellis R., Verbena, Ala., assignor to Economy Tool Manufacturing Company, Knoxville, Tenn. Tool handle. 1,963,462; June 19.
- Brock, H. B. (See Richardson, Frederick T., assignor.)
- Brock, Harley E., and F. C. Brazell, Okemah, Okla. Combination flowing device. 1,950,220; Mar. 6.
- Brock, James W., et al. (See Rufener, H., and Eichmann, assignors.)
- Brock, Melville L., assignor to Swift and Company, Chicago, Ill. Winding drum. 1,967,763; July 24.
- Brock, William M., East Windsor, Ontario, Canada. Tower footing. 1,973,427; Sept. 11.
- Brockel, Ernst, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Augsburg, Germany. Matrix melting press. 1,944,728; Jan. 23.
- Brockel, Ernst, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Augsburg, Germany. Stereotyping apparatus. 1,976,540; Oct. 9.
- Brockhurst, James B., Red Bank, N. J. Apparatus for constructing sea walls. 1,959,812; May 22.
- Brockman, Francis C. (See Berejkoff, A. P., and Brockman.)
- Brockway, Carl P., Ridgewood, assignor to World Bestos Corporation, Paterson, N. J. Ballast device. 1,945,726; Feb. 6.
- Brockway, Carl P., Ridgewood, assignor to World Bestos Corporation, Paterson, N. J. Apparatus for forming and curing brake linings. 1,948,491; Feb. 27.
- Brockway, Carl P., Ridgewood, N. J., assignor to Industrial Research Corporation, Toledo, Ohio. Engine starter. 1,960,213; May 22.
- Brockway, Carl P., Paterson, N. J., assignor to Industrial Research Corporation, Toledo, Ohio. Power transmission system. 1,955,110; Apr. 17.
- Brockway, Carl P., Paterson, N. J., assignor to Industrial Research Corporation, Toledo, Ohio. Engine starting mechanism. 1,980,662; Nov. 13.
- Brockway, Rae G., Grosse Pointe Village, and A. J. Smith, assignors to St. Clair Rubber Company, Detroit, Mich. Top construction for vehicle bodies. 1,952,309; Mar. 27.
- Brodbeck, Almer H. (See Stockstrom, A., and Brodbeck.)
- Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Broiling pan. Des. 92,387; June 5.
- Brodbeck, James R., Wamplum, assignor to Mathews Conveyor Company, Ellwood City, Pa. Conveying mechanism. 1,946,453; Feb. 6.
- Brode, Johannes, deceased, by K. Brode, Ludwigshafen-on-the-Rhine, administratrix and A. Johannes, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of phthalic anhydride. 1,959,898; May 22.
- Brode, Johannes, and A. Johannes, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of monocarboxylic acids. 1,955,050; Apr. 17.
- Bröde, Johannes, Ludwigshafen-on-the-Rhine, and A. Johannes, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of valuable products by oxidation and decarboxylation of aromatic compounds. 1,963,258; June 19.
- Brode, Johannes, and C. Wurster, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of anhydrous metal chlorides. 1,982,194; Nov. 27.
- Brode, Johannes, and A. Johannes, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparation of monocarboxylic acids. 1,982,195; Nov. 27.
- Brode, Johannes and A. Johannes, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacturing monocarboxylic acids. 1,982,196; Nov. 27.
- Brode, Johannes, Ludwigshafen-on-the-Rhine, and A. Johannes, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing monocarboxylic acids. 1,982,197; Nov. 27.
- Brode, Kathe, administratrix. (See Brode, J., and Johannes.)
- Brodell, Walter, Conshohocken, Pa. Skid and barrel carrier. 1,978,485; Oct. 30.
- Broderick, Frederick C., Winnetka, Ill. Hot water heating system. 1,973,842; Sept. 18.
- Brodersen, Emil M., Alameda, Calif. Filter. 1,977,818; Oct. 23.
- Brodersen, Harry T., Pittsburg, Calif., assignor to John-Manville Corporation, New York, N. Y. Coloring sheet materials. 1,980,905; Nov. 13.

- Brodersen, Karl, Dessau in Anhalt, and H. Wagner, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Treating hides, skins, leather, or the like. 1,949,990; Mar. 6.
- Brodersen, Max M., Alhambra, assignor to G. A. Lathrop, Los Angeles, Calif. Earth working implement. 1,947,640; Feb. 20.
- Brodersen, Max M., Alhambra, assignor to G. A. Lathrop, Los Angeles, Calif. Earth working implement. Re19,360; Nov. 6.
- Broderon, Neil O., Rochester, N. Y. Operating an internal combustion engine and an engine employing such method. 1,947,375; Feb. 13.
- Brodbeck, Kolland A., Brownstown, Ind. Humidifier. 1,946,521; Feb. 13.
- Brodhun, Carl P., Wilkes-Barre, Pa. Cable. 1,944,634; Jan. 23.
- Brodhun, Carl P., Wilkes Barre, Pa. Cable. 1,946,190; Feb. 6.
- Brodie, George H., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing the electrical characteristics of materials. 1,944,211; Jan. 23.
- Brodie, Ralph N., Company. (See Granberg, Albert J., assignor.)
- Brodkorb, Fritz. (See Gluud, W., Brodkorb, and Klempt.)
- Brodkorb, Fritz. (See Klempt, W., and Brodkorb.)
- Brodna, Clare, Cincinnati, Ohio. Confection package. Des. 91,800; Mar. 27.
- Brody, S. C. (See Lasher, Lester L., assignor.)
- Brody, S. C. (See Lasher, L. L., and Goddu, assignors.)
- Brody, Samuel, New York, N. Y. Faucet. 1,977,610; Oct. 23.
- Brody, Samuel, assignor of one-half to C. Ianuzzi, New York, N. Y. Dispensing apparatus. 1,960,936; May 29.
- Brody, Samuel C., Brighton, Mass. Adjustable expansive extension rod. 1,966,283; July 10.
- Broecker, Lewis C., Bridgeport, Conn., assignor to The Firestone Steel Products Company, Akron, Ohio. Valve parts assembling machine. 1,948,466; Feb. 20.
- Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Molding a rubber valve on the center pin of pneumatic valve insides. 1,949,823; Mar. 6.
- Broege, Robert J., Harvey, assignor to International Engineering Corporation, Chicago, Ill. Control mechanism. 1,961,842; June 5.
- Broege, Robert J., Harvey, assignor to International Engineering Corporation, Chicago, Ill. Internal combustion engine. 1,967,987; July 24.
- Broekhuysen, William C., New Haven, Conn., assignor to The Engineering and Research Corporation. Relay. 1,947,641; Feb. 20.
- Broemel, Louis E., Volkingen, Saar, Germany. Rolling metallic strips and sheets of thin sections of any desired length. 1,957,009; May 1.
- Broemme, Frank, Palmyra, and P. Puder, Riverton, N. J. Drill and attachment therefor. 1,961,604; June 5.
- Brofeth, Gustav E., assignor to Aktiebolaget Malcus Holmquist, Halmstad, Sweden. Resilient shaft coupling. 1,952,970; Mar. 27.
- Broff, Morris, Brooklyn, N. Y. Lock. 1,942,533; Jan. 9.
- Brogden, Ernest M., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Treatment of fresh fruit in preparation for market. 1,985,238; Dec. 25.
- Brogden, Ernest M., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Protective treatment of fresh fruit in preparation for market. 1,985,239; Dec. 25.
- Brogden, Joah, Melrose Park, Pa. Building construction. 1,959,899; May 22.
- Brogden, Joah, Melrose Park, Pa. Building construction. 1,963,774; June 19.
- Brogdex Company. (See Brogden, Ernest M., assignor.)
- Brogdex Company. (See Skinner, Bronson C., assignor.)
- Brogdex Company. (See Trowbridge, Miles L., assignor.)
- Brogdon, John S., assignor to E. T. Jones, jr., Atlanta, Ga. Deodorant. 1,957,385; May 1.
- Brogger, Ivar W., assignor to Edison-Splitdorf Corporation, West Orange, N. J. Electrical current responsive device. 1,946,894; Feb. 13.
- Brogmagem, Irl R., Union City, Ind. Chair. 1,948,200; Feb. 20.
- Brohasek, Anthony, New York, N. P. Thompson, Brooklyn, and G. Catsanos, New York, N. Y. Broom and mop adapter. 1,956,142; Apr. 24.
- Broida, Max M., and I. D. Foley, Louisville, Ky. Hair drying machine. 1,955,941; Apr. 24.
- Broido, Samuel S. (See MacNab, O., Broido, Loehr, Barry, and Chamberlin.)
- Brokate, Clarence W. (See Heise, G. W., and Brokate.)
- Brokaw, Edward A., W. H. Noelting, and P. H. Roettger, assignors to Faultless Caster Company, Evansville, Ind. Double ball caster. 1,949,448; Mar. 6.
- Broman, Karl H., Chicago, Ill. Combined latch and lock. 1,964,451; June 26.
- Brombach, Theodore A., San Francisco, Calif. Orthoptic training device. 1,948,901; Feb. 27.
- Brombacher, Julius, Los Angeles, Calif. Automatic control mechanism for water heaters. 1,969,921; Aug. 14.
- Bromley, Burt H., assignor to Imperial Cabinet Company, Incorporated, Los Angeles, Calif. Extension attachment. 1,952,621; Mar. 27.
- Bromley, Frank T. (See Darling, P. E., and Bromley.)
- Bromley, Thomas C., and A. Shortland, assignors to Melior Bromley and Company Limited, Leicester, England. Mechanism for winding or taking down fabric as produced. 1,956,638; May 1.
- Broms, Arthur W., Chicago, Ill. Tension control device. 1,972,916; Sept. 11.
- Bronander, Wilhelm B., Montclair, N. J. Cellophane winder and cutter. 1,963,644; June 19.
- Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Two-speed collector belt for cigarette machines. Re19,375; Nov. 20.
- Brondello, John P., Seattle, Wash. Watchman's clock. 1,963,290; June 19.
- Bronner, Finn J., New York, N. Y. Cleaning and polishing. 1,982,285; Nov. 27.
- Bronner, Finn J., New York, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental operative instrument. 1,953,584; Apr. 3.
- Bronson, Budd, assignor to The Ohio Rubber Company, Cleveland, Ohio. Running board structure. 1,947,824; Feb. 20.
- Bronson, Budd, assignor to The Ohio Rubber Company, Cleveland, Ohio. Composite article. 1,964,903; July 3.
- Bronson, George L., Monroe, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Shipping container or box. 1,959,995; May 22.
- Bronson, Robert U. (See Wiltshire, Herbert T., assignor.)
- Bronstien, Edward L., St. Paul, Minn. Spring mechanism. 1,941,657; Jan. 2.
- Brooke, Francis M., assignor to N. S. Brooke, Bryn Mawr, Pa. Multiple exhaust generator. 1,960,691; May 29.
- Brooke, Howard, Englewood, G. E. Conway, Cresskill, and H. C. Parker, Hackensack, N. J., assignors to Bergen Building Block Company. Making blocks of plastic material and apparatus therefor. 1,977,374; Oct. 16.
- Brooke, James J., Berwyn, Pa. Beetle trap. 1,971,367; Aug. 28.
- Brooke, Nanna S. (See Brooke, Francis M., assignor.)
- Brooker, Henry T., Southend-on-Sea, and L. E. Williams, Forty Hill, Enfield, England. Apparatus for playing a race or sports game. 1,958,563; May 15.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 1,942,854; Jan. 9.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Thiazoline dye and preparing it. 1,950,876; Mar. 13.
- Broker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing dibenzoxycarbocyanines. 1,962,123; June 12.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing 8-substituted oxycarbocyanines. 1,962,124; June 12.
- Brooker, Leslie G. S., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing certain disulphides as antifoggants. 1,962,133; June 12.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Dibenzothiocarbocyanine dye and preparing it. 1,969,444; Aug. 7.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing neothiazolocarbo-cyanines. 1,969,445; Aug. 7.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing pseudo-cyanine dyes. 1,969,446; Aug. 7.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. 8-aryl-dibenzothiocarbocyanine and preparing it. 1,969,447; Aug. 7.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing oxa- γ -cyanines. 1,969,448; Aug. 7.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing thiazolocarbo-cyanine dyes. 1,973,462; Sept. 11.
- Brooker, William F. C., Paramus, N. J., assignor to Knoch Morgan's Sons Co., New York, N. Y. Holder. 1,946,895; Feb. 13.
- Brook Hill Farm Incorporated. (See Farr, Stewart M., assignor.)
- Brooklyn Edison Company. (See Brooks, J. A., and Cerf, assignors.)
- Brooks, Benjamin T., Greenwich, Conn., assignor, by mesne assignments, to Standard Alcohol Company, Wilmington, Del. Obtaining secondary alcohols from acid liquors. 1,944,400; Jan. 23.
- Brooks, Benjamin T., Greenwich, Conn., assignor, by mesne assignments, to Standard Alcohol Company, Wilmington, Del. Obtaining secondary alcohols from acid liquors formed by treating olefines with sulphuric acid. 1,948,286; Feb. 20.
- Brooks, Benjamin T., Stamford, Conn., assignor, by mesne assignments, to Standard Alcohol Company, Wilmington, Del. Making sulphated derivatives of butene. 1,970,687; Aug. 21.
- Brooks, Charles A., Swissvale, and J. M. Pelikan, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,956,851; May 1.
- Brooks, Chester K., Kirtland Hills, and E. H. Schmidt, Cleveland Heights, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Method of and apparatus for effecting tight couplings. 1,942,949; Jan. 9.

- Brooks, E. J., Company. (See Robinson, E. W., and Burney, assignors.)
- Brooks, Earl, Stanton, Nebr. Guiding means for corn pickers. 1,973,045; Sept. 11.
- Brooks, Elbert J., Sparta, Wis. Sewer rod booster. 1,983,790; Dec. 11.
- Brooks, Emanuel, Brooklyn, N. Y. Treatment of textile. 1,959,406; May 22.
- Brooks, George L., Lansing, Mich. Lineman's climber. 1,956,852; May 1.
- Brooks, Glenn R., Huntington Park, Calif., assignor of three-tenths to H. L. Strickland. Variable pitch propeller. 1,973,046; Sept. 11.
- Brooks, Harold H., assignor to Columbus Coated Fabric Corporation, Columbus, Ohio. Display rack. 1,956,523; Apr. 24.
- Brooks, Harry E., and P. B. Reeves, assignors to Reeves Pulley Company, Columbus, Ind. Filling wind control for spinning frames. 1,985,851; Dec. 25.
- Brooks, Henry M., et al. (See Warner, E. T., and Ousdahl, assignors.)
- Brooks, Henry M., et al., trustees. (See Eddison, William B., assignor.)
- Brooks, Henry M., et al., trustees. (See Wetmore, Bert D., assignor.)
- Brooks, Josiah A., Bay Side, and E. A. Cerf, jr., assignors to Brooklyn Edison Company, Inc., Brooklyn, N. Y. Electrical distribution system. 1,945,590; Feb. 6.
- Brooks, Josiah A., Douglaston, and E. A. Cerf, jr., assignors to Brooklyn Edison Company, Inc., Brooklyn, N. Y. Electrical distribution system. 1,945,591; Feb. 6.
- Brooks, Lester M., assignor to Weco Manufacturing Company, Inc., Seattle, Wash. Self exciting current generator. 1,964,619; June 26.
- Brooks, Manley E. (See Gann, J. A., and Brooks.)
- Brooks, Manley E., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloys. 1,957,934; May 8.
- Brooks, Oliver C., New York, N. Y. Razor stropper. 1,948,165; Feb. 20.
- Brooks, Shirley V., East Orange, N. J., assignor to Franklin-Williams, Inc. Medicine shelf rack. 1,947,825; Feb. 20.
- Brooks, Thomas R. (See Patocka, Theodore F., assignor.)
- Brooks, Walter C. (See Staples, J. W., and Brooks.)
- Brooks, William H., Birmingham, Ala. Dampproofing plastering. 1,965,365; July 3.
- Brooks, William H., assignor to Carnation Company, Oconomowoc, Wis. Solder flux applying device. 1,951,125; Mar. 13.
- Brooks, William H., assignor to Carnation Company, Oconomowoc, Wis. Can head and hermetically sealing filled cans. 1,969,724; Aug. 14.
- Brooks, William H., Oconomowoc, assignor to Carnation Company, Milwaukee, Wis. Stamping machine. 1,977,425; Oct. 16.
- Brooks, William W. (See Guinn, W. P., and Brooks.)
- Brooks, Winfred M., West Orange, N. J. Seal. 1,945,677; Feb. 6.
- Brooks, Winfred M., West Orange, N. J. Sealing means. 1,948,255; Feb. 20.
- Brooks, Winfred M., West Orange, N. J. Sealing means. 1,982,783; Dec. 4.
- Broom, Thomas R. (See Allwood, A., and Broom.)
- Broomfield, Frank, Ridgewood, N. J. Spectacles. 1,949,449; Mar. 6.
- Broomhall, Baird. (See Bretland, Alfred C., assignor.)
- Brophy, Gerald R., and E. A. Smith, Schenectady, N. Y., assignors to General Electric Company. Bearing and making same. 1,977,335; Oct. 16.
- Brophy, John D., New York, N. Y. Radiocabinet. Des. 92,578; June 26.
- Brophy, John D., New York, N. Y. Container. 1,965,096; July 3.
- Brorby, Carl O., Minneapolis, Minn. Clothesline tightener and pole holder. 1,951,898; Mar. 20.
- Brosilow, Louis, W. Markoff, and J. Orosz, Chicago, Ill. Automatic cord take-up and pay-out device for electric lamps. 1,946,128; Feb. 6.
- Brosilow, Louis, W. Markoff, and J. Orosz, Chicago, Ill. Electric lamp cord retaining device. 1,947,517; Feb. 20.
- Brosilow, Louis, W. Markoff, and J. Orosz, assignors to Rembrandt Lamp Corporation, Chicago, Ill. Combined break-joint and electric-cord reel casing. 1,982,854; Dec. 4.
- Brosilow, Louis, and L. Severus, Chicago, Ill. Lamp reflector. 1,980,183; Nov. 13.
- Brosler, Edward, Pittsburgh, Pa. Receptacle. 1,930,715; Nov. 13.
- Brost, Andrew J., jr., Buffalo, N. Y. Automobile shackle. 1,952,115; Mar. 27.
- Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel cover trimming machine. 1,946,480; Feb. 13.
- Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Expandable last form for attaching soles to shoes. 1,959,565; May 22.
- Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,976,770; Oct. 16.
- Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for surface treating shoe parts. 1,980,376; Nov. 13.
- Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,981,944; Nov. 27.
- Brothers, Eli, East Lynn, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe-pulling device for lasts. 1,961,397; June 26.
- Brötz, August. (See Stoeckly, J. J., and Brötz.)
- Brotz, Frank G. (See Gavin, G. P., and Brotz.)
- Brotz, Frank G., and G. P. Gavin, Kohler, Wis. Integral flush tank and closet bowl. Des. 93,537; Oct. 9.
- Brougham, Leslie E., Purley, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Apparatus for checking and verifying records. 1,984,516; Dec. 18.
- Broughton, Arthur E., Wisconsin Rapids, Wis. Vacuum control mechanism. 1,962,477; June 12.
- Broughton, Arthur E., Wisconsin Rapids, Wis. Method and apparatus for showing uniformity of sheet formation in paper making machines. 1,969,546; Aug. 7.
- Broughton, Harold E., and W. F. Lamoreaux, Isabella, Tenn. Centrifugal pump. 1,972,865; Sept. 11.
- Broughton, Winn E., Peabody, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Machine for operating upon hides, skins, leather, and other similar pieces of work. 1,955,051; Apr. 17.
- Brouhard, Edward J., Pittsburgh, Pa. Book hanger. 1,959,333; May 22.
- Brouhard, Edward J., Des Moines, Iowa. Wheel holder. 1,959,655; May 22.
- Brouillet, Wilfred A., San Luis Obispo, Calif. Cabinet for refreshing biscuits, rolls, and the like. 1,946,963; Feb. 13.
- Brouse, William H. D., assignor to Service Station Equipment Company Limited, Toronto, Ontario, Canada. Foot valve. 1,977,039; Oct. 16.
- Brousseau, René, Forestville, assignor of one half to F. Paradis, Bristol, Conn. Wheel rim. 1,957,690; May 8.
- Brouwer, Rodger, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Leakproof seal and closure. 1,958,907; May 15.
- Brouyette, Charles D., Topeka, Kans. Hanger bracket. 1,955,223; Apr. 17.
- Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmö, Sweden. Brake rigging. 1,963,224; June 19.
- Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmö, Sweden. Automatic slack adjuster for brakes. 1,983,897; Dec. 11.
- Browe, Raymond C., Newark, N. J., assignor to Socony-Vacuum Corporation, New York, N. Y. Outdoor lamp for a gasoline service station. Des. 93,328; Sept. 18.
- Brower, James. (See Townsend, D. W., and Brower.)
- Brower, John M., Grand Rapids, Mich. Lounge. Des. 93,813; Nov. 13.
- Brower, John M., Grand Rapids, Mich. Chair. Des. 93,967; Dec. 4.
- Brower, John M., Grand Rapids, Mich. Table. Des. 93,968; Dec. 4.
- Brower Manufacturing Company. (See Brower, William J., assignor.)
- Brower, William J., assignor to Brower Manufacturing Company, Quincy, Ill. Brooder. 1,961,682; June 5.
- Brower, William M., Palo Alto, assignor to Stanford Products, Ltd., San Francisco, Calif. Electrical alarm clock. 1,974,409; Sept. 25.
- Brower, William M., Palo Alto, assignor to Stanford Products, Ltd., San Francisco, Calif. Electric clock. 1,983,162; Dec. 4.
- Brower, William W. (See Humburg, Chris, assignor.)
- Browett, Frank, Cleveland, Ohio. Windshield wiper blade. 1,947,185; Feb. 13.
- Brown, Alexander, New York, N. Y. Safety device for gas burners. 1,967,606; July 24.
- Brown, Arthur B. (See Lemmon, N. E., and Brown.)
- Brown, Arthur B., and A. W. Neeley, Whiting, Ind., assignors to Standard Oil Company (Indiana), Chicago, Ill. Refining airplane engine oil. 1,980,377; Nov. 13.
- Brown, Arthur E. (See Benoit, L., Kanabay, Brown, and Vaughan.)
- Brown, Augustus C., 3d. (See Diesel, W. F., and Brown.)
- Brown Bag Filling Machine Company, The. (See Greenlaw, Burpee D., assignor.)
- Brown Bag Filling Machine Company, The. (See Totman, Amos A., assignor.)
- Brown & Bailey Company. (See Heim, Jacob C., assignor.)
- Brown & Bigelow. (See Burgess, Ralph L., assignor.)
- Brown & Bigelow. (See Fischer, Howard L., assignor.)
- Brown Boveri & Company Limited. (See Kapp, R. O., and Carrothers, assignors.)
- Brown-Brockmeyer Company, The. (See Borchers, Alwin, assignor.)
- Brown-Brockmeyer Company, The. (See Borchers, A., and Peiser, assignors.)
- Brown & Brown, Inc. (See Brown, Chalmers S., assignor.)
- Brown, Bruce K., Wilmette, assignor to Standard Oil Company, Chicago, Ill. Nitration. 1,973,559; Sept. 11.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Lay guide. 1,956,057; Apr. 24.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle box. 1,971,249; Aug. 21.
- Brown, Carleton, Westmount, Quebec, Canada. Fastening means for expandable bodies. 1,942,237; Jan. 2.
- Brown, Carleton, Westmount, Quebec, Canada. Auxiliary draw bar for motor vehicles. 1,949,528; Mar. 6.

- Brown, Carleton, Westmount, Quebec, Canada. Vehicle. 1,965,451; July 3.
- Brown, Carleton, Westmount, Quebec, Canada. Roof for vehicles and the like. 1,965,452; July 3.
- Brown, Carleton, Montreal, Quebec, Canada. Vehicle. 1,965,450; July 3.
- Brown, Chalmers S., assignor to Brown & Brown, Inc., Lima, Ohio. Regulator valve. 1,969,964; Aug. 14.
- Brown, Charles C., Spokane, Wash. Automatic garage door. 1,984,861; Dec. 18.
- Brown, Charles G. (See Rohyans, C. M., and Brown.)
- Brown, Charles S., Syracuse, N. Y. Roller bearing construction. 1,943,418; Jan. 16.
- Brown, Charles S., Syracuse, N. Y. Tapered roller bearing. 1,943,419; Jan. 16.
- Brown, Charles S., Syracuse, N. Y. Heat insulated vessel. 1,953,585; Apr. 3.
- Brown, Charles S., Syracuse, N. Y. Air cooled engine cylinder block. 1,963,487; June 19.
- Brown, Charles S., Syracuse, N. Y. Multicylinder block for air cooled engines. 1,964,106; June 26.
- Brown, Charles S., Syracuse, N. Y. Wall structure. 1,970,414; Aug. 14.
- Brown, Charles S., Syracuse, N. Y. Concrete wall and reinforcing insert therefor. 1,976,832; Oct. 16.
- Brown, Charles W., San Diego, Calif. Flush tank valve operating device. 1,960,864; May 29.
- Brown, Christopher, Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Groove grinding machine. 1,970,733; Aug. 21.
- Brown, Clarence L., assignor to Sawyer Manufacturing Company, Hudson, Mich. Floral rack. 1,942,940; Jan. 9.
- Brown, Clarence W. (See Matteson, J. O., Ehrenpreis, Brown, and Guyton.)
- Brown, Clarence W., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. Des. 93,200; Sept. 4.
- Brown, Clarence W., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. Des. 93,201; Sept. 4.
- Brown, Clarence W., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. Des. 93,202; Sept. 4.
- Brown, Clifford K., Duluth, Minn. Smoking pipe. 1,948,645; Feb. 27.
- Brown Company. (See Ayers, Fred L., assignor.)
- Brown Company. (See Brown, P., and Wardwell, assignors.)
- Brown Company. (See Burke, Edmund, assignor.)
- Brown Company. (See Richter, George A., assignor.)
- Brown Company. (See Richter, G. A., and Gosselink, assignors.)
- Brown Company. (See Richter, G. A., and Schur, assignors.)
- Brown Company. (See Schur, Milton O., assignor.)
- Brown Company. (See Schur, M. O., and Hearn, assignors.)
- Brown Company. (See Schur, M. O., and Hoos, assignors.)
- Brown Company. (See Schur, M. O., Hoos, and Morris, assignors.)
- Brown Company. (See Sherman, John C., assignor.)
- Brown Company. (See Sweet, Harry.)
- Brown Company. (See Tate, James A., assignor.)
- Brown Company. (See Vogel, Frederick W., assignor.)
- Brown Company. (See Wardwell, William E., assignor.)
- Brown, Curtis M., assignor to Gibson Refrigerator Company, Greenville, Mich. Vent sealing means. 1,966,706; July 17.
- Brown, Cuthbert J. (See Wilson, C. H., and Brown.)
- Brown, David & Sons, (Huddersfield) Limited. (See Goulder, James, assignor.)
- Brown, David & Sons (Huddersfield), Limited. (See Merritt, Henry E., assignor.)
- Brown, Dayton T. (See Webster, W. W., and Brown.)
- Brown, E. C., Co. (See Bullock, Giles E., assignor.)
- Brown, E. C., Company. (See Tappan, Dewitt, assignor.)
- Brown, Earl D. (See Cone, C. N., and Brown.)
- Brown, Edmund K., assignor to The Torrington Company, Torrington, Conn. Sewing machine needle. 1,949,349; Feb. 27.
- Brown, Edmund K., assignor to The Torrington Company, Torrington, Conn. Making sewing machine needles. 1,949,350; Feb. 27.
- Brown, Edward A., jr., and M. M. Marks, Pittsburgh, Pa. Checkerwork. 1,951,047; Mar. 13.
- Brown, Edward A., jr., and M. M. Marks, Pittsburgh, Pa. Checkerwork. 1,963,291; June 19.
- Brown, Edward E. (See Wells, H. H., and Brown.)
- Brown, Elmer G., Los Angeles, and J. G. Frayne, Pasadena, Calif., assignors to Electrical Research Products Inc., New York, N. Y. Camera. 1,957,525; May 8.
- Brown, Enoch N., Philadelphia, Pa., assignor to Lenthier Incorporated, New York, N. Y. Powder container. Des. 92,160; May 8.
- Brown, Francis H., Ridley Park, Pa., assignor to The Real Estate-Land Title and Trust Company. Stoker. 1,977,620; Oct. 23.
- Brown, Francis P., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding machine. 1,952,653; Mar. 27.
- Brown, Frank E., New Haven, Conn. Broom hanger. 1,965,973; July 10.
- Brown, Fred I. (See Tubbs, G. E., and Brown.)
- Brown, Frederick E. (See Matthews, F. C., Brown, and Pengelly.)
- Brown, Frederick L., assignor to The American Pad and Textile Company, Greenfield, Ohio. Cushion construction. 1,941,785; Jan. 2.
- Brown, Frederick L., assignor to The American Pad & Textile Company, Greenfield, Ohio. Life preserver jacket. 1,950,937; Mar. 13.
- Brown, Freeman L., Oaklyn, N. J., assignor to Radio Corporation of America. Motion picture gate. 1,943,366; Jan. 16.
- Brown, Freeman L., Oaklyn, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Motion picture apparatus. 1,965,366; July 3.
- Brown, George H., Highland Park, assignor to Metal & Thermit Corporation, Carteret, N. J. Coloring ceramic materials. 1,960,329; May 29.
- Brown, George W. (See White, M. C., and Brown.)
- Brown, George W., Memphis, Tenn. Photographing burglars or other intruders. 1,944,212; Jan. 23.
- Brown, Gerald, Barnes, London, England. Nullifying or reducing reflections in show cases or the like. 1,975,001; Sept. 25.
- Brown, Glendon C. (See Stansbury, C., and Brown.)
- Brown, Glendon C., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Elevator controller. 1,961,133; June 5.
- Brown, Glendon C., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control. 1,983,656; Dec. 11.
- Brown, Gordon C., assignor to Durkee-Atwood Company, Minneapolis, Minn. Article of manufacture. 1,960,137; May 22.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 91,314; Jan. 9.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 91,702; Mar. 13.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 91,801; Mar. 27.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 92,388; June 5.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. Des. 93,814; Nov. 13.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 93,969; Dec. 4.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. Des. 94,112; Dec. 25.
- Brown, H. B., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,984,825; Dec. 18.
- Brown, Harold D., Los Angeles, Calif. Tile roof. 1,967,764; July 24.
- Brown, Harold W., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine control. 1,946,303; Feb. 6.
- Brown, Henry A. (See Stolp, S. S., and Brown.)
- Brown, Herman M., I. E. Estler, and C. J. Neuhaus, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Polishing machine. 1,959,900; May 22.
- Brown, Howard S., Shelbyville, Ind. Low voltage heating element. 1,949,450; Mar. 6.
- Brown, Hugh A. (See Paine, E. B., Tykocinski-Tykociner, and Brown.)
- Brown, Hugh S., Harvey, Ill. Tamping tool. 1,945,132; Jan. 30.
- Brown, Hugh S., Harvey, Ill. Tamping tool. 1,945,133; Jan. 30.
- Brown Instrument Company, The. (See Brown, Richard P., assignor.)
- Brown Instrument Company, The. (See Gess, Louis, assignor.)
- Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
- Brown Instrument Company, The. (See Krogh, Anker E., assignor.)
- Brown Instrument Company, The. (See Malpass, Donald, assignor.)
- Brown Instrument Company. (See Side, Frederick W., assignor.)
- Brown Instrument Company, The. (See Vollrath, Joseph P., assignor.)
- Brown Instrument Company, The. (See Winton, Lewis B., assignor.)
- Brown, Irving C., Baltimore, Md. Sparking top. 1,949,858; Mar. 6.
- Brown, James D., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale pivot. 1,954,197; Apr. 10.
- Brown, James E., South Chicago, Ill. Embalmer's apparatus. 1,945,419; Jan. 30.
- Brown, James G., and R. B. Streets, Tucson, Ariz. Apparatus for treating seeds. 1,960,692; May 29.
- Brown, James H., New York, N. Y. Necktie. 1,974,528; Sept. 25.
- Brown, James H., Nashville, assignor of one-half to T. Sawyer, Centerville, Tenn. Planter. 1,956,460; Apr. 24.
- Brown, Jerome, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Method of and machine for applying metal covers to automotive vehicle springs. 1,981,162; Nov. 20.

- Brown, Jesse B., assignor to Velvet Power Brake Company, Detroit, Mich. Vacuum brake. 1,950,474; Mar. 13.
- Brown, John E. H., Elgin, Ill. Pavement joint. 1,961,580; June 5.
- Brown, John L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing. 1,973,047; Sept. 11.
- Brown, John L., Verona, and H. J. Bowen, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Holding primary punchings. 1,976,541; Oct. 9.
- Brown, John F., assignor to P. B. Deviator Limited, London, England. Gyroscopic apparatus. 1,975,740; Oct. 2.
- Brown, John W., jr., Philadelphia, Pa. Indexed cam-controlled clamping jig. 1,946,420; Feb. 6.
- Brown, John W., jr., Philadelphia, Pa. Positioning means for drilling machines. 1,946,421; Feb. 6.
- Brown, Lawrence F., Oakwood, Ohio. Combination signal light and ash tray. Des. 92,161; May 8.
- Brown, Lawrence F., Oakwood, Ohio. Signal light. Des. 93,445; Oct. 2.
- Brown, Lawrence F., Oakwood, Ohio. Luminous price sign. 1,970,124; Aug. 14.
- Brown, Lee R., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Register. 1,974,529; Sept. 25.
- Brown, Le Roy O., assignor to Justrite Manufacturing Company, Chicago, Ill. Safety receptacle for volatile liquids. 1,954,983; Apr. 17.
- Brown, Le Roy O., assignor to Justrite Manufacturing Company, Chicago, Ill. Lamp attaching clamp. 1,968,369; July 31.
- Brown-Lipe Gear Company. (See Fawick, Thomas L., assignor.)
- Brown, Lucian H., Kokomo, Ind., assignor to Haynes Stellite Company. Centrifugal casting. 1,962,705; June 12.
- Brown, Luther. (See Spencer, H., and Brown.)
- Brown, Luther E., Kilgore, Tex. Relief valve. 1,973,744; Sept. 18.
- Brown Lynch Scott Co. (See Flatley, John H., assignor.)
- Brown, Margery, Vedado, Habana, Cuba. Audiphone cable. 1,983,928; Dec. 11.
- Brown, Marion, Chicago, Ill., and F. J. Prindiville, Detroit, Mich. Game board. Des. 92,835; July 24.
- Brown, Marshall, Heltonville, Ind. Illuminated license plate. 1,977,261; Oct. 16.
- Brown, Mortimer J., Niagara Falls, N. Y. Method and apparatus for discharging aqueous solutions of carbon dioxide. 1,956,143; Apr. 24.
- Brown, Mortimer J., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Conducting catalytic reactions. 1,943,580; Jan. 16.
- Brown, Myron J., Covington, Ky., assignor to Westinghouse Electric & Manufacturing Company. Motor-control scheme. 1,955,322; Apr. 17.
- Brown, Nat E., Grand Haven, Mich. Road surfacing machine. 1,955,224; Apr. 17.
- Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Car retarder for railroads. 1,942,802; Jan. 9.
- Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Valve actuator. 1,958,127; May 8.
- Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,969,060; Aug. 7.
- Brown, Newton N., assignor to Gold Medal Folding Furniture Co., Racine, Wis. Table. 1,951,499; Mar. 20.
- Brown, Paul, and W. E. Wardwell, assignors to Brown Company, Berlin, N. H. Spool. 1,951,748; Mar. 20.
- Brown, Paul B. (See Custer, F., and Brown.)
- Brown, Paul B., Toledo, Ohio. Atomizer. Des. 91,419; Jan. 30.
- Brown, Paul B., Toledo, Ohio. Perfume atomizer. Des. 93,446; Oct. 2.
- Brown, Paul B., Toledo, Ohio. Liquid atomizer. Des. 93,447; Oct. 2.
- Brown, Paul B., Toledo, Ohio. Atomizer. Des. 93,647; Oct. 23.
- Brown, Paul B., Toledo, Ohio. Atomizer. Des. 94,113; Dec. 25.
- Brown, Paul B., assignor to The De Vilbiss Company, Toledo, Ohio. Liquid dispenser. 1,953,102; Apr. 3.
- Brown, Paul B., and J. B. Schmitt, assignors to The De Vilbiss Company, Toledo, Ohio. Vaporizer. 1,949,778; Mar. 6.
- Brown, Paul D., Garden City, N. Y. Game. 1,982,633; Dec. 4.
- Brown, Phillip, Brooklyn, N. Y. Interlocking building brick. 1,984,393; Dec. 18.
- Brown & Polson Limited. (See Acton, Walter, assignor.)
- Brown, Quintus P., et al. (See Doub, Edwin A., assignor.)
- Brown, Ralph, Wilmette, assignor to The Adlake Company, Chicago, Ill. Sash holder. 1,946,833; Feb. 13.
- Brown, Ralph L., Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Preparation of acetic acid. 1,953,905; Apr. 3.
- Brown, Ralph L., Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Preparation of acetic acid. 1,967,189; July 17.
- Brown, Raymond G., Niagara Falls, N. Y., assignor, by mesne assignments, to Sulphide Corporation. Treating sulphide ores. 1,946,349; Feb. 6.
- Brown, Reynolds D., jr., Philadelphia, Pa. Vacuum tube system. 1,966,607; July 17.
- Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Instrument casing. 1,962,422; June 12.
- Brown, Robert A., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Plate setting means for rotary printing presses. 1,965,216; July 3.
- Brown, Robert B., Great Neck, assignor to American Manufacturing Company, Brooklyn, N. Y. Chair. 1,974,948; Sept. 25.
- Brown, Robert F., Baltimore, Md. Wheel mount for vehicles. 1,983,533; Dec. 11.
- Brown, Robert H., New Kensington, Pa., assignor, by mesne assignments, to Magnesium Development Corporation. Duplex metal article. 1,975,778; Oct. 9.
- Brown, Robert N., assignor to Packard Motor Car Company, Detroit, Mich. Making pistons. 1,956,001; Apr. 24.
- Brown, Robert O., Syracuse, N. Y. License plate holder for automobiles and the like. 1,965,921; July 10.
- Brown, Robert S., assignor, by mesne assignments, to The New Britain Gridley Machine Company, New Britain, Conn. Chuck. 1,969,687; Aug. 7.
- Brown, Robert S., assignor, by mesne assignments, to The New Britain-Gridley Machine Company, New Britain, Conn. Metal working machine. 1,973,368; Sept. 11.
- Brown, Robert V., Hamburg, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Vaporization process and apparatus therefor. 1,975,222; Oct. 2.
- Brown, Roger B. (See Farley, F. S., and Brown.)
- Brown, Roger S., Chicago, Ill. Air supply means and method for cupolas. 1,970,221; Aug. 14.
- Brown, Roger S., Chicago, Ill. Tube for boilers, heat exchangers, and the like. 1,979,859; Nov. 6.
- Brown, Roy L., Sedalia, Mo. Safety guard rail for highways. 1,974,232; Sept. 18.
- Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Radio aerial. 1,963,014; June 12.
- Brown, Samuel B., Los Angeles, Calif. Gas and air mixing device. 1,977,168; Oct. 16.
- Brown, Sanford, Montclair, and E. R. Hanson, Bloomfield, N. J., assignors to Halowax Corporation, New York, N. Y. Purification of chlornaphthalenes. 1,953,070; Apr. 3.
- Brown and Sharpe Manufacturing Company. (See Bennett, Arthur F., assignor.)
- Brown and Sharpe Manufacturing Company. (See Brown, Francis P., assignor.)
- Brown and Sharpe Manufacturing Company. (See Graves, B. P., and Bennett, assignors.)
- Brown & Sharpe Manufacturing Company. (See Howard, Clarence J., assignor.)
- Brown & Sharpe Manufacturing Company. (See Martin, Harold E., assignor.)
- Brown and Sharpe Manufacturing Company. (See Smith, Walter F., assignor.)
- Brown, Stanley, Garden City, N. Y. Smoking pipe. 1,956,311; Apr. 24.
- Brown, Stanley, Garden City, assignor to The Griscom Russell Company, New York, N. Y. Heat exchanger. 1,960,770; May 29.
- Brown, Stephen L., Franklin, Pa. Reverse drive. 1,963,775; June 19.
- Brown, Stephen L., Franklin, Pa. Duplex power plant. 1,963,776; June 19.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 1,962,423; June 12.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Agricultural implement. 1,963,645; June 19.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Adjustable tractor wheel. 1,967,283; July 24.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 1,973,048; Sept. 11.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 1,980,033; Nov. 6.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Cultivator. 1,950,470; Nov. 13.
- Brown, Theophilus, and T. W. Johnson, assignors to Deere & Company, Moline, Ill. Agricultural implement. 1,955,789; Apr. 24.
- Brown, Thomas A., McKinley, Oreg. Corrosionproof battery terminal. 1,957,131; May 1.
- Brown, Thomas L., assignor to W. J. Pearson, Los Angeles, Calif. Ribbon feed. 1,944,964; Jan. 30.
- Brown, Thomas T., Zanesville, Ohio. Electrostatic motor. 1,974,483; Sept. 25.
- Brown, Tony A., assignor of one-tenth to E. M. Christopher, Torrance, one-tenth to A. S. Klein, Los Angeles, one-tenth to M. R. Gilbert, and one-tenth to W. Christopher, Hollywood, Calif. Cable valve for oil wells. 1,977,504; Oct. 16.
- Brown, Vernie R., assignor to Geo. Kilgen & Son, Inc., St. Louis, Mo. Electromagnetic pipe organ actions. 1,974,530; Sept. 25.
- Brown, Walter G., Uxbridge, and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Reel. 1,980,153; Nov. 6.
- Brown, Walter L., Oakland, Calif. Device for forming pulp chips. 1,985,479; Dec. 25.
- Brown, Walter J., Brooklands, England, assignor to Associated Electrical Industries, Limited. Transmitting device. 1,962,294; June 12.

- Brown, Walter O., Detroit, Mich. Folding chair. Des. 91,292; Jan. 2.
- Brown, Walter O., Detroit, Mich. Folding table. Des. 91,315; Jan. 9.
- Brown, Walter O., Detroit, Mich. Serving table. Des. 92,942; Aug. 7.
- Brown, Walter O., Detroit, Mich. Radiocabinet. Des. 93,448; Oct. 2.
- Brown, Walter O., Detroit, Mich. Radiocabinet. Des. 93,449; Oct. 2.
- Brown, Walter O., Detroit, Mich. Radiocabinet. Des. 93,450; Oct. 2.
- Brown, Walter O., Detroit, Mich. Veneer box construction. 1,952,360; Mar. 27.
- Brown, Walter O., Detroit, Mich. Box or crate. 1,982,367; Nov. 27.
- Brown, Walter P., New Haven, Conn. Hosiery. 1,944,591; Jan. 23.
- Brown, Walter V., Brandon, Manitoba, Canada. Truck tank underframe. 1,946,834; Feb. 13.
- Brown, William D., Pittsburgh, Pa. Production of sponge iron. 1,979,729; Nov. 6.
- Brown, William D., Pittsburgh, Pa. Sponge iron manufacture. 1,984,727; Dec. 18.
- Brown, William E., Pittsburgh, Pa. Implement for drawing track rails to gauge. 1,954,984; Apr. 17.
- Brown, William E., Milwaukee, Wis., and L. S. Brach, East Orange, N. J.; said Brown assignor to said Brach. Apparatus for and method of testing the condition of the high-tension ignition system of an operating internal combustion engine. 1,983,341; Dec. 4.
- Brown, William F., Flushing, N. Y. Power machine. 1,958,843; May 15.
- Brown, William J., Detroit, Mich. Flexible file holder. 1,972,260; Sept. 4.
- Brown, William L., Philadelphia, Pa. Wrecking crane. 1,965,367; July 3.
- Brown, William O., West Hollywood, Calif. Citrus fruit reamer. 1,970,274; Aug. 14.
- Brown, William P., Minneapolis, Minn. Valve for pneumatic tires. 1,966,428; July 17.
- Brown, William R., Chicago, Ill. Air compressor. 1,957,526; May 8.
- Brown, William R., Chicago, Ill. Spraying construction. 1,957,527; May 8.
- Brown, William W., Blytheville, Ark. Valve mechanism for rotary engines. 1,981,778; Nov. 20.
- Brown, William Y., Charlotte, assignor of one-third to W. C. Honeycutt, Black Mountain, and one-third to R. H. Garland, Charlotte, N. C. Lubrication apparatus. 1,956,144; Apr. 24.
- Brown, William Y., Charlotte, assignor of one-third to W. C. Honeycutt, Black Mountain, and one-third to R. H. Garland, Charlotte, N. C. Lubrication apparatus. 1,963,399; June 19.
- Browne, Fontague P., Buffalo, N. Y. Adjustable seat for vehicles. 1,979,860; Nov. 6.
- Browne, Howard S., et al. (See Day, Charles M., assignor.)
- Browne, James H., East Liverpool, Ohio. Connection for heating pads. 1,964,904; July 3.
- Browne, Montague P., Buffalo, N. Y. Mounting for sliding vehicle seats. 1,942,998; Jan. 9.
- Browne, Montague P., Buffalo, N. Y. Buoyant bathing device. 1,960,474; May 29.
- Browne, Theodore C., Chicago, Ill., and E. Brugmann, Cambridge, Mass. Electrical conductive element and manufacture. 1,983,267; Dec. 4.
- Browne, Vere B., assignor to Allegheny Steel Company, Brackenridge, Pa. Making sucker rods. 1,947,969; Feb. 20.
- Browne, Vere B., assignor to Allegheny Steel Company, Brackenridge, Pa. Refining of steel. 1,949,529; Mar. 6.
- Brownell, Barnett M., University City, Mo., assignor to Diamond Metal Products Company. Trap. 1,950,384; Mar. 13.
- Brownell, George L., Worcester, Mass. Treating filamentary material and means therefor. 1,962,424; June 12.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. Pl. Pat. 96; May 15.
- Brownfield, George W., Washington, D. C. Package and closure element therefor. 1,950,539; Mar. 13.
- Browning, Artie J., assignor of one-fourth to E. M. Scarlett and one-fourth to T. B. Gamble, Brunswick, Ga. Protector for turpentine collecting receptacles. 1,948,783; Feb. 27.
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Interval timer. 1,975,347; Oct. 2.
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock and interval timer. 1,982,495; Nov. 27.
- Browning, Hugh K., Trenton, N. J. Adjustable toe cap for roller skates. 1,970,542; Aug. 21.
- Browning, J. E., Company, The. (See Browning, Jonathan E., assignor.)
- Browning, Jonathan E., assignor to The J. E. Browning Company, Inc., Ogden, Utah. Repeating firearm. 1,971,597; Aug. 28.
- Browning, Ralph R., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,984,914; Dec. 18.
- Browning, Russell A., sr., Rosiclare, Ill. Elevator and conveyor. 1,956,312; Apr. 24.
- Brownlee, Andrew C., Dearborn, Mich. Engine. 1,946,271; Feb. 6.
- Brownlee, Dalmar T., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Overrunning clutch. 1,952,415; Mar. 27.
- Brownlee, Dalmar T., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Two-way clutch and controlling mechanism. 1,954,614; Apr. 10.
- Brownlee, John A., Wichita, Kans. Self-grading device. 1,984,726; Dec. 18.
- Brownlee, Roy H., Pittsburgh, Pa. Cleansing composition. 1,946,272; Feb. 6.
- Brownley, George W., New York, N. Y. Pipe bend. 1,984,172; Dec. 11.
- Brownsdon, Henry W. (See Jackson, H. E., and Brownsdon.)
- Brownsey, Horace P., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Mechanism for controlling the ink feed in printing apparatus. 1,973,700; Sept. 18.
- Brownson, Allyn R., Asheville, N. C. Display and dispensing device. 1,968,013; July 31.
- Brownyer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Car wheel. 1,982,043; Nov. 27.
- Brubaker, Jacob E., assignor to The Hubley Manufacturing Company, Lancaster, Pa. Illuminated wheeled toy. 1,943,160; Jan. 9.
- Brubaker, Jacob E., assignor to The Hubley Manufacturing Company, Lancaster, Pa. Toy. 1,956,342; Apr. 24.
- Brubaker, Jacob E., assignor to The Hubley Manufacturing Company, Lancaster, Pa. Toy pistol. 1,962,387; June 12.
- Brubaker, Jacob Z., Manheim, Pa. Dual temperature cooling system for motors. 1,962,134; June 12.
- Brubaker, Jacob Z., Manheim, Pa. Force feed cooling system for internal combustion engines. 1,985,240; Dec. 25.
- Brubaker, John T., Wilksburg, Pa. Packing arrangement. 1,959,566; May 22.
- Brubaker, Walter S., assignor to Granberg Meter Corporation, San Francisco, Calif. Meter adjusting means. 1,949,006; Feb. 27.
- Brubaker, Walter S., assignor to Granberg Meter Corporation, San Francisco, Calif. Fluid meter. 1,981,831; Nov. 20.
- Bruce, Albert W., Ottumwa, Iowa. Machine and method for automatically treating poultry. 1,960,048; May 22.
- Bruce, Albert W., Ottumwa, Iowa. Machine for automatically treating poultry. 1,977,542; Oct. 16.
- Bruce, Challice N., New Castle, Pa. Self-starting siphon cream separator. 1,959,076; May 15.
- Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. High frequency transmission system. 1,947,247; Feb. 13.
- Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Transmission system. 1,959,407; May 22.
- Bruce, George A., Renton, and A. A. Mace, Foster, Wash. Arc welding metal electrode fragment holder. 1,979,528; Nov. 6.
- Bruce, Homer H. (See Russ, John A., assignor.)
- Bruce, Homer L., Houston, Tex. Receptacle. 1,981,853; Nov. 27.
- Bruce, Leo I., Holliston, Mass. Concrete form. 1,965,686; July 10.
- Bruite Processes, Inc. (See Howes, Raymond T., assignor.)
- Brück, Stephan, Berlin, Germany. Gripping device. 1,919,191; June 5.
- Brück, Stephan, Berlin, Germany. Chuck for gripping the inner and the outer periphery of hollow articles. 1,952,035; Mar. 20.
- Brucker, Ferdinand F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Valve for inflatable articles. 1,969,118; Aug. 7.
- Brucker, Henry, Maplewood, assignor to American Aluminum Ware Co., Newark, N. J. Container and pouring spout. 1,966,284; July 10.
- Bruckl, John, Union City, N. J., assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y. Vehicle upholstery. 1,979,792; Nov. 6.
- Brückner, Alfred, et al. (See Eisenach, Fritz, assignor.)
- Bruderlink, Robert. (See Mitzlaff, G., and Bruderlink.)
- Brucek, Bertha, Rochester, N. Y. Cigarette holder. 1,976,653; Oct. 9.
- Bruckl, John, Union City, N. J. Seat covering device. 1,954,376; Apr. 10.
- Bruenn, Alexander, New York, N. Y. Preparing warp. 1,948,646; Feb. 27.
- Bruesch, Lawrence F., and C. E. Akers, Chicago, Ill. Variable reading triple view sign. 1,967,658; July 24.
- Bruesshaber, Martin W., assignor to Goss Printing Press Company, Chicago, Ill. Stereotype printing plate. 1,942,408; Jan. 9.
- Bruistle, Armin O. (See Stenger, E. P., and Bruistle.)
- Brugge, Benjamin C., Alabama City, Ala., assignor to Gulf States Steel Company, Nail. 1,944,150; Jan. 23.
- Brügger, Jacob, Frutigen, Switzerland. Method of and machine for the production of sheets of flat matches. 1,963,225; June 19.
- Brügger, Xaver, Horgen, Switzerland. Yarn winding device. 1,959,567; May 22.
- Brugmann, Elmer. (See Browne, T. C., and Brugmann.)

- Brühl, Paul, Berlin-Lichtenberg, Germany, assignor to M. Staub, Calcutta, British, India. Antifriction bearing. 1,953,550; Apr. 3.
- Bruhn, Linda C., Auburndale, Wis. Manufacturing Cheddar cheese. 1,981,986; Nov. 27.
- Brujines, Johannes. (See Zecher, G., and Brujines.)
- Brujines, Johannes, J. G. W. Mulder, and E. Oosterhuis, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electric discharge tube. 1,976,385; Oct. 9.
- Brujinooghe, Peter. (See Cavanaugh, G. F., Calmeyn, and Brujinooghe.)
- Bruins, Paul F., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pickling. 1,962,295; June 12.
- Bruins, Paul F., assignor to A. O. Smith Corporation, Milwaukee, Wis. Heat exchange apparatus. 1,962,803; June 12.
- Brulatour, John L., Portland, Oreg. Pipe coupler. 1,949,451; Mar. 6.
- Brumbaugh, Andrew K., assignor to The White Motor Company, Cleveland, Ohio. Dump truck. 1,958,908; May 15.
- Brumbaugh, Andrew K., assignor to The White Motor Company, Cleveland, Ohio. Dump truck. 1,961,193; June 5.
- Brumbaugh, Isaac V., D. D. Burnside, and L. S. Kauffman, assignors to American Stove Company, St. Louis, Mo. Flash lighter construction for gas ranges. 1,957,442; May 8.
- Brumbelow, Welcome E., Los Angeles, Calif. Game apparatus. 1,962,680; June 12.
- Brumberger, Edward S., Wilmington, assignor to Delaware Rayon Company, New Castle, Del. Spinnerette. 1,964,659; June 26.
- Brumel, Harry P., New Britain, and L. E. Linsley, Plainville, assignors to The Stanley Works, New Britain, Conn. Wood cutting router bit. 1,963,611; June 19.
- Brumleve, Mortimer W. (See Lussky, C., and Brumleve.)
- Brumley, John D., Newark, N. J., assignor to Westinghouse Lamp Company. Sealing off. 1,945,769; Feb. 6.
- Brumm, George O., assignor to Oil Burner Products Company, Incorporated, Worcester, Mass. Liquid feeder. 1,977,571; Oct. 16.
- Brun, Georges J. P. J. J., assignor to Societe d'Etudes & d'Exploitations du Generateur a Piston Libre, St-Etienne, France. Fuel injection pump for internal combustion engines. 1,956,612; May 1.
- Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Priming mixture. 1,942,274; Jan. 2.
- Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Chemical compound. 1,943,513; Jan. 16.
- Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Chemical compound and priming mixture containing the same. 1,971,030; Aug. 21.
- Brün, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Priming mixture. 1,971,031; Aug. 21.
- Brün, Willi, Crefeld, Germany, assignor to Remington Arms Company, Inc. Basic lead salts of 3-5 dinitrobenzoic acid. 1,971,029; Aug. 21.
- Brunaa, Oluf U. B. J., Jyderup, Denmark, assignor to Gerard Industries Limited, London, England. Packing box for butter and other goods. 1,983,436; Dec. 4.
- Brundage, James W., assignor to The Summit Mold & Machine Company, Akron, Ohio. Hydraulic toggle press. 1,960,727; May 29.
- Brundage, James W., assignor to The Summit Mold & Machine Company, Akron, Ohio. Molding apparatus. 1,971,849; Aug. 28.
- Brundage, James W., assignor to The Summit Mold & Machine Company, Akron, Ohio. Toggle molding press. 1,976,833; Oct. 16.
- Brupe, Albert, Albert Lea, and G. H. Sterling, Minneapolis, Minn. Vehicle coupler. 1,944,213; Jan. 23.
- Brupe, Rudolf. (See Hagenböcker, A., and Brupe.)
- Brupe, Samuel O., and O. Peterson, Winnipeg, Manitoba, Canada. Preparing foundations. 1,979,670; Nov. 6.
- Bruner, Donald L., U. S. Army, Dayton, Ohio. Landing light. 1,966,436; July 17.
- Brunet, Robert L., Providence, H. Bracewell, Pawtucket, and F. A. Jenckes, Wickford, R. I., assignors, by mesne assignments, to Manville Jenckes Corporation. Winding machine. 1,948,438; Feb. 20.
- Brunette, Joseph W., Detroit, Mich. Fluid regulating and cut-off valve. 1,948,062; Feb. 20.
- Bruni, Riccardo, Genoa, Italy. Radio receiving system. 1,968,739; July 31.
- Bruninga, John H., trustee. (See Ford, John W.)
- Brüningshaus, Hugo, Wuppertal-Barmen, Germany. Tool for straining a wire and fastening the wire ends by twisting. 1,963,691; June 19.
- Brungs, Henry, Maspeh, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries and similar articles. Des. 92,451; June 12.
- Brunk, John H., Los Angeles, Calif. Elastic exercising device. 1,945,134; Jan. 30.
- Brunken, Johannes, Dessau in Anhalt, Germany, assignor to Azfa Anso Corporation, Binghamton, N. Y. Photographic gelatin layer. 1,941,852; Jan. 2.
- Brunn, Walter, Dresden, and C. Kaubisch, Freital-Zaukerode, near Dresden, assignors to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Device for reversing cigarettes and similarly-shaped articles of manufacture when packing same. 1,984,962; Dec. 18.
- Brunner, Albert, assignor to Wagner Electric Corporation, St. Louis, Mo. Hose fitting. 1,952,416; Mar. 27.
- Brunner, Albert H., Los Angeles, and H. H. Tice, Santa Monica, assignors to Schumacher Wall Board Corporation, Los Angeles, Calif. Method of and apparatus for forming channeled strips. 1,970,029; Aug. 14.
- Brunner, Elmer H., East Cleveland, assignor to Brunner-State Studios, Inc., Cleveland, Ohio. Clamping device. 1,944,166; Jan. 23.
- Brunner, Frank A., Brooklyn, N. Y. Dispenser for toothpicks and the like. 1,975,445; Oct. 2.
- Brunner, Gustav. (See Widmer, S., and Brunner.)
- Brunner, Gustav, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric current rectifying system. 1,945,627; Feb. 6.
- Brunner, Gustav, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric current rectifying system. 1,953,464; Apr. 3.
- Brunner, Gustav, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Motor control system. 1,980,950; Nov. 13.
- Brunner, Gustav, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Motor control system. 1,984,915; Dec. 18.
- Brunner, Harry A. (See Boutton, E., and Brunner.)
- Brunner-State Studios, Inc. (See Brunner, Elmer H., assignor.)
- Brunner, Walter, Olten, Switzerland. Electrical shaving machine for dry-shaving. 1,950,097; Mar. 6.
- Brunner, Walter, and J. J. Mulken, Glendale, Calif. Combination cigarette case and match holder. 1,982,855; Dec. 4.
- Brunner, William, Gas City, Ind., assignor to Owens-Illinois Glass Company. Box or carton. 1,967,348; July 24.
- Bruns, Alfred E., Huntington, and H. W. Rueger, Brooklyn, N. Y. Container. 1,951,543; Mar. 20.
- Bruns, August, Richmond Hill, N. Y. Awning construction. 1,973,944; Sept. 18.
- Bruns, Brunie E. (See McKinley, H. T., Nichols, Bruns, and Ford.)
- Bruns, William H. (See Lewis, J. D., and Bruns.)
- Bruns, William X., Chicago, Ill. Article support. 1,963,434; June 19.
- Brunstrum, Lawrence C., Chicago, Ill., and D. G. Loetscher, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. 1,970,902; Aug. 21.
- Brunstrum, Lawrence C., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 1,982,199; Nov. 27.
- Brunstrum, Lawrence C., Chicago, Ill., and M. R. Schmidt, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. 1,982,198; Nov. 27.
- Brunstrum, Lawrence C., Chicago, Ill., and W. P. Hilliker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Anhydrous lubricant. 1,982,200; Nov. 27.
- Brunsviga Maschinenwerke Grimme Natalis & Co. A. G. (See Coxhead, R. C., and Norton, assignors.)
- Brunsviga-Maschinenwerke Grimme Natalis & Co., Aktiengesellschaft. (See Haase, Richard, assignor.)
- Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
- Brunswick-Balke-Collender Company. (See Brown, Clarence W., assignor.)
- Brunswick-Balke-Collender Company, The. (See Hackett, Frank B., assignor.)
- Brunswick-Balke-Collender Company, The. (See Hedenskoog, Ernest, assignor.)
- Brunswick-Balke-Collender Company, The. (See Jackson, Robert W., assignor.)
- Brunswick-Balke-Collender Company. (See Marx, Samuel, assignor.)
- Brunswick-Balke-Collender Company, The. (See Marx, S., and Behrel, assignors.)
- Brunswick-Balke-Collender Company, The. (See Matteson, Jesse O., assignor.)
- Brunswick-Balke-Collender Company, The. (See Matteson, J. O., Ehrenpreis, Brown, and Guyton, assignors.)
- Brunswick-Balke-Collender Company, The. (See McKenzie, Herman E.)
- Brunt, Thomas A., Renfrew, Ontario, Canada. Weighing machine. 1,962,231; June 12.
- Brunt, Thomas B., Philadelphia, Pa. Air conditioning apparatus. 1,948,647; Feb. 27.
- Brunton, Earl W., assignor of one-half to M. L. Medart, St. Louis, Mo. Hand operated cigarette making machine. 1,981,137; Nov. 20.
- Brus, Emile P. (See Strang, J. J., and Brus.)
- Brusch, Friedrich W., Kiel, Germany. Flanged iron section. 1,975,534; Oct. 2.
- Brush, Abbott P., Greenwich, Conn. Drill. 1,964,030; June 26.
- Brush, Alanson P., Detroit, Mich. Hydraulic brake. 1,945,728; Feb. 6.
- Brush, Alanson P., Detroit, Mich., assignor to Bragg-Kliesrath Corporation. Fluid power transmission. 1,976,432; Oct. 9.
- Brush, George D. (See Hartford, F. M., and Brush.)
- Brush, Monroe W., Corning, N. Y. Accelerator pedal. Des. 91,802; Mar. 27.
- Brush, Wallace P., Chicago, Ill. Earring. 1,973,282; Sept. 11.
- Brush, William A., Detroit, Mich. Fishing fly. 1,973,139; Sept. 11.
- Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Emulsifying detergent and wetting agent. 1,952,008; Mar. 20.

- Bruson, Herman A., Philadelphia, Pa., J. D. Robinson, Audubon, N. J., and O. Stein, Philadelphia, Pa., assignors to Resinous Products & Chemical Co., Inc. Drier for oils, paints, and varnishes. 1,962,478; June 12.
- Bruson, Herman A., Germantown, and O. Stein, Drexel Hill, assignors to The Resinous Products & Chemical Co., Philadelphia, Pa. Siccativ composition. 1,969,709; Aug. 7.
- Brust, Erich, Brooklyn, N. Y. Window construction. 1,942,200; Jan. 2.
- Brüstle, Ferdinand, Nutley, N. J., assignor to Victor C. Thorne, New York, N. Y. Die shaping machine. 1,968,514; July 31.
- Brut, Georges F., Tonneins, France. Carburetor. 1,947,583; Feb. 20.
- Bruton, David N., Mertens, Tex. Cultivator attachment. 1,982,417; Nov. 27.
- Bruzon, David, Chicago, Ill. Flexible cable unit and applying connecting members thereto. 1,970,595; Aug. 21.
- Bryan, Andrew B. (See Heaps, C. W., Bryan, and Rushing.)
- Bryan, Billie. (See Young, J. W., Salyer, and Bryan.)
- Bryan, Cassius M., West Springfield, Mass. Paper making apparatus. 1,980,253; Nov. 13.
- Bryan, Charles S. (See Fiske, A. H., and Bryan.)
- Bryan, Charles S., assignor to Rumford Chemical Works, Rumford, R. I. Producing by-product calcium sulphate. 1,969,449; Aug. 7.
- Bryan, Harold W., South Hills, Pittsburgh, and F. H. Nicholson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Control system. 1,966,538; July 17.
- Bryan, J. E., et al. (See Roberts, Joseph P., assignor.)
- Bryan, Reginald M., New York, N. Y. Vapor projector. 1,962,100; June 5.
- Bryan, William J., Jr. (See Thomas, Richard, assignor.)
- Bryans, James H., Hastings, Nebr. Truing caliper. 1,977,754; Oct. 23.
- Bryant Electric Company, The. (See Abbott, Charles W., assignor.)
- Bryant Electric Company, The. (See Barksdale, George R., assignor.)
- Bryant Electric Company, The. (See Cunningham, Roy H., assignor.)
- Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)
- Bryant, Frank L., assignor to Cellufoam Corporation, Chicago, Ill. Distended fibrous product. 1,966,437; July 17.
- Bryant, Fredric W., New Rochelle, N. Y. Sport shirt. 1,956,489; Apr. 24.
- Bryant, George R., Lawrenceville, Ill., and F. K. Govers, Vincennes, Ind., assignors to Indian Refining Company, Lawrenceville, Ill. Removal of wax from hydrocarbon oils. 1,969,201; Aug. 7.
- Bryant Heater Company, The. (See Stark, Willet E., assignor.)
- Bryant, Jerrus M., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Lubricating device for power transmission mechanisms. 1,960,693; May 29.
- Bryant, Joseph M., et al. (See Mize, Earl W., assignor.)
- Bryant, Louis P., et al. (See Haydel, Whitney A., assignor.)
- Bryant, Nathan B., Ronceverte, W. Va. Sign and indicator. 1,946,385; Feb. 6.
- Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Load responsive control. 1,950,594; Mar. 13.
- Bryant Paper Company. (See Clements, William B., assignor.)
- Bryant, Roy, Omaha, Nebr. Handle control for fishing reels. 1,974,640; Sept. 25.
- Bryant, Roy B., Dallas, Tex. Automatic radio tuning apparatus. 1,947,186; Feb. 13.
- Bryant, Virgil C., Gooding, Ohio. Adjustable inclinometer. 1,970,883; Aug. 21.
- Bryant, Willis W., Chatsworth, Calif. Oil well apparatus. 1,946,304; Feb. 6.
- Bryant, Worth. (See Yates, James M., assignor.)
- Bryce, Henry W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card pairing device. 1,954,038; Apr. 10.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Alternating current and direct current secondary clock with individual rectifier. 1,944,502; Jan. 23.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Time recorder. 1,946,896; Feb. 13.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,950,475; Mar. 13.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card perforating machine. 1,950,476; Mar. 13.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale. 1,957,198; May 1.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,962,731; June 12.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Counter control. 1,965,974; July 10.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,967,741; July 24.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,967,742; July 24.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Adding and sorting machine. 1,973,246; Sept. 11.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing device. 1,976,599; Oct. 9.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,973,931; Oct. 30.
- Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Word printing mechanism. 1,981,987; Nov. 27.
- Bryce, James W., Bloomfield, N. J., and H. L. Haltermann, Binghamton, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record controlled punching machine. 1,962,732; June 12.
- Bryce Limited. (See Sidney, Arthur A., assignor.)
- Brykczynski, Charles, and J. Chmurszynski, assignors to Geo. F. Stuhmer & Company, New York, N. Y. Portable rack. 1,971,744; Aug. 28.
- Brylski, Lukas, Mikultschutz, Germany. Apparatus for grinding and stropping hollow ground razor blades. 1,983,214; Dec. 4.
- Bryner, Fred. (See Britton, E. C., and Bryner.)
- Bryson, Tandy A., Troy, N. Y. Method of and apparatus for controlling a characteristic of a material. 1,985,312; Dec. 25.
- Bryson, Tandy A., Troy, N. Y. Apparatus for controlling a characteristic of a material. 1,985,313; Dec. 25.
- Brzeski, Henryk, Warsaw, Poland. Loud speaker. 1,976,874; Oct. 16.
- Buc, Hyum E., Roselle, N. J., assignor to Standard Oil Development Company. Producing alkylated phenols. 1,954,985; Apr. 17.
- Buc, Hyum E., Roselle, N. J., assignor to Standard Oil Development Company. Purification of petroleum sulphonates. 1,981,799; Nov. 20.
- Buc, Hyum E., Roselle, and R. Schuler, Elizabeth, N. J., assignors to Standard Oil Development Company. Production of alkyl phenols. 1,948,287; Feb. 20.
- Buchan, Hugh G., Philadelphia, Pa. Directory holder. 1,953,334; Apr. 3.
- Buchan, Hugh G., Philadelphia, Pa. Locking mechanism for binders. 1,972,417; Sept. 4.
- Buchanan, Andrew B., Peekskill, N. Y. Oilcloth. 1,956,343; Apr. 24.
- Buchanan, David D., assignor to Union Drawn Steel Company, Massillon, Ohio. Drawing wire. 1,972,473; Sept. 4.
- Buchanan, Guy H., Westfield, and G. B. Winner, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Process of recovering hydrocyanic acid. 1,967,051; July 17.
- Buchanan, John C., assignor to Detroit Gear & Machine Company, Detroit, Mich. Bearing retaining means. 1,978,186; Oct. 23.
- Buchanan, John H. (See Hixon, R. M., McGlumphy, Eichinger, and Buchanan.)
- Buchanan, John R., and T. M. Cray, Ottawa, Ontario, Canada. Manufacturing wire cloth belts. 1,979,063; Oct. 30.
- Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Heat exchange apparatus. 1,967,019; July 17.
- Buchanan, Russell B., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Operator's position equipment. 1,942,471; Jan. 9.
- Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Grounding fitting. 1,976,478; Oct. 9.
- Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical fitting. 1,982,464; Nov. 27.
- Buchanan, William E. (See Weissenborn, A. B., and Buchanan.)
- Büche, Karl. (See Wiedbrauck, E., and Büche.)
- Buchel, Johannes A., and R. N. Jan Saal, Amsterdam, Netherlands, assignors, by mesne assignments, to Shell Development Company, San Francisco, Calif. Refining hydrocarbon oils. 1,945,516; Feb. 6.
- Bucherer, Hans T., Munich, Germany. Preparation of naphthoquinone dyes. 1,977,982; Oct. 23.
- Bucherer, Max, Berlin-Reinickendorf West, Germany. Carburetor. 1,941,658; Jan. 2.
- Buchert, Harry. (See Priebe, E. B., and Buchert.)

- Buchhardt, Enghardt H., assignor to one-third to L. Judsen and one-third to A. W. Sexsmith, Chicago, Ill. Cigarette holder or the like. Des. 93,001; Aug. 14.
- Buchhold, Theodor, Mannheim-Neustheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Motor control system. 1,980,951; Nov. 13.
- Buchholtz, Herbert, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Increasing the mechanical strength properties of steel. 1,957,427; May 8.
- Buchholz, Max, Cassel, Germany, assignor to Walter Kidde & Company, New York, N. Y. Bolometric resistance. 1,984,112; Dec. 11.
- Buchholz, Max E., assignor to Bright Star Battery Company, Hoboken, N. J. Flash light. 1,946,059; Feb. 6.
- Buchi, Alfred, Winterthur, Switzerland. Internal combustion engine. 1,955,620; Apr. 17.
- Buchina, Joseph. (See Koch, Lydia B., and Buchina.)
- Buchman, Samuel J., New York, N. Y. Child's legging and ski pants. 1,981,088; Nov. 20.
- Buchmüller, Alfred, Konz, near Trier, assignor of forty per cent to P. Zettelmeyer, Konz, twenty per cent to Mrs. M. Weber, twenty per cent to Mrs. Dr. E. Bichler, Trier, twenty per cent to Mrs. Dr. H. Corsten, Berlin-Lichterfelde, Germany. Milling cutter. 1,948,648; Feb. 27.
- Bucholz, John, Perth Amboy, N. J. Folding stand. 1,946,610 Feb. 13.
- Buchtel, Clyde E. (See Lowrie, R. W., and Buchtel.)
- Buck, Albert, Zurich, Switzerland. Motorless floor-cleaning machine for use on transportable electric vacuum apparatus. 1,954,066; Apr. 10.
- Buck, Arthur W., assignor to Buck X-Ograph Company, St. Louis, Mo. Film developing and handling frames. 1,955,575; Apr. 17.
- Buck, Everett A., and L. W. Morey, Millinocket, Maine. Therapeutic apparatus. 1,942,914; Jan. 9.
- Buck, Fred, assignor to Lufkin Rule Co., Saginaw, Mich. Tape measure. 1,966,707; July 17.
- Buck, Fred, assignor to Lufkin Rule Co., Saginaw, Mich. Measuring tape. 1,973,843; Sept. 18.
- Buck, Fred, and E. J. Witcher, assignors to Lufkin Rule Co., Saginaw, Mich. Making concavo-convex tape measures. 1,964,248; June 26.
- Buck X-Ograph Company. (See Buck, Arthur W., assignor.)
- Buckel, Harold F., Muskegon, Mich. Fume hood. 1,972,917; Sept. 11.
- Buckendale, Laurence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Motor vehicle. 1,946,060; Feb. 6.
- Buckendale, Laurence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automotive driving axle. 1,985,815; Dec. 25.
- Bücker, Hanns. (See Baumann, P., Stadler, Schilling, and Bücker.)
- Buckeye Aluminum Company, The. (See Parker, Earl S., assignor.)
- Buckeye Aluminum Company, The. (See Porter, Kirk E., assignor.)
- Buckeye Blower Company. (See Ewald, Warren, assignor.)
- Buckeye Forging Company, The. (See Meek, John B., assignor.)
- Buckeye Incubator Manufacturing Company, The. (See Hart, Thomas H., assignor.)
- Buckeye Incubator Manufacturing Company, The. (See Jolliffe, Charles B., assignor.)
- Buckeye Incubator Manufacturing Company, The. (See Schaefer, Carl A., Jr., assignor.)
- Buckeye Incubator Manufacturing Company, The. (See Sturgis, La Verne C., assignor.)
- Buckeye Iron and Brass Works. (See Huffman, W. P., and Rike, assignors.)
- Buckeye Iron and Brass Works. (See Rike, Frederick F., assignor.)
- Buckeye Iron and Brass Works. (See Webb, Howard W., assignor.)
- Buckeye Steel Castings Company, The. (See Hansen, Merritt R., assignor.)
- Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)
- Buckeye Steel Castings Company, The. (See Johnson, G. T., and Murphy, assignors.)
- Buckeye Steel Castings Company, The. (See Larsen, Jacob C., assignor.)
- Buckeye Steel Castings Company, The. (See Murphy, George M., assignor.)
- Buckeye Steel Castings Company, The. (See Orr, Claude L., assignor.)
- Buckeye Steel Castings Company, The. (See Stertzbach, Harry W., assignor.)
- Buckeye Steel Castings Company, The. (See Wolfe, Harry H., assignor.)
- Buckeye Traction Ditcher Company, The. (See Yocum, Charles F., assignor.)
- Buckeye Twist Drill Company, The. (See Rodman, C. J., and Immire, assignors.)
- Buckingham, Benjamin J., Ravinia, Ill. Ball teeing device. 1,948,020; Feb. 20.
- Buckingham, Norris R., assignor to Atlas Drop Forge Company, Lansing, Mich. Crank shaft twisting machine. 1,954,281; Apr. 10.
- Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Roller bearing journal box. 1,944,705; Jan. 23.
- Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Side frame and journal box therefor. 1,962,579; June 12.
- Buckius, Albert O., assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Roller bearing journal box. 1,963,777; June 19.
- Buckland, George G., San Francisco, Calif. Combination stove and heater. 1,970,075; Aug. 14.
- Buckle, Horace L. T., Wheatley, England, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Production of metal stampings. 1,958,467; May 15.
- Buckle, Horace L. T., Iver Heath, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Talking machine. 1,968,927; Aug. 7.
- Bucklen, Herbert E., Elkhart, Ind. Automobile heating system. 1,966,882; July 17.
- Bucklen, Herbert E., Elkhart, Ind. Gaseous fluid vaporizer and mixer. 1,973,745; Sept. 18.
- Bucklen, Herbert E., Elkhart, Ind., assignor of one-half to J. A. Diener, Evanston, Ill. Engine. 1,981,610; Nov. 20.
- Bucklen, Herbert E., Elkhart, Ind., assignor of one-half to J. A. Diener, Evanston, Ill. Internal combustion engine. 1,984,862; Dec. 18.
- Buckler, Buel F., Columbia, Mo. Generator regulation. 1,955,111; Apr. 17.
- Buckler, Charles H., Camden, N. J. Game apparatus. 1,950,221; Mar. 6.
- Buckley, Arthur B., Carshalton, England. Valve gear. 1,950,222; Mar. 6.
- Buckley, Earl J., and F. R. Stevens, Hamilton, Ontario, Canada. Air conditioning machine. 1,957,816; May 1.
- Buckley, George L. (See Irmischer, H., and Buckley.)
- Buckley, James R., and C. A. Doran, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of esters of organic acids. 1,949,267; Feb. 27.
- Buckley, John P., Washington, D. C. Polishing machine. 1,962,135; June 12.
- Buckley, John P., Washington, D. C. Metallographic polishing machine. 1,972,086; Sept. 4.
- Buckley, John P., Washington, D. C. Diagnostic method and apparatus. 1,983,534; Dec. 11.
- Buckley, Oliver E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine cable. 1,982,784; Dec. 4.
- Buckley, Oliver E., Maplewood, N. J., and F. S. Malm, Nordenham, Germany, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicore cable with thermoplastic insulation. 1,957,487; May 8.
- Buckley, Robert J., Elizabeth, N. J. Inlet and outlet attachment for heat radiators. 1,952,361; Mar. 27.
- Buckley, Walter D. (See McKesson, C. L., Thompson, and Buckley.)
- Buckman, Harold W., Pittsburgh, Pa., assignor to B. & D. Manufacturing Company, Inc. High pressure valve seating structure. 1,983,163; Dec. 4.
- Bucknall, Alfred, Swanley, England. Pit cage and the like. 1,981,306; Nov. 20.
- Bucknam, Worth C., and G. I. Jones, Buffalo, N. Y., assignors to The Linde Air Products Company. Multiple flame welding nozzle. 1,947,755; Feb. 20.
- Buckner, Orello S., Westboro, Mass. Abrasive tool. 1,963,823; June 19.
- Buckner, Thomas E., Burkburnett, Tex. Conveyor belt. 1,962,980; June 12.
- Buckner, William A., Fresno, Calif. Rotary cam drive sprinkler. 1,970,126; Aug. 14.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing and cage. 1,949,824; Mar. 6.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive drive. 1,951,126; Mar. 13.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck. 1,952,043; Mar. 27.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck. 1,953,103; Apr. 3.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Antifriction bearing. 1,961,134; June 5.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rail vehicle truck. 1,967,804; July 24.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway truck construction. 1,967,805; July 24.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway truck construction. 1,967,806; July 24.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway truck construction. 1,967,807; July 24.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck. 1,967,808; July 24.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive eccentric crank and crank pin construction. 1,969,500; Aug. 7.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck for locomotives, passenger cars, and the like. 1,982,898; Dec. 4.

- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing and cage. 1,982,899; Dec. 4.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Brake drum. 1,982,900; Dec. 4.
- Buckwell, Arthur W., Quincy, assignor to Ginn and Company, Boston, Mass. Copy preparing machine. 1,949,036; Feb. 27.
- Bucky, Gustav, New York, N. Y. Luminous indicator for measuring instruments. 1,949,600; Mar. 6.
- Bucky, Gustav, New York, N. Y. Apparatus for producing orthodiagraphic diagrams. 1,955,715; Dec. 25.
- Bucy, Edmond H., Waukegan, assignor, by mesne assignments, to Atlas Powder Company, North Chicago, Ill. Composition of matter yielding films. 1,965,453; July 3.
- Bucy, Milton, Waukegan, Ill. Vaporizer. 1,975,082; Oct. 2.
- Bucyrus-Erie Company. (See Davidson, Trevor, assignor.)
- Bucyrus-Erie Company. (See Lehman, Werner, assignor.)
- Bucyrus-Erie Company. (See Oates, Edward F., assignor.)
- Buda, Arthur S., Miami, Fla. Scissors. 1,967,549; July 24.
- Budd, Anthony G., and Henry Barton, West Moors, Dorset, England. Mechanical appliance for removing feathers, stubs, and down from fowls, game-birds, ducks, geese, or the like. 1,980,034; Nov. 6.
- Budd, Clarence E., assignor to Bendix Brake Company, South Bend, Ind. Making webs for brake shoes. 1,946,061; Feb. 6.
- Budd, Clarence E., assignor to Bendix Brake Company, South Bend, Ind. Making brake shoes. 1,950,223; Mar. 6.
- Budd, Edward G., assignor to Budd Wheel Company, Philadelphia, Pa. Making brake drums. 1,943,956; Jan. 9.
- Budd, Edward G., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Fabricating and welding wide sheets of metal. 1,958,158; May 8.
- Budd, Edward G., Philadelphia, Pa., and E. Ibach, New York, N. Y., assignors, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Machine and method for rolling tapered disks and article produced thereby. Re19,130; Apr. 3.
- Budd, Edward G., Manufacturing Company. (See Buckle, Horace L. T., assignor.)
- Budd, Edward G., Manufacturing Company. (See Budd, Edward G., assignor.)
- Budd, Edward G., Manufacturing Company. (See Eksergian, Carolus L., assignor.)
- Budd, Edward G., Manufacturing Company. (See Hartmann, Alexander M., assignor.)
- Budd, Edward G., Manufacturing Company. (See Hartmann, Alexander M. H., assignor.)
- Budd, Edward G., Manufacturing Co. (See Kelley, Edward G., assignor.)
- Budd, Edward G., Manufacturing Company. (See Kelley, George L., assignor.)
- Budd, Edward G., Manufacturing Company. (See Kelley, G. L., and Hanson, assignors.)
- Budd, Edward G., Manufacturing Company. (See La Porte, Ralph P., assignor.)
- Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
- Budd, Edward G., Manufacturing Co. (See Meinel, W. J., assignor.)
- Budd, Edward G., Manufacturing Company. (See Miller, P. N., and Trautvetter, assignors.)
- Budd, Edward G., Manufacturing Co. (See Mungen, Theodore, assignor.)
- Budd, Edward G., Manufacturing Company. (See Paugh, James J., assignor.)
- Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)
- Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Whitesell, assignors.)
- Budd, Edward G., Manufacturing Company. (See Rosenberg, Ralph H., assignor.)
- Budd, Edward G., Manufacturing Company. (See Stever, William, assignor.)
- Budd, Edw. G., Mfg. Company. (See Tarbox, John P., assignor.)
- Budd, Edward G., Manufacturing Company. (See Trautvetter, George, assignor.)
- Budd, Edward G., Manufacturing Company. (See Uecker, Frederick J., assignor.)
- Budd, Edward G., Manufacturing Company. (See Walmsley, George, assignor.)
- Budd, Edward G., Manufacturing Company. (See Whitesell, John C., Jr., assignor.)
- Budd, John G. H., St. Pancras, England. Lapping machine. 1,963,884; June 19.
- Budd, Louis H., Malden, assignor to Chaffin Optical Company, Inc., Boston, Mass. Center bar for ophthalmic mountings. Des. 92,452; June 12.
- Budd, Robert D., assignor to Pierce Steel Pile Corporation, New York, N. Y. Pile driving head. 1,943,420; Jan. 16.
- Budd Wheel Company. (See Baker, P. E., and Kop, assignors.)
- Budd Wheel Company. (See Budd, Edward G., assignor.)
- Budd Wheel Company. (See Budd, E. G., and Ibach, assignors.)
- Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
- Budd Wheel Company. (See Eksergian, C. L., and Davenport, assignors.)
- Budd Wheel Company. (See Eksergian, C. L., and Smith, assignors.)
- Budd Wheel Company. (See Eksergian, C. L., and Temple, assignors.)
- Budd Wheel Company. (See Farr, Warren H., assignor.)
- Budd Wheel Company. (See Farr, W. H., and Eksergian, assignors.)
- Budd Wheel Company. (See Farr, W. H., Eksergian, and Smith, assignors.)
- Budd Wheel Company. (See Gaenssle, Paul W., assignor.)
- Budd Wheel Company. (See Gaenssle, P. W., and Davenport, assignors.)
- Budd Wheel Company. (See Hanson, Arthur F., assignor.)
- Budd Wheel Company. (See Rosenberg, Ralph H., assignor.)
- Budd Wheel Company. (See Tarbox, John P.)
- Budd Wheel Company. (See Temple, Robert B., assignor.)
- Budd Wheel Company. (See Weightman, William A., assignor.)
- Budde, Carl C. L. G., Copenhagen, Denmark. Base-exchange material and the production thereof. 1,974,010; Sept. 18.
- Budenbom, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Geometrical instrument. 1,951,899; Mar. 20.
- Budlong, Robert D., Chicago, Ill., assignor to United Autographic Register Company. Combined autographic register and cash drawer. Des. 92,699; July 10.
- Bläschel, Michael, Cologne-Holweide, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Electric power cable. 1,948,439; Feb. 20.
- Buecker, Guenther, Scotia, N. Y., assignor to General Electric Company. Gas tight seal and making same. 1,958,263; May 8.
- Buecker, Heinrich, Hohenlimburg, and H. Buecker, Hagen-Kabel, Germany. Television. 1,974,911; Sept. 25.
- Buecker, Hubert. (See Buecker, Heinrich and H.)
- Bueckert, Hanns, Ludwigshafen-on-the-Rhine, and R. Stadler, Ziegelhausen, and H. Tanneberger, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purification of acetylene. 1,945,592; Feb. 6.
- Buede, Conrad G., Baltimore, Md. Snow guard. 1,933,518; Dec. 11.
- Buehle, George A., Burlingame, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Mounting wheels upon shafts. 1,959,901; May 22.
- Buehler, Emil O., Detroit, Mich. Hand operated weeding and cultivating tool. 1,960,894; May 29.
- Buehrig, Gordon M., Auburn, Ind., assignor to Cord Corporation, Chicago, Ill. Automobile. Des. 93,451; Oct. 2.
- Buehring, Frederick M., Edsberg, Tureberg, Sweden. Packing ledge. 1,966,160; July 10.
- Buek, Tycho, Jr., Philadelphia, Pa. Sandal or similar article. Des. 92,519; June 19.
- Bueker, Frederick W., Brookville, Kans. Cutter for corn harvesters. 1,943,201; Jan. 9.
- Buekers, John H., Jr., Detroit, Mich. Gun port closure. 1,977,040; Oct. 16.
- Buell, Albert E., assignor to Phillips Petroleum Company, Bartlesville, Okla. Revivification of spent clays. 1,945,215; Jan. 30.
- Buell Combustion Company Limited, The. (See Aubé, Jean, assignor.)
- Buelna, Guadalupe, and H. B. J. Vacher, Santa Barbara, Calif. Sprinkler. 1,933,929; Dec. 11.
- Buenger, Edward F., Oak Park, assignor to Wilson-Jones Company, Chicago, Ill. Ring book assembling machine. 1,974,560; Sept. 25.
- Buenger, Edward F., Oak Park, and F. D. Wedge, Lombard, assignors to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,957,039; May 1.
- Buente, Charles F., (See McDowell, C. A., and Buente.)
- Buerger, Leo, New York, N. Y. Cystoscope and the like. 1,958,656; May 15.
- Buerke, Jesse C., Tampa, Fla. Dynamo electric machine. 1,978,100; Oct. 23.
- Bueschel, Andrew E., Chicago, Ill. Carton. 1,944,214; Jan. 23.
- Bueschel, Fritz, assignor to Essex Specialty Co., Inc., Hackensack, N. J. Top. 1,985,716; Dec. 25.
- Buescher Band Instrument Co. (See Beers, Otis E., assignor.)
- Buettell, Samuel E., Chicago, and F. J. Schraeder, Jr., Glen Ellyn, assignors, by mesne assignments, to Mechanical Parking Patents, Inc., Chicago, Ill. Method and apparatus for transferring vehicles. 1,973,605; Sept. 11.
- Buettner, Henry J., assignor of one-tenth to A. H. Konig and one-tenth to G. W. Hanna, West Allis, Wis. Lawn edge trimmer. 1,970,838; Aug. 21.
- Buff, Carl T., Berlin-Spandau, and R. Heinrich, Berlin-Suedende, Germany, assignors, by mesne assignments, to International Precipitation Company, Los Angeles, Calif. Electrical precipitation apparatus. 1,961,658; June 5.
- Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
- Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)

- Buffalo Electric Furnace Corporation. (See Wiles, Sydney T., assignor.)
- Buffalo Electro Chemical Co. Inc. (See Bosing, Ernest A., assignor.)
- Buffalo Electro-Chemical Co. Inc. (See Kauffmann, Hans O., assignor.)
- Buffalo Envelope Company. (See Reineman, Laurence G., assignor.)
- Buffalo Forge Company. (See Yates, Arthur T., assignor.)
- Buffalo Foundry & Machine Company. (See Kermer, Martin J., assignor.)
- Buffalo Foundry and Machine Co. (See Neubauer, Herman E., assignor.)
- Buffalo Pressed Steel Company. (See Haas, Lucien L., assignor.)
- Buffalo Steel Company. (See Kibler, William J., assignor.)
- Buffalo Wire Works Co. Inc. (See Scheeler, Charles A., assignor.)
- Buffalo, Benjamin E., assignor of one-half to M. L. Beutel, Memphis, Tenn. Precast concrete step. 1,985,143; Dec. 18.
- Buffelen, John, Tacoma, Wash. Cabinet ironing board. 1,970,734; Aug. 21.
- Bugatti, Ettore, Molsheim, France. Automobile dash-board. 1,972,438; Sept. 4.
- Bugatti, Ettore, Molsheim, France. Elastic wheel for railway vehicles. 1,985,144; Dec. 18.
- Bugatti, Ettore, Molsheim, France. Front axle for automobile vehicles. 1,985,145; Dec. 18.
- Bugatti, Jean, Molsheim, France. Suspension of railway cars and other vehicles. 1,959,704; May 22.
- Bugaud, Charles, St.-Germain-sur-Morin, France. Internal combustion engines. 1,954,916; Apr. 17.
- Bugaud, Charles, St. Germain, sur Morin Par Couilly S/ Marne, France. Fuel vaporizing device. 1,969,202; Aug. 7.
- Buggeln & Smith. (See Smith, Carlton H., assignor.)
- Buhler, Henry W., Gloucester, Mass. Molded trimming. Re19,257; July 31.
- Buhler, Henry W., Gloucester, Mass. Fly swatter. 1,966,198; July 10.
- Buhlman, Charles. (See Truppe, J., and Buhlman.)
- Buhlmann, A. W., Inc. (See Buhlmann, Adolph W., assignor.)
- Buhlmann, Adolph W., assignor to A. W. Buhlmann, Inc., New York, N. Y. Method of and apparatus for pre-shrinking and conditioning fabrics. 1,963,292; June 19.
- Buholzer, Fridolin A., and G. Schock, New York, N. Y. Envelope or like container. 1,957,626; May 8.
- Buholzer, Fridolin A., and G. Schock, New York, N. Y. Envelope or like container. 1,957,627; May 8.
- Buholzer, Joseph, assignor of one-fifth to P. J. Huttenlocher, Nueva Gerona, Isla de Pinos, Cuba. Camera. 1,949,351; Feb. 27.
- Buhr, Joseph F., Ann Arbor, Mich. Socket-collet structure. 1,973,943; Sept. 18.
- Buhr, Joseph F., assignor to Buhr Machine Tool Co., Ann Arbor, Mich. Table index mechanism. 1,946,835; Feb. 13.
- Buhr, Joseph F., assignor to Buhr Machine Tool Company, Ann Arbor, Mich. Socket-collet structure. 1,973,942; Sept. 18.
- Buhr, Leo J., Lake Zurich, Ill. Illuminated card holder. 1,943,719; Jan. 16.
- Buhr Machine Tool Co. (See Buhr, Joseph F., assignor.)
- Buhrig, William H., Mount Vernon, and A. Schultz, and C. N. Frey, New York, N. Y., assignors by mesne assignments, to Standard Brands Incorporated, Dover, Del. Compressed yeast product. 1,970,275; Aug. 14.
- Buhrke, Alfred E., and A. F. Heeter, Chicago, Ill.; said Heeter assignor to said Buhrke. Golf club. 1,976,323; Oct. 9.
- Buhrke, Alfred E., and A. F. Heeter, Chicago, Ill.; said Heeter assignor to said Buhrke. Golf club. 1,976,324; Oct. 9.
- Buhrmaster, Frederick R., Webster Groves, assignor to St. Louis Basket & Box Corporation, St. Louis, Mo. 1,982,785; Dec. 4.
- Builders Iron Foundry. (See Connet, Richard E., assignor.)
- Builders Iron Foundry. (See Wilde, Kurt, assignor.)
- Buka, Simeon, Cincinnati, Ohio. Treating fuel. 1,979,730; Nov. 6.
- Bukolt, Roman B., Stevens Point, Wis. Toy vehicle. 1,973,746; Sept. 18.
- Bukolt, Roman B., Stevens Point, Wis. Roller bearing wheel. 1,973,747; Sept. 18.
- Bulanda, Frank, et al. (See Bulanda, Johann, assignor.)
- Bulanda, Johann, assignor of one-fifth to F. Bulanda and one-fifth to J. Biskup, Chicago, Ill. Automobile lock for gear shift levers. 1,969,350; Aug. 7.
- Bulger, William A., Chicago, Ill., assignor to Petroleum Heat and Power Company, New York, N. Y. Air conditioning apparatus. 1,952,862; Mar. 27.
- Bulkeley, Claude A., assignor to Niagara Blower Company, Buffalo, N. Y. Apparatus for ventilating and conditioning buildings. 1,949,735; Mar. 6.
- Bull, Arthur W., assignor to Rubber Regenerating Company, Naugatuck, Conn. Separating rubber and fiber. 1,953,150; Apr. 3.
- Bull, Arthur W., Grosse Pointe Village, assignor to United States Tire Company, Incorporated, Detroit, Mich. Mounting tires. 1,966,580; July 17.
- Bull, Arthur W., Leonia, N. J., and E. R. Ramsey, Larchmont, assignors to The Dorr Company, Inc., New York, N. Y. Manufacture of sugar. 1,941,461; Jan. 2.
- Bull, Glen C. (See Jaffe, Harry, assignor.)
- Bull, Reginald A., Croydon, and C. J. P. Small, G. A. G. Simpson, and C. G. Mayer, London, England, assignors to Electrical Research Products Inc., New York, N. Y. Translucent optical projection screen. 1,970,358; Aug. 14.
- Bullard, Arthur B., Ashland, Mo. Anchoring device. 1,955,902; Apr. 24.
- Bullard Company. (See Bullard, Dudley B., assignor.)
- Bullard Company, The. (See Bullard, Edward C., assignor.)
- Bullard Company, The. (See Dunn, Thomas E., assignor.)
- Bullard Company, The. (See Tillman, John R., assignor.)
- Bullard, Dudley B., Southport, Conn., assignor to The Bullard Company. Drilling attachment. 1,958,844; May 15.
- Bullard, Dudley B., Southport, Conn., assignor to The Bullard Company. Machine tool driving connection. 1,984,052; Dec. 11.
- Bullard, Edward C., Southport, Conn., assignor to The Bullard Company. Machine tool control mechanism. 1,960,296; May 29.
- Bullard, Edward C., Southport, Conn., assignor to The Bullard Company. Headstock unit. 1,970,277; Aug. 14.
- Bullard, Edward P., Fairfield, Conn., assignor to The Bullard Company. Unit spindle bearing assembly. 1,970,276; Aug. 14.
- Bullard, Lewis H., Kalamazoo, Mich. Clothes rack. 1,973,521; Sept. 11.
- Bullard, William R., Flushing, N. Y. Automatic circuit breaker. 1,959,522; May 22.
- Bulldog Electric Products Company. (See Frank, Harrison J. L., assignor.)
- Bulldog Electric Products Company. (See Frank, Harrison J. L. and W. H., assignors.)
- Bulldog Electric Products Company. (See Frank, H. J. L., and Hollingsworth, assignors.)
- Bulldog Electric Products Company. (See Frank, H. J. L., Messing, and Harper, assignors.)
- Bulldog Electric Products Company. (See Frank, William H., assignor.)
- Bulldog Electric Products Company. (See Frank, W. H., and Messing, assignors.)
- Bulldog Electric Products Company. (See Hollingsworth, Clarence T., assignor.)
- Buller, Charles R., assignor to The Heil Co., Milwaukee, Wis. Fluid control valve. 1,985,279; Dec. 25.
- Buller, David W., Redkey, Calif. Automatic hair clipping attachment. 1,982,979; Dec. 4.
- Bulley, George W., Akron, Ohio. Humidity controller. 1,953,923; Apr. 10.
- Bullimore, William R., and L. H. Bedford, assignors to A. C. Cossor Limited, Highbury Grove, England. Cathode ray apparatus. 1,973,606; Sept. 11.
- Bullington, Frank A., Los Angeles, Calif., assignor to Bullington Motors, Kansas City, Mo. Sealing means for annular cylinder engines. 1,944,875; Jan. 30.
- Bullington, Frank A., assignor to Bullington Motors, Kansas City, Mo., a common-law trust. Sealing means for annular cylinder engines. 1,967,703; July 24.
- Bullington Motors. (See Bullington, Frank A., assignor.)
- Bullmer, Andrew, assignor to Wagner Electric Corporation, St. Louis, Mo. Oil reservoir for bearings. 1,967,705; July 24.
- Bullock, John, Hoboken, N. J. Microregulator for clocks. 1,961,958; June 5.
- Bullock Auto-Gear Limited. (See Bullock, Howard W., assignor.)
- Bullock, Edward W. (See Gleason, J. E., and Bullock.)
- Bullock, Fred J., assignor to Papee Machine Company, Shortsville, N. Y. Mixing machine. 1,958,939; May 15.
- Bullock, Giles E., assignor to E. C. Brown Co., Rochester, N. Y. Velocipede. Des. 93,152; Aug. 28.
- Bullock, Giles E., assignor to E. C. Brown Co., Rochester, N. Y. Velocipede. Des. 93,155; Aug. 28.
- Bullock, Giles E., assignor to E. C. Brown Co., Rochester, N. Y. Velocipede. Des. 94,114; Dec. 25.
- Bullock, Giles E., assignor to The E. C. Brown Co., Rochester, N. Y. Step plate. 1,979,861; Nov. 6.
- Bullock, Giles E., assignor to E. C. Brown Co., Rochester, N. Y. Velocipede frame construction. 1,934,916; Dec. 18.
- Bullock, Howard W., assignor to Bullock Auto-Gear Limited, Harrow, Middlesex, England. Variable speed transmission gearing. 1,953,551; Apr. 3.
- Bullock, Pearl H., Kelso, Wash. Electrical test set. 1,969,713; Aug. 14.
- Bullows, Richard J., assignor to The Gear Grinding Company Limited, Handsworth, Birmingham, England. Indexing mechanism. 1,965,541; July 3.
- Bullows, Richard J., assignor to The Gear Grinding Company Limited, Handsworth, Birmingham, England. Indexing or dividing mechanism for machine tools. 1,973,329; Sept. 11.
- Bulls-Eye Electric Manufacturing Company. (See Trumbull, George R., assignor.)
- Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 91,602; Feb. 27.
- Bumbaugh, Charles R., Lorain, Ohio, assignor to National Tube Company. Welding bell. 1,973,680; Sept. 11.

- Bumbaugh, George L., assignor to H. S. Burke, Indianapolis, Ind. Serving spoon. Des. 93,270; Sept. 11.
- Bunbury, Hugh M., and W. J. S. Naunton, Prestwich, and K. W. Palmer, Fartown, Huddersfield, England, assignors to Imperial Chemical Industries, Limited. Preservation of oxidizable organic compounds. 1,949,240; Feb. 27.
- Bunbury, Hugh M., Manchester, W. A. Sexton, Huddersfield, and A. Stewart, Manchester, England, assignors to Imperial Chemical Industries Limited. Sulphonation of squalene and oil containing squalene. 1,961,683; June 5.
- Bunbury, Hugh M., Prestwich, J. S. H. Davies, Crumpsall, W. J. S. Naunton, Prestwich, and R. Robinson, Oxford, England, assignors to Imperial Chemical Industries Limited. Vulcanization accelerator and preparing the same. 1,972,918; Sept. 11.
- Bunbury, Hugh M., and A. W. Baldwin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Alkali metal salt of elaidyl sulphuric ester. 1,981,901; Nov. 27.
- Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Producing coked fuel agglomerates. 1,941,462; Jan. 2.
- Bunce, Earl H., and C. J. Lentz, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Apparatus for coking agglomerates. 1,952,363; Mar. 27.
- Bunce, Earl H., and A. O. Ashman, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Metallurgical furnace. 1,981,028; Nov. 20.
- Bunch, Charles E. (See Bunch, W. H., Gaertner, and Bunch.)
- Bunch, William H., and H. C. Gaertner, La Grande, and C. B. Bunch, Adams, Oreg. Hydraulic steering mechanism. 1,953,742; Apr. 3.
- Bunde, Leo F. (See Waern, A. W., and Bunde.)
- Bundick, Clarkson U., White Plains, and B. A. Proctor, assignors, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Apparatus for feeding materials. 1,944,022; Jan. 16.
- Bundick, Clarkson U., White Plains, and A. Berglund, Dobbs Ferry, N. Y., assignors, by mesne assignments, to Sprague Specialties Company. Combined projector and talking machine. 1,978,878; Oct. 30.
- Bundy Steam Trap Company. (See Reed, Llewelyn M., assignor.)
- Bundy Tubing Company. (See Quarnstrom, Bert L., assignor.)
- Bungay, George W., Brooklyn, N. Y. Juice extractor. Des. 93,382; Sept. 25.
- Bungay, George W., Plainfield, N. J.; assignor to Aluminum Company of America, Pittsburgh, Pa. Tire mold. 1,943,947; Jan. 16.
- Bunger, Howard P. (See Howell, C. H., and Bunger.)
- Bungeroth, Rudolf, Dusseldorf, Germany. Tube expanding roller mill. 1,957,386; May 1.
- Bunkay, George W., Plainfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Die casting machine. 1,956,002; Apr. 24.
- Bunker, Darius W., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welted shoe and the manufacture thereof. 1,985,202; Dec. 18.
- Bunker, H. M., & Co. (See Turner, Frederick A., assignor.)
- Bunker, Ralph A., Grafton, assignor to Heywood Boot & Shoe Company, Worcester, Mass. Moccasin shoe. 1,968,740; July 31.
- Bunker, Wilfred E., Aberdeen, Wash. Invalid handling device. 1,971,294; Aug. 21.
- Bunker, William G., Augusta, Maine. Machine for harvesting potatoes and the like. 1,984,826; Dec. 18.
- Bunn, Charles H., Jr., Westfield, N. J., assignor to Standard Oil Development Company. Method and apparatus for pumping and separating liquids. 1,973,607; Sept. 11.
- Bunn, Percy L., Three Rivers, Mich. Method of and apparatus for molding articles from fiber. 1,967,704; July 24.
- Bunte Brothers. (See Price, Claude E., assignor.)
- Bunte Brothers. (See Towell, Oscar J., assignor.)
- Bunting Brass and Bronze Company, The. (See Yager, George F., assignor.)
- Bunting Brass and Bronze Company, The. (See Yager, G. F., and Heath, assignors.)
- Buquor, Adolph P., assignor to Martin-Parry Corporation, York, Pa. Gun carriage. 1,949,352; Feb. 27.
- Burbank, Walter C., New York, N. Y. Golf ball. Des. 91,919; Apr. 10.
- Burch, Cecil R., Stretford, Manchester, and F. E. Bancroft, Fallowfield, near Manchester, England, assignors to Associated Electrical Industries Limited. Vacuum distillation. 1,955,321; Apr. 17.
- Burch, Charles C., Baltimore, Md. Metal weather strip. 1,954,439; Apr. 10.
- Burch, Elwood S., and F. J. Freeland, assignors to Round Oak Furnace Company, Dowagiac, Mich. Cooking stove or range. 1,961,332; June 5.
- Burch, Fred, Milford, Mich. Spring unit and making the same. 1,959,048; May 15.
- Burch, Julian R., St. Louis, Mo. Electrical griddle or cooker. 1,950,385; Mar. 13.
- Burch, Julian R., St. Louis, Mo. Popcorn machine. 1,961,812; June 5.
- Burch, Julian R., St. Louis, Mo. Electric grill. 1,982,947; Dec. 4.
- Burch, Orson G., Highland Park, Mich. Carpet sweeper. Des. 94,115; Dec. 25.
- Burcham, James P., Indianapolis, Ind. Adjustable grille. 1,952,055; Mar. 27.
- Burchett, George W., Peekskill, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial larynx. 1,985,013; Dec. 18.
- Burckhardt, Ernst. (See Stoll, A., and Burckhardt.)
- Burcky, Charles W., and A. H. Reiber, assignors to Teletype Corporation, Chicago, Ill. Telegraph system. 1,947,694; Feb. 20.
- Burcky, Charles W., and A. H. Reiber, assignors to Teletype Corporation, Chicago, Ill. Keyboard perforator transmitter. 1,965,572; July 10.
- Burd, Gorman C. (See Williams, H., and Burd.)
- Burd, Gorman C., Adrian, Mich., assignor to American Cable Company, Inc. Cable fitting. 1,949,601; Mar. 6.
- Burd, Gorman C., Adrian, Mich., assignor to American Cable Company, Inc., New York, N. Y. Electrically severing stranded wire structure. 1,954,783; Dec. 18.
- Burd, Gorman C., Brooklyn, N. Y., and H. C. Griswold, Summit, N. J., assignors to American Cable Company, Inc. Metallic conduit. 1,951,723; Mar. 20.
- Burd High Compression Ring Company. (See Bates, Albert H., assignor.)
- Burdett, Horace H., Beebe River, N. H., assignor to Draper Corporation, Hopedale, Mass. Protection mechanism for looms. 1,950,224; Mar. 6.
- Burdett, John B., assignor to Burdett Manufacturing Company, Chicago, Ill. Burner. 1,959,456; May 22.
- Burdett Manufacturing Company. (See Burdett, John B., assignor.)
- Burdge, Kenneth M., Cincinnati, Ohio. Beverage cooling and dispensing apparatus. 1,979,604; Nov. 6.
- Burdick, Charles L., London, England. Decorating fabrics. 1,950,838; Mar. 13.
- Burdick, Charles L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 1,948,454; Feb. 20.
- Burdick, Edward C. (See Perkins, R. P., Dietzler, and Burdick.)
- Burdick, Edward C., and W. H. Gross, assignors to The Dow Chemical Company, Midland, Mich. Surface treatment of magnesium and magnesium base alloys. 1,947,122; Feb. 13.
- Burdick, Fred C. (See Rich, F. E., and Burdick.)
- Burdick, Henry H. (See Engemann, H. H., and Burdick.)
- Burdick, Isaac J., Saratoga Springs, N. Y. Nonrefillable container. 1,941,929; Jan. 2.
- Burdick, John S., Hamburg, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Musical instrument of the viol and violin types. 1,941,595; Jan. 2.
- Burdick, Richard. (See Acton, Len, assignor.)
- Burdick, Will S., West Allis, assignor to Harnischfeger Corporation, Milwaukee, Wis. Friction device. 1,971,929; Aug. 28.
- Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,981,138; Nov. 20.
- Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,981,139; Nov. 20.
- Bureau, Arthur A., and R. W. Clemmons, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,981,140; Nov. 20.
- Bureau of Engraving Inc. (See Davidson, Neil A., assignor.)
- Burford, Tom A. (See Armitage, F. W., and Archer, assignors.)
- Burg, Eugen, Essen, Germany. Burner for furnaces. 1,943,286; Jan. 16.
- Burg, Eugen, Essen, Germany. Coal dust furnace. 1,946,011; Feb. 6.
- Burg, Kenneth E., Stafford, Kans., assignor to Geophysical Service Inc. Determining geological structure. 1,978,668; Oct. 30.
- Burgad, Joseph, Strasburg, N. Dak. Barn, etc. 1,975,751; Oct. 2.
- Burgan, Edward, White Plains, N. Y. Automobile wheel gauge. 1,971,702; Aug. 28.
- Burge, Alfred, Gary, Ind., and J. T. Shelton, Pittsburgh, Pa., assignors to National Tube Company. Coupling gauging machine. 1,979,731; Nov. 6.
- Burger, Carl H. J., Oakland, Calif. Headlight lens. 1,969,714; Aug. 14.
- Burger, Clarence W., Cherrydale, Va., assignor to National Electrical Supply Company, Washington, D. C. Aircraft antenna weight. 1,953,071; Apr. 8.
- Burger, Frederick W. (See Stockfeth, B., and Burger.)
- Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Dual wheel. 1,948,614; Feb. 27.
- Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Dual pneumatic wheel. 1,971,827; Aug. 28.
- Burger, Leo X. (See Werner, E. C., and Burger.)
- Burger, Martin, Morris, Ill. Collapsible cellular carton. 1,962,296; June 12.
- Burger, Martin, Morris, Ill. Setting up cartons. 1,981,988; Nov. 27.
- Burger, Martin, Morris, assignor to Self-Locking Carton Co., Chicago, Ill. Carton. 1,977,427; Oct. 16.
- Burger, Michael. (See Deckel, H., and Burger.)

- Burger, Walter D., Forest Park, assignor to Hannifin Manufacturing Co., Chicago, Ill. Broaching press. 1,945,879; Feb. 6.
- Burgess Battery Company. (See Zook, John S., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Kliefoth, Max H., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Manning, Willis L., assignor.)
- Burgess, C. F., Laboratories, Inc. (See McGall, Philip K., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Norris, Ralph F., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Schorger, Arlie W., assignor.)
- Burgess Cellulose Company. (See Schorger, Arlie W., assignor.)
- Burgess, Charles O., New York, N. Y., assignor to Electro Metallurgical Company. Cast iron alloy articles. 1,984,458; Dec. 18.
- Burgess, John J., assignor to Rock Island Register Company, Rock Island, Ill. Mechanically corroding relief intaglio variegated surfaces on metal. 1,974,011; Sept. 18.
- Burgess, Lauren M., Ramsey, N. J., assignor to Hygrade Sylvania Corporation, Salem, Mass. Switch structure. 1,973,369; Sept. 11.
- Burgess, Louis, New York, N. Y. Making beryllium and light alloys thereof. 1,980,378; Nov. 13.
- Burgess, Ralph L., Denver, Colo., assignor to Brown & Bigelow, St. Paul, Minn. Erasure guard rule. Des. 92,791; July 17.
- Burgess, Walter K., Rantoul, Ill. Brake mechanism. 1,968,025; July 31.
- Burgett, Lynn S., Euclid, Ohio. Arc welding apparatus. 1,979,220; Oct. 30.
- Burgett, Lynn S., Euclid, and W. F. Daugherty, Cleveland, assignors to Una Welding & Bonding Company, East Cleveland, Ohio. Welding rod conduit. 1,953,915; Apr. 3.
- Burgett, Marion F., Indianapolis, Ind. Garage door control. 1,975,766; Oct. 9.
- Burghardt Ferdinand, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Centrifugal brake for an airplane antenna winch. 1,942,534; Jan. 9.
- Burgher, Earl R., Cleveland, Ohio. Apparatus for obtaining an average of readings on circular charts. 1,946,012; Feb. 6.
- Burghoff, Henry L. (See Crampton, D. K., and Burghoff.)
- Burgie, Alethea R., administratrix. (See Hauser, T. E., and Reichert.)
- Burgin, James. (See Groll, H. P. A., and Burgin.)
- Burgin, James, Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of acetylene. 1,965,770; July 10.
- Burgin, James H. (See Groll, H. P. A., and Burgin.)
- Burgund, Mathias F., Fort Madison, Iowa. Paper-pasting apparatus. 1,966,708; July 17.
- Burbans, William G., Kingston, N. Y. Filter cartridge. 1,981,307; Nov. 20.
- Burhen, Reinhart J., Cairo, Ill. Butter tub or the like. 1,977,041; Oct. 16.
- Burhen, Reinhart J., assignor, by mesne assignments, of one-half to Cape Butter Tub Company, Cape Girardeau, Mo. Making butter tubs and the like. 1,970,278; Aug. 14.
- Buri, Alfred, assignor to the firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. Cooling fan for vehicles driven by internal combustion engines. 1,966,787; July 17.
- Burk, Earl E., Los Angeles, Calif. Hypodermic case. 1,962,760; June 12.
- Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Treating hydrocarbons. 1,950,878; Mar. 13.
- Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Conversion of hydrocarbons. 1,963,517; June 19.
- Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Converting hydrocarbons. 1,963,647; June 19.
- Burk, Robert E., and H. P. Lankelma, assignors to The Standard Oil Company, Cleveland, Ohio. Manufacture of motor fuel. 1,980,380; Nov. 13.
- Burkard, John E., Detroit, Mich., assignor to Victor Casket Hardware Co., Galesburg, Ill. Combined casket lug and handle. Des. 92,644; July 3.
- Burkard, John E., Detroit, Mich., assignor to Victor Casket Hardware Co., Galesburg, Ill. Corner plate for caskets. Des. 93,002; Aug. 14.
- Burkart, Francis, Eustis, Fla. Preservation of citrus fruit juices and preserved product. 1,958,232; May 8.
- Burke, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shot shell. 1,957,935; May 8.
- Burke, Charles E., and R. McGill, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrating quebrachitol. 1,962,172; June 12.
- Burke, Edmund, assignor to Brown Company, Portland, Maine. Electric insulator. 1,942,133; Jan. 2.
- Burke, Emily O. V. (See Burke, Horace M., assignor.)
- Burke, Harry S. (See Bumbaugh, George L., assignor.)
- Burke, Horace M., assignor to E. O. V. Burke, Wildwood, N. J. Game board. 1,964,378; June 26.
- Burke, James P., Wayne, N. J. Closure. 1,972,087; Sept. 4.
- Burke, James P., Knoxville, Tenn. Nonrefillable closure. 1,982,786; Dec. 4.
- Burke, James P., assignor to Auto-Mold, Inc., Knoxville, Tenn. Apparatus for manufacturing articles from plastic composition materials. 1,959,612; May 22.
- Burke, James P., assignor to Kept-Kapt, Inc., Knoxville, Tenn. Making closures. 1,969,777; Aug. 14.
- Burke, Joseph P., Highland Park, and C. A. Doran, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of esters. 1,963,968; June 26.
- Burke, Lawrence J., assignor to Poster Products Inc., Chicago, Ill. Educational and display device. Re19,238; July 17.
- Burke, Ralph, assignor to Sivyer Steel Casting Company, Milwaukee, Wis. Return bend. 1,984,353; Dec. 18.
- Burke, Stephen E., Evanston, Ill. Folding ladder. 1,974,233; Sept. 18.
- Burke, Stephen P., Elizabeth, N. J., assignor to Doherty Research Company, New York, N. Y. Partial oxidation of hydrocarbons and the like. 1,978,621; Oct. 30.
- Burke, Thomas R., Chicago, Ill. Valve shield. 1,941,596; Jan. 2.
- Burke, Thomas R., San Francisco, Calif. Flush valve. 1,951,963; Mar. 20.
- Burke, William J., and L. D. Stower, Deer Lodge, Mont. Gold separator. 1,966,001; July 10.
- Burket, Wilfrid F., Tarentum, Pa. Hobbyhorse. 1,942,396; Jan. 9.
- Burkey, Henry T., Montrose, assignor, by mesne assignments, to Burkey Manufacturing Company, Los Angeles, Calif. Method of and apparatus for electrically diverting fish. 1,974,444; Sept. 25.
- Burkey Manufacturing Company. (See Burkey, Henry T., assignor.)
- Burkhardt, Chandos, Canton, assignor to The Hoover Company, North Canton, Ohio. Clamping device. 1,948,329; Feb. 20.
- Burkhardt, John E. (See Wetherbee, C. P., and Burkhardt.)
- Burkhardt, Otto M., assignor to Thompson Products, Inc., Cleveland, Ohio. Mechanical clearance regulator. 1,948,063; Feb. 20.
- Burkhardt, Otto, Jena, Germany, assignor to firm N. V. Nederlandsche Instrumenten Compagnie of Haag. Sighting telescope for aircraft. 1,985,077; Dec. 18.
- Burkhart, Ralph O., Fairfax, Ohio. Lawn sprinkler. 1,956,145; Apr. 24.
- Burkle, Philip J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Piston bugle. 1,973,049; Sept. 11.
- Burkle, Robert, North Bergen, N. J., assignor to R. Merrifield, New York, N. Y. Indicating switch. 1,962,125; June 12.
- Burks, Arthur W., Decatur, Ill. Pump. Re19,101; Mar. 6.
- Burks, Arthur W., Decatur, Ill. Pumping apparatus. 1,960,659; May 29.
- Burks, Arthur W., Decatur, Ill. Rotary hydraulic air compressor and centrifugal pump. 1,978,400; Oct. 30.
- Burks, Dana, Jr., assignor to Board of Trustees, University of Illinois, Urbana, Ill. Regenerating and washing a zeolite bed. 1,947,248; Feb. 13.
- Burleigh, Arthur C., Wellesley, and C. Warren, Natick, Mass. Tool for sanding, rubbing, or polishing surfaces. 1,951,964; Mar. 20.
- Burleigh, John Wesley, Pasadena, Calif. Power transmission system. 1,980,165; Nov. 13.
- Burling, Ethel O., Vancouver, Wash. Belt clamp. 1,958,531; May 15.
- Burlingham, William, Englewood, N. J., assignor, by mesne assignments, to The Latherizer Sales Company, Inc., New York, N. Y. Lather producing device. 1,950,968; Mar. 13.
- Burlington Blanket Company. (See Rasch, W. G., and Malcolm, assignors.)
- Burman, Olof S., Minneapolis, Minn. Boiler for hot water heating systems. 1,942,915; Jan. 9.
- Burman, Olof S., Minneapolis, Minn. Leg bracket for laundry tubs. 1,949,099; Feb. 27.
- Burman, Olof S., Minneapolis, Minn. Laundry tub and soap tray. 1,949,353; Feb. 27.
- Burmeister, Harry W. (See Rom, Palmer W., assignor.)
- Burn, Louis, Sunnybank, Morden, Surrey, England. Indoor game apparatus. 1,981,581; Nov. 20.
- Burnell, Patrick H., Gebo, Wyo. Conveyor. 1,967,921; July 24.
- Burnell, William E., Penn Yan, N. Y. Means to prevent double exposures in using plate or film holders for cameras. 1,954,917; Apr. 17.
- Burnell, William E., Penn Yan, W. H. Petit and C. H. Roth, assignors to Folmer-Graflex Corporation, Rochester, N. Y. Means to prevent double exposures in using plate or film holders for cameras. 1,954,918; Apr. 17.
- Burner, William L., Columbus, Ohio, assignor, by mesne assignments, to Western-Austin Company, Aurora, Ill. Dump car. 1,977,621; Oct. 23.
- Burner, William L., Columbus, Ohio, assignor, by mesne assignments, to Western-Austin Company, Aurora, Ill. Dump car. 1,977,819; Oct. 23.
- Burnett, Alva M. (See Ashbrook, R. B., and Burnett.)
- Burnett, Charles S., San Francisco, Calif. Engine starter. 1,946,481; Feb. 13.
- Burnett, Charles S., San Francisco, Calif. Internal expansion brake. 1,963,969; June 26.

- Burnett, Charles S., San Francisco, Calif. Valve operating mechanism. 1,980,379; Nov. 13.
- Burnett, Perry A., A. A. Fallis, and D. S. Pritchett, Experiment, Gar. Loom attachment. 1,946,730; Feb. 13.
- Burnett, Richard W., Chicago, Ill. Housing for railway car hand brake mechanism. 1,945,363; Jan. 30.
- Burnett, Richard W., Chicago, Ill. Holding and retarding mechanism. 1,950,477; Mar. 13.
- Burnett, Richard W., Chicago, Ill. Releasing and holding means for car hand brakes. 1,963,115; June 19.
- Burnett, Richard W., Chicago, Ill. Holding and releasing mechanism for railway car hand brakes. 1,934,517; Dec. 18.
- Burnett, Robert N., Flushing, N. Y. Chair seat stop for exercising. 1,964,193; June 26.
- Burnette, Algernon R. (See Kane, F. A., and Burnette.)
- Burnette, Pearl P., Burbank, Calif. Combination drafting instrument. 1,972,759; Sept. 4.
- Burney, Charles D., Westminster, England. Motor road vehicle headlamp. 1,978,293; Oct. 23.
- Burney, Charles D., Westminster, London, England. Cooling system for automobiles. 1,979,191; Oct. 30.
- Burney, Charles D., Westminster, London, England. Suspension system for motor road vehicles. 1,979,292; Oct. 30.
- Burney, John E. (See Robinson, E. W., and Burney.)
- Burnham Boiler Corporation. (See Ross, John D., assignor.)
- Burnham Boiler Corporation. (See Walker, Alfred P., jr., assignor.)
- Burnham, Clifford L., Chicago, Ill. Evaporator. 1,943,106; Jan. 9.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. High-tension electric distributing system and apparatus. 1,941,463; Jan. 2.
- Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric current rectifying system. 1,966,810; July 17.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric distribution system and conductor thereof. 1,970,125; Aug. 14.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, Boston, Mass. Circuit interrupter. 1,980,471; Nov. 13.
- Burnham, Laurence H., Lexington, and R. M. Holden, Worcester; said Burnham assignor to Hood Rubber Company, Inc., Watertown, and said Holden assignor to Holden Knitting Co., Worcester, Mass. Manufacture of rubber footwear. 1,972,976; Sept. 11.
- Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Casing for electrical induction apparatus. 1,957,245; May 1.
- Burnham, William C., Fair Oaks, Calif. Wire connector means. 1,943,514; Jan. 16.
- Burnham, William C., Menlo Park, Calif., assignor to Davis Emergency Equipment Company, Incorporated, New York, N. Y. Block book. 1,985,596; Dec. 25.
- Burnish, Howard J., Sewickley, assignor to Spang, Chalfant & Co., Inc., Pittsburgh, Pa. Strainer. 1,965,368; July 3.
- Burnish, Howard J., Sewickley, assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa. Electric welding machine. 1,982,496; Nov. 27.
- Burnley, Robert C., Louisville, Ky. Rat trap. 1,963,435; June 19.
- Burns, Bruce, assignor to Patco, Inc., Los Angeles, Calif. Portable refrigeration device. 1,950,781; Mar. 13.
- Burns, Charles R., assignor to Vanity Fair Silk Mills, Reading, Pa. Textile fabric. Des. 92 579; June 26.
- Burns, Cloyd E., Buffalo, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,942,999; Jan. 9.
- Burns, Edward R. (See Shepard, M. G., and Burns.)
- Burns, Edwin F. (See Ellis, T. J., and Burns.)
- Burns, Elizabeth, Detroit, Mich. Catamenial pad and holder therefor. 1,967,859; July 24.
- Burns, Erwin, and H. P. Wickersham, Los Angeles, Calif.; said Burns assignor to said Wickersham. Well jar. 1,977,110; Oct. 16.
- Burns, Fred J., assignor to The Columbia Mills, Saginaw, Mich. Shade roller. Re19,126; Apr. 3.
- Burns, George D., St. Albans, N. Y. Condiment holder. 1,979,446; Nov. 6.
- Burns, Jabez, & Sons, Inc. (See Greene, Richard A., assignor.)
- Burns, Jabez & Sons, Inc. (See Kopf, John C., assignor.)
- Burns, James A., Jamestown, N. Y. Etching a metal graining plate. 1,968,370; July 31.
- Burns, Joseph, Des Moines, Iowa. Air scenting device. 1,955,171; Apr. 17.
- Burns, Milfred B., deceased, by Sarah L. Burns, Lewiston, Idaho, administratrix, assignor of one-half to Peter Tettelbach, Rochester, N. Y. Focusing means for cameras. 1,968,476; July 31.
- Burns, Robert, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Finish testing method and apparatus. 1,961,333; June 5.
- Burns, Robert, and O. W. Strickland, Stevenson, Scotland, assignors to Imperial Chemical Industries Ltd. Propellant explosive. 1,943,421; Jan. 16.
- Burns, Robert, Saltcoats, O. W. Strickland, West Kilbride, and E. Whitworth, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Propellant powder and manufacture. 1,963,116; June 19.
- Burns, Roy R., Copperhill, Tenn., assignor to Tennessee Copper Company. Ore drying apparatus. 1,979,312; Nov. 6.
- Burns, Sarah L., administratrix. (See Burns, Milfred B.)
- Burns, Wilfred E., Burlingame, Calif., assignor to M. J. B. Company. Can end stacking machine. 1,958,845; May 15.
- Burns, Wilfred E., Burlingame, assignor to M. J. B. Co., San Francisco, Calif. Can body preheater horn. 1,974,641; Sept. 25.
- Burns, Wilfred E., Burlingame, Calif., assignor to M. J. B. Co. Manufacturing can bodies. 1,978,740; Oct. 30.
- Burns, Wilfred E., Burlingame, Calif., assignor to M. J. B. Company. Making score lines. 1,981,945; Nov. 27.
- Burns, William L., Parnell, Mo. Fruit jar holder. 1,954,692; Apr. 10.
- Burnside, Douglas D. (See Brumbaugh, I. V., Burnside, and Kauffman.)
- Burnside, Edgehill T., Shelbyville, Ind. Gravel washing machine. 1,949,354; Feb. 27.
- Burnstad Grading Machine Company Limited. (See Burnstad, Sigurd H., assignor.)
- Burnstad, Sigurd H., Oshon, assignor to Burnstad Grading Machine Company, Limited, Edmonton, Alberta, Canada. Road grader and ditcher. 1,975,767; Oct. 9.
- Burpee Can Sealer Company. (See Burpee, Frank W., assignor.)
- Burpee, Frank W., assignor to Burpee Can Sealer Company, Chicago, Ill. Can seaming machine. 1,959,018; May 15.
- Burr, Charles H., East Millinocket, assignor to Great Northern Paper Company, Millinocket, Maine. Conveying system for wood grinders. 1,982,901; Dec. 4.
- Burr, George W., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making bimetallic stock. 1,944,215; Jan. 23.
- Burrell, Benjamin S., East Chicago, Ind. Souvenir medal. Des. 92,943; Aug. 7.
- Burrell, Benjamin S., East Chicago, Ind. Souvenir medal. Des. 92,944; Aug. 7.
- Burrell, Benjamin S., East Chicago, Ind. Strainer apparatus. 1,968,741; July 31.
- Burrell, Clarence R., Battle Creek, Mich., assignor, by mesne assignments, to The Farval Corporation, Cleveland, Ohio. Portable measuring valve. 1,963,646; June 19.
- Burrell, Edward P., Shaker Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Indexing mechanism. 1,953,876; Apr. 3.
- Burrell, Ellis, assignor to Evenaire Regulator Co., Chicago, Ill. Steam radiator control. 1,956,003; Apr. 24.
- Burrell, Ellis, assignor to Evenaire Regulator Company, Chicago, Ill. Steam heating. 1,965,823; July 10.
- Burrell, John S., Great Neck, N. Y. Window construction. 1,953,743; Apr. 3.
- Burrell, Matthew M. L., Millheim, Pa. Collapsible tube. 1,947,376; Feb. 13.
- Burrell, Matthew M. L., Millheim, Pa. Self-sealing tube. 1,951,544; Mar. 20.
- Burri, Albert. (See Gehrig, John H., assignor.)
- Burritt, Elizabeth G., executrix. (See Banks, Reginald M. and J. H., and Burritt.)
- Burritt, Rebecca K., Coral Gables, Fla. Ear screen or guard. 1,973,330; Sept. 11.
- Burritt, Wilmot W. (See Banks, Reginald M. and J. H., and Burritt.)
- Burroughs, James M., Tipton, Iowa. Self-filling fountain pen. 1,943,785; Jan. 16.
- Burroughs Adding Machine Company. (See Bentzel, Frank D., assignor.)
- Burroughs Adding Machine Company. (See Bindschedler, Theodore S., assignor.)
- Burroughs Adding Machine Company. (See Butler, Thomas M., assignor.)
- Burroughs Adding Machine Company. (See Horton, Allen A.)
- Burroughs Adding Machine Company, The. (See LaFerty, A. R., and Marta, assignors.)
- Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)
- Burroughs Adding Machine Company. (See Racz, Ernest, assignor.)
- Burroughs Adding Machine Company. (See Rowland, Dwight P., assignor.)
- Burroughs Adding Machine Company. (See Sjobohm, G., and Brisbois, assignors.)
- Burroughs Adding Machine Company. (See Summerlee, J. A., and Rowland, assignors.)
- Burroughs, Buel S., Kingston, N. Y. Smoker's pipe. 1,978,155; Oct. 23.
- Burrows Corporation, The. (See Ricker, Frank L., assignor.)
- Burrows, E. T., Co. Inc., The. (See Gallant, John D., assignor.)
- Burrows, Alvin R., and V. W. Burrows, Guelph, Ontario, Canada. Attachment for looms. 1,963,885; June 19.
- Burrows, Eastman A., Chicago, Ill., assignor of one-half to Thomas D. Campbell, Hardin, Mont. Method of and apparatus for the treatment and use of liquid fuels. 1,941,968; Jan. 2.
- Burrows, Leroy J. (See Pearson, H. P., and Burrows.)

- Burrows, Mabel, executrix. (See Burrows, Robert W.)
- Burrows, Raymond S., Hopewell, Va., assignor to Tubize Chatillon Corporation, New York, N. Y. Bobbin. 1,978,101; Oct. 23.
- Burrows, Robert J., assignor to Clark Tractor Company, Battle Creek, Mich. Industrial truck. 1,954,345; Apr. 10.
- Burrows, Robert J., and A. O. Williams, assignors to Clark Tractor Company, Battle Creek, Mich. Wheel. 1,980,663; Nov. 13.
- Burrows, Robert J., and A. O. Williams, assignors to Clark Tractor Company, Battle Creek, Mich. Rail car. 1,980,664; Nov. 13.
- Burrows, Robert W., deceased; M. Burrows, executrix, assignor to W. K. Jaquith, Petaluma, Calif. Packing pad. 1,981,344; Nov. 20.
- Burrows, Stanley, assignor of one-half to C. L. Nielsen, Petone, Wellington, New Zealand. Tipping gear for bodies of motor vehicles. 1,947,328; Feb. 13.
- Burrows, Victor W. (See Burrows, Alvin R., and V. W.)
- Burson Knitting Company. (See Hinchliff, Edward C., assignor.)
- Burst, Carl W., assignor to Welsh-Hartman Co., St. Louis, Mo. Combined doll wardrobe and bed or similar article. Des. 93,203; Sept. 4.
- Burstein, Rose, et al. (See Lehr, Benjamin, assignor.)
- Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Plunger and screen for hydraulic underreamers. 1,981,262; Nov. 20.
- Burt, Clayton R., and F. O. Hoagland, West Hartford, assignors to Pratt & Whitney Company, Hartford, Conn. Tap grinder. 1,957,317; May 1.
- Burt, Delos V., Cleveland, assignor, by mesne assignments, to M. P. Potter, Cleveland Heights, Ohio. Access door. 1,952,836; Mar. 27.
- Burt, F. N., Company. (See Coppins, Harold C., assignor.)
- Burt, F. N., Company. (See Darrin, Marc, assignor.)
- Burt, F. N., Company, Limited. (See Dickermann, H. K., and McCarthy, assignors.)
- Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,941,737; Jan. 2.
- Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,955,621; Apr. 17.
- Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,960,660; May 29.
- Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,983,595; Dec. 11.
- Burt, Hugh V., Rock Island, Ill. Display rack. 1,963,544; June 19.
- Burt Machine Company. (See Wild, Charles H., assignor.)
- Burt, Richard M., Wilkes-Barre, Pa. Electric fuse holder. 1,951,271; Mar. 13.
- Burt, Robert V., and R. J. Short, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Soap dispenser. 1,950,782; Mar. 13.
- Burnett, Edith G. (See Burnnett, Everett R., assignor.)
- Burnnett, Everett R., San Marino, assignor of one-half to E. G. Burnnett, Los Angeles, Calif. Change speed transmission gear. 1,958,607; May 15.
- Burton, De Witt, Washington, D. C. Electrical switch and receptacle box. 1,978,401; Oct. 30.
- Burton-Dixie Corporation. (See Bowersox, Joseph W., assignor.)
- Burton-Dixie Corporation. (See Burton, Oliver M., assignor.)
- Burton-Dixie Corporation. (See Perlesz, Hugo, assignor.)
- Burton-Dixie Corporation. (See Wesley, Arthur, assignor.)
- Burton-Dixie Corporation. (See Zimmerman, F. R., and Killelea, assignors.)
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,944,216; Jan. 24.
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal shaping device. 1,961,334; June 5.
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeating system. 1,979,064; Oct. 30.
- Burton Explosives, Inc. (See Fox, A. S., and Rape, assignors.)
- Burton, Frank F., Mount Carmel, and W. C. Roemer, assignors to Winchester Repeating Arms Company, New Haven, Conn. Firearm receiver. 1,969,255; Aug. 7.
- Burton, George R., Montreal, Quebec, Canada. Cigarette extinguisher. 1,950,657; Mar. 13.
- Burton, Hubert H., Leicester, England. Improvements in or relating to liquid containers. 1,956,146; Apr. 24.
- Burton, Hugh F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Creel. 1,962,681; June 12.
- Burton, Jesse R. (See Candee, Z. P., and Burton.)
- Burton, Oliver M., assignor to Burton-Dixie Corporation, Chicago, Ill. Spring-cushion. 1,963,015; June 12.
- Burton, Robert N., River Forest, Ill., assignor to Highway Trailer Company, Edgerton, Wis. Tractor for semi-trailers. 1,970,030; Aug. 14.
- Burton, Walter W., Birmingham, England. Coin freed amusement device. 1,971,062; Aug. 21.
- Burton, Warren D. (See McAdams, J. E., and Burton.)
- Burton, Warren D., assignor to Combustioneer, Inc., Goshen, Ind. Feeding device for stokers. 1,946,482; Feb. 13.
- Burton, Warren D., assignor to Combustioneer, Inc., Goshen, Ind. Mechanical stoker. 1,946,776; Feb. 13.
- Burton, Warren D., assignor to Combustioneer, Inc., Goshen, Ind. Feeding device for stokers. 1,948,021; Feb. 20.
- Burton, Warren D., Los Angeles, Calif., and E. M. May, Springfield, Ohio, assignors to Combustioneer Inc., Cicero, Ill. Furnace. 1,953,335; Apr. 3.
- Burton, William A., Little Rock, Ark. Switch mechanism for electric signaling. 1,950,225; Mar. 6.
- Burwell, Arthur W. (See Alox Chemical Corporation.)
- Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Insecticidal, fungicidal, and bactericidal compositions. 1,955,052; Apr. 17.
- Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Rubber vulcanization assistant. 1,981,822; Nov. 20.
- Burwell, Robert L., jr. (See Seymour, M. W., and Burwell.)
- Burwell, Robert L., jr., Annapolis, Md., assignor to Eastman Kodak Company, Rochester, N. Y. Making two-color subtractive photographic prints on double-coated film. 1,966,330; July 10.
- Burwen, Solomon, Lynn, Mass. Equipment for holding oils and other liquids. 1,955,225; Apr. 17.
- Busby, Daniel, Seattle, Wash. Collapsible magazine holder. 1,974,012; Sept. 18.
- Busch, A. G. (See Criner, Harry J., assignor.)
- Busch, Adolphe, Antwerp, Belgium. Burning cement slurry. 1,954,401; Apr. 10.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety supporting means for brake beams. 1,968,871; Aug. 7.
- Busch, Hugo R. (See Kind, W., Schenk, and Busch.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Pollister, Edward B., assignor.)
- Busch-Sulzer-Bros.-Diesel Engine Company. (See Rotter, Max, assignor.)
- Busch, Wilhelm, Gladbeck, Germany. Spoon for feeding children and for dispensing medicines. 1,961,547; June 5.
- Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Keying. 1,951,500; Mar. 20.
- Buschbeck, Werner, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signal modulation. 1,963,117; June 19.
- Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Screen grid relay circuits. 1,974,912; Sept. 25.
- Buschman, Abraham L. (See Grant, A. E., and Buschman.)
- Buschman, Abraham L., New York, N. Y. Combined Christmas tree lighting set and container therefor or similar article. Des. 93,700; Oct. 30.
- Buschman, Abraham L., New York, N. Y. Electrical device. 1,976,771; Oct. 16.
- Buschman, Nathan H., Bronx, N. Y. Drier. 1,946,386; Feb. 6.
- Buschman, Nathan H., New York, N. Y., assignor to C. E. Culpeper, Norwalk, Conn. Fastening means for abutting carrier flaps. 1,967,284; July 24.
- Buschman, Nathan H., New York, N. Y., assignor to C. E. Culpeper, Norwalk, Conn. Bottle carrier or carton. 1,967,285; July 24.
- Buser, Ernest, Lumberton, N. J. Violin bow. 1,971,973; Aug. 28.
- Busb, A. G. (See Criner, Harry J., assignor.)
- Busb, B. B., et al. (See Engberg, Thaddeus R., assignor.)
- Bush, Ernest, Kentfield, assignor to Ames Harris Neville Co., San Francisco, Calif. Automatic feeder. 1,957,318; May 1.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Engine and transmission control means. 1,943,057; Jan. 9.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Clutch and transmission mechanism. 1,947,033; Feb. 13.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Automotive transmission equipment. 1,951,724; Mar. 20.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Engine and transmission control. 1,955,845; Apr. 24.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Control for automotive vehicles. 1,985,014; Dec. 18.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Power transmission equipment. 1,985,015; Dec. 18.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Reduction gear. 1,985,016; Dec. 18.
- Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Variable-speed transmission apparatus. 1,985,017; Dec. 18.
- Bush, Everett M., South Nyack, N. Y. Universal pulley block. 1,955,942; Apr. 24.
- Bush, Fred L., J. B. Hill, and R. Hervig, Battle Creek, Mich., assignors to Wilcox-Rich Corporation. Forging machine. 1,952,491; Mar. 27.

- Bush, Grant A., San Diego, Calif. Paint-mixing machine. 1,983,164; Dec. 4.
- Bush, H. F., et al. (See Wilkins, Charles L., assignor.)
- Bush, John C., Aliquippa, Pa. Fruit juice extractor. 1,949,675; Mar. 6.
- Bush Manufacturing Company. (See Bush, Eugene S., assignor.)
- Bush Manufacturing Company, The. (See Mason, A. J., and Tancred, assignors.)
- Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Switch device. 1,969,778; Aug. 14.
- Bush, Vanevar, Belmont, Mass. Telephonic telegraphy. 1,947,249; Feb. 13.
- Bush, Vanevar, Belmont, assignor to General Plate Company, Attleboro, Mass. Temperature control apparatus. 1,960,694; May 29.
- Bushkovski, Paul, White Water, Kans. Heading machine for kafir-corn, sorghum, and the like. 1,949,779; Mar. 6.
- Bushman, Edward L. (See Carpenter, Kenneth E., assignor.)
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,942,134; Jan. 2.
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling systems. 1,942,135; Jan. 2.
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,958,360; May 8.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete mixer. 1,963,952; June 26.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete mixer. 1,963,953; June 26.
- Bushong, Harry F., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Free wheeling transmission. 1,955,698; Apr. 17.
- Busiek, William A., St. Louis, Mo. Range. 1,980,781; Nov. 13.
- Buss, Oliver F., West Allis, Wis., J. L. Singleton, Evans-ton, Ill., L. M. Dings, West Allis, and T. E. Munz, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Apparatus and process for the production of colloidal material and treatment of boiler feed water and the like. 1,954,796; Apr. 17.
- Bussard, Emmery J. H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Operation of alternating current radioreceivers. 1,977,469; Oct. 16.
- Bussard, Emmery J. H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Volume control method for radioreceivers. 1,978,008; Oct. 23.
- Busse, Edwin G. (See Hedgcock, W. C., and Busse.)
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Car truck structure. Re19,221; June 26.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Car door operating device. 1,945,019; Jan. 30.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam. 1,947,579; Feb. 20.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Car door mounting. 1,950,783; Mar. 13.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety device for brake rods. 1,981,902; Nov. 27.
- Busse, Martha, Syracuse, N. Y. Stopper. 1,961,277; June 5.
- Busse, Otto, Scheim-on-the-Ruhr, Germany. Pressing metal blanks. 1,951,501; Mar. 20.
- Bussey, Everett E. (See Cross, H., and Bussey.)
- Bussoz, Pierre J., Paris, France. Phonograph. 1,968,245; July 31.
- Butcher, Edwin G., Wahroonga, and W. E. Jupe, Eastwood, New South Wales, Australia. Railway and tramway rail and wheel flange lubrication. 1,979,447; Nov. 6.
- Butcher, Ira A., Brooklyn, N. Y. Control recording apparatus. 1,980,184; Nov. 13.
- Butenandt, Adolf, Göttingen, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Production of a follicle hormone. 1,966,752; July 17.
- Butez, Pierre, Vaucresson, and P. Contant, Courbevois, assignors to Societe Independante de Telegraphie sans Fil, Malakoff, France. Cinemato-phonographic photography. 1,957,420; May 1.
- Butler, Alfred D., West Palm Beach, Fla. Switch. 1,960,138; May 22.
- Butler, Arthur G., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Bungee control. 1,976,479; Oct. 9.
- Butler, Benjamin J., assignor to General Plate Company, Attleboro, Mass. Thermostat casing. Des. 93,452; Oct. 2.
- Butler, Charles R., Indianapolis, Ind. Piston manufacture. 1,951,646; Mar. 20.
- Butler, Clinton C., Pomona, assignor to Food Machinery Corporation, San Jose, Calif. Sterilizing machine for boxes. 1,946,470; Feb. 13.
- Butler, Clyde G. (See Harris, Cleo, and Butler.)
- Butler, Clyde G., Cincinnati, assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio. Joint. 1,977,540; Oct. 16.
- Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Filling device. 1,981,495; Nov. 20.
- Butler, Cora A., Chicago, Ill. Vehicle body construction. 1,943,581; Jan. 16.
- Butler, Emmett, and A. K. Knickerbocker, St. Paul, and R. O. Hocking, Nashauk, Minn.; F. D. Butler, special administrator of said A. K. Knickerbocker, deceased. Ore conditioning process. 1,977,262; Oct. 16.
- Butler, Francis D., special administrator. (See Butler, E., Knickerbocker, and Hocking.)
- Butler, Frank D., U. S. Navy, Bremerton, Wash. Mother crank bearing assembly. 1,970,555; Aug. 21.
- Butler, Frank D., U. S. Navy, Bremerton, Wash. Engine starting assembly. 1,972,867; Sept. 11.
- Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Remote control system for electric circuits. 1,982,368; Nov. 27.
- Butler, Henry R., Verona, and J. L. Weston, East Orange, N. J., assignors to Wired Radio, Inc., New York, N. Y. Transformer construction. 1,983,657; Dec. 11.
- Butler, Leo M., assignor to Boeing Airplane Company, Seattle, Wash. Alignment jig. 1,949,007; Feb. 27.
- Butler Manufacturing Company. (See Blomquist, Charles E., assignor.)
- Butler Manufacturing Company. (See Norquist, Victor C., assignor.)
- Butler Manufacturing Company. (See Norquist, V. C., and Treanor, assignors.)
- Butler, Richard C., Lowellville, assignor of one-third to J. M. Hughes and one-third to J. H. Carter, Youngstown, Ohio. Blast furnace tuyere. 1,969,294; Aug. 7.
- Butler, Robert S. (See Newton, H. W., and Butler.)
- Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Double ribbon mechanism. 1,947,034; Feb. 13.
- Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Automatic machine for feeding keys and stacking them. 1,959,342; May 22.
- Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Double seaming head. 1,972,866; Sept. 11.
- Butler, William L., Salt Lake City, Utah. Draft control. 1,963,073; June 19.
- Butler, William L., Salt Lake City, Utah. Draft control device for solid or fluid burning furnaces. 1,971,336; Aug. 28.
- Butler, William L., and H. F. Hillard, Salt Lake City, Utah; said Hillard assignor to said Butler. Draft control device. 1,946,568; Feb. 13.
- Butner, James C., Petaluma, Calif. Egg fork. 1,983,067; Dec. 4.
- Bütow, Walter, assignor to Elektrizitäts-Actien-Gesellschaft vorm. W. Lahmeyer & Co., Frankfurt-on-the-Main, Germany. Apparatus for protecting electric appliances. 1,956,461; Apr. 24.
- Bütow, Walter, assignor to Elektrizitäts-Actien-Gesellschaft vorm. W. Lahmeyer & Co., Frankfurt-on-the-Main, Germany. Earth leakage protection of apparatus and machine. 1,965,485; July 3.
- Butt, Ralph A., Newberg, and D. H. McGogy, McMinnville, Oreg. Combined package opener and dispenser. 1,951,343; Mar. 20.
- Buttaci, Joseph, Corona, and J. J. Goers, New Dorp, Staten Island, N. Y. Welding rod holder. 1,943,754; Jan. 16.
- Butte, Paul C., assignor to J. B. Strauss, San Francisco, Calif. Automatic release mechanism for highway barriers. 1,952,234; Mar. 27.
- Butterfield, Albert, Middletown, Ohio, assignor to Advance Bag and Paper Company, Incorporated, Boston, Mass. Making bags. 1,976,687; Oct. 9.
- Butterfield, Charles, Norwood, and H. W. Nichols, Cincinnati, Ohio; said Butterfield assignor to said Nichols. Bag and sack. 1,944,151; Jan. 23.
- Butterfield, Cora C. (See Butterfield, Sidney H., assignor.)
- Butterfield, James A., Burnt Ranch, Oreg. Lubricating wrist-pin bearing. 1,975,500; Oct. 2.
- Butterfield, Sidney H., assignor to C. C. Butterfield, Jackson, Mich. Tooth cleaning device and composition. 1,969,874; Aug. 14.
- Butterfield, Vernon J., assignor to Tropic-Aire Incorporated, Minneapolis, Minn. Heating apparatus for automotive vehicles. 1,941,825; Jan. 2.
- Butterman, Herman H. (See Rodrian, Richard, assignor.)
- Butters, Charles, Berkeley, Calif. Amalgamating apparatus and process. 1,979,365; Nov. 6.
- Butterworth, Arthur B., Brooklyn, N. Y., assignor, by mesne assignments, to Butterworth System, Inc., Wilmington, Del. Cleaning, scaling and gas freeing bulk cargo tanks of tank vessels. Re19,374; Nov. 20.
- Butterworth, Arthur S. (See Ihrig, H. K., and Butterworth.)
- Butterworth, Frank W., I. N. Doughty, and I. R. Cline, assignors to Western Brick Company, Danville, Ill. Method or process for the expansive burning of clays. 1,960,571; May 29.
- Butterworth, Frank W., and I. R. Cline, assignors to Western Brick Company, Danville, Ill. Method and apparatus for burning of argillaceous material. 1,960,572; May 29.

- Butterworth, Frank W., I. N. Doughty, and I. R. Cline, assignors to Western Brick Company, Danville, Ill. Expansively burned ceramic material. 1,960,573; May 29.
- Butterworth, H. W. & Sons Co. (See Butterworth, Harry W., jr., assignor.)
- Butterworth, H. W., & Sons Company. (See Butterworth, H. W., jr., and Sippel, assignors.)
- Butterworth, Harry W., jr., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Cloth drive and tensioning apparatus for dyeing machines. 1,959,261; May 15.
- Butterworth, Harry W., jr., Philadelphia, and J. J. Sippel, Upper Darby, assignors to H. W. Butterworth & Sons Company, Philadelphia, Pa. Traverse drive for spinning machines. 1,968,026; July 31.
- Butterworth, Josephine M., et al. (See Butterworth, Samuel D., assignor.)
- Butterworth, Samuel D., Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company and one per cent to said Samuel D. Butterworth. Car loading device. Re19,337; Oct. 2.
- Butterworth, Samuel D., assignor of one-half to J. M. Butterworth, Detroit, Mich., and one-half to C. P. Gable, Gable, S. C. Flooring. 1,951,965; Mar. 20.
- Butterworth, Samuel D., assignor to J. M. Butterworth, Detroit, Mich., and C. P. Gable. Wood block flooring. 1,978,075; Oct. 23.
- Butterworth System, Inc. (See Butterworth, Arthur B., assignor.)
- Buttner, Willoughby H., Oak Park, Ill., assignor to J. F. Meyer, Pasadena, Calif. Grab for vending machines. 1,964,905; July 5.
- Buttner, Willoughby H., Chicago, Ill., assignor to J. F. Meyer, Pasadena, Calif. Teletale device. 1,968,371; July 31.
- Buttner, William C., assignor to The Bastian-Blessing Company, Chicago, Ill. Faucet. 1,947,329; Feb. 13.
- Buttner, William C., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Faucet. 1,981,496; Nov. 20.
- Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Starting apparatus for electric discharge devices. 1,951,127; Mar. 13.
- Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Support for electric devices. 1,951,128; Mar. 13.
- Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Polarity indicating apparatus. 1,971,899; Aug. 28.
- Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Apparatus for irradiating containers. 1,984,457; Dec. 18.
- Buttrick, William M., New York, N. Y., assignor to Celluloid Corporation. Bag. 1,973,283; Sept. 11.
- Butts, Durain C., Sandusky, Ohio, assignor to Hercules Powder Company, Wilmington, Del. Production of rosin esters. 1,979,671; Nov. 6.
- Butts, Emil P., Tacoma, Wash. Soluble noncorrosive, cutting compound. 1,979,250; Nov. 6.
- Butts, John H., assignor to Rome Specialty Co., Inc., Rome, N. Y. Staff holder. 1,952,789; Mar. 27.
- Butts, Joseph F., Washington, D. C. Device for arresting cinders, fly-ash, etc. 1,970,488; Aug. 14.
- Butusov, Emil P., Hollywood, Ill. Carburetor. 1,947,513; Feb. 20.
- Butusov, Emil P., Hollywood, assignor of one-half to D. Lewy, Chicago, Ill. Elevator control system. 1,946,777; Feb. 13.
- Butz, Charles H., and F. Gawan, assignors to The Denver Fire Clay Company, Denver, Colo. Gas burner. 1,971,208; Aug. 21.
- Butzer, Eugene, Basel, Switzerland, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,586; Apr. 3.
- Buus, Niels P. V., Copenhagen, Denmark. Friction brake. 1,959,049; May 15.
- Bux, Julius R., assignor to J. Sullivan and Sons Manufacturing Company, Philadelphia, Pa. Shoulder strap for women's undergarments. 1,976,982; Oct. 16.
- Buxbaum, Edwin C. (See Lee, H. R., and Buxbaum.)
- Buxbaum, Edwin C., Shorewood, and H. R. Lee, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of amino-dihydroxy-anthraquinones. 1,957,936; May 8.
- Buxton, Douglas H. C., Hove, England. Buoyant clothing for personal wear. 1,956,890; May 1.
- Buxton, Incorporated. (See Buxton, Warner R., assignor.)
- Buxton, Incorporated. (See Howe, Carleton H., assignor.)
- Buxton, Victor, Eureka, Calif. Machine for stropping razor blades. 1,959,969; Mar. 13.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. Des. 91,646; Mar. 6.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. Des. 91,647; Mar. 6.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. Des. 91,920; Apr. 10.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. Des. 92,288; May 22.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. Des. 93,701; Oct. 30.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,944,635; Jan. 23.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,966,430; July 17.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,969,835; Aug. 14.
- Buxton, Warner R., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Key case. 1,966,429; July 17.
- Buxton, Warner R., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Key retaining member or key ring. 1,968,989; Aug. 7.
- Buyauskas, Justin M., Newark, N. J. Badge of mourning. Des. 91,921; Apr. 10.
- Buydts, René, Brussels, Belgium. Cherry stemming machine. 1,962,052; June 5.
- Buzby, Joseph H., Philadelphia, Pa. Reinforced concrete stairs or steps. 1,964,660; June 26.
- Buzzard, Robert W., Kensington, Md. Method of and bath for anodic treatment of aluminum. 1,977,622; Oct. 23.
- Byer, Henry E., Bronxville, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Portable condensing and heating apparatus. 1,957,094; May 1.
- Byer, Henry E., Rosebank, Staten Island, N. Y. Counter-current condenser. 1,981,989; Nov. 27.
- Byer, Moses J., Orono, Maine. Folding cot. 1,944,064; Jan. 16.
- Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 1,945,176; Jan. 30.
- Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 1,967,464; July 24.
- Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 1,972,329; Sept. 4.
- Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 1,974,148; Sept. 18.
- Byerlein, Eric J., Wauwatosa, Wis. Method of and apparatus for molding. 1,957,246; May 1.
- Byers, Charles H. (See Byrne, W. H., and Byers.)
- Byers, Horace G. (See Scott, W., and Byers.)
- Byers Machine Company, The. (See Lotte, Charles H., assignor.)
- Byler, Claude, Buffalo, Wyoming. Salvaging grapple. 1,983,215; Dec. 4.
- Byles, Frank A., Scotia, N. Y., assignor to General Electric Company. Electrical regulating system. 1,970,415; Aug. 14.
- Bynum, Charles H., Aurora, Ill. Sewing apparatus. 1,973,370; Sept. 11.
- By-Products Recoveries, Inc. (See Taylor, Joseph B., assignor.)
- Byram, Stanley H., assignor to Grassfork Fisheries, Inc., Martinsville, Ind. Aquarium. 1,956,524; Apr. 24.
- Byrd, Arthur J., Bessemer, Ala. Protective device for poles. 1,982,569; Nov. 27.
- Byrd, James N., assignor of one-third to C. F. H. Foard and one-third to P. B. Wolf, Baltimore, Md. Method of and apparatus for road construction. 1,960,661; May 29.
- Byrd, John F., College Park, Ga. Motor speed indicating and control device. 1,980,907; Nov. 13.
- Byrnes, Clarence P. (See James, Joseph H., assignor.)
- Byrkit, Rollin J., jr., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Hydrogenating resinous compounds. 1,973,865; Sept. 18.
- Byrne, Carolyn E., Holliston, Mass. Garment supporter. 1,966,709; July 17.
- Byrne, John M., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Producing spectacle and eyeglass frames and mountings. 1,954,663; Apr. 10.
- Byrne, Julius I., Orange, Tex. Door. 1,970,222; Aug. 14.
- Byrne Manufacturing Company, The. (See Blaho, Rudolph, assignor.)
- Byrne Manufacturing Company, The. (See Dillhoefer, Henry M., jr., assignor.)
- Byrne, Thomas W., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Making ground terminals. 1,976,919; Oct. 16.
- Byrne, William H., Cuyahoga Falls, and C. H. Byers, Warren, Ohio. Fuel burner. 1,971,328; Aug. 28.
- Byrnes, C. P., trustee. (See Bitler, William P., assignor.)
- Byrnes, C. P., trustee. (See Pedersen, Ingvald O., assignor.)
- Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
- Byrnes, Clarence P., trustee. (See Pedersen, I. O., and Stahle, assignors.)
- Byrnes, Edward P., and E. D. Davis, assignors to The Boye Needle Company, Chicago, Ill. Needle cabinet and chart. 1,974,234; Sept. 18.
- Byron Jackson Co. (See Hollander, Aladar, assignor.)
- Byron Jackson Co. (See Hollander, A., and Forward, assignors.)
- Byron Jackson Co. (See Lundeen, Chester A., assignor.)
- Byron Jackson Co. (See Skinner, Charles P., assignor.)
- Byron, Ralph, Jersey City, N. J., and H. G. Rappolt, assignors to J. O. Ross Engineering Corporation, New York, N. Y. Baking oven. 1,971,766; Aug. 28.
- Byron, Thomas H., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Manufacture of artificial filaments. 1,969,689; Aug. 7.

- Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Chaser. 1,953,528; Apr. 3.
- Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Automatic die. 1,953,529; Apr. 3.
- Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Gauge for chaser grinding. 1,979,023; Oct. 30.
- Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Screw threading die. 1,979,024; Oct. 30.
- Bystricky, Joseph. (See Thomas, G. F., and Bystricky.)
- Byus, Vernon H., Baltimore, Md. Artificial fish lure. 1,981,029; Nov. 20.
- C-M-P Fishing Tool Corporation. (See Clark, J. K., Pearce, and Church.)
- C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)
- C-O-Two Fire Equipment Company. (See Allen, S. E., and Rennett, assignors.)
- C-O-Two Fire Equipment Company. (See Allen, S. E., and Wiswell, assignors.)
- C-O-Two Fire Equipment Company. (See Scott, S. E., and Wiswell, assignors.)
- C-O-Two Fire Equipment Company. (See Wiswell, Ozro N., assignor.)
- C. P. T. Development Corporation. (See Andrews, C. W., and Rogers, assignors.)
- C-S Engineering Company. (See Schellens, Christopher A., assignor.)
- C-S Engineering Company. (See Schellens, Eugene L., assignor.)
- C T Electric Company. (See Twombly, Willard O., assignor.)
- C. V. S. Manufacturing Company. (See Somers, Graham G., assignor.)
- C and W Wire Container Company, The. (See Cook, Jay W., assignor.)
- Cabaniss, Jelko H., executor, et al. (See McWane, James R., assignor.)
- Cable, Julius L., Boston, Mass. Chair. 1,950,226; Mar. 6.
- Cable, Julius L., Boston, Mass., assignor, by mesne assignments, to American Moistening Company, Providence, R. I. Humidifying radiator. 1,983,120; Dec. 4.
- Cable and Wireless Limited. (See Higgitt, H. V., and Warburton, assignors.)
- Cabot, Godfrey L., Inc. (See Billings, E., and Ofutt, assignors.)
- Cabot, Godfrey L., Inc. (See Byrne, Thomas W., assignor.)
- Cacciola, Antonino, Brooklyn, N. Y. Window sash construction. 1,962,925; June 12.
- Cada Company. (See Lakenbach, Daniel, assignor.)
- Cadden, Charles C. (See Bourne, H. A., and Cadden.)
- Cadden, Charles C., and H. A. Bourne, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Hose coupling and making the same. 1,969,203; Aug. 7.
- Cade, John E. (See McCormick, E., and Cade.)
- Cadgene, Ernest, Paterson, N. J. Fabric. 1,978,407; Oct. 30.
- Cadieux, Joseph O., assignor to Connecticut Telephone and Electric Corporation, Meriden, Conn. Gaseous signal light. 1,951,502; Mar. 20.
- Cadieux, Joseph O., assignor to Connecticut Telephone and Electric Corporation, Meriden, Conn. Luminescent gas lighting apparatus. 1,981,903; Nov. 27.
- Cadman, Addi B., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Mounting of brake anchors. 1,947,766; Feb. 20.
- Cadret, Louis A., Pawtucket, R. I. Window. 1,956,891; May 1.
- Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland Heights, Ohio. Electric metal working method and apparatus. 1,979,529; Nov. 6.
- Cadwell, Sidney M., Grosse Pointe, Mich., assignor to Revere Rubber Company, Providence, R. I. Manufacture of balls. 1,951,392; Mar. 20.
- Cadwell, Sidney M., Grosse Pointe Village, assignor to Morgan & Wright, Detroit, Mich. Abrasion resisting rubber stocks. 1,984,247; Dec. 11.
- Cady, Hamilton P. (See Belt, J. S., and Cady.)
- Cady, Walter G., Middletown, Conn. Piezo-electric system. 1,977,169; Oct. 16.
- Cady, Walter G., Middletown, Conn., assignor to Radio Corporation of America. Mounting of piezo-electric resonators. 1,954,238; Apr. 10.
- Caelli, Eric C., Brighton Beach, Victoria, Australia. Electrical fuse of the multiple element type. 1,968,928; Aug. 7.
- Caesar, Julius E., and W. E. C. Meistering, St. Paul, Minn. Copyholder for typewriters. 1,958,417; May 15.
- Cahero, Michael J., Brooklyn, N. Y. Cable tap. 1,978,932; Oct. 30.
- Caggiano, Carmine J., Ozone Park, N. Y. Volume control device for radioreceivers. 1,968,742; July 31.
- Cahall, Fred B. S., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,979,096; Oct. 30.
- Cahall, William H., assignor to National Tank & Manufacturing Co., Los Angeles, Calif. Land leveler. 1,954,282; Apr. 10.
- Cahall, William H., assignor to National Tank and Manufacturing Co., Los Angeles, Calif. Manhole closure. 1,956,665; May 1.
- Cahen, Alfred, Cleveland Heights, Ohio. Machine for rounding and backing books. 1,959,656; May 22.
- Cahen, Georges, and P. Chavalier, Paris, France. Brush. 1,974,795; Sept. 25.
- Cabill, Charles T., Boston, Mass. Wall structure and building unit. 1,950,397; Mar. 13.
- Cabill, George F., New York, N. Y. Race track illumination. 1,983,734; Dec. 11.
- Cabill, James E., Chicago, Ill. Assembled pile. 1,951,202; Mar. 13.
- Cabill, James E., Chicago, Ill. Cofferdam. 1,951,293; Mar. 13.
- Cabill, Joe, assignor of one-half to C. W. Kellogg, Portland, Oreg. Speed reducing transmission. 1,953,151; Apr. 3.
- Cahn, Charles, assignor to The Address, Baltimore, Md. Display card. 1,975,446; Oct. 2.
- Cahors, Paulin, et al. (See Ramos, J. A., and Scribante, assignors.)
- Caiazza, Ralph, Brooklyn, N. Y. Shoe heel. 1,953,744; Apr. 3.
- Cain, John J., Bayonne, N. J. Boiler construction. 1,953,587; Apr. 3.
- Cain, John J., Bayonne, N. J. Boiler construction. 1,953,588; Apr. 3.
- Cain, John R., Washington, D. C. Electrolytic process for the regeneration of pickle liquor. 1,954,664; Apr. 10.
- Cain, John R., Washington, D. C., assignor of one-half to Frederic A. Eustis, Milton, Mass. Making ductile electrolytic iron. 1,945,107; Jan. 30.
- Cain, John R., Washington, D. C., assignor of one-half to F. A. Eustis, Milton, Mass. Making ductile electrolytic iron from sulphide ores. 1,980,381; Nov. 13.
- Caine, Charles H., Chicago, Ill., assignor, by mesne assignments, to Tung-Sol Lamp Works Inc. (Central Warehouse Division). By-pass condenser. 1,948,506; Feb. 27.
- Cairncross, Robert L., Chicago, Ill., assignor to The National Lock Washer Company, Newark, N. J. Rail bond. 1,962,891; June 12.
- Cairns, Claude F., deceased, Belmont, Mass.; M. L. Cairns, administratrix. Voltage regulation system. 1,942,535; Jan. 9.
- Cairns Development Company. (See Cairns, Edmund B., assignor.)
- Cairns, Mae L., administratrix. (See Cairns, Claude F.)
- Caise, Charles, Brooklyn, N. Y. Washing machine. 1,961,548; June 5.
- Caise, Charles, Brooklyn, N. Y. Temporary binder. 1,967,143; July 17.
- Cakora, Charles, Lyons, assignor to G. S. Blakeslee & Co., Cicero, Ill. Door operating means. 1,975,632; Oct. 2.
- Cakora, Charles, Lyons, assignor to G. S. Blakeslee & Co., Cicero, Ill. Load operating means. 1,975,633; Oct. 2.
- Calabrese, Ralph, Brooklyn, N. Y. Door control and operating device. 1,941,969; Jan. 2.
- Calaluca, Leonardo, Somerville, N. J. Game apparatus. 1,971,295; Aug. 21.
- Calamas, Louis. (See Hartzes, Evans, assignor.)
- Cal-Aspirin Company. (See Wodlinger, Mark H., assignor.)
- Calaveras Cement Co. (See Dunton, Harold J., assignor.)
- Calbeck, John H., Joplin, Mo. Recovering metal values from lead bearing materials. 1,965,880; July 10.
- Calco Chemical Company, The. (See Jacobson, Bernard H., assignor.)
- Calco Chemical Company. (See Jeffcott, Robert C., assignor.)
- Calco Chemical Company, Inc. (See Salazar, Leopoldo G., assignor.)
- Calcott, William S., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Corrosion inhibitor. 1,961,194; June 5.
- Calcott, William S., Penns Grove, A. E. Parmelee, Carneys Point, and H. F. Meschter, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alloy for use in the manufacture of tetraethyl lead. 1,944,167; Jan. 23.
- Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounding rubber. 1,947,458; Feb. 20.
- Calcott, William S., Penns Grove, and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for treating acetylene derivatives. 1,950,429; Mar. 13.
- Calcott, William S., Penns Grove, N. J., A. S. Carter, Wilmington, Del., and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Impregnation and product obtained thereby. 1,950,430; Mar. 13.
- Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounding rubber. 1,950,478; Mar. 13.
- Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of inhibiting the deterioration of rubber. 1,954,377; Apr. 10.
- Calcott, William S., Penns Grove, N. J., I. E. Lee, Wilmington, Del., and L. S. Bake, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Acid inhibitor. 1,957,488; May 8.

- Calcott, William S., Penns Grove, and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,958,418; May 15.
- Calcott, William S., Penns Grove, N. J., A. S. Carter, Wilmington, Del., and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of unsaturated hydrocarbons and resulting products. 1,959,343; May 22.
- Calcott, William S., Penns Grove, N. J., A. S. Carter, Wilmington, Del., and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,959,408; May 22.
- Calcott, William S., Penns Grove, A. E. Parmelee, Carneys Point, and H. F. Meschter, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of tetraethyl lead. 1,962,173; June 12.
- Calcott, William S., Penns Grove, N. J., and G. H. Cheney, Newport, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Detergent composition. 1,967,393; July 24.
- Calcott, William S., Penns Grove, N. J., and G. H. Cheney, Newport, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Detergent composition. 1,967,394; July 24.
- Calcott, William S., Penns Grove, N. J., and H. W. Walker, assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Gum inhibitor. 1,971,329; Aug. 28.
- Calcott, William S., Penns Grove, N. J., and I. E. Lee, assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Gum inhibitor for hydrocarbon fuels. 1,972,760; Sept. 4.
- Calcott, William S., Penns Grove, and Alfred E. Parmelee, Carneys Point, N. J., and J. L. Stecher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing tetra alkyl lead. 1,983,535; Dec. 11.
- Calcott, William S., Penns Grove, N. J., and M. O. Foreman, Oak Harbor, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fungicide. 1,985,597; Dec. 25.
- Calderazzo, Dominick J., assignor to Dainty Maid Slippers, Inc., Brooklyn, N. Y. Shoe. Des. 91,755; Mar. 20.
- Calderwood, Hugh A., Pittsburgh, Pa., assignor to National Electric Products Corporation, New York, N. Y. Knock-out. 1,944,706; Jan. 23.
- Caldwell, Albert E., Newark, N. J., assignor to Atlas Supply Company, Newark, N. J. Tire. Des. 94,019; Dec. 11.
- Caldwell, Charles H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. Des. 91,348; Jan. 16.
- Caldwell, Charles H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. Des. 91,349; Jan. 16.
- Caldwell, Dave L., La Canada, Calif. Pumping unit. 1,982,634; Dec. 4.
- Caldwell, Edwin D., Fredonia, N. Y., and L. S. Wilbur, Evanston, Ill., assignors to Franklin Railway Supply Company, New York, N. Y. Stabilizing reverse gears. 1,965,406; July 3.
- Caldwell, Frank W., Hartford, Conn., and C. F. Rauen, Detroit, Mich. Spinner structure for aircraft. 1,978,039; Oct. 23.
- Caldwell, Harold B. (See Connell, G. A., Cramer, and Caldwell.)
- Caldwell, Harry F. (See Tuthill, H. B., and Caldwell.)
- Caldwell, J. E., & Company. (See Korfhage, Harry W., assignor.)
- Caldwell, John R., Akron, Ohio. Shoe sole or the like and manufacturing same. 1,973,748; Sept. 18.
- Caldwell, Lewis E., Omaha, Nebr. Looseleaf memorandum pad. 1,970,839; Aug. 21.
- Caldwell, Louis H. (See McIntosh, G. J., and Caldwell.)
- Caldwell, Lyle, assignor, by mesne assignments, to California First National Bank of Long Beach, Long Beach, Calif., trustee. Neutralization. 1,952,622; Mar. 27.
- Caldwell, Lyle, assignor, by mesne assignments, to California First National Bank of Long Beach, Long Beach, Calif. Process of neutralization. 1,954,116; Apr. 10.
- Caldwell, Lyle, Los Angeles, and R. T. Howes, assignors, by mesne assignments, to California First National Bank of Long Beach, Long Beach, Calif., trustee. Neutralization of hydrocarbon oils. 1,941,970; Jan. 2.
- Caldwell, Philip G., Schenectady, N. Y., assignor to General Electric Company. Sound absorbing system. 1,947,287; Feb. 13.
- Caldwell, Rufus H. (See Tileston, C. A., and Caldwell.)
- Caldwell, Wallace L., Birmingham, Ala. Manufacture of precast building units of porous concrete. 1,951,344; Mar. 20.
- Caldwell, Wallace L., Birmingham, Ala. Manufacture of porous concrete. 1,954,117; Apr. 10.
- Caldwell, William J., Kansas City, Mo., assignor to J. H. McCormick & Co., Williamsport, Pa. Air washer and dehumidifier. 1,968,778; July 31.
- Caldwell, William J., Independence, Mo., assignor to J. H. McCormick & Co., Williamsport, Pa. Evaporative cooling. 1,985,338; Dec. 25.
- Caldwell, William T., Vivian, La. Gas tank cap. 1,977,935; Oct. 23.
- Cale, Dutro C., San Francisco, Calif., assignor to Certain-Teed Products Corporation, New York, N. Y. Laying waterproof coverings. 1,968,281; July 31.
- Calef, Sewell C., assignor to Industrial Patents Corporation, Chicago, Ill. Ham saw-gauge. 1,975,191; Oct. 2.
- Caley, Wendell J., Manoa, Pa. Hair curler or waver. 1,945,932; Feb. 6.
- Calhoun, John C., Greensboro, N. C. Folding card table. 1,950,540; Mar. 13.
- Calhoun, Samuel H., Tappen, British Columbia, Canada. Nonskid tire chain. 1,961,549; June 5.
- Calibron Products, Incorporated. (See Edison, Theodore M., assignor.)
- Calico Printers' Association Limited, The. (See Payne, Benjamin W., assignor.)
- California Almond Growers Exchange. (See Bailey, David R., assignor.)
- California Consolidated Water Company. (See Rock, Harry B., assignor.)
- California Consumers Company. (See Malm, J. C., and Walsh, assignors.)
- California Corrugated Culvert Co. (See Johnson, Clarence F., assignor.)
- California Corrugated Culvert Co. (See Norton, Albert C., assignor.)
- California First National Bank of Long Beach. (See Caldwell, Lyle, assignor.)
- California First National Bank of Long Beach, trustee. (See Caldwell, Lyle, assignor.)
- California First National Bank of Long Beach, trustee. (See Caldwell, L., and Howes, assignors.)
- California First National Bank of Long Beach, trustee. (See Howes, Raymond T., assignor.)
- California Fruit Growers Exchange. (See Baier, W. E., and Harris, assignors.)
- California Fruit Growers Exchange. (See Finley, James A., assignor.)
- California Fruit Growers Exchange. (See Jameson, Eloise, assignor.)
- California Fruit Growers Exchange. (See Jameson, E., and Wilson, assignors.)
- California Fruit Growers Exchange. (See MacRill, J. R., and Walker, assignors.)
- California Fruit Growers Exchange. (See Stevens, Jesse W., assignor.)
- California Fruit Growers Exchange. (See Wilson, Clarence W., assignor.)
- California and Hawaiian Sugar Refining Corporation. (See Woodward, Harry T., assignor.)
- California Institute of Technology. (See Sorensen, Royal W., assignor.)
- California Packing Corporation. (See Ash, Charles S., assignor.)
- California Packing Corporation. (See Duncan, Arthur L., assignor.)
- California Packing Corporation. (See Goranson, Hjalmar, and D., assignors.)
- California Packing Corporation. (See Johnson, Maxwell O., assignor.)
- California Packing Corporation. (See Morine, Charles V., assignor.)
- California Packing Corporation. (See Pilorz, Bruno.)
- California Packing Corporation. (See Richardson, Alan C., assignor.)
- California Prune & Apricot Growers Association. (See Jacobs, Sol, assignor.)
- California Prune & Apricot Growers Association. (See Pape, Clifford B., assignor.)
- California Spray-Chemical Corporation. (See Parker, William B., assignor.)
- Caligiuri, John, Brooklyn, N. Y. Bottle valve. 1,978,339; Oct. 23.
- Calkins, Austin E., Westfield, N. J., assignor to Standard Oil Development Company. Liquid level control device. 1,981,800; Nov. 20.
- Calkins, Leslie B., Elsinore, Calif. Brooder. 1,962,982; June 12.
- Calkins, Leslie B., Elsinore, assignor of ten per cent to L. J. Difani, Riverside, five per cent to G. R. Gough and three per cent to E. L. Engberg, Elsinore, and five per cent to P. J. Ondryska, five per cent to E. P. Girard, and five per cent to H. Waechter, and ten per cent to J. Lind, Murietta, Calif. Electric heater. 1,962,981; June 12.
- Calkins, William G., assignor to Chrysler Corporation, Detroit, Mich. Porous metal bearing composition. 1,974,173; Sept. 18.
- Calkins, William G., and A. J. Langhammer, assignors to Chrysler Corporation, Detroit, Mich. Porous metal structure. 1,958,740; May 15.
- Calkins, William G., and A. J. Langhammer, assignors to Chrysler Corporation, Detroit, Mich. Pivot lubricating and bearing means. 1,980,166; Nov. 13.
- Call, Benjamin G., Tacoma, Wash., assignor to American Smelting & Refining Company, New York, N. Y. Bedding machine. 1,949,861; Mar. 6.
- Call, Elmer A., Cleveland, Ohio. Cigarette holder. 1,956,892; May 1.
- Callaghan, Richard, Kansas City, Mo. Safety zone guard. 1,959,568; May 22.
- Callahan, George F., Owensboro, Ky., assignor to Westinghouse Lamp Company. Mercury switch. 1,941,971; Jan. 2.

- Callahan, George F., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Mercury switch. 1,957,691; May 8.
- Callahan, Henry F., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device and method of manufacturing. 1,980,572; Nov. 13.
- Callahan, James P., San Francisco, Calif. Side windshield. 1,980,976; Nov. 20.
- Callahan, John J. (See Cecil, E. L., and Callahan.)
- Callahan, Joseph F. (See O'Neil, F. E., and Callahan.)
- Callahan, Oscar L., assignor of one-half to G. I. Cotter, West Frankfort, Ill. Removing dents from sheet metal surfaces. 1,973,331; Sept. 11.
- Callahan, Timothy F., Quincy, Mass. Apparatus for slow deposition of liquid. 1,970,688; Aug. 21.
- Callahan, Timothy F., Quincy, Mass. Apparatus for semi-fluid and fluid evacuation. 1,973,560; Sept. 11.
- Callahan, Timothy F., Quincy, Mass. Apparatus for semi-fluid and fluid evacuation. 1,985,401; Dec. 25.
- Callan, John G. (See Allen, A., and Callan.)
- Callard, Robert P., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Annealing leer. 1,957,132; May 1.
- Callaway, Clarence R., Long Beach, N. Y., assignor, by mesne assignments, to Honesdale National Bank, Honesdale, Pa. Speed checking and control mechanism. 1,951,689; Mar. 20.
- Callaway, R. W., et al., trustees. (See Tuchfarber, Frank, assignor.)
- Callaway, Robert M., Waco, Tex. Outlet construction. 1,944,401; Jan. 23.
- Callender, Elliott A., Peoria, Ill. Protective device for windows. 1,945,729; Feb. 6.
- Callender, Monroe N., Los Angeles, Calif. Cuspidor. 1,985,533; Dec. 25.
- Callender's Cable and Construction Company. (See Hill, Harry, assignor.)
- Callender's Cable and Construction Company Limited. (See Hill, Harry, assignor.)
- Callender's Cable and Construction Company Limited. (See Hunter, Philip V., assignor.)
- Callender's Cable and Construction Company Limited. (See Richardson, Arthur B. F. G., assignor.)
- Callier, Raymond E., Scarsdale, N. Y. Material handling system. 1,980,782; Nov. 13.
- Callery, Luis E. d'A., assignor to Nuevas Explosivos Industriales S. A., Madrid, Spain. Manufacturing an explosive substance containing ammonium nitrate. 1,975,682; Oct. 2.
- Calleson, Amos, Brooklyn, N. Y., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 1,953,642; Apr. 3.
- Calleson, Amos, Merrick, N. Y., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 1,953,643; Apr. 3.
- Calleson, Amos, Merrick, N. Y., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 1,953,644; Apr. 3.
- Calleson, Amos, Merrick, N. Y., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 1,953,645; Apr. 3.
- Calleson, Edgar A., Merrick, N. Y. Exercising machine. 1,974,445; Sept. 25.
- Calley, Joseph, Detroit, Mich., assignor to The Murray Corporation of America. Welding device. 1,983,692; Dec. 11.
- Callis, Conral C., and R. B. Derr, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Fluxing composition. 1,960,239; May 29.
- Callisen, Albert. (See Schmid, A., Klein, Mattes, and Callisen.)
- Callisen, Albert, Stuttgart, and E. Klemm, Cannstatt, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Starting device for internal-combustion engines. 1,962,706; June 12.
- Calmeyn, Alex. (See Cavanaugh, G. F., Calmeyn, and Bruinooghe.)
- Calnan, Thomas A., Montmorency, France, assignor to Boston Blacking and Chemical Co. Reinforcing insoles. 1,962,053; June 5.
- Calpha, Arthur J., and O. I. Craft, assignors to Indiana Foundry Machine & Supply Company, Brazil, Ind. Hydraulic feed control apparatus. 1,975,250; Oct. 2.
- Calvert, John T., assignor to The A. I. Root Company, Medina, Ohio. Centrifugal honey extractor. 1,968,014; July 31.
- Calvert, William C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparation of aromatic amines. 1,948,830; Feb. 20.
- Camagni, Jean M., Paterson, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Apparatus for and process of making lip sticks and the like. 1,945,255; Jan. 30.
- Camblin, Colin. (See Ramsey, J. C., and Camblin.)
- Cambridge Instrument Company, The. (See Digby, James D., assignor.)
- Cambridge Instrument Company, The. (See Packard, Horace N., assignor.)
- Cambridge Trust Company, executor. (See Troland, Leonard T.)
- Camel Company. (See Beauchamp, Wilfred A., assignor.)
- Camel Company. (See Eklind, Carl E., assignor.)
- Camel Company. (See Eklind, C. E., and Tobin, assignors.)
- Camel Company. (See Fehr, E. J., Tobin, and Heinen, assignors.)
- Camel Company. (See Heinen, Frederick C., assignor.)
- Camel Company. (See Jackson, Ora S., assignor.)
- Camel Company. (See Lute, C., and Tobin, assignors.)
- Camel Company. (See Tobin, Kenneth J., assignor.)
- Camel Company. (See Treptow, George R., assignor.)
- Camel Company. (See Vegren, Conrad R., assignor.)
- Camel Company. (See Wasberg, Axel, assignor.)
- Camera-Projectors Limited. (See Hillery-Collings, Charles E., assignors.)
- Cameron Can Machinery Co. (See Cameron, William, assignor.)
- Cameron, Donald A., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 1,983,165; Dec. 4.
- Cameron, Edith O., Berkeley, Calif. Snap fastener aligning means. 1,955,945; Apr. 24.
- Cameron, Evan D., assignor of one-half to P. Cameron, Paris, Tex. Crate. 1,980,908; Nov. 13.
- Cameron, Hugh M., Woodhaven, assignor to John Chatillon & Sons, New York, N. Y. Force measuring machine. 1,979,822; Nov. 6.
- Cameron, Hugh S., New Glasgow, Nova Scotia, Canada. Steel joist. 1,952,235; Mar. 27.
- Cameron Iron Works. (See Park, Tracy S., assignor.)
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting device. 1,944,781; Jan. 23.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Controlling a web of flexible material in a winding machine. 1,966,331; July 10.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting and winding machine. 1,967,922; July 24.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 1,984,784; Dec. 18.
- Cameron Machine Company. (See Birch, Gustaf B., assignor.)
- Cameron Machine Company. (See Cameron, James A., assignor.)
- Cameron Machine Company. (See Frostad, George O., assignor.)
- Cameron, Paul. (See Cameron, Evan D., assignor.)
- Cameron, Richard, Buffalo, N. Y. Antenna. 1,952,623; Mar. 27.
- Cameron, Robert R., Denver, Colo. Gas furnace. 1,972,549; Sept. 4.
- Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Double seamer. 1,941,972; Jan. 2.
- Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Sheet feeding mechanism. 1,959,854; May 22.
- Cameron, William J. (See Eells, Milton M., assignor.)
- Cameron, William J., New Smyrna, Fla. Trap. 1,971,640; Aug. 28.
- Cameron, William J., Los Angeles, Calif. Dispensing device. 1,984,629; Dec. 18.
- Camerota, Louis A., Burlington, N. J., assignor to W. Wood, Philadelphia, Pa. Centrifugal casting machine. 1,944,168; Jan. 23.
- Camescasse, Pierre, Paris, France, assignor to The Magnesium Production Co. Ltd., London, England. Producing magnesium. 1,967,550; July 24.
- Camille Lingerle, Inc. (See Weiner, Samuel N., assignor.)
- Camilli, Guglielmo. (See Boyajian, A., and Camilli.)
- Camilli, Guglielmo. (See Slater, I. H., and Camilli.)
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Temperature indicator. 1,953,914; Apr. 3.
- Camillus Cutlery Company. (See Hourin, Alton P. B., assignor.)
- Caminez, Harold, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Oil pressure relief valve. 1,948,479; Feb. 20.
- Cammann, Oswald. (See Lothrop, C., and Cammann.)
- Cammen, Leon, assignor to P. Davie, New York, N. Y. Tongs for holding wound elements. 1,953,926; Apr. 10.
- Cammen, Leon, assignor to P. Davie, New York, N. Y. Oil purifying apparatus. 1,955,903; Apr. 24.
- Cammen, Leon, assignor to P. Davie, New York, N. Y. Surface tension dialyzer element and constructing same. 1,965,172; July 3.
- Cammen, Leon, assignor to P. Davie, New York, N. Y. Method and apparatus for surface tension dialysis. 1,974,235; Sept. 15.
- Canner, H. G. (See There, E. O. P., and Gunnar.)
- Camp, Clifford B., assignor to The Woodcraft Corporation, Bay City, Mich. Sewing cabinet. Des. 92,836; July 24.
- Camp, Hiram W., Tulsa, Okla., assignor to Empire Oil and Refining Company, New York, N. Y. Refining oil. 1,961,898; June 5.
- Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster. 1,947,402; Feb. 13.
- Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster for railway brakes. 1,947,403; Feb. 13.
- Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Company. Brake adjuster. 1,947,404; Feb. 13.
- Camp, Percy B., Maywood, assignor to Universal Draft Gear Attachment Company, Chicago, Ill. Automatic slack adjuster. 1,947,405; Feb. 13.
- Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Brake adjuster. 1,971,308; Aug. 28.

- Camp, Percy B., Maywood, and J. Wilson, Chicago, Ill., assignors to Universal Draft Gear Attachment Co. Brake mechanism for railway cars. Re19,072; Feb. 6.
- Camp, Raymond G., New Philadelphia, Ohio. Water filter. Des. 93,910; Nov. 27.
- Camp, S. H., & Company. (See Camp, Samuel H., assignor.)
- Camp, Samuel H., assignor to S. H. Camp & Company, Jackson, Mich. Garment. 1,964,107; June 26.
- Camp, Thomas P., Glen Ellyn, assignor to United States Gypsum Company, Chicago, Ill. Uniting dissimilar materials. 1,953,589; Apr. 3.
- Campagna, Luigi, Pittsburgh, Pa. Plant stand. 1,951,749; Mar. 20.
- Campana, George G., Brooklyn, N. Y., assignor, by mesne assignments, to Delamere Company, Inc. Hair curler. 1,971,745; Aug. 28.
- Camparella, Antonio, Brooklyn, N. Y. Automatic display cabinet. 1,971,947; Aug. 28.
- Camparella, Secondo, New York, N. Y. Carburetor. 1,972,700; Sept. 4.
- Campanile, José A., Ensenada, Argentina. Locking device for locks. 1,962,550; June 12.
- Campbell, Alphonso S., Winchester, Mass. Vertical bumper. Des. 92,520; June 19.
- Campbell, Arthur W., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Aromatic amine. 1,950,079; Mar. 6.
- Campbell, Benjamin G., C. C. Wing, and G. Heath, Oakland, Calif.; said Heath assignor to said Campbell and said Wing. Apparatus for capping containers. 1,969,450; Aug. 7.
- Campbell-Buchanan Corporation. (See Campbell, Leon J., assignor.)
- Campbell, Charles, London, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine for record cards. 1,944,680; Jan. 23.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Valve. 1,949,559; Mar. 6.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,951,083; Mar. 13.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Hose connection. 1,952,531; Mar. 27.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,952,532; Mar. 27.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,954,039; Apr. 10.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Connecting mount for air brake valves. 1,955,871; Apr. 24.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,956,666; May 1.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,957,692; May 8.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,962,268; June 12.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Feed valve for air brakes. 1,964,108; June 26.
- Campbell, Charles A., and E. C. Vroman, Watertown, N. Y., assignors to The New York Air Brake Company. Air brake. 1,984,459; Dec. 18.
- Campbell, Charles H., Kent, Ohio. Heat insulation. 1,942,162; Jan. 2.
- Campbell, Charles L., assignor to E. B. Badger & Sons Company, Boston, Mass. Hydrolysis of halogen derivatives of hydrocarbons. 1,953,745; Apr. 3.
- Campbell, Clarence G. (See Carl, Byron E., assignor.)
- Campbell, Curtis Q. M., Shamokin, Pa. Preparation of sols for clarifying liquids. 1,942,507; Jan. 9.
- Campbell, Daniel M., Duntocher, Dunbartonshire, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Device for use in the manufacture of ornamental fabrics. 1,964,504; June 26.
- Campbell, Donald J., et al. (See Kramer, Emil M., assignor.)
- Campbell, Donald J., Spring Lake Township, Ottawa County, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Casting brake drums. 1,943,720; Jan. 16.
- Campbell, Donald J., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Centrifugal casting machine. 1,963,400; June 19.
- Campbell, Donald J., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Producing composite brake drums. 1,974,949; Sept. 25.
- Campbell, Duncan. (See Fraser, J., and Campbell.)
- Campbell, Duncan, Dumbreck, Glasgow, Scotland. Hydraulic power transmitter. 1,955,146; Dec. 18.
- Campbell, Edmund D., University City, Mo., assignor to American Car and Foundry Company, New York, N. Y. Precooling railway passenger cars. 1,956,790; May 1.
- Campbell, Ernest F., Arlington, Va., assignor to Lummus Cotton Gin Company, Columbus, Ga. Material handling apparatus. Re19,108; Mar. 13.
- Campbell, Eugene G. (See Hecht, M., and McKinney, assignors.)
- Campbell, George P., Chicago, Ill. Spectacle bow. Des. 93,702; Oct. 30.
- Campbell, Given, St. Louis, Mo. Air conditioning apparatus. 1,964,558; June 26.
- Campbell, Harris S., Hatboro, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors and operating the same. 1,980,980; Nov. 20.
- Campbell, Harry P., Clayton, N. J. Tennis scoring device. 1,985,652; Dec. 25.
- Campbell, Henry H., Cleveland, Ohio. Pump. 1,963,350; June 19.
- Campbell, Howard H. (See Duceska, J., and Campbell.)
- Campbell, James, Doune, assignor to Archibald Fraser, Glasgow, Scotland. Plural deck vehicle body. 1,946,013; Feb. 6.
- Campbell, James L., Lansing, Mich. Balance indicator for weighing scales. 1,945,770; Feb. 6.
- Campbell, John, and L. O. Rolleston, Glens Falls, assignors to International Paper Company, New York, N. Y. Bleaching fibrous cellulose material. 1,957,937; May 8.
- Campbell, John, and L. O. Rolleston, Glens Falls, assignors to International Paper Company, New York, N. Y. Bleaching process. 1,957,938; May 8.
- Campbell, John A., Manchester, assignor of one-half to D. F. Marks and A. J. McCormick, Lynn, Mass. Cement-distributing machine. 1,959,155; May 15.
- Campbell, John D., assignor to Jay-Dee Manufacturing Co., Ltd., Tustin, Calif. Brake mechanism. 1,947,826; Feb. 20.
- Campbell, John F., Modesto, Calif. Direction signal. 1,960,409; May 29.
- Campbell, Lawrence P., Sharpsburg, Pa. Mower. 1,957,756; May 8.
- Campbell, Lawrence P., Sharpsburg, Pa. Mowing machine. 1,957,757; May 8.
- Campbell, Lawrence P., Sharpsburg, Pa. Lawn mower. 1,957,758; May 8.
- Campbell, Leon J., Buchanan, Mich., assignor to Campbell-Buchanan Corporation, Chicago, Ill. Transmission mechanism for motor vehicles. 1,984,354; Dec. 18.
- Campbell, Le Roy W., Montclair, N. J., assignor to The Napier Company, Meriden, Conn. Shaker top. Des. 94,116; Dec. 25.
- Campbell, Leslie K., Newton, Iowa. Dental hand piece. 1,977,263; Oct. 16.
- Campbell, Lorn, jr., Cleveland, Ohio. Braking system for land vehicle trains. 1,943,287; Jan. 16.
- Campbell, Lorn, jr., Lakewood, Ohio. Blowpipe tip. 1,949,780; Mar. 6.
- Campbell, Lorn, jr., Lakewood, Ohio. Acetylene generator. 1,955,722; Apr. 17.
- Campbell, Lorn, jr., Lakewood, Ohio. Blowpipe. 1,955,846; Apr. 24.
- Campbell, Lorn, jr., Lakewood, Ohio. Blowpipe. 1,958,741; May 15.
- Campbell, Max E., et al. (See Creen, Robert H., assignor.)
- Campbell Metal Window Corporation. (See Sargent, Allston, assignor.)
- Campbell, Nathan G., Newark, and G. W. Rink, Westfield, assignors to Newark Warehouse Company, Newark, N. J. Method of and equipment for handling and shipping materials in bulk. 1,963,545; June 19.
- Campbell, Patrick C., London, England. Display or advertising device. 1,978,294; Oct. 23.
- Campbell, Patrick J. (See McPeak, Frank V., assignor.)
- Campbell, Richard L., Collingswood, N. J., assignor to Radio Corporation of America. Cathode ray tube mount. 1,956,943; May 1.
- Campbell, Richard T., assignor to Stickley Brothers Company, Grand Rapids, Mich. Furniture leg or the like. Des. 93,760; Nov. 6.
- Campbell, Robert B., Vancouver, British Columbia, Canada. Sound reproducer. 1,954,963; Dec. 18.
- Campbell, Robert W., Pasadena, Calif. Necktie rack. 1,973,974; Sept. 18.
- Campbell, Rodney B., Walnut Park, assignor to A. M. Herbsman, Huntington Park, Calif. Internal wrench. 1,968,872; Aug. 7.
- Campbell, Samuel J., Green Bay, Wis. Manufacturing folded paper articles. 1,959,409; May 22.
- Campbell, Samuel J., Green Bay, Wis. Feeding and cutting mechanism. 1,962,761; June 12.
- Campbell, Samuel J., Green Bay, Wis. Folded paper articles. 1,962,762; June 12.
- Campbell, Sterling H. (See Pietzsch, F. H., and Campbell.)
- Campbell, Sterling H., F. K. Habenicht, and F. H. Pietzsch, assignors to Western Railway Equipment Company, St. Louis, Mo. Journal bearing for railway cars. 1,967,525; July 24.
- Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Rotary bit. 1,954,166; Apr. 10.
- Campbell, Sumner E., Long Beach, Calif. Refining oil. 1,953,336; Apr. 3.
- Campbell, Sumner E., Long Beach, Calif. Decolorizing oils. 1,955,717; Dec. 25.
- Campbell-Taggart Associated Bakeries, Inc. (See Archer, Philip D., assignor.)
- Campbell, Thomas D. (See Burrows, Eastman A., assignor.)
- Campbell, Thomas W. (See Hendriks, H., Dean, and Campbell.)

- Campbell, Vernon W., Nashua, N. H., assignor to C. F. Church Mfg. Co., Holyoke, Mass. Toilet seat hinge. Des. 93,538; Oct. 9.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Power cleaver. 1,947,896; Feb. 20.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,947,897; Feb. 20.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,947,898; Feb. 20.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Sharpener for slicing machines. 1,947,899; Feb. 20.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,952,837; Mar. 27.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,952,838; Mar. 27.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,961,959; June 5.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,966,088; July 10.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,979,957; Nov. 6.
- Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
- Campbell, Wyant & Cannon Foundry Company. (See Dake, Charles W., assignor.)
- Campbell, Wyant & Cannon Foundry Company. (See Kramer, Emil M., assignor.)
- Campbell, Wyant & Cannon Foundry Company. (See Wyant, Ira A., assignor.)
- Campbell, Wyant & Cannon Foundry Company. (See Wyant, I. A., and Dake, assignors.)
- Campsie, Harold G., Hollywood, Calif. Synthesis of vitamin D. 1,980,971; Nov. 13.
- Campus, Cesare C., Santa Monica, Calif. Bidet. 1,960,839; May 29.
- Canadian Atlas Steels Limited. (See Norley, Harry C., assignor.)
- Canadian Car & Foundry Company Limited. (See Viberg, Ernest R., assignor.)
- Canadian Electro Products Company. (See Skirrow, F. W., and Morrison, assignors.)
- Canadian Industries Limited. (See Johnson, Edwin J., assignor.)
- Canadian International Paper Company. (See Hochberger, Ernst, assignor.)
- Canady, Don, Cleveland, Ohio. Indicating signaling device. 1,982,133; Nov. 27.
- Canady, Frank. (See Canady, Nathan and F.)
- Canady, Nathan and F., Philadelphia, Pa. Fitted belt for nurse's uniform. 1,950,045; Mar. 6.
- Canal Storage Company, Inc. (See Poliakoff, Samuel, assignor.)
- Canavan, William F., Montreal, Quebec, Canada. Sash operating mechanism. 1,956,269; Apr. 24.
- Candee, Andrew H. (See Kerr, C., Candee, King, Harder, and McLanahan.)
- Candee, Catherine T. (See Candee, Joseph S., assignor.)
- Candee, Ellsworth T. (See Hibbard, W. R., and Candee.)
- Candee, Joseph S., assignor to C. S. Candee, Buffalo, N. Y. Supply and discharge mechanism for water closet tanks. 1,984,394; Dec. 18.
- Candee, Zenas P., Watertown, assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Vertical automatic shell trimming machine. 1,948,107; Jan. 9.
- Candee, Zenas P., Watertown, and J. B. Burton, assignors to The Waterbury Farrel Foundry & Machine Co., Waterbury, Conn. Crank operated eyelet machine. 1,952,195; Mar. 27.
- Candor, Robert R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,974,736; Sept. 25.
- Candor, Robert R., and D. C. Staley, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,949,676; Mar. 6.
- Candy, Albert M., Wilkinsburg, Pa., and G. H. Koch, Salem, Ohio, assignors to Westinghouse Electric & Manufacturing Company. Welding apparatus. 1,962,297; June 12.
- Candy & Company, Inc. (See Barrett, Francis J., jr., assignor.)
- Cane, Gordon F., assignor, by mesne assignments, to T. Thompson, San Francisco, Calif. Bedding clamp. 1,948,841; Feb. 27.
- Cane, Gordon F., assignor, by mesne assignments, to T. Thompson, San Francisco, Calif. Roll-about foldable bed. 1,950,784; Mar. 13.
- Canepa Company, John B., The. (See Zimmerman, Lester R., assignor.)
- Canevari, Louis D., Stockton, Calif. Radio receiver cabinet. Des. 91,803; Mar. 27.
- Candfield, Melville W., assignor to Coast Envelope & Leather Products Company, Los Angeles, Calif. Mechanism for forming book covers. 1,960,475; May 29.
- Candfield, Richard W., assignor to Clemson Bros., Inc., Middletown, N. Y. Antifriction tool. 1,967,020; July 17.
- Candfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Suction gathering bottle machine with overlapping cycles. 1,911,878; Jan. 2.
- Canister Company, The. (See Garfield, Ralph T., assignor.)
- Cann, Harry E., West Chester, Pa. Cooling device. 1,982,570; Nov. 27.
- Cannard, William H., Mosinee, Wis. Refiner for pulp and like materials. 1,963,970; June 26.
- Canney, Frank R. (See Minshall, R. J., and Canney.)
- Canning, Franklin V., assignor to Sweets Laboratories Inc., New York, N. Y. Chewing gum material and making same. 1,975,447; Oct. 2.
- Cannon, Edgar C., Donora, Pa. Anchor bolt casing. 1,960,728; May 29.
- Cannon, Hugh H., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Sweetening petroleum products. 1,979,448; Nov. 6.
- Cannon, James H., Los Angeles, Calif. Lamp. Des. 92,229; May 15.
- Cannon, John W., Birmingham, Ala. Illuminable display structure. 1,956,490; Apr. 24.
- Cannon, John W., Plainfield, N. J. Shingle. 1,979,862; Nov. 6.
- Cannon-Prutzman Treating Processes, Ltd. (See Cannon, Hugh H., assignor.)
- Cannon, Thomas E., Pittsburgh, and C. F. Krauss, Ambler, Pa. Smoke box structure for locomotives. 1,951,235; Mar. 13.
- Cannon, Will A., Niagara Falls, N. Y. Stadium. 1,965,486; July 3.
- Cannon, William D., Metuchen, and J. W. Milnor, Maplewood, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Balancing ocean cables. 1,967,183; July 17.
- Canny, David R., Los Angeles, Calif. Casement window. 1,969,715; Aug. 14.
- Cantacuzene, Servan G., Paris, France. Device for heating viscous liquid in a tank. 1,962,054; June 5.
- Cantacuzene, Servan G., Paris, France. Sampling apparatus for liquids. 1,974,236; Sept. 18.
- Cantalupo, Pasquale. (See Lupo, Giacomo, assignor.)
- Canter, David, Brooklyn, N. Y. Ice cream cone. Des. 91,981; Apr. 17.
- Canter, David, Brooklyn, N. Y. Ice cream cone. Des. 91,982; Apr. 17.
- Canter, Morris, New York, N. Y. Seal fastener for sheet material. Des. 92,879; July 31.
- Canter, Morris, Brooklyn, N. Y. Marker for fur skins. 1,963,648; June 19.
- Canter, Orle R., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Curing hides and skins. 1,969,922; Aug. 14.
- Cantlever Seat Company, Incorporated. (See Cucuel, Arthur L., assignor.)
- Canton, Allen A., New York, N. Y. Apparatus for and method of synchronously recording and reproducing sounds and pictures. 1,965,173; July 3.
- Cantor, Samuel, Brooklyn, N. Y. Flower holder. Des. 94,071; Dec. 18.
- Cantor, Samuel, Brooklyn, N. Y. Flower holder. Des. 94,072; Dec. 18.
- Cantrell, J. T., & Company. (See Cantrell, Joseph T., assignor.)
- Cantrell, Joseph T., assignor to J. T. Cantrell & Company, Huntington, N. Y. Clamp. 1,951,922; Mar. 20.
- Cantwell, Joseph M., Delmar, assignor of one-half to E. J. B. Murray, Albany, N. Y. Device for wringing hot packs and the like. 1,943,755; Jan. 16.
- Cap Coupler Corp., The. (See Knudsen, Carl B., assignor.)
- Capaldo, Louis A. (See Saxon, W., and Lustgarten, assignors.)
- Cape Butter Tub Company. (See Burhen, Reinhart, jr., assignor.)
- Capehart Automatic Phonograph Corporation. (See Wilber, Paul F., assignor.)
- Capehart Corporation, The. (See Collison, Edward E., assignor.)
- Capehart Corporation, The. (See Collison, E. E., and Degenhart, assignors.)
- Capehart Corporation, The. (See Hutter, William H., assignor.)
- Capehart Corporation, The. (See Lannerd, Paul U., assignor.)
- Capehart Corporation, The. (See Small, Thomas W., assignor.)
- Capelis Safety Airplane Corporation. (See Younger, John E., assignor.)
- Capelis, Socratis H., El Cerrito, Calif. Retractable landing gear. 1,956,313; Apr. 24.
- Capillizar Holding Corporation. (See Frolander, F. C., and Czarny, assignors.)
- Capital Ink Machine Company. (See Lundeen, Edward, assignor.)
- Capital Paper Company. (See Kahn, Samuel C., assignor.)
- Caplan, Leo, Brooklyn, N. Y. Combined muddler and spear or similar article of manufacture. Des. 92,580; June 26.
- Caplan, Moses, Boston, Mass. Shelf trimming. 1,975,251; Oct. 2.
- Caples, William G., Chicago, Ill. Sheet-metal-piling wall structure. 1,947,151; Feb. 18.
- Capogreco, Nicodemus, East Boston, Mass. Combination bumper and emergency brake mechanism for motor vehicles. 1,956,491; Apr. 24.

- Cappa, Thomas, Bloomfield, N. J. Combined cleaner and liquid dispensing apparatus. 1,981,611; Nov. 20.
- Cappe, William D. (See Melcher, John P., and Cappe.)
- Capps, Frank L., Milford, and J. O. Prescott, Glenbrook, assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Motor drive. 1,958,564; May 15.
- Capps, William P., assignor to Gulf Refining Company of Louisiana, Shreveport, La. Valve lapping machine. 1,950,785; Mar. 13.
- Capra, John, Montreal, Quebec, Canada. Bathtub support. 1,955,485; Apr. 17.
- Caprio, Amerigo F. (See Walsh, J. F., and Caprio.)
- Caprio, Amerigo F., Newark, N. J., assignor to Celluloid Corporation. Tempering cellulose acetate plastics. 1,979,672; Nov. 6.
- Caprio, Amerigo F., Newark, N. J., assignor to Celluloid Corporation. Cementing foil and thin film. 1,981,141; Nov. 20.
- Caprotti, Arturo, Milan, Italy. Poppet valve gear. 1,976,325; Oct. 9.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic color process. 1,954,346; Apr. 10.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Sound reproduction. 1,969,451; Aug. 7.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Material and process for making multicolor subtractive photographic prints. 1,969,452; Aug. 7.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Making a combined sound and picture record. 1,973,463; Sept. 11.
- Capstaff, John G., and M. W. Seymour, assignors to Eastman Kodak Company, Rochester, N. Y. Making photographic images in dyed silver iodide. 1,966,332; July 10.
- Capstan Glass Company. (See McNamara, William L., assignor.)
- Capstan Glass Company. (See Piazzoli, Louis P., jr., assignor.)
- Capstan Glass Company. (See Piazzoli, Theodore J., assignor.)
- Caputo, James V., Girard, Ohio. Control system for electric welders. 1,967,198; July 17.
- Caradine Hat Company. (See Wittcoff, Edward, assignor.)
- Carb. Nathan R., Brooklyn, N. Y. Shower curtain or drape. 1,967,659; July 24.
- Carbide & Carbon Chemicals Corporation, et al. (See Branchen, Leonard E., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Caruthers, Thomas F., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Cox, Henry L., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Davidson, Joseph G., assignor.)
- Carbide & Chemical Corporation. (See Davies, John A., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Fife, Harvey R., assignor.)
- Carbide & Carbon Chemical Corporation. (See Frazier, Ralph B., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Greer, Paul S., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Groff, Frazier, assignor.)
- Carbide and Carbon Chemicals Corporation. (See Harvey, Norman D., jr.)
- Carbide and Carbon Chemicals Corporation. (See Law, George H., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Perkins, Granville A., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Perkins, G. A., and Toussaint, assignors.)
- Carbide and Carbon Chemicals Corporation. (See Reid, Ernest W., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Reid, George H., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Wickerf, Jacob N., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Wilson, Alexander L., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Williams, Duncan B., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Young, Charles O., assignor.)
- Carbide & Carbon Chemicals Corp. (See Young, C. O., and Law, assignors.)
- Carbide & Carbon Chemicals Corporation. (See Young, C. O., and Perkins, assignors.)
- Carbis, Samuel. (See Harrison, R. E. W., and Carbis.)
- Carbonara, Victor E., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Temperature compensating device. 1,966,753; July 17.
- Carbonara, Victor E., Rockville Center, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Temperature responsive control means. 1,966,843; July 17.
- Carbonara, Victor E., Rockville Center, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Navigational instrument. 1,966,844; July 17.
- Carbonara, Victor E., Rockville Center, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Navigational instrument. 1,966,845; July 17.
- Carbonara, Victor E., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Navigating instrument. 1,970,543; Aug. 21.
- Carbonara, Victor E., Rockville Center, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Altimeter. 1,970,544; Aug. 21.
- Carbondale Machine Company, The. (See Baer, Alvin H., assignor.)
- Carbondale Machine Company. (See Beline, Walter E., assignor.)
- Carbondale Machine Company, The. (See Ewer, Roland G., assignor.)
- Carbondale Machine Co., The. (See Hiller, N. H., and Roe, assignors.)
- Carbondale Machine Company. (See McCabe, Edward B., assignor.)
- Carbondale Machine Co., The. (See Morgan, William M., assignor.)
- Carbonic Development Corporation. (See Hasche, Rudolph L., assignor.)
- Carbon Products Co. (See Wood, Charles B., assignor.)
- Carbo-Oxygen Company. (See Eichelman, Francis J., assignor.)
- Carborundum Company, The. (See Benner, Raymond C., assignor.)
- Carborundum Company, The. (See Benner, R. C., and Ball, assignors.)
- Carborundum Company, The. (See Benner, R. C., and Baumann, jr., assignors.)
- Carborundum Company, The. (See Benner, R. C. and Stowell, assignors.)
- Carborundum Company, The. (See Benner, R. C., Easter, and Stromberg, assignors.)
- Carborundum Company, The. (See Benner, R. C., Porter, and Nelson, assignors.)
- Carborundum Company, The. (See Benner, R. C., and Soley, assignors.)
- Carborundum Company, The. (See Binkley, Uriah M., assignor.)
- Carborundum Company, The. (See Blake, Sidney G., assignor.)
- Carborundum Company, The. (See Christman, W. T., and Dean, assignors.)
- Carborundum Company, The. (See Forse, Edwin B., assignor.)
- Carborundum Company, The. (See Kirchner, Henry P., assignor.)
- Carborundum Company, The. (See MacGregor, William, assignor.)
- Carborundum Company, The. (See Martin, Harry C., assignor.)
- Carborundum Company, The. (See Nelson, C. S., and Porter, assignors.)
- Carborundum Company, The. (See Power, Henry R., assignor.)
- Carborundum Company, The. (See Tone, Frank J., assignor.)
- Carborundum Company, The. (See Wills, Herbert J., assignor.)
- Carborundum Company, The. (See Wooddell, Charles E., assignor.)
- Carburetted Gas, Inc. (See Nagel, Theodore, assignor.)
- Card, Anice, St. Louis, Mo., assignor to Steiner Sales Company, Chicago, Ill. Towel-dispensing apparatus. 1,941,826; Jan. 2.
- Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimmer mechanism for sewing machines. 1,944,543; Jan. 23.
- Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-foot for sewing machines. 1,953,233; May 8.
- Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-guiding and trimming device for sewing machines. 1,963,933; June 19.
- Card, John L., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Hat brim pressing machine. 1,953,041; Mar. 27.
- Card, William C., jr., Waverly, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Upper-roughing machine. 1,943,422; Jan. 16.
- Card, William C., jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Air control for shoe press machines. 1,965,217; July 3.
- Cardel Company, The. (See Dolan, David J., assignor.)
- Cardel Company, The. (See Dolan, D. J., and Higley.)
- Cardew, Cornelius A., Wahroonga, near Sydney, New South Wales, Australia. Apparatus for testing the permanent way of railways, tramways, or the like. 1,980,035; Nov. 6.
- Cardona, Antonio. (See Barreres, Domingo, assignor.)
- Cardone, Eugene, Brooklyn, N. Y. Electric bell. 1,983,068; Dec. 4.
- Cardot, Jean, Bagneux sur Loing, France, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Apparatus for the drawing of tubular bodies of glass and the like. 1,949,037; Feb. 27.
- Cardullo, Forrest E., assignor to The G. A. Gray Company, Cincinnati, Ohio. Rail elevating and clamping device. 1,976,713; Oct. 16.
- Cardullo, Forrest E., assignor to The G. A. Gray Company, Cincinnati, Ohio. Mechanism for controlling the movements of a head or carriage of a machine tool. 1,982,856; Dec. 4.

- Cardwell, Cuthbert H., Slough, and R. I. D. Arthunton, Burnham, England. Engine for operating vehicle or other doors by compressed air. 1,966,608; July 17.
- Cardwell, Harland W., and W. C. Guier, Wichita, Kans. Dolly. 1,970,840; Aug. 21.
- Cardwell Westinghouse Company. (See Hall, Joseph M., assignor.)
- Cardwell Westinghouse Company, et al. (See O'Connor, John F., assignor.)
- Cardwell Westinghouse Company. (See Sproul, Donald F., assignor.)
- Cardwell Westinghouse Company. (See Stevens, Roy R., assignor.)
- Cardwell Westinghouse Company. (See Tucker, Herbert E., assignor.)
- Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Paper dish. 1,946,611; Feb. 13.
- Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Paper cup. 1,972,006; Aug. 28.
- Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Receptacle and forming and stacking the same. 1,972,007; Aug. 28.
- Carey, Bartholomew J., Genesee, Idaho. Agitator for sifters. 1,942,275; Jan. 2.
- Carey, Charles E., Seattle, Wash. Air conditioning device. 1,942,085; Jan. 2.
- Carey, Edward J. and M. Mohawk, N. Y. Combination kitchen table and ironing board. 1,953,952; Apr. 10.
- Carey, Fred H., Camas, Wash. Marking paper in manufacture. 1,971,641; Aug. 28.
- Carey, Gregory, Paris, Ark. Advertising device. 1,954,919; Apr. 17.
- Carey, Manley. (See Carey, Edward J. and M.)
- Carey-McFall Co. (See Stuber, Walter J., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Ash, James W., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Greider, Harold W., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Pater, Carl J., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Pfohl, Anthony J., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Ross, Edgar S., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Schaeffer, Elmer R., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Seymour, Herman L., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Stagg, Jones P., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Stefens, Walter L., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Zeiner, Eugene F., assignor.)
- Carey, Windham F., and E. F. Brawn, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Pulverizing of coal. 1,953,847; Apr. 3.
- Cargill, Arthur W., Waitawa, New Zealand. Lime and manure distributor. 1,947,379; Feb. 13.
- Carius, Karl. (See Schulz, E. H., and Carius.)
- Carl, Alfred. (See Neelmeier, W., Carl, and Hertlein.)
- Carl, Byron E., New York, assignor of one-third to C. G. Campbell, Pelham Manor, N. Y. Apparatus for refining mineral oil by aluminum chloride. 1,963,259; June 19.
- Carl, Byron E., New York, N. Y., and W. S. Austin, Newark, N. J., assignors to Aluminum Chloride Oil Refining Corporation, New York, N. Y. Apparatus for the recovery of aluminum chloride from the residue of aluminum chloride oil refining. 1,955,272; Apr. 17.
- Carl, Elizabeth P., Chicago, Ill. Window. 1,945,135; Jan. 30.
- Carl, Elizabeth P., Chicago, Ill. Window. 1,954,797; Apr. 17.
- Carlan, Daniel L. (See Carlan, Thomas J., assignor.)
- Carlan, Thomas J., South Chicago, Ill., assignor of one-half to D. L. Carlan, East Chicago, Ind. Railroad switch lug. 1,953,530; Apr. 3.
- Carland, Frank B., Nutley, N. J., and W. H. MacGregor, Bayside, N. Y. Cutting table mechanism. 1,946,834; Oct. 16.
- Carland, Robert H., et al. (See Brown, William Y., assignor.)
- Carlbeck, Einar L., Chicago, Ill. Life saving device. 1,955,053; Apr. 17.
- Carle, James F., Birmingham, Ala. Bituminous paving material and producing the same. 1,985,718; Dec. 25.
- Carleton, Oscar M., Watertown, Mass. Leveling device. 1,948,508; Feb. 27.
- Carleton, Ralph D., Snyder, and R. C. Blaylock, Kenmore, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Aerofoil. 1,976,480; Oct. 9.
- Carleton, Robert A., Brooklyn, assignor to National Electric Heating Company, Inc., New York, N. Y. Electric fluid heater. 1,985,280; Dec. 25.
- Carley, Albert, A. Schmidt and K. Wunsch, Bridgeport, Conn. Portable hand toothpowder dispenser. 1,941,786; Jan. 2.
- Carley, Leonard R., assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 91,603; Feb. 27.
- Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 92,337; May 29.
- Car, Lighting Improvement Company. (See Watson, Thomas S., assignor.)
- Carlile, Alfred E., Meadville, Pa. Pull for slide fasteners. Des. 91,453; Feb. 6.
- Carlile, Alfred E., assignor to Hookless Fastener Company, Meadville, Pa. Pull for slide fasteners. Des. 93,204; Sept. 4.
- Carlile, Alfred E., Meadville, Pa., assignor to Hookless Fastener Company, Slider for separable fasteners. 1,962,479; June 12.
- Carlin Comforts, Inc. (See May, Walter H., assignor.)
- Carlin, Joseph C., Nashville, Tenn., and N. W. Krase, Urbana, Ill., assignors to Tennessee Products Corporation, Nashville, Tenn. Forming acetic acid from methanol and carbon monoxide. 1,961,736; June 5.
- Carlin, Joseph C., Nashville, Tenn., and N. W. Krase, Urbana, Ill., assignors to Tennessee Products Corporation, Nashville, Tenn. Forming acetic acid from methanol and carbon monoxide. 1,961,737; June 5.
- Carlin, Joseph C., Nashville, Tenn., and N. W. Krase, Urbana, Ill., assignors to Tennessee Products Corporation, Nashville, Tenn. Manufacture of acetic acid. 1,961,738; June 5.
- Carlisle, George L., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. Repeater circuit breaker. 1,953,392; Apr. 3.
- Carlisle, George L., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High pressure contact switch. 1,971,392; Aug. 28.
- Carlisle, George L., Huntington, assignor to The Champion Switch Company, Kenova, W. Va. Lock switch. 1,979,097; Oct. 30.
- Carlisle Lumber Company. (See Goss, Oliver P. M., assignor.)
- Carlisle Lumber Company. (See Goss, Oliver P. M. and W. C., assignors.)
- Carlisle, Paul J., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Dewaxing of oil. 1,978,010; Oct. 23.
- Carlisle, Paul J., and C. Dangelmajer, Niagara Falls, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Preparation of calcium cyanide. 1,950,879; Mar. 13.
- Carlisle, Richard W. (See Cunningham, D. H., Carlisle, and Perry.)
- Carlisle, Richard W., Audubon, N. J., assignor to Westinghouse Electric & Manufacturing Company. Facsimile printer. 1,958,885; May 15.
- Carlson, Carl, Youngstown, Ohio. Method of and apparatus for welding tubular articles. 1,983,930; Dec. 11.
- Carlson, Agda W. (See Ziegler, J. G., and Carlson.)
- Carlson, Albin A., Ludington, Mich. Air cleaner. 1,962,425; June 12.
- Carlson, Anthony E., Los Angeles, Calif. Rotary rock bit construction. 1,973,975; Sept. 18.
- Carlson, Axel E. (See Potter, T. L., and Carlson.)
- Carlson, Axel H., Attleboro, Mass. Cookie cutter. 1,957,319; May 1.
- Carlson, Bert G., Elmhurst, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air driven gyro vertical. 1,982,636; Dec. 4.
- Carlson, Bert G., Elmhurst, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Directional gyroscope. 1,982,637; Dec. 4.
- Carlson, Bert G., Elmhurst, N. Y., and H. H. Thompson, Mountain Lakes, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air driven Gyroscope. 1,982,635; Dec. 4.
- Carlson, Bert M., Platteville, Wis. Music teaching device. 1,960,330; May 29.
- Carlson, Carl E., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Penholder. 1,960,695; May 29.
- Carlson, Carl E., assignor to S. F. Bowser & Company, Fort Wayne, Ind. Visible flow indicator. 1,984,630; Dec. 18.
- Carlson, Carl E., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Hose nozzle. 1,985,402; Dec. 25.
- Carlson, Carl J. and O. F., Chicago, Ill. Cycle pedal. 1,972,701; Sept. 4.
- Carlson, Carl O. (See Schreiber, W. G., and Carlson.)
- Carlson, Carl T., assignor to Erie City Iron Works, Erie, Pa. Wall structure. 1,972,729; Sept. 4.
- Carlson, Carl V., Chicago, and O. Pedersen, Berkeley, Ill. Crank case drain plug. 1,954,986; Apr. 17.
- Carlson, Charles J., Helena, Mont. Automobile trunk. 1,966,539; July 17.
- Carlson, Ellsworth E., Saratoga Springs, assignor to Van Raalte Company, New York, N. Y. Runproof or run-resistant full-fashioned stocking and making same. 1,978,408; Oct. 30.
- Carlson, Ellsworth E., Saratoga Springs, assignor to Van Raalte Company, New York, N. Y. Mechanism and mechanical method for making runproof or run-resistant full-fashioned hosiery. 1,978,409; Oct. 30.
- Carlson, Ellsworth E., Hornell, assignor to Van Raalte Company, New York, N. Y. Method of and mechanism for knitting runproof or run-resistant full-fashioned hosiery. 1,978,412; Oct. 30.
- Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Clock. Des. 93,453; Oct. 2.

- Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Clock. Des. 93,454; Oct. 2.
- Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Time instrument. 1,957,693; May 8.
- Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Hammer mechanism for audible-signal clocks. 1,966,002; July 10.
- Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Case for timepieces. 1,967,286; July 24.
- Carlson, Eric S. (See Schnell, W., and Carlson.)
- Carlson, Ernest J. (See Stouffer, H. O., and Carlson.)
- Carlson, Fred W., Eckerman, Mich. Wrench. 1,965,487; July 3.
- Carlson, Fred W., Minneapolis, Minn. Apparatus for baking pies. 1,970,735; Aug. 21.
- Carlson, Frederick O., assignor to Mayhew Steel Products, Inc., Shelburne Falls, Mass. Piston pin inserter and remover. 1,969,725; Aug. 14.
- Carlson, George E., O. P. Larson, and S. R. Swenson, assignors to Milton A. Boom, doing business as Mechanical Research Company, Chicago, Ill. Rotary toothbrush. 1,949,241; Feb. 27.
- Carlson, Gusta R., Metuchen, N. J. Adjustable illuminating device for hydrometers. 1,973,140; Sept. 11.
- Carlson, Gustav A., Chicago, Ill. Card-holding device. 1,965,305; July 3.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Knitting point guard. 1,967,005; July 17.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Knitting pin point. 1,983,536; Dec. 11.
- Carlson, Gustav W., Cleveland, Ohio, assignor to Eaton Manufacturing Company. Automotive brake. 1,956,979; May 1.
- Carlson, Herbert N. R., Chicago, Ill., assignor to American Telephone and Telegraph Company. Pad holder. 1,954,067; Apr. 10.
- Carlson, Hjalmar G., Shrewsbury, Mass. Rake. 1,983,596; Dec. 11.
- Carlson, Hjalmar G. A. M. Arnott, and G. I. Rockwood, assignors to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Flood valve. 1,961,581; June 5.
- Carlson, James E., Minneapolis, Minn. Road grader. 1,945,517; Feb. 6.
- Carlson, James E., Minneapolis, Minn. Road working machine. 1,945,518; Feb. 6.
- Carlson, James E., Minneapolis, Minn. Road machine. 1,969,204; Aug. 7.
- Carlson, John E., Forestville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric fuse clamp. 1,946,897; Feb. 13.
- Carlson, John E., Forestville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Fuse clamp. 1,946,898; Feb. 13.
- Carlson, John E., Forestville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,954,440; Apr. 10.
- Carlson, John E., Forestville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Panel board switch. 1,956,434; Apr. 24.
- Carlson, John I. W., Scottsdale, Pa. Combination and key controlled latching mechanism for locks. 1,981,163; Nov. 20.
- Carlson, John S., Brooklyn, N. Y. Combination bath unit. 1,985,147; Dec. 18.
- Carlson, Oscar, East Providence, assignor to Dolan & Billock, Providence, R. I. Cuff link. 1,950,711; Mar. 13.
- Carlson, Oscar F. (See Carlson, Carl J. and O. F.)
- Carlson, Oscar F., assignor to Deere & Company, Moline, Ill. Harvester finger bar. 1,947,123; Feb. 13.
- Carlson, Raymond A., assignor to Rockford Drilling Machine Co., Rockford, Ill. Spindle adjustment. 1,948,507; Feb. 27.
- Carlson, Raymond A., assignor to Rockford Drilling Machine Co., Rockford, Ill. Hydraulically indexed machine tool. 1,968,990; Aug. 7.
- Carlson, Richard E., Downers Grove, Ill., assignor to Western Electric Company, Incorporated. Manufacturing electrostatic condensers. 1,948,331; Feb. 20.
- Carlson, Sven O., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Toaster or like article. Des. 92,062; Apr. 24.
- Carlson, Theodore. (See Atkins, S. E., and Carlson.)
- Carlson, Victor E., et al. (See Harmon, Arthur R., assignor.)
- Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America, New York, N. Y. High frequency transformer. 1,954,470; Apr. 10.
- Carlson, Wendell L., Haddonfield, N. J., assignor to General Electric Company. Indicating control means. 1,964,449; June 26.
- Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Television system. 1,975,056; Sept. 25.
- Carlstedt, Fredrik. (See Engberg, A. O., and Carlstedt.)
- Carlton, Al. A., et al. (See Wilson, Ernest M., assignor.)
- Carlton, Elgan H., et al. (See Wilson, Ernest M., assignor.)
- Carlton, Lee C., Chicago, Ill. Vehicle seat construction. 1,976,326; Oct. 9.
- Carlton Main Colliery Company Limited, The. (See Addy, R. Gill, and Tozer, assignors.)
- Carlucci, Eugene J., et al. (See Morrell, Michael, assignor.)
- Carman, Charles L., Independence, Kans. Tube mill or ball mill. 1,975,501; Oct. 2.
- Carman, Herbert L. (See Most, Lucifer J., assignor.)
- Carmell, Charles F., Jackson, Mich. Hot water boiler. 1,984,248; Dec. 11.
- Carmichael, David M., Maplewood, N. J., assignor to The Atlantic Lithographic & Printing Company, New York, N. Y. Floor display stand. 1,948,902; Feb. 27.
- Carmichael, Howard, Lexington, Ky. Electric furnace. 1,982,418; Nov. 27.
- Carmody, William H. (See Thomas, C. A., and Carmody.)
- Carmon, Fred, et al. (See Bennett, Moses E., assignor.)
- Carnahan, George H., New York, N. Y., assignor to Intercontinental Rubber Company, Wilmington, Del. Disintegrating cellulosic material. 1,959,902; May 22.
- Carnahan, Orson A., Syracuse, N. Y. Back fire trap for internal-combustion engines. 1,946,014; Feb. 6.
- Carnahan, Orson A., Syracuse, N. Y. Combined back-fire trap and air cleaner for internal-combustion engines. 1,946,015; Feb. 6.
- Carnation Company. (See Brooks, William H., assignor.)
- Carnegie, Alfred Q., H. M. Duncan, and C. A. Parsons, deceased, Newcastle-on-Tyne; K. Parsons, Kirkcaldy, V. Thompson, Newcastle-on-Tyne, and F. G. H. Bedford, Wylam-on-Tyne, England, legal representatives; said Carnegie and said Duncan assignors to said K. Parsons, said V. Thompson, and said F. G. H. Bedford. Casting of ingots. 1,976,215; Oct. 9.
- Carnegie, Alfred Q., H. M. Duncan, and C. A. Parsons, deceased, Newcastle-on-Tyne; K. Parsons, Kirkcaldy, V. Thompson, Newcastle-on-Tyne, and F. G. H. Bedford, Wylam-on-Tyne, England, legal representatives; said Carnegie and said Duncan assignors to said Parsons, said Thompson, and said Bedford. Casting of ingots. 1,976,386; Oct. 9.
- Carnes, Herman W. (See Smith, G. H., and Carnes.)
- Carney, Arthur T., Blairsville, assignor of one-third to R. E. Miles, jr., Wilkesburg, Pa. Radio apparatus. 1,971,703; Aug. 28.
- Carney, Charles F., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator system. 1,966,233; July 10.
- Carney, Samuel C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Rectification. 1,957,818; May 8.
- Carney, Troy W. (See Harner, H. R., and Carney.)
- Carns, Edmund B., Lincoln, Nebr., assignor to Cairns Development Company, Wilmington, Del. Wing structure. 1,956,823; May 1.
- Caro, Nikodem. (See Ipatiew, W. N., Caro, and Frank.)
- Carol Supplies, Inc. (See Bailey, Clarence R., assignor.)
- Carola, Charles, deceased, by C. V. Carola, administratrix, New York, N. Y. Receptacle and cover operating mechanism therefor. 1,948,413; Feb. 20.
- Carola, Clara V., administratrix. (See Carola, Charles.)
- Caron, Ludger J., Leominster, Mass. Key cutting punch. 1,959,813; May 22.
- Caron, Ludger J., Leominster, assignor to Independent Lock Company, Fitchburg, Mass. Barrel key cutting machine. 1,978,009; Oct. 23.
- Carothers, John C., Ranger, Tex. Brake beam safety support. 1,969,923; Aug. 14.
- Carothers, Wallace H. and G. B. Carpenter, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,946,258; Feb. 6.
- Carothers, Wallace H., and A. M. Collins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogen derivative of acetylene polymers and making same. 1,950,431; Mar. 13.
- Carothers, Wallace H., and A. M. Collins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of halogenated hydrocarbons and preparing same. 1,950,432; Mar. 13.
- Carothers, Wallace H., and A. M. Collins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bromo butadiene polymers and producing same. 1,950,433; Mar. 13.
- Carothers, Wallace H., A. M. Collins, and J. E. Kirby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerized halogenated hydrocarbon and producing same. 1,950,438; Mar. 13.
- Carothers, Wallace H., and J. E. Kirby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated butadiene polymer and producing same. 1,950,439; Mar. 13.
- Carothers, Wallace H., Fairville, Pa., and D. D. Coffman, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of halogen butadienes and preparing the same. 1,950,441; Mar. 13.
- Carothers, Wallace H., Fairville, Pa., G. J. Berchet, and R. A. Jacobson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl ethinyl carbinol polymers and preparing same. 1,963,074; June 19.
- Carothers, Wallace H., Fairville, Pa., and R. A. Jacobson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl ethinyl derivatives and producing same. 1,963,934; June 19.
- Carothers, Wallace H., Fairville, Pa., and G. J. Berchet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl ethinyl derivatives and preparing same. 1,963,935; June 19.
- Carothers, Wallace H., Fairville, Pa., and G. J. Berchet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical products and processes for producing same. 1,965,369; July 3.

- Carothers, Wallace H., A. M. Collins, and J. E. Kirby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerized halogenated hydrocarbon and producing the same. 1,967,860; July 24.
- Carothers, Wallace H., Fairville, Pa., and A. M. Collins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclic compound and preparing same. 1,967,862; July 24.
- Carozzi, Augusto, Genoa, Italy. Machine for the automatic continuous production of alimentary paste of the macaroni and vermicelli type. 1,959,569; May 22.
- Carpani, Joseph, Camden, N. J. Finger print card holder. 1,957,628; May 8.
- Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Carrier frequency receiving circuits. 1,950,541; Mar. 13.
- Carpenter, Albert S. (See Twiss, D. F., Carpenter, and Neale.)
- Carpenter, Arthur W., assignor to United Research Corporation, New York, N. Y. Light-sensitive cell. 1,942,958; Jan. 9.
- Carpenter, Arthur W., New York, assignor to United Research Corporation, Long Island City, N. Y. Exciter light system. 1,955,943; Apr. 24.
- Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,948,022; Feb. 20.
- Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,956,853; May 1.
- Carpenter, Charles E., Chicago, Ill. Dough feeding appliance and the like. 1,968,808; Aug. 7.
- Carpenter, Charles H., East Detroit, Mich. Battery terminal and cable clamp. 1,984,518; Dec. 18.
- Carpenter, Clifford, Snohomish, Wash., assignor to Kinney Bros. & Sipprell. Radio tube tester. 1,952,533; Mar. 27.
- Carpenter, Donald M., Coronado, Calif. Liquid gauge. 1,956,560; May 1.
- Carpenter, E. W., Manufacturing Company, The. (See Carpenter, Edward W., assignor.)
- Carpenter, E. W., Manufacturing Company, The. (See Conway, John J., assignor.)
- Carpenter, Edward W., Fairfield, assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Visible scoring device for bridge players. 1,955,452; Apr. 17.
- Carpenter, Gilbert B. (See Carothers, W. H., and Carpenter.)
- Carpenter, Gilbert B., Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carboxylic acids. 1,946,255; Feb. 6.
- Carpenter, Gilbert B., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,946,257; Feb. 6.
- Carpenter, Gilbert B., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aliphatic organic acids. 1,946,259; Feb. 6.
- Carpenter, Gilbert B., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,449; Nov. 6.
- Carpenter, Gilbert B., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,450; Nov. 6.
- Carpenter, Gilbert B., Bellemoor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of carboxylic acids. 1,949,825; Mar. 6.
- Carpenter, Gilbert B., Bellemoor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of carboxylic acids. 1,981,801; Nov. 20.
- Carpenter, Gilbert B., Stamford, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of carboxylic acids. 1,957,939; May 8.
- Carpenter-Hiatt Sales Company, The. (See Duke, John D., assignor.)
- Carpenter-Hiatt Sales Company, The. (See Gaul, William, assignor.)
- Carpenter-Hiatt Sales Company. (See Hiatt, Enos B., assignor.)
- Carpenter-Hiatt Sales Company, The. (See Moone, Albert E. F., assignor.)
- Carpenter, Irving C., New Rochelle, assignor to Max B. Miller & Co. Inc., New York, N. Y. Chilling. 1,962,580; June 12.
- Carpenter, Jesse J., Fort Worth, Tex. Apparatus for reconditioning used oils. 1,981,089; Nov. 20.
- Carpenter, John B., jr., West Roxbury, and E. P. Stevenson, Newton, assignors to Arthur D. Little, Incorporated, Cambridge, Mass. Producing chromates. 1,964,719; July 8.
- Carpenter, John F., Collingswood, N. J. Flexible decorating web. 1,985,480; Dec. 25.
- Carpenter, Kenneth E., St. Louis, Mo., assignor to E. L. Bushman, East Orange, N. J. Stemming machine. 1,968,372; July 31.
- Carpenter, Lee B. (See Barnes, Walter I., assignor.)
- Carpenter, Marion S., Nutley, N. J., assignor to Givaudan-Delawanna, Inc., New York, N. Y. Anhydrous chlore-tone and making same. 1,967,287; July 24.
- Carpenter, Miles H., New Rochelle, and C. B. Kirkham, Freeport, N. Y. Independently sprung wheel mounting for motor vehicles. 1,943,721; Jan. 16.
- Carpenter, Miles H., New Rochelle, and C. B. Kirkham, Freeport, N. Y. Motor vehicle assembly. 1,971,209; Aug. 21.
- Carpenter, Oliver K., New Cumberland, W. Va., W. E. Griffith and P. S. Menough, assignors to The Duraloy Company, Pittsburgh, Pa. Furnace conveyor. 1,944,217; Jan. 23.
- Carpenter, Ose F., Brightwood, Va. Door for poultry coops and crates. Re19,277; Aug. 21.
- Carpenter, Roy L., Humble, Tex. Pipe handling apparatus. 1,956,147; Apr. 24.
- Carpenter, Russell, Wayagamack Island, Three Rivers, Quebec, Canada. Pulp and paper making machine. 1,971,296; Aug. 21.
- Carpenter, Russell, Wayagamack Island, Three Rivers, Quebec, Canada. Stock consistency indicating and regulating apparatus for pulp and paper making machines. 1,982,370; Nov. 27.
- Carpenter Steel Company. (See Luerssen, G. V., and Greene, assignors.)
- Carpenter Steel Company, The. (See Palmer, Frank R., assignor.)
- Carpenter, Webster I., Norfolk, Va. Syringe. 1,958,332; May 8.
- Carpenter, Webster I., Norfolk, Va. Centrifugal casting machine. 1,976,654; Oct. 9.
- Carpenter, Webster I., Norfolk, Va. Casting ring. 1,976,655; Oct. 9.
- Carpenter, William W. S., Oak Park, assignor to Sanford Manufacturing Co., Chicago, Ill. Liquid applicator. 1,954,068; Apr. 10.
- Carpentieri, Vincenzo, Mercato St. Severino, Italy. Tomato peeling machine. 1,976,710; Oct. 16.
- Carpita, John, Clinton, Ind. Water temperature controlling fountain. 1,952,364; Mar. 27.
- Carr, Bradley S., assignor to American Manganese Steel Company, Chicago, Ill. Rotary pump impeller. 1,946,273; Feb. 6.
- Carr, Bradley S., Chicago, assignor to American Manganese Steel Company, Chicago Heights, Ill. Ladder chain. 1,967,496; July 24.
- Carr, David M., Brooklyn, N. Y. System of metering. 1,948,368; Feb. 20.
- Carr, George R. (See Everett, Claud H., assignor.)
- Carr, John E. (See Ryan, J. F., Carr, and Anderson.)
- Carr-Lowrey Glass Co. (See Beck, Norman R., assignor.)
- Carr-Lowrey Glass Co. (See Bicks, Jean W., assignor.)
- Carr-Lowrey Glass Co. (See Hilgenberg, C. G., and Garwood, assignors.)
- Carr-Lowrey Glass Co. (See Leach, Walter R., assignor.)
- Carr Manufacturing Corporation. (See Rhee, Daniel, assignor.)
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Multiple operated closure fastener. 1,960,202; May 22.
- Carr, Moses F., Lincoln, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket. 1,981,345; Nov. 20.
- Carr, Nels. (See Healy, S. A., McShane, and Carr.)
- Carr, Raymond L., Boston, Mass. Body construction. 1,953,953; Apr. 10.
- Carr, William C., Richmond, Va. Electrical heating system. 1,965,218; July 3.
- Carr, William C., assignor to The William C. Carr Corporation, Richmond, Va. Heat radiating unit. 1,983,437; Dec. 4.
- Carr, William C., Corporation, The. (See Carr, William C., assignor.)
- Carr, William P., and R. W. Tracy, assignors to The De Vilbiss Company, Toledo, Ohio. Material discharge gun. 1,969,205; Aug. 7.
- Carr, William W. (See Gray, C. M., Thomas, and Carr.)
- Carraway, Thomas W., Chicago, Ill., assignor to General Fire Extinguisher Company, Providence, R. I. Automatically-controlled refrigerative system. 1,984,053; Dec. 11.
- Carraway, Thomas W., Chicago, Ill., assignor to General Fire Extinguisher Company, Providence, R. I. Regulator for refrigerative systems. 1,984,054; Dec. 11.
- Carraway, Thomas W., Providence, R. I., and B. G. Littlepage, Shreveport, La., assignors to General Fire Extinguisher Company, Providence, R. I. Heat exchanger. 1,945,394; Jan. 30.
- Carrick, Gerald S. (See McBride, James P., assignor.)
- Carrier Engineering Corporation. (See Arf, H. R., and Carrier, assignors.)
- Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)
- Carrier Engineering Corporation. (See Day, Vincent S., assignor.)
- Carrier Engineering Corporation. (See Stacey, A. E., jr., and Arf, assignors.)
- Carrier Research Corporation. (See Ashley, C. M., and Day, assignors.)
- Carrier Research Corporation. (See Marshall, Henry H., assignor.)
- Carrier, Willis H. (See Arf, H. R., and Carrier.)
- Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Method and system for ventilating and attempting enclosures. Re19,263; Aug. 7.
- Carrier, Willis H., Essex Fells, N. J., assignor to Auditorium Conditioning Corporation. Apparatus for controlling humidity. 1,955,406; Apr. 17.
- Carrier, Willis H., Essex Fells, N. J., assignor to Auditorium Conditioning Corporation. Conditioning air. 1,956,707; May 1.

- Carrier, Willis H., Essex Falls, assignor to Carrier Engineering Corporation, Newark, N. J. Method and system for ventilating and conditioning auditoriums and the like. 1,981,164; Nov. 20.
- Carrington, Frank G., Anniston, Ala., assignor to Centrifugal Pipe Corporation, Jersey City, N. J. Centrifugal casting. 1,959,334; May 22.
- Carrington, Walter H., Pittsburgh, Pa. Spark arrester cap for incinerators. 1,962,633; June 12.
- Carroll Arch P. (See Willmore, K. N., Carroll, and Stucker.)
- Carroll, Charles J. (See Faber, L. D., and Carroll.)
- Carroll, Elbert H., West Boylston, Mass. Container for wrenches and the like. 1,970,359; Aug. 14.
- Carroll, Eugene G., Los Angeles, Calif., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Brake apparatus. 1,943,886; Jan. 16.
- Carroll, Eugene G., Los Angeles, Calif., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Dual brake apparatus for automobiles. 1,978,669; Oct. 30.
- Carroll, Frank C., Painesville, Ohio. Clock setting mechanism. 1,964,379; June 26.
- Carroll, Frank V. (See Sykes, W., and Carroll.)
- Carroll, Fred M., Yonkers, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Stop device for tabulating machines. 1,950,479; Mar. 13.
- Carroll, Fred M., Yonkers, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine. 1,950,480; Mar. 13.
- Carroll, Fred M., Yonkers, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing mechanism for accounting machines. 1,964,810; July 3.
- Carroll, Fred M., Yonkers, assignor, by mesne assignments to International Business Machines Corporation, New York, N. Y. Card punching machine. 1,976,600; Oct. 9.
- Carroll, Fred M., Yonkers, N. Y., and J. H. Bakelaar, Paterson, N. J., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,972,977; Sept. 11.
- Carroll, Fred M., Yonkers, and A. F. Smith, Brooklyn, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. One revolution clutch. 1,972,978; Sept. 11.
- Carroll, Fred M., Yonkers, N. Y., and J. H. Bakelaar, Paterson, N. J., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,978,893; Oct. 30.
- Carroll, Fred M., Yonkers, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing mechanism. 1,981,990; Nov. 27.
- Carroll, Howard K., Chicago, Ill., assignor, by mesne assignments, to Teletype Corporation. Intercommunicating system. 1,962,298; June 12.
- Carroll, Hubert O., Painesville, Ohio. Article of furniture. 1,951,594; Mar. 20.
- Carroll, James J., Detroit, Mich. Piston ring. 1,982,286; Nov. 27.
- Carroll, Joseph W., assignor to P. Carroll & Sons, Philadelphia, Pa. Hot water generator. 1,967,706; July 24.
- Carroll, Monroe W., Beaumont, Tex. Pump intake mechanism. 1,971,330; Aug. 28.
- Carroll, P., & Sons. (See Carroll, Joseph W., assignor.)
- Carroll, Stewart J. (See Farrow, E. S., and Carroll.)
- Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition of matter containing a benzyl ether of diethylene glycol. 1,957,878; May 8.
- Carroll, Thomas. (See Frank, W. H., and Carroll.)
- Carroll, Thomas E., Waterford, Conn. Electrical filling fork. 1,960,988; May 29.
- Carroll, Thomas P. (See Augustin, C., and Carroll.)
- Carroll, Willard R., New Haven, assignor to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Drive mechanism for rolling mills and the like. 1,962,581; June 12.
- Carroll, Willard R., New Haven, assignor to Farrell-Birmingham Company, Inc., Ansonia, Conn. Method of and apparatus for rolling rods. 1,968,670; July 31.
- Carroll, William M., Dayton, assignor to A. Davis, Jr., Cincinnati, Ohio. Registering mechanism. 1,955,904; Apr. 24.
- Carrom Company, The. (See Reiger, John W., assignor.)
- Carrom Company. (See Reiger, John W., assignor.)
- Carrothers, Charles G. (See Kann, R. O., and Carrothers.)
- Carrothers, Eben H., Ithaca, N. Y. Pump. 1,979,863; Nov. 6.
- Carruthers, George, assignor to Interlake Tissue Mills Co. Limited, Toronto, Ontario, Canada. Folded toilet sheet. 1,961,195; June 5.
- Carruthers, Thomas F., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Preparation of dialkyl sulphates. 1,949,366; Feb. 27.
- Carson, Arthur, Richmond, Va., assignor to American Telephone and Telegraph Company. Coin chute. 1,984,460; Dec. 18.
- Carson, Benjamin R., Camden, N. J., assignor to Radio Corporation of America. Automatic brake for phonographs. 1,956,548; May 1.
- Carson, Francis L., assignor to The Pacific Lumber Company, San Francisco, Calif. Wood block pavement. 1,953,337; Apr. 3.
- Carson, Francis L., assignor to The Pacific Lumber Company, San Francisco, Calif. Sound deadening board process. 1,956,091; Apr. 24.
- Carson, Francis L., assignor to The Pacific Lumber Company, San Francisco, Calif. Road construction. 1,960,865; May 29.
- Carson, Francis L., assignor to The Pacific Lumber Company, San Francisco, Calif. Paper and board manufacture. 1,979,864; Nov. 6.
- Carson, Hiram J., Cedar Rapids, Iowa. Making blue and carbureted water gas. 1,952,654; Mar. 27.
- Carson, Hiram J., Cedar Rapids, Iowa. Carbureted water gas process. 1,953,848; Apr. 3.
- Carson, John H., Marion, Ind. Formed container. 1,959,613; May 22.
- Carson, Lee L., assignor of one-half to G. T. Dunn, and one-half to L. M. Carson, San Diego, Calif. Pump valve. Re19,088; Feb. 20.
- Carson, Lillie M., et al. (See Carson, Lee L., assignor.)
- Carson, Oswald B., Scarsdale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries and similar articles. Des. 91,756; Mar. 20.
- Carson, Robert H., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Controller. 1,956,004; Apr. 24.
- Carson, W. W., jr. (See Resek, J. V., and Carson, jr.)
- Carson, William W., jr. (See Davies, L. L., Resek, and Carson, jr.)
- Carson, William W., jr., assignor to The Fulton Syphon Company, Knoxville, Tenn. Feeding device for strip materials. 1,951,545; Mar. 20.
- Carson, William W., jr., assignor to The Fulton Syphon Company, Knoxville, Tenn. Valve mechanism. 1,958,814; May 15.
- Carson, William W., jr., assignor to The Fulton Syphon Company, Knoxville, Tenn. Regulator for hot water heating systems. 1,961,550; June 5.
- Carson, William W., jr., assignor to The Fulton Syphon Company, Knoxville, Tenn. Plural unit heat exchanger. 1,979,732; Nov. 6.
- Carstein, Lorenz W. F., Forest Hills, N. Y. Decorative material and making same. 1,952,310; Mar. 27.
- Carswell, Firman L., and O. W. Schmidt, Kansas City, Mo. Culvert. 1,955,407; Apr. 17.
- Carswell, Firman L., and O. W. Schmidt, Kansas City, Mo. Culvert. 1,964,313; June 26.
- Carswell, Thomas S., Kirkwood, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of aromatic sulphonates. 1,970,556; Aug. 21.
- Carswell, Thomas S., Kirkwood, E. T. Stehly, and N. J. G. Alozerij, St. Louis, Mo., assignors, by mesne assignments, to The Monsanto Chemical Company. Continuous process for producing esters. 1,945,177; Jan. 30.
- Carter, Ainslie T., Coldwater, and Edmund W. Moore, assignors to General Railway Signal Company, Rochester, N. Y. Light signal lens. 1,942,136; Jan. 2.
- Carter, Ainslie T., Coldwater, assignor to General Railway Signal Company, Rochester, N. Y. Lightning arrester. 1,984,333; Dec. 11.
- Carter, Albert S. (See Calcott, W. S., Carter, and Downing.)
- Carter, Albert S. (See Downing, F. B., Carter, and Hutton.)
- Carter, Amos E., Omaha, Nebr. Coaster wagon. 1,946,422; Feb. 6.
- Carter, Amos E., Omaha, Nebr. Coaster wagon. 1,959,229; May 15.
- Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Heat exchange apparatus. 1,948,855; Jan. 16.
- Carter Brothers, Incorporated. (See Russell, Julian G., assignor.)
- Carter Carburetor Corporation. (See Blattner, August H., assignor.)
- Carter Carburetor Corporation. (See Boyce, Leonard D., assignor.)
- Carter Carburetor Corporation. (See Ericson, George R., assignor.)
- Carter Carburetor Corporation. (See Ewart, William M., assignor.)
- Carter Carburetor Corporation. (See Magruder, Willett C., jr., assignor.)
- Carter Carburetor Corporation. (See Markham, Charles E., assignor.)
- Carter Carburetor Corporation. (See Mollberg, Byron, assignor.)
- Carter Carburetor Corporation. (See Schweiss, Joseph, assignor.)
- Carter Coal Company. (See Jones, Ralph H., assignor.)
- Carter, Donald M. (See Ross, Warren A., assignor.)
- Carter, Edgar B., and E. E. Moore, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Medicinal oil solution. Re19,231; July 10.
- Carter, Edgar B., and E. E. Moore, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Medicinal oil solutions. 1,947,519; Feb. 20.
- Carter, Edward B., Lexington, Mass. Heel trimming machine. 1,984,917; Dec. 18.
- Carter, Edward B., Lexington, and W. C. Wall, Cambridge, Mass. Cable winding device. 1,969,924; Aug. 14.
- Carter, Evershed. (See Carter, Frank and E.)
- Carter, Frank and E., Stamford, Lincolnshire, England. Fuel injection pump for internal combustion engines. 1,962,551; June 12.
- Carter, George I. (See Korth, J. C., and Carter.)

- Carter, Harry, Cincinnati, Ohio. Deodorizer. 1,984,055; Dec. 11.
- Carter, Haskell C., Portland, Oreg. Dishwashing machine. 1,983,931; Dec. 11.
- Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Feed worm adjustment. 1,958,532; May 15.
- Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Drive assembly for stokers. 1,962,707; June 12.
- Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Hopper unit for under-feed stokers. 1,974,133; Sept. 18.
- Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Low coal limit switch. 1,977,228; Oct. 16.
- Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Mechanical unloader for stokers. 1,978,011; Oct. 23.
- Carter, Herschel B., Auburn, Ky. Bush and weed destroying cultivator. 1,948,569; Feb. 27.
- Carter, John, Farnborough, England. Hydraulic variable speed transmission gear. 1,956,893; May 1.
- Carter, John F., assignor to The Aro Equipment Corporation, Bryan, Ohio. Oil dispenser. Des. 92,945; Aug. 7.
- Carter, John F., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubricant nozzle and control. 1,953,393; Apr. 3.
- Carter, Joseph H., et al. (See Butler, Richard C.)
- Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Ruling device. 1,955,944; Apr. 24.
- Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Gyroscopic base line. 1,981,687; Nov. 20.
- Carter, Nathan A., Memphis, Tenn. Vehicle wheel mounting. 1,956,549; May 1.
- Carter, Otto B., New York, N. Y. Hat. 1,977,983; Oct. 23.
- Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 1,967,395; July 24.
- Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 1,974,387; Sept. 18.
- Carter, Pratt A. (See Wall, J. L., and Carter.)
- Carter, Ralph H., Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Cabinet drying rack. 1,953,700; Apr. 3.
- Carter, Ralph H., Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Drying of yarn bodies. 1,955,323; Apr. 17.
- Carter, Ralph H., Johnson City, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Swivel trolley conveyor. 1,968,373; July 31.
- Carter, Ray M., and W. L. Johnson, Baltimore, Md., assignors to U. S. Industrial Alcohol Co., New York, N. Y. Making sodium ethyl oxalacetate and the product thereof. 1,948,201; Feb. 20.
- Carter, Raymond S., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Conveyor belt. 1,948,332; Feb. 20.
- Carter, Raymond S., and H. G. Dick, Akron, Ohio, assignors, by mesne assignments, to Wingfoot Corporation, Wilmington, Del. Belt. 1,981,644; Nov. 20.
- Carter, Rolla N., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 1,946,612; Feb. 13.
- Carter, Rowland S. (See Hawk, W. D., and Carter.)
- Carter, Russell, Washington, D. C. Recovering blended fuels. 1,978,984; Oct. 30.
- Carter, Samuel C., and F. H. Metke, Glendale, Calif. Rotary steam or fluid motor. 1,983,216; Dec. 4.
- Carter, Walter, et al. (See Oldham, Bert E., assignor.)
- Carter, William C., Flint, Mich. Heating apparatus for internal combustion engines. 1,945,178; Jan. 30.
- Carter, William C., Flint, Mich. Carburetor. 1,945,179; Jan. 30.
- Carter, William C., Flint, Mich. Carburetor. 1,945,180; Jan. 30.
- Carter, William C., Flint, Mich. Diaphragm pump. 1,945,181; Jan. 30.
- Carter, William C., Flint, Mich. Diaphragm pump. 1,958,509; May 15.
- Carter, William C., Flint, Mich. Pump for liquid fuel supply systems. 1,985,281; Dec. 25.
- Carter, William C., Flint, Mich. Diaphragm pump. 1,985,282; Dec. 25.
- Carter, William D., Caldwell, N. J. Liquid and gas spray pump. 1,943,234; Jan. 9.
- Carter, William W., Jr., assignor to The Formica Insulation Company, Cincinnati, Ohio. Decorated laminated material and producing same. 1,956,314; Apr. 24.
- Carter, William W., assignor to The Formica Insulation Company, Cincinnati, Ohio. Silent gear and manufacture. 1,984,113; Dec. 11.
- Carthage Mills Incorporated. (See Cavey, Arthur T., assignor.)
- Carthew, John W., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Making flexible shaft couplings. 1,947,695; Feb. 20.
- Cartmell, John, Spokane, Wash. Air cleaner. 1,985,548; Dec. 25.
- Cartmill, Lloyd E., et al. (See Reynolds, Damian L., assignor.)
- Carton Development Corporation. (See Tanner, Arnold J., assignor.)
- Cartoux, Henri G., Tarascon-sur-Ariege, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Crystallizer. 1,951,923; Mar. 20.
- Cartter, William G., Monrovia, Calif., assignor to Day & Night Water Heater Co., Ltd. Internal flue for hot water heaters. 1,948,064; Feb. 20.
- Cartwright, Dale P., Rochester, N. Y. Thermally controlled mechanism. 1,974,844; Sept. 25.
- Cartwright, Forrest P., Grand Junction, Iowa. Combined windshield wiper and heater. 1,980,254; Nov. 13.
- Cartzdafner, Roy E., Passaic, N. J., assignor to Magor Car Corporation, New York, N. Y. Dump car. 1,960,574; May 29.
- Cartzdafner, Roy E., assignor to Magor Car Corporation, Passaic, N. J. Dump body door control. 1,965,097; July 3.
- Caruso, Elio R. (See Lamonica, S. and Caruso.)
- Carver, Donald C., Charleston, W. Va. Automatic safety valve. 1,983,791; Dec. 11.
- Caruthers, Eugene W., Secane, Pa. Rail joint. 1,962,708; June 12.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Bottle and jar closure. 1,950,293; Mar. 6.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Metal closure. 1,950,294; Mar. 6.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Metal closure. 1,950,295; Mar. 6.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Jar closure. 1,967,349; July 24.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Closure. 1,971,307; Aug. 21.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Making caps for jars or other containers. 1,974,981; Sept. 25.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Tamperproof seal for bottles. 1,977,962; Oct. 23.
- Carvelli, Gustaf, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Venting system. 1,979,025; Oct. 30.
- Carver, Albert W., and F. M. Hazleton, Muscatine, Iowa. Appointment reminder clock. 1,942,409; Jan. 9.
- Carver, Claude D., Port Washington, N. Y. Window shade. 1,956,116; Apr. 24.
- Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
- Carver, Fred S., East Orange, N. J. Laboratory press. 1,985,598; Dec. 25.
- Carver, Thomas A., Cheadle Hulme, England. Mechanism for electrically controlling mechanical motion. 1,943,161; Jan. 9.
- Carver, William O., Houston, Tex. Fluid pressure motor. 1,955,486; Apr. 17.
- Cary, Joseph B. (See Chater, J. A., Cary and Hollinger.)
- Cary, Malcolm C., and W. M. Hill, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Insulation testing apparatus. 1,952,582; Mar. 27.
- "Cary" Patentverwertungs-Aktiengesellschaft. (See Grosz, Karl, assignor.)
- Casablanca, Fernando, Sabadell, Spain. Pressure apparatus for the drawing mechanism of textile machinery. 1,944,965; Jan. 30.
- Casablanca, Fernando, Sabadell, Spain. Pressure apparatus for the drawing mechanism of textile machinery. 1,944,966; Jan. 30.
- Casablanca, Fernando, Sabadell, Spain. Pressure apparatus for the drawing mechanism of textile machinery. 1,964,661; June 26.
- Casau, Francisco, Stamford, Conn., assignor to Merchandise Distributors, Inc. Vending machine. 1,977,543; Oct. 16.
- Casby, John J., Erie, Pa., assignor to General Electric Company. Electric switch. 1,950,162; Mar. 6.
- Cascade Lumber Company, The. (See Ambrose, Alfred J., assignor.)
- Case, Arthur F., assignor to The Wellman Engineering Company, Cleveland, Ohio. Car dumper. 1,949,602; Mar. 6.
- Case, Arthur F., Cleveland, Ohio, assignor, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn. Furnace oscillating apparatus. 1,972,863; Sept. 11.
- Case, Charles B., Jr., Trenton, N. J. Insulating device for electrical connections. 1,957,389; May 1.
- Case, Edward L., assignor to The Stanley Works, New Britain, Conn. Hinge. 1,962,709; June 12.
- Case, Francis M. (See Gird, C., and Case.)
- Case, Francis M., Cleveland Heights, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,948,333; Feb. 20.
- Case, J. I., Company. (See Boda, Joseph E., assignor.)
- Case, J. I., Company. (See Caughey, Robert C., assignor.)
- Case, J. I., Company. (See Huddle, Edwin F., assignor.)
- Case, J. I., Company. (See Kranick, Frank N. G., assignor.)
- Case, J. I., Company. (See Krause, Norman R., assignor.)
- Case, J. I., Company. (See MacGregor, Wallace F., assignor.)

- Case, J. I., Company. (See MacGregor, W. F., and Geer, assignors.)
- Case, J. I., Company. (See Rutter, Alvah E., assignor.)
- Case, J. I., Company. (See Traphagen, Harry R., assignor.)
- Case, J. I., Company. (See Walsh, J. A., and Krause, assignors.)
- Case, James W., Schenectady, N. Y., assignor to General Electric Company. Making a seal for electric discharge devices. 1,974,298; Sept. 18.
- Case, Lawrence W., Manchester, Conn. Reproducing the grain of wood on paper. 1,979,065; Oct. 30.
- Case, Lynn B. (See Rappolt, H. G., and Case.)
- Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Printing machine for linoleum, textiles, and the like. 1,945,593; Feb. 6.
- Case Research Laboratory, Inc. (See Case, Theodore W., assignor.)
- Case, Samuel L. (See Graham, H. W., and Case.)
- Case, Theodore W., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Sound recording glow lamp. 1,970,223; Aug. 14.
- Case, Theodore W., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Source of light. 1,975,768; Oct. 9.
- Case, William, assignor to Bemis Bro. Bag Co., St. Louis, Mo. Laminated material. 1,962,682; June 12.
- Case, William, assignor to Bemis Bro. Bag Co., St. Louis, Mo. Closure for bags and the like. 1,972,130; Sept. 4.
- Casein Manufacturing Company of America, Inc., The. (See Dunham, Henry V., assignor.)
- Casella, Secondo L., New York, N. Y., assignor to National Carbon Co., Inc. Method of and apparatus for wrapping dry cell bobbins. 1,984,568; Dec. 18.
- Caserta, Michele, Detroit, Mich. Starting internal combustion engines. 1,971,767; Aug. 28.
- Casey, Charles C., Detroit, Mich. Sorting device. 1,952,117; Mar. 27.
- Casey, Charles C., Detroit, Mich. Sorting device. 1,952,118; Mar. 27.
- Casey, Howard T., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,985,442; Dec. 25.
- Casey, Ledgeworth G., assignor to The Cincinnati Electrical Tool Company, Cincinnati, Ohio. Cutting-off machine. 1,979,140; Oct. 30.
- Cash, A. W., Company. (See Andrews, L. V., and Terry assignors.)
- Cash, A. W., Company. (See Temple, Paul C., assignor.)
- Cash, A. W., Company. (See Terry, Charles M., assignor.)
- Cash, Arthur L., (See Heinze, John O., assignor.)
- Cash, Arthur L., Marine City, assignor of one-half to P. A. Markey, Detroit, Mich. Fluid operated control system for vehicles. 1,962,857; June 12.
- Cashion, Ody C., assignor of sixty-two and one-half per cent to J. C. Davis, Carrollton, Tex. Automatic control for water and like systems. 1,977,111; Oct. 16.
- Casini, Natale. (See Marziani, J., and Casini.)
- Caskey, Floyd G., Washington, D. C. Radio program controller. 1,961,871; June 5.
- Casler, Herman. (See Williams, T., and Casler.)
- Casler, Herman, Canastota, N. Y., assignor, by mesne assignments, to The Lindstrom Tool & Toy Company, Inc., Bridgeport, Conn. Missile projector for game boards. 1,948,784; Feb. 27.
- Casler, Herman, Canastota, and T. Williams, Syracuse, N. Y. Exercising machine. 1,980,036; Nov. 6.
- Cason, Everett S. (See Thornburgh, J. C., and Cason.)
- Casparie, Paul, Basel and K. Siegfried, Zofingen, Switzerland. Producing preparations of opium. 1,947,330; Feb. 13.
- Casper, Anthony B., assignor to Houde Engineering Corporation, Buffalo, N. Y. Apparatus for testing and adjusting shock absorbers. 1,956,270; Apr. 24.
- Casper, Caroline, Boston, Mass. Back hair confiner. 1,953,531; Apr. 3.
- Casper, Louis, et al. (See Manvell, Edwin H., assignor.)
- Casper, Louis, Richmond Hill, N. Y. Remote control advertising and electric signaling system. 1,953,072; Apr. 3.
- Casperson, Walter F., Neenah, assignor to Menasha Wooden Ware Corporation, Menasha, Wis. Tape pulling machine. 1,950,098; Mar. 6.
- Cass, Frank H., and J. C. Weaver, Connell, Wash. Dyeing and coloring sand and the like. 1,954,441; Apr. 10.
- Cass, Rhea D., Lakewood, Ohio. X-ray table. 1,980,848; Nov. 13.
- Cassa Autonoma a Monopolurilor Regatului Romaniei. (See Rapeanu, Stelian Z., assignor.)
- Cassady, James L., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Billiard cue. 1,951,546; Mar. 20.
- Cassady, James L., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Machine for making tapered tubes. 1,957,387; May 1.
- Cassady, James L., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Tube reforming machine. 1,957,388; May 1.
- Cassady, James L., Paris, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Making golf clubs. 1,962,804; June 12.
- Cassigne, Georges R., Cazuax, France. Driving device for propelling vehicles. 1,966,846; July 17.
- Casse, Joseph E. (See Dautrick, O. L., Hufferd, Casse, and Stephens.)
- Cassedy, Anthony B., Boston, Mass. Bottle. Des. 92,521; June 19.
- Cassedy, William F., jr., Millburn, assignor to Foote, Pierson & Company, Inc., Newark, N. J. Flower holder. 1,963,824; June 19.
- Cassedy, William F., jr., Millburn, assignor to International Communications Laboratories, Inc., Newark, N. J. Multiple plug and receptacle. 1,978,076; Oct. 23.
- Cassel, James A., Seattle, Wash. Mail box and indicator. 1,976,117; Oct. 9.
- Cassell, Harry M., et al. (See Bocchicchio, Vincent, assignor.)
- Casselman, Elbridge J., Pittsburgh, Pa., assignor to Magazine Repeating Razor Company, New York, N. Y. Machine for testing the sharpness of blades. 1,983,597; Dec. 11.
- Cassen, Franklin. (See Mulloy, H. D., and Cassen.)
- Cassese, Michael J., Alhambra, Calif. Hat rack. 1,960,370; May 29.
- Cassidy, Leonard P., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Enclosed switch. 1,959,903; May 22.
- Cassity, Charles B., assignor of one-half to R. Mellon, Kansas City, Mo. Washing machine. 1,979,673; Nov. 6.
- Cassie, Alexander M. (See Whitney, W. B., Wedmore, and Cassie.)
- Castain, Douel, New Orleans, La. Paper cutter. 1,946,731; Feb. 13.
- Castañeda, José, Jalisco, Mexico. Lifting jack. 1,961,659; June 5.
- Castelg, Albert B., Los Angeles, Calif. Advertising device. 1,974,737; Sept. 25.
- Castelain, Louis, Tourcoing, France. Apparatus for the sterilization of milk by the action of ultraviolet light. 1,956,667; May 1.
- Castelló, Gerónimo, Barcelona, Spain. Projection of cinematograph pictures which give the sensation of a trip in an aeroplane or airship. 1,950,481; Mar. 13.
- Castendijk, Robertus J., Eindhoven, Netherlands, assignor, by mesne assignments, to the firm Carl Zeiss, Jena, Germany. Device for giving luminous signals, particularly adapted for aviation purposes. 1,969,206; Aug. 7.
- Caster, John E., Covington, Ky., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,981,220; Nov. 20.
- Caster, John E., F. J. Theler, and G. N. Barrere, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,952,157; Mar. 27.
- Castline, Jacob. (See Saunders, T., and Castline.)
- Castner, James B., Woodbury, and R. W. Powers, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of raw materials for the manufacture of iron red dry colors. 1,943,948; Jan. 16.
- Castner Kellner Alkali Company Limited. (See Savage, Joseph, assignor.)
- Castner, Theodore G., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave analysis. 1,976,481; Oct. 9.
- Castner, Willis H., Cornwall, Pa., assignor to Bethlehem Steel Company. Preparing metal articles. 1,960,895; May 29.
- Casto, Lloyd V., assignor to The Oxford Varnish Corporation, Detroit, Mich. Imitating surfaces. 1,947,459; Feb. 20.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Decorating tile and similar articles. 1,965,573; July 10.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Apparatus for decorating tile and similar articles. 1,965,574; July 10.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Graining tool. 1,968,027; July 31.
- Casto, Lloyd V., Detroit, Mich., and G. von Weber, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich. Surface decorating method and apparatus. 1,946,483; Feb. 13.
- Caston, Johnnye L., assignor to The Sterling Company, Chicago, Ill. Dress. Des. 91,382; Jan. 16.
- Castonguay, Leger S. (See Evans, V. J., and Castonguay.)
- Castonguay, Leger S., Cuyahoga Falls, assignor to The Patrol Valve Company, Cleveland, Ohio. Gas burner control and ignition system. 1,971,704; Aug. 28.
- Castro, Manuel, Canton, Ohio. Cargo handling apparatus for aircraft and the like. 1,944,000; Jan. 16.
- Castroviejo, Ramon, assignor to V. Mueller & Co., Chicago, Ill. Surgical knife. 1,951,393; Mar. 20.
- Caswell, Arthur S., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker unit. 1,954,583; Apr. 10.
- Caswell, Benjamin, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming hub shells for wire wheels. 1,955,054; Apr. 17.
- Caswell, Myron J., Sandusky, Ohio. Hose protector. 1,969,351; Aug. 7.
- Caswell, William S., Lynn, Mass. Oil burner. 1,975,922; Oct. 9.
- Catalyst Research Corporation. (See Bennett, Owen G., assignor.)
- Catching, Roy W., Roseburg, Oreg. Valve seat grinder. 1,972,761; Sept. 4.
- Cate, Malcolm S., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Safety device for machines. 1,958,128; May 8.
- Cate, Paul E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Method and apparatus for corrugating tubes. 1,968,124; July 31.

- Caterpillar Tractor Co. (See Best, Clarence L., assignor.)
 Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)
 Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)
 Caterpillar Tractor Co. (See McDow, Lester, assignor.)
 Caterpillar Tractor Co. (See Munro, James R., assignor.)
 Caterpillar Tractor Co. (See Patterson, Elmer, assignor.)
 Caterpillar Tractor Co. (See Radford, William H., assignor.)
 Caterpillar Tractor Co. (See Rimple, Edward J., assignor.)
 Caterpillar Tractor Co. (See Rosén, Carl G. A., assignor.)
 Caterpillar Tractor Co. (See Smith, Horatio W., assignor.)
 Caterpillar Tractor Co. (See Starr, Oscar L., assignor.)
 Caterpillar Tractor Co. (See Taylor, John R., assignor.)
 Caterpillar Tractor Co. (See Thoen, Lowell H., assignor.)
 Caterpillar Tractor Co. (See Walker, Gerald M., assignor.)
 Caterpillar Tractor Co. (See Wickersham, Elmer E., assignor.)
 Cates, Vincent K., R. H. Congreve, and A. V. Pedersen, Los Angeles, and E. D. Seaver, Alhambra, assignors to Summerbell Truss Co., Los Angeles, Calif. Roof construction. 1,985,599; Dec. 25.
 Cathcart, William, Elizabeth, N. J. Friction joint. 1,967,288; July 24.
 Cather, Charles E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 1,977,042; Oct. 16.
 Catland, Alfred C. (See Howard, J. H., and Catland.)
 Catlett, James T., Scotia, N. Y., assignor to General Electric Company. Arc welding. 1,942,047; Jan. 2.
 Catlett, James T., Scotia, N. Y., assignor to General Electric Company. Welding torch. 1,946,306; Feb. 6.
 Catlett, James T., Scotia, N. Y., assignor to General Electric Company. Arc welding system. 1,982,371; Nov. 27.
 Catlett, James T., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,946,305; Feb. 6.
 Catlin, Aurel A., and H. W. Asire, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine manifold. 1,984,010; Dec. 11.
 Catlow, Benjamin. (See Bentley, W. H., and Catlow.)
 Catogge, Joseph J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 1,944,218; Jan. 23.
 Caton, Maurice L., Chicago, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Machine for and method of treating shingles. 1,953,288; Apr. 3.
 Caton, William D., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Compound record assembly. 1,980,318; Nov. 13.
 Caton, William D., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding record. 1,980,319; Nov. 13.
 Catron, Harold, assignor to R-B-M Manufacturing Co., Logansport, Ind. Switch. 1,960,771; May 29.
 Catron, Joseph, jr., Bigelow, Mo. Internal combustion engine. 1,974,100; Sept. 18.
 Catsanos, George. (See Brohasek, A., Thomson, and Catsanos.)
 Cat's Paw Rubber Company. (See Esterson, Albert A., assignor.)
 Catt, Harold W. (See Freeman, L. M., and Catt.)
 Cattannach, John. (See Odenbach, J. H., and Cattannach.)
 Cauer, Wilhelm, Göttingen, Germany. Artificial network. 1,958,742; May 15.
 Caughey, Reed J., Schenectady, N. Y., assignor to General Electric Company. Regulating mechanism. 1,961,813; June 5.
 Caughey, Robert C., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 1,974,410; Sept. 25.
 Cauley C. L., et al. (See Crowe, Frederic C., assignor.)
 Cauley, S. H., et al. (See Crowe, Frederic C., assignor.)
 Caulfield, Martin J., et al. (See Scott, E. J., and Cutler, assignors.)
 Caulfield, Martin J., et al. (See Zim, Jesse G., assignor.)
 Cauli, James W., Brooklyn, assignor of one-third to J. A. Address and one-third to S. Crocco, Kings County, N. Y. Automatic safety gas lighter. 1,971,210; Aug. 21.
 Caulk, L. D., Company, The. (See Grier, Davis R., assignor.)
 Causey, Otis A., Crows Landing, Calif. Two-way locking faucet. 1,949,926; Mar. 6.
 Cauwenberg, Winfred J., Brooklyn, assignor to Titanium Pigment Company, Inc., New York, N. Y. Precipitating titanium compounds. 1,957,528; May 8.
 Cauwenberg, Winfred J., Brooklyn, assignor to Titanium Pigment Company, Inc., New York, N. Y. Cobalt titanate and making same. 1,969,061; Aug. 7.
 Cavaglieri, Giuseppe, assignor to G. F. Marquis, Los Angeles, Calif. Building reconstruction. 1,971,331; Aug. 28.
 Cavanagh, John J., Ridgewood, N. J. Automatic web measuring and feeding device. 1,941,597; Jan. 2.
 Cavanagh, John, assignor to Hat Corporation of America, East Norwalk, Conn., and New York, N. Y. Straw hat. 1,961,739; June 5.
 Cavanagh, John, East Norwalk, Conn., assignor to Hat Corporation of America, New York, N. Y. Sweat band for hats. 1,969,352; Aug. 7.
 Cavanagh, John, East Norwalk, Conn., assignor to Hat Corporation of America, East Norwalk, Conn., and New York, N. Y. Sweat band for felt hats. 1,974,258; Sept. 18.
 Cavanagh, John F., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Stapling appliance. Des. 91,703; Mar. 13.
 Cavanagh, John F., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Staple extractor. 1,948,096; Feb. 20.
 Cavanagh, John F., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Staple extractor. 1,956,166; Apr. 24.
 Cavanagh, John F., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Staple extractor. 1,980,573; Nov. 13.
 Cavanagh, John F., Pawtucket, and R. H. Chase, Providence, assignors to W. W. Potter, Pawtucket, R. I. Apparatus for splicing yarn. 1,950,658; Mar. 13.
 Cavanagh, John J., Farmingdale, N. Y. Structural toy. 1,975,083; Oct. 2.
 Cavanah, Carl C. (See Smith, Frank H., assignor.)
 Cavanaugh, Glen F., A. Calmeyer, and P. Brujinoghe, Jackson, Mich. Electromagnetic lock. 1,958,940; May 15.
 Caven, Trevor M., New York, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Refractory article. 1,949,038; Feb. 27.
 Caverly, Waldo R. (See Aydelotte, C., Caverly, and Wright.)
 Cavers, Thomas W., and G. M. Lee, Anyox, British Columbia, Canada. Converting copper matte. 1,966,376; July 10.
 Cavey, Arthur T., Cincinnati, assignor to Carthage Mills Incorporated, Carthage, Ohio. Building construction. 1,978,012; Oct. 23.
 Cavicchi, Albert A., Arlington, Mass. Button. 1,980,909; Nov. 13.
 Cavins, Omar A., San Francisco, Calif. Suction fishing tool. 1,944,169; Jan. 23.
 Cavins, Omar A., Taft, Calif. Suction fishing tool. 1,968,282; July 31.
 Cavins, Omar A., Glendale, assignor to Standard Oil Company of California, San Francisco, Calif. Inclination recording mechanism for oil wells. 1,962,634; June 12.
 Cavit, James H. (See Spahn, Chester J., assignor.)
 Cawl, Franklin R., et al. (See Milone, Samuel, assignor.)
 Cayley, Aloysius J., Pittston, Pa. Reflex optical lever. 1,950,482; Mar. 13.
 Cayley, Aloysius J., Pittston, Pa. Sound reproducing apparatus. 1,962,055; June 5.
 Cayley, Aloysius J., Pittsburgh, Pa. Windshield. 1,960,696; May 29.
 Caywood, Richard L., East Liverpool, Ohio. Casing for a unipower agitator drive. Des. 92,792; July 17.
 Cawthon, James L., jr. (See Mitchell, H. A., and Cawthon.)
 Cayne, Maurice S. (See Crim, Robert L., assignor.)
 Cease, Robert R., Nameoki, assignor to General Steel Castings Corporation, Granite City, Ill. Wagon underframe. 1,948,256; Feb. 20.
 Cebulski, Joseph, Salem, Mass. Noiseless propeller blade for aircraft. 1,946,129; Feb. 6.
 Cecil, Eugene L., assignor of one-half to L. D. Wright, Washington, D. C. Polishing device for printing press rollers. 1,952,655; Mar. 27.
 Cecil, Eugene L., assignor of one-half to L. D. Wright, Washington, D. C. Rotatable cutter. 1,952,656; Mar. 27.
 Cecil, Eugene L., and J. J. Callahan, Washington, D. C. Caliper. 1,952,657; Mar. 27.
 Cederholm, William, Detroit, Mich., and C. G. Johnson, Hartford City, Ind. Anchor for brick, tile, and the like. 1,975,769; Oct. 9.
 Cederquist, Nils H., Alhambra, Calif. Panel key construction. 1,971,320; Aug. 21.
 Celanese Corporation of America. (See Bader, W., and Thomas, assignors.)
 Celanese Corporation of America. (See Beran, Charles F., assignor.)
 Celanese Corporation of America. (See Booth, Roland, assignor.)
 Celanese Corporation of America. (See Daly, Arthur J., assignor.)
 Celanese Corporation of America. (See Dickie, W. A., and Hale, assignors.)
 Celanese Corporation of America. (See Dickie, W. A., and Hill, assignors.)
 Celanese Corporation of America. (See Dickie, W. A., and Howarth, assignors.)
 Celanese Corporation of America. (See Dickie, W. A., Latham, and Platts, assignors.)
 Celanese Corporation of America. (See Dickie, W. A., and Moncrieff, assignors.)
 Celanese Corporation of America. (See Dreyfus, C., and Platt, assignors.)
 Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)
 Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
 Celanese Corporation of America. (See Dreyfus, H., Dickie, and Hale, assignors.)
 Celanese Corporation of America. (See Dreyfus, H., Dickie, and Sowter, assignors.)

- Celanese Corporation of America. (See Dreyfus, H., and Taylor, assignors.)
 Celanese Corporation of America. (See Eichengrün, Arthur, assignor.)
 Celanese Corporation of America. (See Ellis, George H., assignor.)
 Celanese Corporation of America. (See Ellis, G. H., Ockman, and Olpin, assignors.)
 Celanese Corporation of America. (See Ellis, G. H., and Mann, assignors.)
 Celanese Corporation of America. (See Ellis, G. H., and Miller, assignors.)
 Celanese Corporation of America. (See Ellis, G. H., and Olpin, assignors.)
 Celanese Corporation of America. (See Ellis, G. H., Olpin, and Kirk, assignors.)
 Celanese Corporation of America. (See Ellis, G. H., and Storey, assignors.)
 Celanese Corporation of America. (See Ewing, H., and Roberts, assignors.)
 Celanese Corporation of America. (See Fulton, S. M., and McVeigh, assignors.)
 Celanese Corporation of America. (See Green, S. J., and Handley, assignors.)
 Celanese Corporation of America. (See Hall, Archibald J., assignor.)
 Celanese Corporation of America. (See Hall, J., Olpin Reeves, and Kirk, assignors.)
 Celanese Corporation of America. (See Howarth, William, assignor.)
 Celanese Corporation of America. (See Jabouley, Joanny, assignor.)
 Celanese Corporation of America. (See Kimpton, William H., assignor.)
 Celanese Corporation of America. (See Kinsella, E., Pratt, and Kelsall, assignors.)
 Celanese Corporation of America. (See Kirk, E. W., Olpin, and Ellis, assignors.)
 Celanese Corporation of America. (See Loughlin, Kenneth C., assignor.)
 Celanese Corporation of America. (See Martin, H. E., and Thompson, assignors.)
 Celanese Corporation of America. (See Meisenheimer, Todd B., assignor.)
 Celanese Corporation of America. (See Mellor, A., and Mann, assignors.)
 Celanese Corporation of America. (See Miller, Brian E. M., assignor.)
 Celanese Corporation of America. (See Moss, William H., assignor.)
 Celanese Corporation of America. (See Moss, W. H., and Seymour, assignors.)
 Celanese Corporation of America. (See Moss, W. H., and White, assignors.)
 Celanese Corporation of America. (See Olpin, Henry C., assignor.)
 Celanese Corporation of America. (See Oxley, H. F., Groombridge, and Challis, assignors.)
 Celanese Corporation of America. (See Oxley, H. F., Groombridge, and Thomas, assignors.)
 Celanese Corporation of America. (See Palmer, Charles W., assignor.)
 Celanese Corporation of America. (See Parkinson, Reginald H., assignor.)
 Celanese Corporation of America. (See Parkinson, R. H., and Reeson, assignors.)
 Celanese Corporation of America. (See Payne, R. W., and Roberts, assignors.)
 Celanese Corporation of America. (See Pool, William, assignor.)
 Celanese Corporation of America. (See Rivat, George, assignor.)
 Celanese Corporation of America. (See Roberts, Samuel B., assignor.)
 Celanese Corporation of America. (See Rooney, James H., assignor.)
 Celanese Corporation of America. (See Scheidegger, Jacques, assignor.)
 Celanese Corporation of America. (See Schneider, George, assignor.)
 Celanese Corporation of America. (See Schneider, G., Petersen, and Zimenez, assignors.)
 Celanese Corporation of America. (See Seymour, George W., assignor.)
 Celanese Corporation of America. (See Taylor, M. M., and Fulton, assignors.)
 Celanese Corporation of America. (See Taylor, William I., assignor.)
 Celanese Corporation of America. (See Thomas, E. B., Groombridge, and Oxley, assignors.)
 Celanese Corporation of America. (See Wainwright, J. A., and Harrop, assignors.)
 Celanese Corporation of America. (See Walton, C. D., Crooks, and Small, assignors.)
 Celanese Corporation of America. (See Welch, Sidney A., assignor.)
 Celanese Corporation of America. (See Welch, S. A., Guyler, Ashby, and Boaler, assignors.)
 Celanese Corporation of America. (See Welch, S. A., Guyler, and Boaler, assignors.)
 Celanese Corporation of America. (See Whitehead, William, assignor.)
 Celanese Corporation of America. (See Williams, F. J., and Martin, assignors.)
 Celinski, Stephen, Buffalo, N. Y. Microscopic slide edging and smoothing machine. 1,985,817; Dec. 25.
- Celite Corporation. (See Cummins, Arthur B., assignor.)
 Celite Corporation. (See Thatcher, Harry S., assignor.)
 Cellufoam Corporation. (See Bryant, Frank L., assignor.)
 Celluloid Corporation. (See Andersen, Bjorn, assignor.)
 Celluloid Corporation. (See Bell, William W., assignor.)
 Celluloid Corporation. (See Buttrick, William M., assignor.)
 Celluloid Corporation. (See Caprio, Amerigo F., assignor.)
 Celluloid Corporation. (See Petersen, A. E., and Jareckie, assignors.)
 Celluloid Corporation. (See Schweizer, Ernest, assignor.)
 Celluloid Corporation. (See Stevens, J. H., and Walsh, assignors.)
 Celluloid Corporation. (See Walsh, James F., assignor.)
 Celluloid Corporation. (See Walsh, J. F., and Caprio, assignors.)
 Celluloid Corporation. (See Walsh, J. F., and Flynn, assignors.)
 Celluloid Corporation. (See Walsh, J. F., and Steinberger, assignors.)
 Cellulose Acetate Silk Company. (See Curtis, Harry C., assignor.)
 Cellulose Research Corporation, The. (See Olsen, Fredrich, assignor.)
 Cellulose Research Corporation, The. (See Seavey, F. R., Phillips, and Olsen, assignors.)
 Celotex Company, The. (See Lathrop, E. C., and Irvine, assignors.)
 Celotex Company, The. (See Munroe, Treadway B., assignor.)
 Celotex Company, The. (See Munroe, T. B., and Lathrop, assignors.)
 Celotex Company, The. (See Munroe, T. B., and Swenson, assignors.)
 Cement Gun Company. (See Domina, Georg, assignor.)
 Cement Gun Company. (See Stewart, E. P., and Frost, assignors.)
 Cement Process Corporation. (See Blank, Alton J., assignor.)
 Cement Wrapped Pipe Company. (See Kraner, Warren A., assignor.)
 Centa Trading Corporation. (See Fletcher, William, assignor.)
 Centa Trading Corporation. (See Schlumbohm, Peter, assignor.)
 Cen-Tennial Cotton Gin Co. (See Ott, Thomas O., assignor.)
 Centeno, Guillermo, Caracas, Venezuela. Apparatus to prevent petroleum fires. 1,960,261; May 29.
 Center, Andrew J., Laredo, Tex. Oil burner. 1,968,126; July 31.
 Centervall, Hugo A., assignor to Manly Corporation, New York, N. Y. Transmission mechanism. 1,951,345; Mar. 20.
 Centko, John D. (See Mess, F. J., Eggleston, and Centko.)
 Central Advertising Company. (See Schroeder, Theodore E., assignor.)
 Central Commercial Company. (See Gundlach, Henry R., assignor.)
 Central Commercial Company. (See Severy, Victor H., assignor.)
 Central Gun Company et al. (See Peters, C., and Domina, assignors.)
 Central Ice and Cold Storage Company. (See Tench, George E., assignor.)
 Central Ice and Cold Storage Company. (See Zeigler, Maxwell T., assignor.)
 Central Iron & Steel Company. (See Irons, R. H., and Eck, assignors.)
 Central Ohio Steel Products Co. (See Biszantz, Fred, assignor.)
 Central Paper Company. (See Thorsen, Karl M., assignor.)
 Central Republic Trust Company, et al., executors. (See Friendly, Herbert M.)
 Central Republic Trust Company, trustee. (See Friendly, Herbert M., assignor.)
 Central Scientific Company. (See Dubrovin, John, assignor.)
 Central Scientific Company. (See Hornberger, Carl S., assignor.)
 Central Scientific Company. (See Klopsteg, Paul E., assignor.)
 Central Scientific Company. (See Robertson, George R., assignor.)
 Central Scientific Company. (See States, Marshall N., assignor.)
 Central Specialty Company. (See Lonsky, John H., assignor.)
 Central States Paper and Bag Company. (See Abramson, Alvin A., assignor.)
 Central Trust Company of Illinois. (See Friendly, Herbert M.)
 Central United National Bank. (See Ohmer, J. F., and Long, assignors.)
 Central United National Bank, trustee. (See Sedgebury, Herman F., assignor.)
 Central United National Bank. (See Stimson, Percy G., assignor.)
 Central Waxed Paper Co. (See Hawley, John F., assignor.)
 Centrifix Corporation. (See Hawley, Charles G., assignor.)

- Centrifugal Engineering and Patents Corporation. (See Knopp, Gumal, assignor.)
- Centrifugal Engineering and Patents Corporation. (See Lindberg, Sven C., assignor.)
- Centrifugal Pipe Corporation. (See Carrington, Frank G., assignor.)
- Century Electric Co. (See Jones, Thomas B., assignor.)
- Century Oxford Mfg. Corp. (See Vitolo, Louis, assignor.)
- Ceramic Products Company. (See Phelps, Stuart M., assignor.)
- Cerf, Edgar A., jr. (See Brooks, J. A., and Cerf.)
- Černoch, Josef, Prague-Brevnov, Czechoslovakia. Apparatus for preparing combustible mixture. 1,964,620; June 26.
- Certain-Teed Products Corporation. (See Cale, Dutro C., assignor.)
- Certain-Teed Products Corporation. (See Codwise, Philip W., assignor.)
- Certain-Teed Products Corporation. (See Hoggatt, Gilbert A., assignor.)
- Certain-Teed Products Corporation. (See MacNutt, Arthur D., assignor.)
- Certain-teed Products Corporation. (See Straub, Samuel C., assignor.)
- Cervený, Charles J., Elmhurst, and H. Evans, Floral Park, N. Y. Decorative and acoustic composition. 1,871,900; Aug. 28.
- Ceskoslovenska Zbrojovka Akciova Spolecnost V Brne. (See Marek, Anton, assignor.)
- Cestone, Anthony, Washington, D. C. Rain spout hook. 1,967,660; July 24.
- Chace, W. M., Valve Company. (See Matthews, Howard D., assignor.)
- Chace, William M., jr. (See Singleton, W. E., and Chace.)
- Chace, William M., jr., assignor to Peerless Laundry Services, Ltd., Los Angeles, Calif. Collar stretching and ironing device. 1,968,283; July 31.
- Chadborn, Frederic C., Newburgh, N. Y. Temperature regulator. 1,957,629; May 8.
- Chadbourne, Henry W., Scotia, N. Y., assignor to General Electric Company. Control system. 1,971,811; Aug. 28.
- Chadeloid Chemical Company. (See Agnew, Arthur M., assignor.)
- Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
- Chadeloid Chemical Company. (See Rott, Frank B., assignor.)
- Chadeloid Chemical Company. (See Toll, Karel, assignor.)
- Chadkin, Bernard, Brooklyn, N. Y. Smoking pipe. 1,965,134; July 3.
- Chadwick, Everett D., Winchester, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 1,963,649; June 19.
- Chadwick, John W., Casper, Wyo. System for heating pipe lines. 1,960,866; May 29.
- Chadwick, Lee S., Shaker Heights, M. Resek, and C. J. Kessler, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Combined heating and cooking stove. Des. 93,205; Sept. 4.
- Chadwick, Lee S., Shaker Heights, and C. J. Kessler, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Burner. 1,944,492; Jan. 23.
- Chadwick, Lee S., Shaker Heights Village, M. Resek and C. J. Kessler, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Heating apparatus. 1,944,593; Jan. 23.
- Chadwick, Lee S., Shaker Heights Village, M. Resek, Cleveland Heights, and K. W. Rausch, East Cleveland, assignors to Perfection Stove Company, Cleveland, Ohio. Condenser. 1,961,815; June 5.
- Chadwick, Lee S., Shaker Heights, and C. J. Kessler, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Clean-out means for burner connections. 1,975,192; Oct. 2.
- Chadwick, Lee S., Shaker Heights, and J. A. Dahlstrom, Ray Village, assignors to Perfection Stove Company, Cleveland, Ohio. Draft regulator. 1,979,865; Nov. 6.
- Chadwick, Lee S., Shaker Heights Village, M. Resek, and T. B. Focke, Cleveland Heights, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio. Cooling unit for refrigerating machines. 1,985,816; Dec. 25.
- Chadwick, Le Roy, St. Paul, Minn. Pincers. 1,949,452; Mar. 6.
- Chadwick, Richard E., Westmount, Quebec, Canada. Breakwater. 1,969,119; Aug. 7.
- Chadwick, Russell L., Greensburg, Pa. Universal electric plug. 1,947,331; Feb. 13.
- Chafee, Zechariah, Providence, R. I. Cabinet construction. 1,945,020; Jan. 30.
- Chaffee, Stewart W., New York, and R. P. Muller, St. George, N. Y. Roofing. 1,973,522; Sept. 11.
- Chaffin Optical Company. (See Budd, Louis H., assignor.)
- Chafin, Marion I., and A. J. Bennett, Chicago, Ill. Combination exercising and massaging apparatus. 1,973,945; Sept. 18.
- Chaille, Frank H. (See Chaille, Russell H., F. H., and G. H.)
- Chaille, Glen H. (See Chaille, Russell H., F. H., and G. H.)
- Chaille, Russell H., Butlerville, Ind., F. H. Chaille, Newport, Ky., and G. H. Chaille, Indianapolis, Ind. Dispenser. 1,967,743; July 24.
- Chain Belt Company. (See Ball, Charles F., assignor.)
- Chain Belt Company. (See Benesh, Alvin H., assignor.)
- Chain Belt Company. (See Bleyer, Lloyd G., assignor.)
- Chain Belt Company. (See Longenecker, Charles L., assignor.)
- Chain Belt Company. (See Miller, Arthur E., assignor.)
- Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
- Chain Belt Company. (See Townsend, D. W., and Brower, assignors.)
- Chain Belt Company. (See Viall, George K., assignor.)
- Chalfant Can Company. (See Feagles, Ralph L., assignor.)
- Chall, Paul. (See Mittasch, A., and Chall.)
- Challenge Machinery Company, The. (See Lee, J. E., and Barney, assignors.)
- Challenor, William A. P. (See Crawford, F. A. F., and Challenor.)
- Challinor, Charles G., assignor to The Colonial Iron Works Company, Cleveland, Ohio. Conveyor system for handling washing machine tubs during the process of enameling. 1,949,991; Mar. 6.
- Challis, William. (See Oxley, H. F., Groombridge, and Challis.)
- Chalmers, George W., Summit, Ill., assignor to International Patents Development Company, Wilmington, Del. Apparatus for attaching pouring spouts to cans. 1,979,793; Nov. 6.
- Chalmers, James C., Toronto, Ontario, Canada. Razor blade holder. 1,978,857; Oct. 30.
- Chalut, Albert. (See Pazziani, A., and Chalut.)
- Chamberlain, Albert H. and T. H., assignors to The New Haven Clock Company, New Haven, Conn. Electric clock. 1,957,694; May 8.
- Chamberlain, Clark W., East Lansing, Mich. Method and apparatus for heating, cooling, and ventilating. 1,965,733; July 10.
- Chamberlain Corporation. (See Etten, Nicholas L., assignor.)
- Chamberlain, Joseph R., assignor to York Ice Machinery Corporation, York, Pa. Production of solid carbon dioxide. 1,984,249; Dec. 11.
- Chamberlain, Joseph R., assignor to York Ice Machinery Corporation, York, Pa. Production of solid carbon dioxide. 1,984,250; Dec. 11.
- Chamberlain, Leonard C. (See Grebe, J. J., and Chamberlain.)
- Chamberlain, Martin T., Joliet, and E. E. Mortell, Kankakee, Ill., assignors to J. W. Mortell Company. Insulation for absorbing condensation in metallic structures. 1,960,867; May 29.
- Chamberlain Metal Weather Strip Company. (See Heid, Rudolph L., assignor.)
- Chamberlain Metal Weather Strip Company. (See Julien, Louis F., assignor.)
- Chamberlain, Paul A. (See Shapiro, L. C., and Chamberlain.)
- Chamberlain, Rufus N., Chicago, Ill., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Low voltage storage battery. 1,944,065; Jan. 16.
- Chamberlain, Rufus N., Chicago, Ill., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Storage battery. 1,944,066; Jan. 16.
- Chamberlain, Thomas H. (See Chamberlain, Albert H. and T. H.)
- Chamberlain, William E., Philadelphia, Pa. Camera for indexing skiagraphs. 1,974,174; Sept. 18.
- Chamberlain, Wilson P., jr., and W. R. Hultberg, assignors to Corry Metal Corporation, Corry, Pa. Roll screen. 1,972,182; Sept. 4.
- Chamberlin, Clarence P., Highland Park, Mich. Ornamental bead for vehicle wheel hubs. 1,952,044; Mar. 27.
- Chamberlin, Willie R. (See MacNab, O., Broido, Loehr, Barry, and Chamberlin.)
- Chambers, Arthur, et al. (See Norris, David L., sr., assignor.)
- Chambers, Bert C., New York, N. Y., assignor to Wallace & Tieman Products, Inc., Belleville, N. J. Printing block and making same. 1,942,683; Jan. 9.
- Chambers, Clinard F., Los Angeles, Calif., assignor to Alemite Corporation, Chicago, Ill. Grease gun. 1,972,181; Sept. 4.
- Chambers Corporation. (See Chambers, John E., assignor.)
- Chambers, Dudley E., Schenectady, N. Y., assignor to General Electric Company. Carrier conveyer system. 1,946,307; Feb. 6.
- Chambers, Dudley E., Schenectady, N. Y., assignor to General Electric Company. Carrier conveyer system. 1,983,342; Dec. 4.
- Chambers, Dudley E., and C. G. Suits, Schenectady, N. Y., assignors to General Electric Company. Control system. 1,968,634; July 31.
- Chambers Electric Brake Corporation. (See Chambers, Morris B., assignor.)
- Chambers, Isaac M. (See Showers, L. M., jr., and Chambers.)
- Chambers, James H. (See Krum, H., Preall, and Chambers.)
- Chambers, John E., assignor to Chambers Corporation, Shelbyville, Ind. Gas burner. 1,959,657; May 22.
- Chambers, Karl D., Montgomery, Ala. Motor vehicle headlighting system. 1,955,173; Apr. 17.

- Chambers, Leverett D., assignor to Peerless Weighing Machine Company, New York, N. Y. Platform weighing scale. 92,645; July 3.
- Chambers, Morris B., Huntington Park, Calif., assignor to Chambers Electric Brake Corporation, Seattle, Wash. Electromagnetic brake. 1,958,608; May 15.
- Chambers, Morris B., Huntington Park, Calif., assignor to Chambers Electric Brake Corporation, Seattle, Wash. Electromagnetic brake. 1,970,951; Aug. 21.
- Chambers, William E., West Chester, Pa. Apparatus for grading mushrooms. 1,942,238; Jan. 2.
- Chambless, Ersyl F. (See Fay, Joseph W., assignor.)
- Chambless, Ersyl F., Chicago, Ill. Device for holding sheets and bedclothes in place. 1,972,919; Sept. 11.
- Chambliss, Edward L., jr., and E. H. Obernier, St. Louis, Mo. Mold for forming apertures in concrete construction. 1,954,788; Apr. 17.
- Chamness, Oscar L., R. B. Alfonte, and T. I. Philpott, Indianapolis, Ind. Metal railway tie and fastener. 1,959,855; May 22.
- Champion Anti-Rattler Co. (See Meiners, Joseph G., assignor.)
- Champion Carburetor. (See Huber, Horace H., assignor.)
- Champion Carburetor, a trust. (See White, D'Orsay M., assignor.)
- Champion, Charles H., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Composition of matter, etc. 1,984,173; Dec. 11.
- Champion Coated Paper Company, The. (See Boyers, Charles F., assignor.)
- Champion Coated Paper Company, The. (See Bradner, Donald B., assignor.)
- Champion Coated Paper Company, The. (See Randall, Herbert T., assignor.)
- Champion Company, The. (See Spriggs, A. O., and Seely, assignors.)
- Champion De Arment Tool Company. (See Manning, Howard H., assignor.)
- Champion Fibre Company, The. (See Murdock, Harold R., assignor.)
- Champion Hardware Company, The. (See van Doren, Harold L., assignor.)
- Champion Machine & Forging Company, The. (See Johnson, Howard F., assignor.)
- Champion Sheet Metal Company, Inc. (See Walling, Ralph R., assignor.)
- Champion Shoe Machinery Company. (See Dobyne, Stevenson A., assignor.)
- Champion Spark Plug Company. (See Daubenmeyer, Homer W., assignor.)
- Champion Spark Plug Company. (See Riddle, Frank H., assignor.)
- Champion Spark Plug Company. (See Rohde, Otto C., assignor.)
- Champion Switch Company, The. (See Carlisle, George L., assignor.)
- Champion, Thomas P. (See Applegate, Robert R., assignor.)
- Champion, Thomas P., R. E. Kinkad, and R. R. Applegate, Shaker Heights, Ohio; said Kinkad and said Applegate assignors to said Champion. Welding. 1,954,773; Apr. 10.
- Champion, Wilburn D., Pampa, Tex. Oil and water separator and petroleum purifier. 1,943,367; Jan. 16.
- Champion, Wilburn D., Pampa, Tex. Oil and water separator and petroleum purifier. 1,943,368; Jan. 16.
- Champlin, Arthur D., Providence, R. I. Tarnishproof cloth. 1,949,781; Mar. 6.
- Champlin, Philip T., Little Valley, N. Y. Bag holder. 1,971,642; Aug. 28.
- Chan, André D. H., Cirey-sur-Vezouse, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint Gobain, Chauny & Cirey, Paris, France. Pouring glass. 1,955,952; Apr. 24.
- Chance, Albert B., Centralia, Mo. Earth anchor. Re19,177; May 22.
- Chance, Albert B., Centralia, Mo. Earth anchor. 1,942,684; Jan. 9.
- Chance, Charles T., and M. K. Patten, assignors, by mesne assignments, to W. F. Stimpson, Detroit, Mich. Apparatus for varying the pitch of aeroplane propeller blades. 1,946,387; Feb. 6.
- Chance, Florence H., et al., executors. (See Chance, Thomas M.)
- Chance, Henry M., Philadelphia, Pa. Method and apparatus for separating materials of differing specific gravities. 1,966,609; July 17.
- Chance, Thomas M., deceased, Philadelphia, Pa., F. H. Chance and Provident Trust Company of Philadelphia, executors. Apparatus for separating materials of different specific gravities. 1,949,242; Feb. 27.
- Chandeysson, Pierre I., St. Louis, Mo. Homopolar pipe welding generator. 1,951,272; Mar. 13.
- Chandler, Arthur F. B., Irvington, N. J., assignor to Westinghouse Lamp Company. Making clad metals. 1,968,069; July 31.
- Chandler, Carroll F., Buffalo, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Sizing artificial fibers. 1,948,000; Jan. 9.
- Chandler Chemical Company, The. (See Chandler, William H., assignor.)
- Chandler Chemical Company, The. (See Orozco, Gilbert H., assignor.)
- Chandler, David G., and R. T. Svendsen, Minneapolis, Minn. Outboard propeller and rudder mounting. 1,943,288; Jan. 16.
- Chandler, Edward C., Cleveland, and H. Delamatter, Cleveland Heights, Ohio; said Delamatter assignor to said Chandler. Cleaning material feeder for washing machines. 1,961,278; June 5.
- Chandler, Edward C., Cleveland, and H. Delamatter, Cleveland Heights, Ohio; said Delamatter assignor to said Chandler. Cleaning material feeder for washing machines. 1,971,063; Aug. 21.
- Chandler, Edward M., Alcoa, Tenn., assignor to Aluminum Company of America, Pittsburgh, Pa. Metal transfer. 1,983,578; Dec. 11.
- Chandler, Frank J., Toledo, Ohio. Perforating roller. 1,958,694; May 15.
- Chandler, Franklin F., assignor to Ross Gear & Tool Company, Lafayette, Ind. Ball and socket joint. 1,976,983; Oct. 16.
- Chandler, Fred K., Des Moines, Iowa. Apparatus for grinding and handling feed. 1,967,022; July 17.
- Chandler, Frederick M., Union City, and H. C. Werner, Montclair, N. J. Supporting vertical guides and other members. 1,957,630; May 8.
- Chandler, George V., Chicago, Ill. Printing press roller socket. 1,965,734; July 10.
- Chandler, George V., Chicago, Ill. Printing press roller socket. 1,977,375; Oct. 16.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Expansion bolt. 1,964,427; June 26.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Motor starter. 1,972,979; Sept. 11.
- Chandler, Homer P., and S. S. Matthes, Mansfield, Ohio. Starting mechanism. 1,960,965; May 29.
- Chandler, Homer P., and S. S. Matthes, Mansfield, Ohio. Starting device. 1,960,966; May 29.
- Chandler, Homer P., and S. S. Matthes, Mansfield, Ohio. Motor starter. 1,960,967; May 29.
- Chandler, John F. (See Valiquet, O. P., and Chandler.)
- Chandler, Milton E. (See Mock, F. C., Gustafson, and Chandler.)
- Chandler, Milton E., La Grange, and D. Cole, assignors of one-half to Bendix Stromberg Carburetor Company, and one-half to D. Cole, Chicago, Ill. Carburetor. 1,957,631; May 8.
- Chandler & Price Company, The. (See Honigmann, Hans, assignor.)
- Chandler & Price Company, The. (See Reichart, William M., assignor.)
- Chandler & Price Company, The. (See Root, Charles F., assignor.)
- Chandler & Price Company, The. (See Tyler, R. S., and McGeorge, assignors.)
- Chandler, Robert J. A., London, England, assignor to American Machine & Foundry Company, New York, N. Y. Tobacco feeding mechanism of cigarette-making machines. 1,977,984; Oct. 23.
- Chandler, Robert J. A., London, England, assignor to American Machine & Foundry Company, New York, N. Y. Pasting mechanism for cigarette-making machines. 1,977,985; Oct. 23.
- Chandler, Robert J. A., London, England, assignor to American Machine & Foundry Company, New York, N. Y. Cut-off for cigarette-making machines. 1,977,986; Oct. 23.
- Chandler, Robert W., assignor to Graton & Knight Company, Worcester, Mass. Oil seal. 1,970,165; Aug. 14.
- Chandler, William H., Shaker Heights, Ohio. Cleaning metal molds used for the vulcanization of rubber articles. 1,952,417; Mar. 27.
- Chandler, William H., Shaker Heights, assignor to The Chandler Chemical Company, Cleveland, Ohio. Applicator for polishing compounds and lubricants. 1,970,545; Aug. 21.
- Chaney, John L., Springfield, Ohio, and W. K. Yates, Chicago, Ill. Thermometer. 1,983,166; Dec. 4.
- Chaney Manufacturing Company, The. (See Herold, Walter F., assignor.)
- Chaney Manufacturing Company, The. (See Hoeflich, Julius G., assignor.)
- Chaney, Newcomb K., Cleveland Heights, and E. F. Kiefer, Cleveland, Ohio, assignors to National Carbon Company, Inc. Impervious carbon article and forming the same. 1,983,598; Dec. 11.
- Channell, Wallace E., Oakland City, Ind. Sectional conveyor. 1,959,457; May 22.
- Channon, Henry C. (See Smith, W. S., Garnett, Dean, Channon, Gardner, and Wilson.)
- Channon, Henry C. (See Smith, W. S., Garnett, Dean, Habgood, and Channon.)
- Chanock, Theodore, Chicago, Ill. Glow-light for lighting fixtures. 1,966,485; July 17.
- Chantrell Lock Corp. (See Goldberg, Samuel P., assignor.)
- Chanut, Paul A., assignor to Steinberger Bros. Glove Corporation, New York, N. Y. Glove. 1,981,779; Nov. 20.
- Chanut, Paul A., Paris, France. Dress glove structure. 1,984,461; Dec. 18.
- Chapal Donner Corporation, The. (See Young, Otto, assignor.)
- Chapatte, Ida, Buffalo, N. Y. Puff iron. 1,946,929; Feb. 13.
- Chapelle, Robert, Beaune, France. Fruit pitting machine. 1,985,336; Dec. 25.
- Chapin, H. L. (See Mahon, Harold W., assignor.)
- Chapin, Harrison L. (See Folmer, W. F., and Chapin.)

- Chapin, Herbert L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,945,519; Feb. 6.
- Chapin, Herbert L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blacking machine. 1,971,478; Aug. 28.
- Chapin, Herbert L., Swampscott, and A. S. Johnson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying cement. 1,985,482; Dec. 25.
- Chapin, Howard J. (See August, W., McCausland, and Chapin.)
- Chapleau, Louis A., South Bend, and C. M. Rodgers, Clay Township, St. Joseph County, assignors to South Bend Bait Company, South Bend, Ind. Fishing lure. 1,955,408; Apr. 17.
- Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, trustee, Portland, Maine. Producing molded pulp articles. 1,946,437; Feb. 6.
- Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Maine. Molded pulp article. 1,979,794; Nov. 6.
- Chapline, Jacob B., Chicago, assignor of one-fourth to G. D. Patterson, Evanston, Ill. Process and apparatus for forming paving material. 1,979,251; Nov. 6.
- Chapman, Arthur W., Putney, London, England. Adjustable seat mechanism. 1,952,744; Mar. 27.
- Chapman, Arthur W., Putney, London, England. Slidable seat for vehicle and the like. 1,969,353; Aug. 7.
- Chapman, Charles H., Scotia, N. Y., assignor to General Electric Company, Terminal. 1,945,393; Jan. 30.
- Chapman, Charles S., et al. (See White, J., and Baxter, assignors.)
- Chapman, Charles W., Strood, Kent, assignor of one-half to F. A. Perkins, Kent, England. Friction clutch. 1,972,643; Sept. 4.
- Chapman Dehydrator Company. (See Puccinelli, Romolo L., assignor.)
- Chapman, Earl E. (See Service, H. H., and Chapman.)
- Chapman, Everett, assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,947,077; Feb. 13.
- Chapman, Frank D., Berlin, Wis. Apparatus for heat treating substances. 1,952,418; Mar. 27.
- Chapman, Frank D., Berlin, Wis. Pressure cooker. 1,952,419; Mar. 27.
- Chapman, Frank D., Berlin, Wis. Liquid measuring device. 1,959,122; May 15.
- Chapman, Frank D., Berlin, Wis. Can transferring mechanism. 1,959,123; May 15.
- Chapman, Frank D., Berlin, Wis. Agitating apparatus. 1,975,073; Oct. 2.
- Chapman, Fred A. (See Kotvis, W., Chapman, and Dordland.)
- Chapman, Fredrick D., Evanston, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Crank. Des. 94,073; Dec. 18.
- Chapman, Fredrick D., Evanston, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Cream separator. Des. 94,074; Dec. 18.
- Chapman, G. A., Forest Hills, N. Y., and J. W. Littleford, Alameda, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of minerals. 1,968,008; July 24.
- Chapman, Gordon, Liverpool, England. Golf bag hood apparatus. 1,957,577; May 8.
- Chapman, Henry G., assignor to Cyclone Fence Company, Waukegan, Ill. Fence structure. 1,979,866; Nov. 6.
- Chapman, James F. (See Dayes, F. E., and Chapman.)
- Chapman, John, St. Louis, Mo. Radio route indicators for airplanes. 1,960,297; May 29.
- Chapman, John A., et al., trustees. (See Bailey, Charles F., assignor.)
- Chapman, John A., et al., trustees. (See Herman, Joseph L.)
- Chapman, John A., et al., trustees. (See Sommer, William H., assignor.)
- Chapman, John A., et al., trustees. (See Sommer, W. H., and Bailey, assignors.)
- Chapman, John C., assignor to The Whitney Mfg. Co., Hartford, Conn. Apparatus for lubricating chains. 1,971,311; Aug. 21.
- Chapman, Kenneth J., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Tool holder for nibbling machines. 1,958,941; May 15.
- Chapman, Leo M., Chicago, Ill. Typographical machine. 1,981,845; Nov. 27.
- Chapman, Leslie H., St. Paul, Minn. Foundation caisson. 1,960,080; May 22.
- Chapman, Melville C. (See Dexter, J. R., and Chapman.)
- Chapman, Robbie C., Greenville, S. C. Bail connecting means. 1,948,202; Feb. 20.
- Chapman Valve Manufacturing Company. (See Malcolm, Vincent T., assignor.)
- Chapman, Verni J. (See Stephens, R. M. and Chapman.)
- Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Electrode nozzle. 1,959,194; May 15.
- Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Arc welding apparatus. 1,965,331; July 3.
- Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,983,343; Dec. 4.
- Chapman, Walter, assignor to Dufaycolor Limited, London, England. Color photography. 1,955,715; Apr. 17.
- Chapman, William B. (See Andrews, C. W., and Chapman.)
- Chapman, William B., Jackson Heights, N. Y. Combustion apparatus. 1,967,661; July 24.
- Chapman, William B., Jackson Heights, N. Y. Apparatus for consuming finely divided fuel. 1,969,501; Aug. 7.
- Chapman, William E., Lawton, Okla. Shelf. Des. 91,922; Apr. 10.
- Chappell, Francis R. (See O'Brien, R. J., and Chappell.)
- Chappell, Frank W., assignor of one-half to R. J. De Wees, Dallas, Tex. Constructing composite liquid tanks. 1,964,870; July 3.
- Chappell, Marvin L., Watson, Calif. Producing motor fuel from hydrocarbon oils. 1,984,519; Dec. 18.
- Chappell, Ralph, Richmond, Va., and R. J. Streb, assignors to Julien P. Friez & Sons, Inc., Baltimore, Md. Indicating angular movements. 1,985,148; Dec. 18.
- Chappell, Ralph R., Richmond, Va., R. J. Streb, and W. G. Boettinger, assignors to Julien P. Friez & Sons, Inc., Baltimore, Md. Wind direction recorder. 1,958,909; May 15.
- Chappell, Ralph R., Richmond, Va., and R. J. Streb, Baltimore, Md., assignors to Bendix Aviation Corporation, East Orange, N. J. Jewel bearing and mounting therefor. 1,966,847; July 17.
- Chapple, Charles E., Batavia, N. Y. Faucet valve. 1,985,149; Dec. 18.
- Chapple, John C., St. Louis, Mo. Fuel supply system. 1,952,420; Mar. 27.
- Charak Chemical Company. (See Serrington, William B., assignor.)
- Charak, Estey P., Newton Center, assignor to Charak Furniture Company, Boston, Mass. Drop leaf table. 1,969,875; Aug. 14.
- Charak Furniture Company. (See Charak, Estey P., assignor.)
- Charavay, Frederick, assignor of one-half to Hartzell Industries, Inc., Piqua, Ohio. Propeller mounting. 1,949,737; Mar. 6.
- Charbonneau, Albert W., Roslindale, Mass. Antislip product and making the same. 1,985,203; Dec. 18.
- Charch, William H., Buffalo, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Moistureproof material and making same. 1,962,338; June 12.
- Charch, William H., Buffalo, W. L. Hyden, Kenmore, and T. G. Finzel, Buffalo, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Adhesive. 1,953,104; Apr. 3.
- Charch, William H., Buffalo, and W. L. Hyden, and J. C. Siemann, Kenmore, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Moistureproof material and making same. 1,972,869; Sept. 11.
- Charch, William H., Buffalo, and T. G. Finzel, Kenmore, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Laminated material. 1,983,520; Dec. 11.
- Charis Corporation. (See Leonard, Joseph, assignor.)
- Charlebois, Anna S., Toronto, Ontario, Canada. Culinary utensil. 1,946,930; Feb. 13.
- Charles, Arthur. (See Smith, Ernest W.)
- Charles, Arthur. (See Smith, E. W., and Charles.)
- Charles, Eugene J., New Haven, Conn. Shaving brush. 1,943,202; Jan. 9.
- Charles, Garfield, Chicago, Ill. Collar button. 1,942,744; Jan. 9.
- Charles, George L., Bryan, Ohio. Heel guard. 1,945,420; Jan. 30.
- Charles, Lonnie E., and J. E. Aymar, Oakland, Calif. Blast torch. 1,973,371; Sept. 11.
- Charles, Maurice, Courbevoie, France. Hydro pneumatic shock absorber. 1,956,668; May 1.
- Charles, Maurice, Courbevoie, France. Shock absorber. 1,956,669; May 1.
- Charles, Robert F. (See Kallander, E. L., and Charles.)
- Charles, Ulysses G., Wichita, Kans. Pocket. 1,942,410; Jan. 9.
- Charles, William T., Washington, D. C. Universal coupling. 1,949,859; Mar. 6.
- Charlesworth, Samuel, Mount Vernon, assignor, by mesne assignments, to Surface Combustion Corporation, Toledo, Ohio. Continuous furnace. 1,944,729; Jan. 23.
- Charlet, Henry G., Long Beach, Calif. Locking receptacle for milk bottles. 1,981,780; Nov. 20.
- Charley, Walter G. (See Falkner, R. S., and Charley.)
- Charlier, Albert J. N., Jambes, near Namur, Belgium. Device for lubrication of engines. 1,970,884; Aug. 21.
- Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 1,961,814; June 5.
- Charlton, Ernest E., and W. I. Relyea, Schenectady, N. Y., assignors to General Electric Company. High voltage rectifier. 1,959,195; May 15.
- Charlton, George, et al. (See Heron, Sam D., assignor.)
- Charlton, George, Detroit, Mich., assignor to Wilcox-Rich Corporation. Steel alloy. 1,946,522; Feb. 13.
- Charlton, George, Detroit, Mich., assignor to Wilcox-Rich Corporation. Steel alloy. 1,958,985; May 15.
- Charlton, Thomas. (See Rogers, J. N. O., and Charlton.)
- Charman, Walter M., Cleveland Heights, Ohio. Hot top. 1,945,880; Feb. 6.
- Charman, Walter M., Cleveland Heights, Ohio. Hot top. 1,969,726; Aug. 14.

- Charman, Walter M., and G. A. Peterson, Cleveland Heights, assignors to The Ferro Engineering Company, Cleveland, Ohio. Hot top. 1,949,292; Feb. 27.
- Charman, Walter M., and P. R. Ward, Cleveland Heights: said Ward assignor to The Ferro Engineering Company, Cleveland, Ohio. Making refractories. 1,956,894; May 1.
- Charman, Walter M., and P. R. Ward, Cleveland Heights: said Ward assignor to The Ferro Engineering Company, Cleveland, Ohio. Refractory. 1,956,895; May 1.
- Charvat, Eugene, Paris, France. Method and apparatus for dispensing gas containing beverages and the like. 1,979,605; Nov. 6.
- Charmatz, Harry, East Orange, N. J. Combined strainer outlet and shut-off. 1,967,607; July 24.
- Charron, Alexander, Fall River, Mass. Fastening device. 1,966,161; July 10.
- Charter Drive, Inc. (See Charter, James A., assignor.)
- Charter, James A., Chicago, Ill. Gas engine. 1,962,426; June 12.
- Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 1,979,867; Nov. 6.
- Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 1,979,868; Nov. 6.
- Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 1,979,869; Nov. 6.
- Charters, James J., Washington, D. C. Combined exercising and amusement device. 1,966,848; July 17.
- Charwat, Josef. (See Bergmann, S., and Charwat.)
- Chase Appliance Corporation. (See Colbie, Gus L., assignor.)
- Chase Bag Co. (See Allen, Wyeth, assignor.)
- Chase Bag Co. (See Nimmer, Erick A., assignor.)
- Chase Brass & Copper Co., Incorporated. (See Cornell, Edward S., Jr.)
- Chase, Clyde H., et al. (See Nichols, Horace E., assignor.)
- Chase Companies, The. (See Crampton, Donald K., assignor.)
- Chase Companies, The. (See Crampton, D. K., and Burghoff, assignors.)
- Chase Companies, The. (See Guild, Lurette, assignor.)
- Chase Companies, The. (See Pope, Elton A., assignor.)
- Chase Companies, The. (See Recker, Adolph C., assignor.)
- Chase Companies, Incorporated, The. (See Clarke, William W., assignor.)
- Chase Companies, Incorporated, The. (See Coe, John S., assignor.)
- Chase Companies, Incorporated, The. (See Dempsey, Michael J., assignor.)
- Chase Companies, Incorporated, The. (See Guild, Lurette, assignor.)
- Chase Companies, Incorporated, The. (See Hutzler, Hugo F., assignor.)
- Chase Companies, Incorporated, The. (See Pope, Elton A., assignor.)
- Chase Companies, Incorporated, The. (See Recker, Adolph C., assignor.)
- Chase Companies, Incorporated, The. (See Reichenbach, Howard F., assignor.)
- Chase Companies, Incorporated, The. (See von Nessen, Walter, assignor.)
- Chase Companies, Incorporated, The. (See Wright, Russell, assignor.)
- Chase, Curtis D., Boston, Mass. Projecting apparatus. 1,965,687; July 10.
- Chase, Curtis D., Boston, Mass. Projecting apparatus. 1,965,688; July 10.
- Chase, Curtis D., assignor to Chase Rights Corporation, Philadelphia, Pa. Camera. 1,946,836; Feb. 13.
- Chase, E. M. (See Williams, C. E., and Chase.)
- Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Register. 1,964,314; June 26.
- Chase, Hamilton C., and P. H. Sanford, Los Angeles, Calif. Plant protector. 1,975,752; Oct. 2.
- Chase, Harry M., assignor to Gardner-Denver Company, Quincy, Ill. Pump valve. 1,964,249; June 26.
- Chase, Henry B., Ithaca, N. Y. Glare shield for motor vehicles. 1,953,877; Apr. 3.
- Chase, March F. (See Skogmark, J., and Chase.)
- Chase, Philip H., Bala-Cynwyd, Pa. Cable. 1,953,893; Apr. 3.
- Chase, Philip H., Bala-Cynwyd, Pa. Signal. 1,980,037; Nov. 6.
- Chase, Philip H., Bala-Cynwyd, Pa. Cable. 1,980,320; Nov. 13.
- Chase, Philip H., Bala-Cynwyd, Pa. Cable. 1,981,612; Nov. 20.
- Chase, Philip H., Bala-Cynwyd, J. R. Falconer, Conshohocken, and W. O. Cunningham, Pottstown, Pa.: said Falconer and said Cunningham assignors to said Chase. Method of and apparatus for manufacturing tubing. 1,945,594; Feb. 6.
- Chase, Philip H., Bala-Cynwyd, and J. R. Falconer, Conshohocken, Pa.: said Falconer assignor to said Chase. Tubing. 1,951,394; Mar. 20.
- Chase, Raymond H. (See Cavanagh, J. F., and Chase.)
- Chase Rights Corporation. (See Chase, Curtis D., assignor.)
- Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)
- Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Oil cooler. 1,953,927; Apr. 10.
- Chase, William B., Detroit, Mich. Means for facilitating the cutting of laminated glass. 1,969,394; Aug. 7.
- Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Knee-control mechanism for electric sewing machines. 1,947,827; Feb. 20.
- Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine motor controller. 1,949,826; Mar. 6.
- Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Device for use in the manufacture of ornamental fabrics. 1,964,453; June 26.
- Chassagne, Howard H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanizing apparatus. 1,952,421; Mar. 27.
- Chateaufort, Frank, Hampstead, N. H. Grinding machine. 1,957,879; May 8.
- Chater, John A., Medina, J. B. Cary, Buffalo, and J. E. Hollinger, assignors to Niagara Sprayer and Chemical Co. Inc., Middleport, N. Y. Hand blower dust gun. 1,982,638; Dec. 4.
- Chatham Specialty Corporation. (See Kohn, Kobay, assignor.)
- Chatillon, John, & Sons. (See Cameron, Hugh M., assignor.)
- Chatterton, Ernest E. (See Vigers, R. W., and Chatterton.)
- Chauveau, Louis L. E., Paris, France. Alarm selector apparatus. 1,967,396; July 24.
- Chauveau, Louis L. E., Paris, France. Automatic transmitter key for distress signals. 1,972,289; Sept. 4.
- Chauvet, Gabriel, Paris, France. Metal window frame. 1,942,239; Jan. 2.
- Chaux, René, Paris, assignor to Compagnie de Bethune, Bully-les-Mines, France. Esters of unsubstituted and alpha-substituted cyclopentenylacetic acid and their production. 1,965,792; July 10.
- Chavannes, Francis E., Des Moines, Iowa. Ball and socket piston structure. 1,955,226; Apr. 17.
- Chaveas, Nicholas B., Evanston, assignor to Papendick, Inc., St. Louis, Mo. Slicing machine. 1,970,416; Aug. 14.
- Cheape, John A., Charlottesville, Va. Lawn mower. 1,970,489; Aug. 14.
- Cheatham Electric Switching Device Company. (See Stolp, Samuel S., assignor.)
- Cheatham, Robert J., Chevy Chase, Md., assignor to A. M. Hyde, as Secretary of Agriculture of the United States of America. Fabric bag for fruits and vegetables. 1,942,086; Jan. 2.
- Cheatham, Thomas A., Birmingham, Ala. Safety hub cap. 1,955,735; Apr. 24.
- Chester, Harry J., U. S. Navy. Radius turning tool. 1,979,252; Nov. 6.
- Cheek, Marion A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for producing rubber. 1,983,967; Dec. 11.
- Cheek, Raymond A. M. (See Abraham, A., and Cheek.)
- Cheek, Tolbert E., assignor to Aeolian-Skinner Organ Company, Inc., Rochester, Mass. Music roll magazine. 1,984,462; Dec. 18.
- Cheeseman, Charles H. (See Putnam, C. A., and Cheeseman.)
- Cheeseman, Charles H. (See Putnam, F. A., and Cheeseman.)
- Cheeseman, Ralph T., Lynn, Mass., assignor to General Electric Company. Electrical regulating arrangement. 1,959,196; May 15.
- Cheesman-Elliott Co. Inc. (See Ward, Gilbert J., assignor.)
- Cheesman, Richard D., Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Burner. 1,949,560; Mar. 6.
- Cheatham, Harold C., Milwaukee, Wis., assignor to Bakelite Corporation, New York, N. Y. Emulsion and its preparation. 1,976,433; Oct. 9.
- Cheggidden, Raymond A., Chatham, N. J., and E. S. Greiner, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials and heat treatment thereof. 1,959,999; May 22.
- Chemical Construction Corporation. (See Hechenbleikner, Ingenium, assignor.)
- Chemical Construction Corporation. (See Mast, William C., assignor.)
- Chemical Engineering Corporation. (See Christin, Pierre, assignor.)
- Chemical Engineering Corporation. (See Dely, Josef G., assignor.)
- Chemical Engineering Corporation. (See Richardson, Ralph S., assignor.)
- Chemical Foundation Incorporated, The. (See Jablons, B., and Wagner, assignors.)
- Chemical Holding Corporation. (See Richter, William F., assignor.)
- Chemical Machinery Corporation. (See Field, Crosby, assignor.)
- Chemical Manufacturing Company. (See Elliott, P. H., and White, assignors.)
- Chemical Processes Company. (See Kerrick, Walter B., assignor.)
- Chemical and Research Corp. (See Allison, Donald K., assignor.)
- Chemical Treatment Company. (See Fink, C. G., and Eldridge, assignors.)
- Chemical Works formerly Sandoz. (See Bamberger, Heinrich, assignor.)

- Chemical Works formerly Sandoz. (See Kartaschoff, V., and Knecht, assignors.)
- Chemical Works formerly Sandoz. (See Lier, Heinrich, assignor.)
- Chemical Works formerly Sandoz. (See Rheiner, Alfred, assignor.)
- Chemical Works, formerly Sandoz. (See Stoll, A., and Binkert, assignors.)
- Chemical Works formerly Sandoz. (See Stoll, A., Binkert, and Kussmaul, assignors.)
- Chemical Works, formerly Sandoz. (See Stoll, A., and Burckhardt, assignors.)
- Chemieprodukte G. m. b. H. (See Schade, Paul F., assignor.)
- Chemipulp Process, Incorporated. (See Dunbar, T. L., and Fulton, assignors.)
- Chemipulp Process, Inc. (See Schoenwerk, Otto C., assignor.)
- Chemipulp Process, Inc. (See Smiley, Lloyd D., assignor.)
- Chemische Fabrik Budenheim Aktiengesellschaft. (See Hedrich, Guido, assignor.)
- Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft. (See Franke, Emil, assignor.)
- Chemische Fabrik Grünau, Landshoff & Meyer Aktiengesellschaft. (See Kirchner, Walter, assignor.)
- Chemische Fabrik Kalk, Gesellschaft mit beschränkter Haftung. (See Oehme, Hermann, assignor.)
- Chemische Fabrik Pott & Co. (See Becker, L., and Müller, assignors.)
- Chemische Fabrik Pott & Co. (See Pott, Rainer H., assignor.)
- Chemische Fabrik R. Baumheier Aktiengesellschaft. (See Kern, Rudolf, assignor.)
- Chemische Fabrik von Heyden, A. G. (See Mirau, Hans, assignor.)
- Chemische Fabrik von Heyden, A. G. (See Philipp, Carl, assignor.)
- Chemische Fabrik von Heyden A. G. (See Philipp, Curt, assignor.)
- Chemische Fabrik von Heyden A. G. (See Steingroever, F. A., and Zellmann, assignors.)
- Chemische Fabrik von Heyden, A. G. (See von Hoessle, Carl H., assignor.)
- Chemische Forschungsgesellschaft m. b. H. (See Herrmann, Willy O., assignor.)
- Chemische Forschungsgesellschaft m. b. H. (See Herrmann, W. O., and Haehnel, assignors.)
- Chemische und Pharmazeutische Fabrik Dr. Georg Henning. (See Ostern, Pawel E., assignor.)
- Chemung Engineering Corporation. (See Crooks, Earl G., assignor.)
- Chen, Ko K. (See Jensen, H., and Chen.)
- Chenette, Joseph C., Detroit, Mich. Universal nibbler. 1,961,843; June 5.
- Cheney, Allan, Melrose, Mass. Seepage protector for masonry buildings. 1,984,251; Dec. 11.
- Cheney Bigelow Wire Works. (See Freeman, Ralph E., assignor.)
- Cheney Bigelow Wire Works. (See Hoover, George N., Jr., assignor.)
- Cheney, Charles W., Soho, Birmingham, England. Machine for fixing attaché case locks and similar fastenings. 1,955,790; Apr. 24.
- Cheney Company, The. (See Levow, D., and Ratner, assignors.)
- Cheney, Frank D., New York N. Y. Manufacturing ornamental mirrors. 1,961,335; June 5.
- Cheney, George H. (See Calcott, W. S., and Cheney.)
- Cheney, William H., Chattanooga, Tenn. Gas generating device. 1,944,544; Jan. 23.
- Chenicek, Albert. (See Chenicek, G. W. and Albert.)
- Chenicek, George W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Instrument exhibiting mechanism. 1,980,574; Nov. 13.
- Chenicek, George W., Whiting, Ind., and A. Chenicek, Chicago, Ill. Visual indicating apparatus. 1,962,805; June 12.
- Chenoweth, James S., Louisville, Ky. Fountain syringe. 1,973,845; Sept. 18.
- Chenoweth, Jesse W. (See Mann, O. O., and Chenoweth.)
- Cheplin, Harry A. (See Reichel, J., and Cheplin.)
- Cherico, Frank V., and A. Kühn, White Plains, N. Y. Collar clasp. 1,958,160; May 8.
- Cherkasoff, Nicolas, New York, N. Y. Window. 1,978,782; Oct. 30.
- Cherney, William. (See Woodward, Lawrence P., assignor.)
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,757; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,758; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,759; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,760; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,761; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,762; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,763; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 91,764; Mar. 20.
- Chernow, Michael, Brooklyn, N. Y. Molded glass alphabet for forming monograms or the like. Des. 92,289; May 22.
- Chernow, Michael, Brooklyn, N. Y. Glass alphabet having mirror faces for forming monograms or the like. Des. 92,290; May 22.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 92,389; June 5.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 93,970; Dec. 4.
- Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or the like. Des. 94,020; Dec. 11.
- Chernow, Michael, Brooklyn, N. Y. Monogram. 1,942,240; Jan. 2.
- Chernow, Morris. (See Satinoff, David and S., Chernow, and Sherman.)
- Cherry-Burrell Corporation. (See Astle, William, assignor.)
- Cherry-Burrell Corporation. (See Boileau, Arthur H., assignor.)
- Cherry-Burrell Corporation. (See Boileau, A. H., and Lipold, assignors.)
- Cherry-Burrell Corporation. (See Feldmeier, Harvey, assignor.)
- Cherry, Edith J., St. Paul, Minn. Decorative device. 1,961,816; June 5.
- Cherry, Frank W., Kenilworth, Ill., assignor to Lug-Lox Flooring Company. Securing floor boards and the like. 1,968,798; July 31.
- Cherry, Frank W., Kenilworth, Ill., assignor to Lug-Lox Flooring Company. Floor board and fastening therefor. 1,974,259; Sept. 18.
- Cherry, Lester A., and C. N. Fuller, assignors to H. W. Hilliard Co. Inc., Buffalo, N. Y. Machine for affixing opening threads to envelopes. 1,966,333; July 10.
- Cherry, Oscar A., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Hot molding composition. 1,982,787; Dec. 4.
- Cherry, Oscar A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Synthetic resin. 1,982,788; Dec. 4.
- Cherry, Oscar A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Colorless synthetic resin and making same. 1,983,658; Dec. 11.
- Chesbrough, George W., Rochester, N. Y. Turned shoe. 1,949,782; Mar. 6.
- Chesler, Isidor, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Cigarette lighter or similar article. Des. 92,581; June 26.
- Chesler, Isidor, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Mechanical pencil. 1,956,271; Apr. 24.
- Chesler, Isidor, New York, N. Y., assignor to Eagle Pencil Company. Indicator. 1,965,068; July 3.
- Chesley, Walter R., Somerville, assignor to Ajax Spring Stabilizer Company, Cambridge, Mass. Apparatus for applying spring covers to springs. 1,981,221; Nov. 20.
- Chesney, Robert M. (See Galbreath, W. W., and Chesney.)
- Chesney, Robert M., assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Drawing metal. 1,960,000; May 22.
- Chesnut, Roy W., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion reduction in signaling systems. 1,953,465; Apr. 3.
- Chesnut, Roy W., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier current signaling system. 1,983,537; Dec. 11.
- Chesnut, William C. (See Ritter, J., Jr., and Chesnut.)
- Chesny, Henry H., assignor to Union Oil Company of California, Los Angeles, Calif. Production of liquid hydrocarbons from hydrocarbon gases. 1,965,135; July 3.
- Chessin, Alexander, New York, N. Y. Gyroscopic compass and latitude indicator. 1,969,965; Aug. 14.
- Chester, Alden P., and D. H. Hill, assignors to Globe American Corporation, Kokomo, Ind. Oven control. 1,943,582; Jan. 16.
- Chester Bros. Ltd. (See Chester, Frank R., assignor.)
- Chester, Frank R., assignor to Chester Bros. Ltd., Vancouver, British Columbia, Canada. Ice-cream scoop and the like. 1,966,089; July 10.
- Chevalier, La Rue B., Iola, Kans. Bull and calf wheel. 1,959,570; May 22.
- Chevalier, Paul. (See Cahen, G., and Chevalier.)
- Chevalier, Roger F., San Francisco, Calif., assignor to The Coo Manufacturing Company, Palmsville, Ohio. Condensation drainer. 1,950,227; Mar. 6.
- Chevallier, Arnold L., Llangarron, Ross, Hereford, assignor to Chevallier Self Loading Fire Arms, Limited, London, England. Recoil operated small arm. 1,946,388; Feb. 6.
- Chevallier Self Loading Fire Arms, Limited. (See Chevallier, Arnold L., assignor.)
- Chevillat, Alfred, Gargan Livry, Seine et Oise, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,947,696; Feb. 20.
- Chiappetta, Baptist A., Beaver Falls, Pa. Arch support. 1,957,695; May 8.
- Chiashi, Elzo, Kobe Japan. Preserving sweetened condensed milk. 1,961,551; June 5.
- Chicago Belting Company. (See Ball, Charles A., assignor.)
- Chicago Bridge and Iron Company. (See Bailey, Otterbein A., assignor.)
- Chicago Bridge & Iron Company. (See Boardman, Harry C., assignor.)
- Chicago Bridge & Iron Company. (See Daniels, Edwin G., assignor.)

- Chicago Bridge & Iron Company. (See Daniels, E. G., and Wurst, assignors.)
- Chicago Bridge & Iron Company. (See Goldsby, Fred L., assignor.)
- Chicago Bridge & Iron Company. (See Horton, George T., assignor.)
- Chicago Bridge & Iron Company. (See Mummert, John F., assignor.)
- Chicago Bridge & Iron Company. (See Williams, Djalma D., assignor.)
- Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)
- Chicago Carton Company. (See Coy, Don W., assignor.)
- Chicago Carton Company. (See Wallbank, Wilbur C., assignor.)
- Chicago Curled Hair Company. (See Mudd, Garrett W., assignor.)
- Chicago Electric Manufacturing Co. (See Barnes, J. F., and Reinecke, assignors.)
- Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)
- Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)
- Chicago Faucet Company. (See Steen, Harry S., assignor.)
- Chicago Faucet Company. (See Wright, Leo L., assignor.)
- Chicago Fire Brick Company. (See Lanyon, Samuel H., assignor.)
- Chicago Flexible Shaft Company. (See Bisley, William F., assignor.)
- Chicago Flexible Shaft Company. (See Browning, George, assignor.)
- Chicago Flexible Shaft Company. (See Fukal, Alfred F., assignor.)
- Chicago Flexible Shaft Company. (See Jeppsson, Ivar, assignor.)
- Chicago Flexible Shaft Company. (See LaChance, Leander H., assignor.)
- Chicago Flexible Shaft Company. (See McArdle, Michael W., assignor.)
- Chicago Flexible Shaft Company. (See Wright, Horace C., assignor.)
- Chicago Hydraulic Oil Co. (See Robinson, John B., assignor.)
- Chicago Lock Company. (See Shinn, Lyle B., assignor.)
- Chicago Lock Company. (See Shinn, William C., assignor.)
- Chicago Mill and Lumber Company. (See Watkins, James R., assignor.)
- Chicago Pneumatic Tool Company. (See Byer, Henry E., assignor.)
- Chicago Pneumatic Tool Company. (See Collins, Anthony H., assignor.)
- Chicago Pneumatic Tool Company. (See Collins, Lester L., assignor.)
- Chicago Pneumatic Tool Company. (See Lindsay, George L., assignor.)
- Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)
- Chicago Pneumatic Tool Company. (See Nell, Gustave M., assignor.)
- Chicago Pneumatic Tool Company. (See Olson, John, assignor.)
- Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
- Chicago Pneumatic Tool Company. (See Reed, Melvin C., assignor.)
- Chicago Pneumatic Tool Company. (See Scott, George, assignor.)
- Chicago Pneumatic Tool Co. (See Stevens, Edward W., assignor.)
- Chicago Pneumatic Tool Company. (See Terrill, Franklin E., assignor.)
- Chicago Pneumatic Tool Company. (See Wasson, Harry C., assignor.)
- Chicago Printed String Co. (See Weiner, Charles, assignor.)
- Chicago Pump Company. (See Durdin, Augustus C., jr., assignor.)
- Chicago Pump Company. (See Durdin, Augustus C., 3rd, assignor.)
- Chicago Pump Company. (See Thom, George L., assignor.)
- Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
- Chicago Railway Equipment Company. (See McConkey, Thomas C., assignor.)
- Chicago Railway Equipment Company. (See Mohun, John L., assignor.)
- Chicago Railway Equipment Company. (See Trachsel, Louis S., assignor.)
- Chicago Rawhide Manufacturing Company, The. (See Clark, Harold A., assignor.)
- Chicago Rawhide Manufacturing Company. (See Johnson, Harold E., assignor.)
- Chicago Rawhide Manufacturing Company. (See Olson, Clarence T., assignor.)
- Chicago Rawhide Manufacturing Company. (See Vedovell, Rudolph J., assignor.)
- Chicago Roller Skate Company. (See Ware, Robert R., assignor.)
- Chicago Steel Foundry Co. (See Evans, David, assignor.)
- Chicago Telephone Supply Company. (See Pearson, George, assignor.)
- Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
- Chicago Television & Research Laboratories, Inc. (See Skala, Ljubomir W., assignor.)
- Chicago Transformer Corporation. (See Helgason, A., and Leidy, assignors.)
- Chicago, University of. (See Koch, F. C., McGee, and Gallagher, assignors.)
- Chick, Leslie A., Blairsville, Pa. Vault. 1,957,696; May 8.
- Chicoine, Louis, assignor of one half to E. McDonald, Wilton, Maine. Collapsible paste tube. 1,969,395; Aug. 7.
- Chicon, John V., Ambridge, Pa. Hardening or tempering of copper. 1,981,718; Nov. 20.
- Chicopee Manufacturing Corporation. (See McCormick, Edward A., assignor.)
- Chiego, Bernard J. G., Newark, N. J. Preparing food products. 1,947,520; Feb. 20.
- Chiera, Albert, Brooklyn, assignor of five per cent to G. Slaff and M. G. Sass, New York, under the firm name of Slaff and Sass; ten per cent to M. Joffe, Brooklyn; five per cent to M. G. Sass, S. Slaff, and G. Slaff, under the firm name of Slaff & Sass, New York, and ten per cent to I. Ginsberg, Mount Vernon, N. Y. Production of white light. 1,966,059; July 10.
- Chiera, Giorgio, Turin, Italy, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Production of leather. 1,974,861; Sept. 25.
- Chiffey, Edward. (See Thompson, H. A., and Chiffey.)
- Chiger, Siegmund, Berlin, Germany, assignor to firm G. Z. M. Patentverwertungs Aktiengesellschaft, Glarus, Switzerland. Apparatus for receiving, issuing, and counting bank notes. 1,953,073; Apr. 3.
- Chiger, Siegmund, Berlin, Germany, assignor to the firm G. Z. M. Patentverwertung Aktiengesellschaft, Glarus, Switzerland. Coin counting and collecting means. 1,978,187; Oct. 23.
- Chiksan Oil Tool Company. (See Hamer, Leland S., assignor.)
- Child, Edward R., Tonawanda, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Slot and flap combination. 1,976,482; Oct. 9.
- Child, Lachlan W. (See Riebel, F., jr., and Child.)
- Child, Lachlan W., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Air conditioner. 1,972,088; Sept. 4.
- Child, Lachlan W., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Portable heater. 1,978,413; Oct. 30.
- Child, William C., Roselle, and G. A. Beiswenger, Elizabeth, N. J., assignors to Standard Oil Development Company. Method and apparatus for filtering hydrocarbon oils. 1,943,811; Jan. 16.
- Child, William C., Roselle, and G. A. Beiswenger, Elizabeth, N. J., assignors to Standard Oil Development Company. Method and apparatus for counter-current treating. 1,951,787; Mar. 20.
- Childres, Beler F. (See Shuford, G. W., Childres, and Christian.)
- Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Sealing device. 1,974,913; Sept. 25.
- Childs, Henry W., Kaiapoi, New Zealand. Connecting clamp for wires and cables. 1,975,683; Oct. 2.
- Chile Exploration Company. (See Holderer, George B., assignor.)
- Chile Exploration Company. (See Hulme, P. M., and Banz, assignors.)
- Chiles, George S., Ashtabula, Ohio, assignor to Scullin Steel Company, St. Louis, Mo. Truck bolster. 1,971,768; Aug. 28.
- Chillas, Richard B., jr., assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractional distillation. 1,978,414; Oct. 30.
- Chillicothe Paper Company, The. (See McVicker, H., and Bearce, assignors.)
- Chillingworth Manufacturing Company. (See Madison, John O., assignor.)
- Chillingworth, Rudolph, Brooklyn, N. Y. Automatically adjustable wings and blades for helicopter and propeller screws. 1,954,862; Apr. 17.
- Chilowsky, Constantin, Paris, France. Gasifying of heavy oils through partial combustion. 1,966,610; July 17.
- Chilowsky, Constantin, Paris, and P. Breton, Bellevue, France. Manufacture of diaphragm adapted for use in physical or like apparatus. 1,945,933; Feb. 6.
- Chilson, Le Roy, assignor to Taylor Instrument Companies, Rochester, N. Y. Dropper. 1,963,886; June 19.
- Chilson, Samuel, Brooklyn, N. Y. Safety guard. 1,973,465; Sept. 11.
- Chilton, Alfred H., London, assignor to J. Stone & Company Limited, Deptford, England. Electromagnetic regulating apparatus. 1,963,825; June 19.
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Shackle. 1,945,595; Feb. 6.
- Chilton, Roland, Ridgewood, N. J. Landing sight for airplanes. 1,963,826; June 19.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Flange connection. 1,944,219; Jan. 23.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Radio shield for engines. 1,945,021; Jan. 30.

- Chilton, Roland, Ridgewood, assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical mechanism. 1,949,367; Feb. 27.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Two-cycle engine. 1,950,970; Mar. 13.
- Chilton, Roland, Ridgewood, assignor to Wright Aeronautical Corporation, Paterson, N. J. Reduction gear. 1,950,971; Mar. 13.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Valve gear. 1,958,264; May 8.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Valve spring mechanism. 1,974,802; Sept. 25.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Venting of crank cases. 1,974,803; Sept. 25.
- Chilton, Roland, Ridgewood, assignor to Wright Aeronautical Corporation, Paterson, N. J. Crank case venting system. 1,974,804; Sept. 25.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Compensated valve gear. 1,976,483; Oct. 9.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Torsional vibration damper. 1,980,185; Nov. 13.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,952,839; Mar. 27.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,958,657; May 15.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 1,970,885; Aug. 21.
- China, Douglas E., assignor to Sunshine Peelers, Inc., Miami, Fla. Orange parer. 1,956,492; Apr. 24.
- Chinn, Howard T., Atascadero, Calif. Utility holder for seamstresses. Des. 92,522; June 19.
- Chinoln Gyogyszer Es Vegyeszeti Termekek Gyara R. T./Dr. Kereszti & Dr. Wolf. (See Wolf, Emil, assignor.)
- Chireix, Henri, Paris, France. Apparatus for radiocommunication. 1,946,308; Feb. 6.
- Chireix, Henri, assignor to Compagnie Generale de Telegraphie, Paris, France. Signaling. 1,946,274; Feb. 6.
- Chireix, Henri, assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Frequency control means. 1,952,701; Mar. 27.
- Chivila, Leonie D., South Bend, Ind. Nostril dilator. 1,950,839; Mar. 13.
- Chiritescu, Steve. (See Stampfli, L. T., and Chiritescu.)
- Chiroi, Maurice, Paris, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Seine, France. Multiple tariff metering system. 1,957,010; May 1.
- Chisholm, Clifton, Cleveland, Ohio, assignor, by mesne assignments, to Multigraph Company, Wilmington, Del. Apparatus for printing. 1,976,714; Oct. 16.
- Chisholm, Clifton, Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. System of printing. 1,976,715; Oct. 16.
- Chisholm, Gertrude T., et al. (See Blanchard, Hermon A., assignor.)
- Chisholm, H. D., et al. (See Blanchard, Hermon A., assignor.)
- Chisholm-Ryder Company. (See Goffin, John, assignor.)
- Chisolm, Theodore R., Detroit, Mich. Cloth display stand. 1,983,167; Dec. 4.
- Chittenden, Fayette D., assignor to Revere Rubber Company, Providence, R. I. Making hard rubber dust and the product thereof. 1,967,809; July 24.
- Chittenden, Fayette D., Nutley, N. J., assignor to Rubber Regenerating Company, Naugatuck, Conn. Reclaiming rubber. 1,976,327; Oct. 9.
- Chittenden, John P. (See Law, A. H., and Chittenden.)
- Chitwood, Joseph H., Anacortes, Wash. Combined window screen and awning. 1,977,114; Oct. 16.
- Chizmar, Andrew, Hartford, Conn. Air cleaning and humidifying device. 1,948,097; Feb. 20.
- Chlebowski, Teofil, Brooklyn, N. Y. Boat for ice, snow, and water travel. 1,959,523; May 22.
- Chlorox Chemical Co. (See Fullmer, Theodore E., assignor.)
- Chmurzynski, Julius. (See Brykczynski, C., and Chmurzynski.)
- Choate, Fred C., Greenville, Mich. Horticultural marking device. 1,984,395; Dec. 18.
- Choate, Matthew F. S., Manchester, S. Coffey, Huddersfield, and C. R. Henshaw, Manchester, England, assignors to Imperial Chemical Industries Limited. Sulfonation of aromatic amines. 1,961,196; June 5.
- Choate, Roy, Wichita, Kans. Pliers. 1,983,519; Dec. 11.
- Chojnacki, Roman E., Milwaukee, Wis. Safety razor. 1,954,118; Apr. 10.
- Chong, Jue L. (See Miller, T. S., and Chong.)
- Chong, Look L. (See Miller, T. S., and Chong.)
- Chong, Look L., Isleton, Calif. Self-cleaning device for adjustment screws. 1,946,931; Feb. 13.
- Chong, Sam L. (See Miller, T. S., and Chong.)
- Chorlton, Frank O. L., Bury, England. Vacuum sealing machine for bottles, cans, and the like. 1,944,967; Jan. 30.
- Chorvath, Vladimir, Chicago, Ill. Internal combustion engine. 1,968,671; July 31.
- Chretien, Henri, St.-Cloud, France, assignor, by mesne assignments, to Libbey Cataphote Corporation, Toledo, Ohio. Autocollimating reflector and application to optical signaling and night advertising. Re19,070; Feb. 6.
- Chretien, Henri, Saint Cloud, assignor to Societe Technique d'Optique et de Photographie, Saint-Ouen, Seine, France. Anamorphic lens system and making the same. 1,962,892; June 12.
- Christ, Charles C., Lyndhurst, N. J. Lubricated oil injector. 1,945,678; Feb. 6.
- Christ, John, Baton Rouge, La., assignor to Standard-I. G. Company. Controlling temperature in hydrogenation reactors. 1,951,725; Mar. 20.
- Christ, Joseph P. (See Reiss, A., and Christ.)
- Christ, Paul, New York, N. Y. Electric plug connection and terminal box. 1,977,043; Oct. 16.
- Christ, Wilhelm. (See Laska, L., Zitscher, Christ, and Petzold.)
- Christen, Albert, Hastings, assignor to Consolidated Shipbuilding Corporation, New York, N. Y. Device for indicating direction of rotation of propeller. 1,947,332; Feb. 13.
- Christen, Victor H., Detroit, Mich. Windshield wiper clip. 1,943,652; Jan. 16.
- Christensen, Alfred C. (See Rapp, A. C. J., and Christensen.)
- Christensen, Andreas, Rhinelander, Wis., assignor to Fibre Making Processes, Inc., Chicago, Ill. Sulphite pulp digester system. 1,942,685; Jan. 9.
- Christensen, Andreas, Rhinelander, Wis., assignor to Fibre Making Processes, Inc., Chicago, Ill. Digester system. 1,943,289; Jan. 16.
- Christensen, Carl J. (See Goucher, F. S., and Christensen.)
- Christensen, Carl W., and V. Conquest, assignors to Armour and Company, Chicago, Ill. Food product. 1,958,295; May 8.
- Christensen, Charles, Copenhagen, Denmark. Display stand for merchandise. 1,959,778; May 22.
- Christensen, Christen, and A. G. Steinmayer, assignors to Electrical Engineers Equipment Co., Chicago, Ill. Switch. 1,979,824; Nov. 6.
- Christensen, Eugene H., Seattle, Wash. Automobile doorlock. 1,960,410; May 29.
- Christensen, Everett F., Pittsfield, Mass., assignor to General Electric Company. Electric furnace system. 1,956,412; Apr. 24.
- Christensen, Godfrey, Oakland, Calif. Apparatus for removing milk and cream from cans. 1,958,846; May 15.
- Christensen, Howard H., San Antonio, Tex. Water heater. 1,953,213; Apr. 3.
- Christensen, Magnus. (See Hodge, J. C., and Christensen.)
- Christensen, Niels A., Cleveland, Ohio. Vehicle brake mechanism. 1,944,921; Jan. 30.
- Christensen, Norman V., and F. F. Zeier, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,947,380; Feb. 13.
- Christensen, Norman V., and F. F. Zeier, assignors to Union Special Machine Company, Chicago, Ill. Chain stitch sewing machine. 1,952,534; Mar. 27.
- Christensen, Norman V., Chicago, H. J. Le Vesconte, Western Springs, and C. F. Rubel, assignors to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,952,535; Mar. 27.
- Christensen, Norman V., Chicago, and H. J. Le Vesconte, Western Springs, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,973,608; Sept. 11.
- Christensen, Richard M., New York, N. Y. Warp strand guide for weaving machines. 1,955,905; Apr. 24.
- Christensen, William. (See Court, F. T., Christensen, and Johnson.)
- Christenson, George, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Brake shoe assembly. 1,975,713; Oct. 2.
- Christenson, Oscar, Baltimore, Md. Device for producing sound. 1,963,075; June 19.
- Christopher, Edward M., et al. (See Brown, Tony A., assignor.)
- Christopher, William, et al. (See Brown, Tony A., assignor.)
- Christesen, Charles J., assignor to I. H. Vogel, New York, N. Y. Sweeper. 1,972,870; Sept. 11.
- Christian, Claude and L. M., Atlanta, Ga. Fluid motor. 1,965,488; July 3.
- Christin, David A. (See Patterson, W. G., Christian, and Grinstead.)
- Christian, David A., Charlton, London, assignor to Siemens Brothers & Company Limited, London, England. Telephone system. 1,956,371; Apr. 24.
- Christian, Frank. (See Shuford, G. W., Childres, and Christian.)
- Christian, Frank T., assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism. 1,942,591; Jan. 9.
- Christian, James. (See Thomas, Gershom E., assignor.)
- Christian, Lorin M. (See Christian, Claude and L. M.)
- Christiansen, Christian, Fargo, N. Dak. Hay crushing machine. 1,958,910; May 15.
- Christiansen, Christian, Oslo, and G. O. K. Ruesch, Mandal, Norway. Rope construction. 1,975,923; Oct. 9.

- Christiansen, Christian B., Brooklyn, N. Y., assignor to Merritt-Chapman and Scott Corporation. Mechanism for building submerged structures. 1,946,389; Feb. 6.
- Christiansen, Christian B., Brooklyn, N. Y., assignor to Merritt-Chapman and Scott Corporation. Portable sawing mechanism and method of use. 1,946,390; Feb. 6.
- Christiansen, Einar, Birmingham, England. Variable speed friction gear. 1,971,129; Aug. 21.
- Christiansen, Heinrich, Pinneberg, Germany. Tamping device for railway sleepers. 1,959,458; May 22.
- Christiansen, Walter G. (See Harris, S. E., and Christiansen.)
- Christiansen, Walter G., Bloomfield, N. J., and A. E. Jurist, assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Antimony derivative of sulpharsphenamine. 1,954,615; Apr. 10.
- Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Mercurated isatin derivatives. 1,954,619; Apr. 10.
- Christiansen, Walter G., Glen Ridge, N. J., and A. E. Jurist, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Hypnotic preparation. 1,958,609; May 15.
- Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Isatin derivative. 1,966,788; July 17.
- Christiansen, Walter G., Glen Ridge, N. J., and A. W. Harvey, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. 3-carboxy-4-alkoxy-diphenyl and salts thereof. 1,969,354; Aug. 7.
- Christiansen, Walter G., Glen Ridge, N. J., and A. W. Harvey, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. 3-carboxy-4-alkoxy-4-nitro-diphenyl. 1,969,355; Aug. 7.
- Christiansen, Walter G., Glen Ridge, N. J., and A. W. Harvey, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Alkoxy-3-carboxy-diphenyl. 1,969,356; Aug. 7.
- Christiansen, Walter G., Glen Ridge, N. J., and A. W. Harvey, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Amino derivatives of carboxy-alkoxy diphenyls. 1,969,357; Aug. 7.
- Christiansen, Walter G., Bloomfield, and R. Van Winkle, Passaic, N. J., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Bromine substituted allylester of 2-phenylquinoline-4-carboxylic acid. 1,971,393; Aug. 28.
- Christiansen, Walter G., Bloomfield, and R. Van Winkle, Passaic, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Purification of ether. 1,971,930; Aug. 28.
- Christiansen, Walter G., Glen Ridge, N. J., A. E. Jurist, Brooklyn, and E. Moness, Far Rockaway, assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Colloidal metallic bismuth and preparing, packaging, and using it. 1,976,920; Oct. 16.
- Christiansen, Walter G., and W. Braker, assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Dialkyl-amino-alkylesters of dialkyl-amino-alkoxy-3-carboxy-diphenyl. 1,976,921; Oct. 16.
- Christiansen, Walter G., Brooklyn, N. Y., and A. W. Harvey, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Dialkyl-amino-alkylesters of hydroxy-3-carboxy diphenyls. 1,976,922; Oct. 16.
- Christiansen, Walter G., Glen Ridge, N. J., and A. W. Harvey, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Amino-alkyl-esters of the carboxy-alkoxy-amino-diphenyls. 1,976,923; Oct. 16.
- Christiansen, Walter G., Glen Ridge, N. J., and A. W. Harvey, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Dialkyl-amino-alkyl-esters of alkoxy-carboxy-diphenyls. 1,976,924; Oct. 16.
- Christiansen, Walter G., Glen Ridge, N. J., and E. Moness, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Mercurated hydroxy aryl sulphides. 1,984,174; Dec. 11.
- Christianson, Andrew, Butler, Pa., assignor, by mesne assignments, to Standard Steel Car Corporation of Delaware. Car door. 1,959,705; May 22.
- Christianson, Andrew, Butler, Pa. Furnace stoker. 1,982,372; Nov. 27.
- Christianson, Andrew, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Steel Car Corporation of Delaware. Railway truck. 1,962,893; June 12.
- Christianson, Andrew, and H. T. Anderson, Butler, Pa., assignors, by mesne assignments, to Standard Steel Car Corporation of Delaware. Car door. 1,959,706; May 22.
- Christianson, Oliver A., and F. A. Naramore, Seattle, Wash. Stool holding attachment for tables. 1,973,866; Sept. 18.
- Christie, Bernard A., Birmingham, M. E. Guermont, Hampstead, and J. M. Taylor, Poultry, London, England. Pasteurizing or sterilizing plant. 1,977,044; Oct. 16.
- Christie, Charles B., Wichita Falls, Tex. Cleaner. 1,983,600; Dec. 11.
- Christie, Howard E., and K. W. Couse, Bronx, N. Y. Producing hydrometer floats. 1,958,468; May 15.
- Christie, John, and A. Donkin, Sunderland, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switchgear. 1,985,653; Dec. 25.
- Christie, Lindsay R. (See Bradley, J. R., and Christie.)
- Christie, Walter, East Orange, assignor to C. R. Lord and C. Farris, Newark, N. J. Dual wheel. 1,980,849; Nov. 13.
- Christin, Pierre, Paris, France, assignor to Chemical Engineering Corporation, New York, N. Y. Purifying gases for ammonia synthesis. 1,951,819; Mar. 20.
- Christina, Vincent, Bayside, assignor to Intravenous Products Co. of America, Inc., New York, N. Y. Manufacture of therapeutic calcium preparations. 1,933,344; Dec. 4.
- Christman, John M., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Painting instrument. 1,945,730; Feb. 6.
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Spring cover. 1,946,391; Feb. 6.
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Tool holder. 1,948,698; Feb. 27.
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,953,214; Apr. 3.
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Lathe tool. 1,955,357; Apr. 17.
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Injection device testing machine. 1,962,174; June 12.
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,980,382; Nov. 13.
- Christman, John M., Detroit, Mich., assignor, by mesne assignments, to Ajax Spring Stabilizer Company, Chicago, Ill. Method of and machine for applying metal spring covers. 1,981,090; Nov. 20.
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Stripping. 1,983,792; Dec. 11.
- Christman, Matthias, Springfield, Mo. Wheel hub plate. 1,944,782; Jan. 23.
- Christman, Peter J., assignor to Paper Converting Machine Co., Inc., Green Bay, Wis. Sheet-folding machine. 1,974,149; Sept. 18.
- Christman, William T., Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Coffee percolator. Des. 91,265; Jan. 2.
- Christman, William T., Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Tea kettle. Des. 91,350; Jan. 16.
- Christman, William T., Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Combined cooking kettle and cover therefor. Des. 91,351; Jan. 16.
- Christman, William T., Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Combined cooking pan and cover therefor. Des. 91,352; Jan. 16.
- Christman, William T., Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Saucepan. Des. 92,880; July 31.
- Christman, William T., Mount Lebanon, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Cooking utensil. 1,980,383; Nov. 13.
- Christman, William T., and H. Dean, McKees Rocks, Pa., assignors to The Carbundum Company, Niagara Falls, N. Y. Enameling apparatus. 1,962,635; June 12.
- Christmann, Friedrich. (See Pler, M., and Christmann.)
- Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Flotation of oxidized ores. 1,952,907; Mar. 27.
- Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Flotation process and reagent. 1,960,526; May 29.
- Christmann, Ludwig J., Jersey City, and C. J. Romieux, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Aliphatic acid anti-oxidants. 1,958,469; May 15.
- Christmann, Ludwig J., Jersey City, and D. W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Flotation of ores. 1,970,508; Aug. 14.
- Christmas, Burton, Pittsburgh, Pa. Lamp and automobile headlight. 1,974,388; Sept. 18.
- Christmas, Burton, Thornburg, Pa. Lamp. 1,974,982; Sept. 25.
- Christmas, John K. (See Knox, Harry A., assignor.)
- Christoff, Kosto D. (See Wheeler, Fred C., assignor.)
- Christoffersen, Otto, Herman, Nebr. Strap fastener. 1,958,911; May 15.
- Christoffersen, Otto, Herman, Nebr. Post clamp. 1,959,230; May 15.
- Christoffersen, Vilgo, American Falls, Idaho. Portable irrigation headgate and dam. 1,968,743; July 31.
- Christofferson, Charles, assignor to Universal Air Filter Corporation, Duluth, Minn. Air filter. 1,982,639; Dec. 4.
- Christoph, George W., East Windsor, Conn. Combustion chamber. 1,958,265; May 8.
- Christophel, Lewis W. (See Austin, George C., assignor.)
- Christopher, Benjamin H., Jr., Pine Bluff, Ark., assignor of one-half to H. S. and W. S. Henning, New Orleans, La. Continuous outlet. 1,955,531; Apr. 17.
- Christopher, Edward F., assignor to Industrial Patents Corporation, Chicago, Ill. Adhesive and making same. 1,962,763; June 12.
- Christopher, Edward F., and F. L. De Beukelaer, assignors to Swift & Company, Chicago, Ill. Preparation of glue and the product thereof. 1,950,483; Mar. 13.
- Christopher, Frank E., Morgantown, W. Va. Crusher. 1,955,946; Apr. 24.
- Christopherson, Calmer E., assignor of one-half to E. L. Bass, Chicago, Ill. Snowplow. 1,977,871; Oct. 23.

- Christopherson, William G., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Connector. 1,967,866; July 24.
- Chrysler, Chester E., Chatham, Ontario, Canada. Queen bee excluder. 1,982,419; Nov. 27.
- Chrysler Corporation. (See Ball, Frederick O. and T. M., assignors.)
- Chrysler Corporation. (See Breer, V., and Cousino, assignors.)
- Chrysler Corporation. (See Calkins, William G., assignor.)
- Chrysler Corporation. (See Calkins, W. G., and Langhammer, assignors.)
- Chrysler Corporation. (See Cochran, Walter S., assignor.)
- Chrysler Corporation. (See Cousino, Walter P., assignor.)
- Chrysler Corporation. (See Fromm, Harry E., assignor.)
- Chrysler Corporation. (See Hann, William E., assignor.)
- Chrysler Corporation. (See Henderson, Herbert V., assignor.)
- Chrysler Corporation. (See Herreshoff, Alexander G., assignor.)
- Chrysler Corporation. (See Hughes, James W., assignor.)
- Chrysler Corporation. (See Humphrey, C. L., and Lee, assignors.)
- Chrysler Corporation. (See Janeway, Robert N., assignor.)
- Chrysler Corporation. (See Kotcher, Albert J., assignor.)
- Chrysler Corporation. (See Langhammer, Anthony J., assignor.)
- Chrysler Corporation. (See Lee, Roger K., assignor.)
- Chrysler Corporation. (See Lee, R. K., and Humphrey, assignors.)
- Chrysler Corporation. (See Langhammer, Anthony J., assignor.)
- Chrysler Corporation. (See McCleary, F. E., Babo, and Rayner, assignors.)
- Chrysler Corporation. (See McCortney, W. J., and Bailey, assignors.)
- Chrysler Corporation. (See Miller, C. W., and Goode.)
- Chrysler Corporation. (See Mulhern, William A.)
- Chrysler Corporation. (See Roualet, Andre J. E., assignor.)
- Chrysler Corporation. (See Ryan, Frank P., assignor.)
- Chrysler Corporation. (See Selje, Frederick A.)
- Chrysler Corporation. (See Sinclair, A. J., and Maynard, assignors.)
- Chrysler Corporation. (See Skelton, Owen R., assignor.)
- Chrysler Corporation. (See Wallace, David A., assignor.)
- Chrysler Corporation. (See Webb, E. F., and Sanders, assignors.)
- Chrysler Corporation. (See Zeder, Fred M., assignor.)
- Chrysler Corporation. (See Zeder, James C., assignor.)
- Chrysler Corporation. (See Zimmermann, Lukas, assignor.)
- Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Automatic lubricating system. 1,945,596; Feb. 6.
- Chryst, William A., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Centrifugal clutch and switch. 1,976,925; Oct. 16.
- Chubb, Lewis W., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmission system. 1,958,886; May 15.
- Chubb, Lewis W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company. East Pittsburgh, Pa. Remote control device. 1,971,130; Aug. 21.
- Chudner, Joseph, Brooklyn, N. Y. Presser foot for plain stitching and shirring. 1,942,203; Jan. 9.
- Chudner, Joseph, Brooklyn, N. Y. Edge trimming attachment. 1,977,505; Oct. 16.
- Church, Albert E., assignor to The Union Manufacturing Company, New Britain, Conn. Chuck actuating mechanism. 1,956,272; Apr. 24.
- Church, Albert E., New Britain, and G. C. Prime, Hartford, assignors to The Union Manufacturing Company, New Britain, Conn. Power controlling apparatus. 1,977,572; Oct. 16.
- Church, C. F., Mfg. Co. (See Campbell, Vernon W., assignor.)
- Church, C. F., Mfg. Co. (See Guild, Lurette, assignor.)
- Church, George T., and T. B. Boyd, assignors to The Fretz-Moon Tube Company, Inc., Butler, Pa. Pipe and tube blower. 1,982,590; Nov. 27.
- Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Valve actuating mechanism. 1,948,023; Feb. 20.
- Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Heavy duty automobile construction. 1,960,140; May 22.
- Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Transmission mechanism. 1,973,332; Sept. 11.
- Church, Harold D., Cleveland Heights, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lubricating arrangement. 1,969,690; Aug. 7.
- Church, Walter L., (See Clark, J. K., Pearce, and Church.)
- Church, Walter L., Houston, assignor of one-half to W. L. Pearce, Harris County, Tex. Tubing head. 1,944,545; Jan. 23.
- Church, Walter L., Houston, assignor of one-half to E. W. Pearce, Harris County, Tex. Apparatus for pumping wells. 1,974,260; Sept. 18.
- Church, Walter L., L. M. Pearce, and J. K. Clark, Houston, Tex. Outside cutting tool. 1,944,594; Jan. 23.
- Church, Warren C., Altavista, Va., assignor to The Lane Company, Inc. Garment container of the wardrobe type. 1,975,779; Oct. 9.
- Church, William W., Stratford, Conn., and W. C. Robinson, Sewickley, Pa., assignors to National Electric Products Corporation, New York, N. Y. Method and machine for coating cables. 1,944,822; Jan. 23.
- Churchill Cabinet Company. (See Gullicksen, Ole, assignor.)
- Churchill, Durand, jr. (See Young, P. L., and Churchill.)
- Churchill, Harold E. (See Roos, D. G., and Churchill.)
- Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Transmission control. 1,970,690; Aug. 21.
- Churchill, Harry V., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Ham boiler and the like. 1,946,149; Feb. 6.
- Churchill, Leonard R., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Lubricating compound and making the same. 1,974,299; Sept. 18.
- Churchill Machine Tool Company, The. (See Asbridge, Harry H., assignor.)
- Churchill, Robert L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Packaging method. 1,969,453; Aug. 7.
- Churchward, Alexander, South Orange, assignor to Wilson Welder & Metals Company, Inc., North Bergen, N. J. Welding apparatus. 1,961,197; June 5.
- Churchward, Jack, New Haven, Conn. Electrode holder. 1,973,701; Sept. 18.
- Chute, Stanley J. (See Jacobs, G. T., Krieg, and Chute.)
- Chute, Thomas J., Los Angeles, Calif. Cigarette package. 1,943,204; Jan. 9.
- Ciampi, Anthony, et al. (See Tursi, Daniel, assignor.)
- Ciba Products Corporation. (See Gams, and Frey, assignors.)
- Cibulas, Stephen E., Bridgeport, Conn. Skylight rib construction. 1,968,125; July 31.
- Ciccolella, David F., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 1,978,188; Oct. 23.
- Ciglia, Ernest F., Scarsdale, and L. F. Pelletier, East Bronx, N. Y. Carburetor. 1,943,812; Jan. 16.
- Cimarik, Charles K. (See Zimarik, L., and Cimarik.)
- Cimarik, Charles K., and L. Zimarik, Akron, Ohio, assignors to The Prosperity Company Inc., Syracuse, N. Y. Washing machine. 1,945,477; Jan. 30.
- Cimbara, Edward. (See Kassay, Martin, assignor.)
- Cinch Manufacturing Corporation. (See Kimbell, Arthur W., assignor.)
- Cinch Manufacturing Corporation. (See Knutson, Carl L., assignor.)
- Cinch Manufacturing Corporation. (See Roby, William G., assignor.)
- Cincinnati Advertising Products Company, The. (See Mattman, Gustave F., assignor.)
- Cincinnati Advertising Products Company, The. (See Wilkinson, Jay S., assignor.)
- Cincinnati Ball Crank Company, The. (See Bailey, Louis C., assignor.)
- Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)
- Cincinnati Ball Crank Company, The. (See Harris, Cleo, assignor.)
- Cincinnati Ball Crank Company, The. (See Munday, Richard B., assignor.)
- Cincinnati Bickford Tool Company. (See Klausmeyer, David C., assignor.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, D. C., and Rickwood, assignors.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, D. C., and Sosa, assignors.)
- Cincinnati Bickford Tool Company. (See Schauer, Lawrence L., assignor.)
- Cincinnati Bickford Tool Company, The. (See Schauer, L. L., and Sosa, assignors.)
- Cincinnati Bickford Tool Company, The. (See Sosa, Augustus M., assignor.)
- Cincinnati Car Corporation, The. (See Norbom, Ragnar A., assignor.)
- Cincinnati Electrical Tool Company, The. (See Casey, Ledgeworth G., assignor.)
- Cincinnati Grinders Incorporated. (See Binns, George W., assignor.)
- Cincinnati Grinders Incorporated. (See Binns, G. W., and Booth, assignors.)
- Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)
- Cincinnati Grinders Incorporated, The. (See Caster, John E., assignor.)
- Cincinnati Grinders Incorporated. (See Caster, J. E., Theler, and Barrere, assignors.)
- Cincinnati Grinders, Incorporated. (See Dall, A. H., and Ernst, assignors.)
- Cincinnati Grinders Incorporated. (See Einstein, Sol, assignor.)
- Cincinnati Grinders Incorporated. (See Einstein, S., and Hass, assignors.)
- Cincinnati Grinders Incorporated. (See Ernst, H., and Isler.)

- Cincinnati Grinders Incorporated. (See Haas, Frederick S., assignor.)
- Cincinnati Grinders Incorporated. (See Harrison, Robert E. W., assignor.)
- Cincinnati Grinders Incorporated. (See Harrison, R. E. W., assignor, and Carbis.)
- Cincinnati Grinders, Incorporated. (See Harrison, R. E. W., and Haas, assignors.)
- Cincinnati Grinders Incorporated. (See Hopkins, Cecil W., assignor.)
- Cincinnati Grinders Incorporated. (See Isler, Herman, assignor.)
- Cincinnati Grinders Incorporated. (See Kearns, Bernard A., assignor.)
- Cincinnati Grinders Incorporated. (See Kearns, B. A., and Haas, assignors.)
- Cincinnati Grinders Incorporated. (See Peaslee, Willetts, assignor.)
- Cincinnati Grinders Incorporated. (See Purvin, Benjamin R., assignor.)
- Cincinnati Grinders Incorporated. (See Schulte, Clifford L., assignor.)
- Cincinnati Grinders Incorporated. (See Sobolewski, Edward, assignor.)
- Cincinnati Grinders Incorporated. (See Turner, Albert, assignor.)
- Cincinnati Milling Machine Company, The. (See Anderson, Gilbert V., assignor.)
- Cincinnati Milling Machine Company, The. (See Archea, Walter D., assignor.)
- Cincinnati Milling Machine Company, The. (See Binns, Henry M. S., assignor.)
- Cincinnati Milling Machine Company, The. (See De Haas, M., and Lawless, assignors.)
- Cincinnati Milling Machine Company, The. (See Ernst, H., and Dell, assignors.)
- Cincinnati Milling Machine Company, The. (See Ernst, H., and Goodrich, assignors.)
- Cincinnati Milling Machine Company, The. (See Ernst, H., and Martelotti, assignors.)
- Cincinnati Milling Machine Company, The. (See Geier, F. V., and Archea, assignors.)
- Cincinnati Milling Machine Company, The. (See Isler, H. R., and Einstein, assignors.)
- Cincinnati Milling Machine Company, The. (See Martelotti, Mario E., assignor.)
- Cincinnati Milling Machine Company, The. (See Nenninger, Lester F., assignor.)
- Cincinnati Milling Machine Company, The. (See Nenninger, L. F., and Hassman, assignors.)
- Cincinnati Milling Machine Company, The. (See Nenninger, L. F., and Sassen, assignors.)
- Cincinnati Milling Machine Company, The. (See Romaine, Millard, assignor.)
- Cincinnati Milling Machine Company, The. (See Romaine, M., and Archea, assignors.)
- Cincinnati Milling Machine Company, The. (See Romaine, M., and Roehm, assignors.)
- Cincinnati Milling Machine Company, The. (See Sassen, Bernard, assignor.)
- Cincinnati Milling Machine Company, The. (See Sassen, B., and Ernst, assignors.)
- Cincinnati Milling Machine Company, The. (See Vancil, Edgar D., assignor.)
- Cincinnati Milling Machine Company, The. (See Vancil, E. D., and Dods, assignors.)
- Cincinnati Mine Machinery Company, The. (See Stenger, E. P., and Brustle, assignors.)
- Cincinnati Shaper Company, The. (See Hazelton, R. T., and Mersch, assignors.)
- Cincinnati Time Recorder Company, The. (See Puterbaugh, Jack W., assignor.)
- Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)
- Cinder Chrome Company. (See Hede, Arvid, assignor.)
- Cinderella Washing Machine Company, The. (See Barker, Percy E., assignor.)
- Cinecolor Company of America, Inc. (See Daponte, Demetre, assignor.)
- Cinemacolor Corporation. (See Gilmore, Otto C., assignor.)
- Cinemacolor Corporation. (See Menke, Harry W., assignor.)
- Cin-Made Corporation, The. (See Harris, Robert E., assignor.)
- Ciolino, Charles N., Garfield, assignor to A. Gutierrez, Inc., Passaic, N. J. Banding cigars. 1,951,788; Mar. 20.
- Cipriano, Gandolfo, Dongan Hills, N. Y. Hat brim ironing machine. 1,959,091; May 15.
- Circle A Products Corporation. (See Leonard, Arthur L., assignor.)
- Circle F Mfg. Co. (See Petersen, Carl M., assignor.)
- Circo Products Corporation. (See Mudon, Thomas J., assignor.)
- Ciriacy, Edward, and H. Bradley, Aliquippa, Pa. Door holder. 1,944,783; Jan. 23.
- Cisneros, Arturo P., Mexico, Mexico. Marine vehicle. 1,964,452; June 26.
- Cisski, Irving. (See Warmisham, A., and Cisski.)
- Citizens National Trust and Savings Bank of Riverside, administrators, et al. (See Leaver, James H., jr., assignor.)
- Citizens Trust Company. (See Replogle, D. B., and Queen, assignors.)
- Citizens Trust Company of Toledo, Ohio. (See Replogle, Daniel B., assignor.)
- Citizens Trust Company of Toledo, Ohio. (See Replogle, D. B., and Queen, assignors.)
- Citrus Pulp Corporation. (See Lewis, George T., assignor.)
- City Auto Stamping Company, The. (See Batten, H. M., and Welcome, assignors.)
- Ciurana, Federico, et al. (See Hernandez, Paul, assignor.)
- Civkin, Victor, Cleveland, Ohio, assignor to General Electric Company. Boiler casing. Des. 91,983; Apr. 17.
- Claas, August, and W. G. Brenner, Harsewinkel, Germany. Threshing apparatus with vertical drum. 1,969,639; Aug. 7.
- Claassen, Alvin A., Chicago, Ill. Checkerwork. Re19,388; Dec. 4.
- Clachko, Josiah S., Springfield, N. Y., assignor, by mesne assignments, to American Sterilizer Company, Erie, Pa. Pedestal base operating table. 1,946,899; Feb. 13.
- Claffey, Joseph B. (See Brady, E. J., and Claffey.)
- Claghorn, Robert B., Greenfield, Mass. Reversible sulky plow. 1,966,027; July 10.
- Claire, Louis V., assignor to T. H. Tapley, Grand Rapids, Mich. Drainer. 1,953,338; Apr. 3.
- Clairon, Emily. (See Clairon, Julius C., assignor.)
- Clairon, Julius C., assignor to E. Clairon, Brooklyn, N. Y. Fishing device. 1,962,232; June 12.
- Clamps Nail Company. (See Heyser, Arthur C., assignor.)
- Clancy, Frank J., assignor of thirty-five one-hundredths to A. Gunnard and two one-hundredths to F. N. Ashton, Seattle, Wash. Package. 1,946,191; Feb. 6.
- Clanton, Harry A., Charlotte, N. C. Ornamenting objects. 1,962,480; June 12.
- Clapp, Albert L., Danvers, Mass. Agriculture. 1,962,806; June 12.
- Clapp, Albert L., Danvers, Mass. Cooking utensil. 1,985,764; Dec. 25.
- Clapp, Albert L., assignor to Paprex Fibre Co., Danvers, Mass. Composition for germinating seeds and its preparation. 1,978,102; Oct. 23.
- Clapp, James K., Auburndale, assignor to General Radio Company, Cambridge, Mass. Electric system and method. 1,944,315; Jan. 23.
- Clapp, James K., Auburndale, assignor to General Radio Company, Cambridge, Mass. Temperature control apparatus. 1,967,185; July 17.
- Clapp, James K., Auburndale, and C. E. Worthen, Boston, assignors to General Radio Company, Cambridge, Mass. Vibrator apparatus. 1,967,184; July 17.
- Clapp, Kenneth S., Cleveland, Ohio. Automobile jack. 1,942,276; Jan. 2.
- Clapp, Kenneth S., Cleveland, Ohio. Chock. 1,966,975; July 17.
- Clapp, Kenneth S., Cleveland, Ohio. Automatic chock for vehicle lifts. 1,978,622; Oct. 30.
- Clapp, Kenneth S., Cleveland, Ohio. Method and apparatus for recovery of condensates. 1,979,451; Nov. 6.
- Clapp, Lawrence R., Woodbury, and R. O. Farmer, Seymour, Conn., assignors to Rolling Process, Inc., New York, N. Y. Treating metals. 1,955,576; Apr. 17.
- Clapp, Roger H., New York, N. Y. Freight container. 1,973,372; Sept. 11.
- Clapper, Bryan J., assignor of one-half to R. F. Weatherhead, Tabor, Iowa. Nozzle. 1,970,546; Aug. 21.
- Clapper, John S., Minneapolis, Minn. Mowing and trimming machine. 1,953,394; Apr. 3.
- Clapper, John S., Minneapolis, Minn. Lawn mower. 1,955,174; Apr. 17.
- Clapper, John S., assignor to Toro Manufacturing Company, Minneapolis, Minn. Transporting truck for power mowers. 1,983,599; Dec. 11.
- Clarage Fan Company. (See Downs, Sewell H., assignor.)
- Clare, Francis, London, England. Greasing pump or grease gun. 1,972,619; Sept. 4.
- Clariana, Antonio L., Valldemosa, Balearic Islands, Spain. Electrolytic process for the manufacture of chemical compounds. 1,970,076; Aug. 14.
- Clarín, Warner E., Chicago, Ill., assignor to Acme Chair Company, Reading, Pa. Folding chair. 1,943,058; Jan. 9.
- Clark, Albert R., assignor to The De Vilbiss Company, Toledo, Ohio. Indirect exhaust system. 1,942,048; Jan. 2.
- Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 1,968,873; Aug. 7.
- Clark, Alva B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Signal transmitting system. 1,953,152; Apr. 3.
- Clark, Augustus M., assignor to Whitall Tatum Company, Millville, N. J. Bottle or similar article. Des. 91,704; Mar. 13.
- Clark, Augustus M., assignor to Whitall Tatum Company, Millville, N. J. Bottle or similar article. Des. 92,338; May 29.
- Clark, Burt J. (See Heidbrink, J. A., and Clark.)
- Clark, Byron S., and J. W. Lowell, assignors, by mesne assignments, to Benedict Stone Products Company, Chicago, Ill. Apparatus for making concrete objects. 1,984,863; Dec. 18.
- Clark, Caroline M., executrix. (See Clark, Frank R.)
- Clark, Carroll W., Providence, R. I. Switch for a signaling device. 1,961,844; June 5.
- Clark, Charles, assignor of one-third to A. H. Raynor, Huntington, W. Va. Material kicking machine. 1,979,530; Nov. 6.

- Clark, Charles A., Springfield, Mo. Artificial bait. 1,981,091; Nov. 20.
- Clark, Charles W., Denver, Colo., and R. Rupert, Kansas City, Mo., assignors to The Electric Alarm Co., Inc., Denver, Colo. Theft alarm for automobiles. 1,983,932; Dec. 11.
- Clark, Chester L., Lonsdale, R. I. Traffic mirror. 1,962,807; June 12.
- Clark, Clarence. (See Botts, Corliss E., assignor.)
- Clark Controller Company, The. (See Deans, William, assignor.)
- Clark, David M., assignor to E. T. Esty and J. A. Crotty, Worcester, Mass. Yarn-changing mechanism for knitting machines. 1,964,662; June 26.
- Clark, Donald E., Ashland, Ohio. Stopper for bottles and the like. 1,951,924; Mar. 20.
- Clark, Douglas C. (See Duell, C. H., Brisbane, and Clarke.)
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dual temperature regulator. 1,985,018; Dec. 18.
- Clark, Earl W. (See Clark, Emerson L. and E. W.)
- Clark, Earl W., Warren, Ohio, assignor, by mesne assignments, to National Manufacturing Company, Sterling, Ill. Sliding door construction. 1,948,065; Feb. 20.
- Clark, Earl W., Warren, Ohio, assignor, by mesne assignments, to National Manufacturing Company, Sterling, Ill. Sliding door construction. 1,954,987; Apr. 17.
- Clark, Earl W., Warren, Ohio, assignor, by mesne assignments, to National Manufacturing Company, Sterling, Ill. Sliding door construction. 1,956,372; Apr. 24.
- Clark, Earl W., East Lynn, and E. Gilbertson, Lynn, Mass., assignors to General Electric Company. Temperature compensation for electrical devices. 1,947,187; Feb. 13.
- Clark, Edgar M., Belle Haven, Greenwich, Conn., assignor to Standard-I. G. Company. Improvement of illuminating oils. 1,960,203; May 22.
- Clark, Edward E., assignor to B. B. Weldon, Kansas City, Mo. Automobile body and fender jack. 1,971,975; Aug. 28.
- Clark, Edward H., Reading, assignor to American Rubber Company, East Cambridge, Mass. Footwear assembling conveyor. 1,953,215; Apr. 3.
- Clark, Edward O., Chillicothe, Mo. Combination tool. 1,971,974; Aug. 28.
- Clark, Edward S., and H. L. Andrus, Kalamazoo, Mich. Machine for making curbs and gutters. 1,985,220; Dec. 18.
- Clark, Emerson L. and E. W., Hartford, Ohio. Heating and rolling steel in an inert gas inclosure. 1,968,442; July 31.
- Clark, Emerson L. and E. W., Hartford, Ohio. Heating metal for rolling. 1,968,443; July 31.
- Clark Equipment Company. (See Habicht, Frank, assignor.)
- Clark Equipment Company. (See Lapsley, Robert, assignor.)
- Clark Equipment Company. (See Mogford, E. C., and Spatta, assignors.)
- Clark Equipment Company. (See Spatta, George, assignor.)
- Clark Equipment Corporation. (See Burger, Frederick W., assignor.)
- Clark, Ernest, Abington, assignor to Abington Textile Machinery Works, Boston, Mass. Card stripping mechanism. 1,975,741; Oct. 2.
- Clark, Everett E. (See Winters, H. J., and Clark.)
- Clark, Frances H. (See Dirkes, R. F., and Clark.)
- Clark, Francis R., assignor to Package Machinery Company, Springfield, Mass. Making hermetically sealed packages. 1,946,569; Feb. 13.
- Clark, Francis R., assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,968,190; July 31.
- Clark, Frank E., Bridgeport, Conn. Interlocking brick-block construction. 1,947,188; Feb. 13.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Composition for dielectric use. 1,944,730; Jan. 23.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 1,964,684; June 26.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric for electrical devices. 1,966,162; July 10.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electric device and dielectric material therefor. 1,966,163; July 10.
- Clark, Frank M., and R. A. Ruscetta, Pittsfield, Mass., assignors to General Electric Company. Electrical apparatus and dielectric material therefor. 1,952,158; Mar. 27.
- Clark, Frank R., deceased, Cincinnati, Ohio; C. M. Clark, executrix. Display sign construction. 1,955,947; Apr. 24.
- Clark, Frank W., assignor to Sanford Mills, Sanford, Maine. Carpet material. 1,947,152; Feb. 13.
- Clark, Fred O., Ridgewood, N. J. Drafting board. 1,968,744; July 31.
- Clark, Frederick J., assignor to Eastman Machine Company, Buffalo, N. Y. Knife moistening appliance for fabric cutting machines. 1,958,912; May 15.
- Clark, George F., Whitney, Nebr. Fence post. 1,981,447; Nov. 20.
- Clark, George F., West Drayton, England, assignor to Victor Talking Machine Company. Stopping device for talking machines. 1,956,708; May 1.
- Clark, George F., West Drayton, and A. S. Radford, Southall, England. Acoustic instrument. 1,969,256; Aug. 7.
- Clark, George H., and R. E. Yates, Long Beach, Calif., assignors to F. W. Breder, Houston, Tex. Reel seat. 1,980,817; Nov. 13.
- Clark, George M. (See Walker, Malcolm, and M. M., and Clark.)
- Clark, George W., Westfield, Mass., assignor, by mesne assignments, to The Westfield Manufacturing Company. Combined bicycle and luggage carrier attachment or the like. Des. 92,523; June 19.
- Clark, George W., assignor to The Westfield Manufacturing Company, Westfield, Mass. Child's tricycle or the like. Des. 92,700; July 10.
- Clark, George W., assignor to The Westfield Manufacturing Company, Westfield, Mass. Bicycle frame. 1,977,470; Oct. 16.
- Clark Grave Vault Company, The. (See Beck, Allen F., assignor.)
- Clark, Harold A., Northbrook, Ill. Oil seal. 1,981,846; Nov. 27.
- Clark, Harold A., Northbrook, assignor to The Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 1,963,936; June 19.
- Clark, Harold A., Northbrook, assignor to Chicago Rawhide Manufacturing Co., Chicago, Ill. Oil seal. 1,963,937; June 19.
- Clark, Harold H. (See Evans, A. D., and Clark.)
- Clark, Harold W., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Shears. 1,962,636; June 12.
- Clark, Henry F., New Kensington, and L. J. Pierce, assignors to American Window Glass Company, Pittsburgh, Pa. Glass supporting stand. 1,960,805; May 29.
- Clark, Herbert E., Oakland, Calif. Valve attachment for liquid containers. 1,979,823; Nov. 6.
- Clark, Horace N., Bound Brook, N. J. Insulating cement. 1,959,658; May 22.
- Clark, Isaac J., Denver, Colo. Traveling refrigerator. 1,966,164; July 10.
- Clark, J. L., Manufacturing Co. (See Kjellstrom, John H., assignor.)
- Clark, J. L., Manufacturing Co. (See Mills, Wallace C., assignor.)
- Clark, J. R., Company. (See Kalgren, John E., assignor.)
- Clark, Jack K. (See Church, W. L., Pearce, and Clark.)
- Clark, Jack K., L. M. Pearce, and W. L. Church, assignors to C-M-P Fishing Tool Corporation, Houston, Tex. Pipe cutter. 1,959,284; May 15.
- Clark, James B., Oklahoma City, Okla. Portable rig front. 1,952,971; Mar. 27.
- Clark, James d'A., and J. E. Graves, Chillicothe, assignors to The Mead Corporation, Dayton, Ohio. Paper manufacture. 1,950,351; Mar. 6.
- Clark, James E. (See Ronci, V. L., and Clark.)
- Clark, James E. (See Ronci, V. L., Clark, and Hale.)
- Clark, James R., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Extensible desk top. 1,956,005; Apr. 24.
- Clark, James R., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Drawer latch. 1,963,954; June 26.
- Clark, James R., and F. W. Ackerman, assignors to Yawman & Erbe Mfg. Co., Rochester, N. Y. Drophead typewriter desk. 1,973,404; Sept. 11.
- Clark, Jeddiah B., assignor to Indiana Glass Company, Dunkirk, Ind. Revolving tray. 1,978,695; Oct. 30.
- Clark, Joe W., and J. P. Nixon, Columbia, S. C. Two-line pipe. 1,953,701; Apr. 3.
- Clark, John L., Bangor, Maine. Bookholder. 1,947,757; Feb. 20.
- Clark, John M., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,959,092; May 15.
- Clark, John M., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button attaching machine. 1,967,662; July 24.
- Clark, John M., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Feeding mechanism. 1,982,902; Dec. 4.
- Clark, John N. (See Trimble, W. H., and Clark.)
- Clark, John O., University City, Mo., assignor to American Manganese Steel Company, Chicago, Ill. Pin lock. 1,981,541; Nov. 20.
- Clark, John W., New York, N. Y. Package of expandable material and wrapper therefor. 1,948,615; Feb. 27.
- Clark, John W., New York, N. Y. Composite paper wrapper. 1,963,118; June 19.
- Clark, Joseph C., Camden, N. J. Light sensitive cell. 1,963,692; June 19.
- Clark, Joseph G., C. A. Masterman, and T. G. Noble, assignors to The Gas Light and Coke Company, Westminster, England. Gas, air, or liquid heating apparatus. 1,965,278; July 3.
- Clark, Lancaster P., Jr., Fairfield, Conn. Electrical plug device. 1,979,958; Nov. 6.
- Clark, Lancaster P., Fairfield, Conn., assignor to B. L. Coley, New York, N. Y. Card package. 1,982,640; Dec. 4.
- Clark, Leonard, Dundas, Ontario, Canada. Novelty door stop. Des. 93,971; Dec. 4.
- Clark, Leora O., Oakland, Calif. Mounting a sea growth specimen. 1,949,268; Feb. 27.
- Clark, Lester B. (See Rogers, Walter A., assignor.)
- Clark, Leverett M. (See Davis, D. C., and Clark.)

- Clark, Leverett M., assignor to Waugh Equipment Company, Depew, N. Y. Draft gear. 1,941,787; Jan. 2.
- Clark, Luther I., Hewlett, N. Y. Golf practice ball. 1,979,795; Nov. 6.
- Clark, Malcolm. (See Coates, C. E., and Clark.)
- Clark, Malcolm S., Warren, Ohio. Spot welding machine. Des. 91,316; Jan. 9.
- Clark, Malcolm S., Warren, Ohio, assignor, by mesne assignments, of one-fifth to Starrett Building Company, one-fifth to Harnischfeger Corporation, one-fifth to Walter W. Ahlschlager, Inc., nineteen one-hundredths to A. B. Fridaker, Chicago, Ill., one-tenth to B. B. Balkema, Detroit, Mich., and one one-hundredth to E. A. Rochling. Storage apparatus. 1,980,850; Nov. 13.
- Clark, Mary L., Newark, N. J. Projecting graduations and characters of measuring devices. 1,942,508; Jan. 9.
- Clark, Mills G., Cleveland Heights, assignor, by mesne assignments, to Insulated Steel Construction Company, Cleveland, Ohio, trustee. Heating system for metal building. 1,974,767; Sept. 25.
- Clark, Oscar D., Chelsea, Mass. Pneumatic arch supporter. 1,976,656; Oct. 9.
- Clark, Otto B. (See Thompson, C. B., and Clark.)
- Clark, Otto B., assignor, by mesne assignments, to Sherman Bros., Development Corporation, Evansville, Ind. Plow. 1,965,575; July 10.
- Clark, Philip H., Scotia, N. Y., assignor to General Electric Company. Protective fuse for furnaces and the like. 1,979,098; Oct. 30.
- Clark, Ralph S., assignor to Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Web feeding apparatus. 1,972,075; Sept. 4.
- Clark, Ray R., Fallon, Nev. Handling and holding drill pipes and the like. 1,975,448; Oct. 2.
- Clark, Raymond D., Milwaukee, Wis. Burglar trap. 1,965,030; July 3.
- Clark, Raymond P., Rochester, N. Y. Packing cushion. 1,956,854; May 1.
- Clark, Richard A., San Francisco, Calif., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,975,252; Oct. 2.
- Clark, Richard U. (See Sprague, F. D., and Clark.)
- Clark, Robert P., and H. E. Fee, Phoenix, Ariz. Pipe cleaner. 1,984,964; Dec. 18.
- Clark, Roscoe B., St. Louis, and J. Morrow, Russellville, Mo. Portable asphalt mixer. 1,965,881; July 10.
- Clark, Roy A., assignor to Campbell Guillard Thompson, Vancouver, British Columbia, Canada. Bottle wrapping machines. 1,962,481; June 12.
- Clark, Samuel, Valley View Village, assignor to The Tremco Manufacturing Company, Cleveland, Ohio. Portable caulking gun. 1,976,253; Oct. 9.
- Clark, Samuel C., Pontiac, Mich., assignor to Baldwin Rubber Company. Mat or covering and making same. 1,985,484; Dec. 25.
- Clark, Stanley G., et al. (See Brehmer, Frederick W., assignor.)
- Clark, Stewart H., Union City, Ind. Gasket. 1,965,279; July 3.
- Clark, Stuart B., Riverton, assignor to United States Pipe and Foundry Company, Burlington, N. J. Pipe joint. 1,982,044; Nov. 27.
- Clark, Stuart B., Riverton, and F. C. Langenburg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Pipe joint and pipe joint gasket. 1,979,141; Oct. 30.
- Clark, Thomas E., Nashville, Tenn. Hose nozzle. 1,972,008; Aug. 28.
- Clark Thread Company, The. (See De Long, Charles F., assignor.)
- Clark Tractor Company. (See Burrows, Robert J., assignor.)
- Clark Tractor Company. (See Burrows, R. J., and Williams, assignors.)
- Clark, Verdrie F., Jeffersonville, assignor to Anchor Stove and Range Company, New Albany, Ind. Coal burning stoker. Des. 92,793; July 17.
- Clark, W. G., et al., executors. (See Weston, Edward B.)
- Clark, Wallace, Indianapolis, Ind., and S. Hansen, Cleveland, Ohio. Fuel distributing mechanism. 1,954,774; Apr. 10.
- Clark, Walter G., assignor to Air Ice Research & Development Corp., Los Angeles, Calif. Refrigeration and apparatus therefor. 1,982,789; Dec. 4.
- Clark, Walter G., assignor to Air Ice Research & Development Corp., Los Angeles, Calif. Refrigeration apparatus. 1,982,791; Dec. 4.
- Clark, Walter G., Los Angeles, Calif., assignor to F. R. Feitschans, trustee. Ore concentration. 1,983,968; Dec. 11.
- Clark, Walter L., assignor to Riverside Boiler Works, Inc., Cambridge, Mass. Tank. Des. 91,986; Apr. 17.
- Clark, Walter R., Bridgeport, Conn. Rolling mill. 1,978,894; Oct. 30.
- Clark, Walter R., Bridgeport, Conn. Apparatus for rolling metal. 1,978,895; Oct. 30.
- Clark, Walter R., Bridgeport, Conn. Method of and apparatus for rolling metal. 1,982,571; Nov. 27.
- Clark, Walter W., North Adams, assignor to Sprague Specialties Company, Quincy, Mass. Sealing means for electrolytic devices. 1,949,953; Mar. 6.
- Clark, William A. (See Dorn, N. L., and Clark.)
- Clark, William L., Oklahoma City, Okla. Well flowing apparatus. 1,983,217; Dec. 4.
- Clark, William T., Philadelphia, Pa. Shield for vehicle windows. 1,944,152; Jan. 23.
- Clark, William T., Milwaukee, Wis. Detachable sporting-shoe mud cleat. 1,950,972; Mar. 13.
- Clarke, Allen W., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Ball frame for shaker chutes. 1,956,791; May 1.
- Clarke, Arthur F., deceased, by N. M. Clarke, executrix, Tulsa, Okla. Apparatus for treating liquids and gases. 1,973,141; Sept. 11.
- Clarke, Charles E. (See Bliss, E. J., and Clarke.)
- Clarke, Frank F., New York, N. Y. Aircraft. 1,943,290; Jan. 16.
- Clarke, George, and W. J. Lund, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe and method of manufacture. 1,982,725; Dec. 4.
- Clarke, Hans T., New York, and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Artificial silk. 1,969,454; Aug. 7.
- Clarke, Harold E., Somerville, assignor to Regal Shoe Company, Whitman, Mass. Shoe fitting machine. 1,962,101; June 5.
- Clarke, Harry S., assignor to F. Ziebarth, Long Beach, Calif. Light fixture. Des. 91,510; Feb. 20.
- Clarke, Harry S., assignor to F. Ziebarth, doing business as Southwest Street Company, Long Beach, Calif. Lighting standard. Des. 92,291; May 22.
- Clarke, Henry B., Garden City, N. Y., assignor to Lubrication Control Corporation, Chicago, Ill. Viscosity regulator. 1,976,772; Oct. 16.
- Clarke, John H., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Making molded articles from plastic materials. 1,949,072; Feb. 27.
- Clarke, Joseph W., St. Louis, Mo. Combined doorknob and lighting device. 1,985,483; Dec. 25.
- Clarke, Joseph W., assignor of one-half to H. K. Wagner, St. Louis, Mo. Ball. 1,980,472; Nov. 13.
- Clarke, Joseph W., and J. H. Grady, assignors to J. H. Grady Manufacturing Company, St. Louis, Mo. Method for using latex. 1,974,261; Sept. 18.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 1,974,805; Sept. 25.
- Clarke, Louis A., Fishkill, N. Y., and L. W. Cook, Roselle, N. J., assignors to The Texas Company, New York, N. Y. Manufacture of alcohols. 1,984,334; Dec. 11.
- Clarke, Nell M., executrix. (See Clarke, Arthur F.)
- Clarke, Robert B. F. F., Bramhall, assignor to Imperial Chemical Industries Limited, Westminister, England. Deposition of rubber. 1,945,256; Jan. 30.
- Clarke, Robert B. F. F., Bramhall, E. B. Robinson, Moston, and A. Shepherdson, Chorlton-Cum-Hardy, assignors to Imperial Chemical Industries Limited, Westminister, England. Manufacture of adhesive materials from rubber latex. 1,978,247; Oct. 23.
- Clarke Sanding Machine Company. (See Hentschel, William H., assignor.)
- Clarke, William B., Toronto, Ontario, Canada. Carbon paper. 1,943,722; Jan. 16.
- Clarke, William W., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Snap-on hub cap or other closure. 1,976,542; Oct. 9.
- Clarkson, Bradley E., assignor to The Atlas Bolt and Screw Company, Cleveland, Ohio. Industrial truck. 1,973,681; Sept. 11.
- Clarkson, Geoffrey T., et al. (See Marten, Thomas H., assignor.)
- Clarkson, Richard G. (See Downing, F. B., and Clarkson.)
- Clarkson, Richard G. (See Downing, F. B., Clarkson, and Hannum.)
- Clarkson, Richard G. (See Downing, F. B., Clarkson, and Wolff.)
- Clarkson, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Foam reduction. 1,981,635; Nov. 20.
- Clarkson, Rutgers L. (See Lynch, W. J. D., and Clarkson.)
- Clarvoe, George W., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Pipe wrapping tester. 1,950,484; Mar. 13.
- Clasen, Howard T. (See Lumb, I. F., and Clasen.)
- Clasing, Fred, Ruthven, Iowa. Signal casing. 1,972,620; Sept. 4.
- Clason, Ragnar, assignor to A C Spark Plug Company, Flint, Mich. Gasoline gauge. 1,950,595; Mar. 13.
- Clason, Ragnar, assignor to A C Spark Plug Company, Flint, Mich. Ventilation of dynamo-electric machines. 1,963,401; June 19.
- Claud-Mantle, Arthur. (See Moore, R. G., and Claud-Mantle.)
- Claude, André, Nanterre, France. Electric gaseous discharge tube. 1,972,183; Sept. 4.
- Claude, Georges, and J. Le Rouge, Paris, France, assignors to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. Separation of gaseous mixtures. 1,984,463; Dec. 18.
- Claude Neon Electrical Products Corporation. (See Erickson, Ellis O., assignor.)
- Claude Neon Lights, Inc. (See Beck, Leo L., assignor.)
- Claude Neon Lights, Inc. (See Beck, L. L., and Noble, assignors.)
- Claude Neon Lights, Inc. (See Noble, Aubrey E., assignor.)
- Claus, Arthur, and H. Garney, Brooklyn, N. Y. Sanitary dispensing device. 1,952,840; Mar. 27.
- Claus, Ernst C., Chicago, Ill. Window ventilator. 1,958,695; May 15.

- Claus, Herman B., Otis, assignor to O. M. Kiggins, Portland, Ore. Oil gauge rod and wiper. 1,976,434; Oct. 9.
- Claus, Willi, Berlin-Steglitz, Germany, assignor to E. Brandus. Deoxidation of nonferrous metals. 1,967,810; July 24.
- Clausen, Andrew J., Berkeley, Calif. Concrete spreader. 1,974,013; Sept. 18.
- Clausen, Carl F., Grayslake, Ill. Combination antikick and jack mechanism for automobiles. 1,982,792; Dec. 4.
- Clausen, Carl H., Stockholm, Sweden. Lubricator pump. 1,949,992; Mar. 6.
- Clausen, Herman W., assignor of one-half to P. C. Clausen, Los Angeles, Calif. Apparatus for receiving and dispensing blocks of ice. 1,949,040; Feb. 27.
- Clausen, Herman W. and P. C., Los Angeles, Calif. Ice-dispensing apparatus. 1,949,039; Feb. 27.
- Clausen, Peter C. (See Clausen, Herman W., assignor.)
- Clausen, Peter C. (See Clausen, Herman W. and P. C.)
- Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Bunch shaper and bunch moistener for cigar machines. 1,945,022; Jan. 30.
- Clauser, Herbert, Elkton, Md. Pyrotechnic device. 1,980,910; Nov. 13.
- Clauser, Herbert C. (See Decker, J. B., and Clauser.)
- Clausing, George, assignor to The Vulcan Corporation, Portsmouth, Ohio. Guide track for wood heel turning machines. 1,948,257; Feb. 20.
- Clausing, George, assignor to The Vulcan Corporation, Portsmouth, Ohio. Machine for manufacturing heels for shoes. 1,948,258; Feb. 20.
- Clauss, Charles A., Fairfield, Conn. Insert for waffle irons. 1,947,124; Feb. 13.
- Clavel, René, Basel, Switzerland. Weighting natural silk. 1,949,143; Feb. 27.
- Clavel, René, Basel, Switzerland. Method and device for loading silk containing fabrics. 1,970,736; Aug. 21.
- Clavey, Edward A., Park Ridge, assignor to Beckley-Cardy Company, Chicago, Ill. Eraser. 1,967,186; July 17.
- Clavier, Andre G., Glen Ridge, assignor to International Communications Laboratories, Inc., Newark, N. J. Microray tube. 1,959,019; May 15.
- Clavier, André G., Glen Ridge, assignor International Communications Laboratories, Inc., Newark, N. J. Microray vacuum tube. 1,959,856; May 22.
- Clavier, André G., Glen Ridge, assignor to International Communications Laboratories, Inc., Newark, N. J. Modulating system for ultra-short wave signaling. 1,962,582; June 12.
- Clavier, Andre G., Glen Ridge, assignor to International Communications Laboratories, Inc., Newark, N. J. Microray transmission line. 1,971,901; Aug. 28.
- Clavier, André G., Glen Ridge, assignor to International Communications Laboratories, Inc., Newark, N. J. Microray vacuum tube. 1,971,902; Aug. 28.
- Clawson, Walter H., Norristown, Pa. Fuel oil burner. 1,952,236; Mar. 27.
- Clay Equipment Corporation. (See Clay, J. B., and Wille, assignors.)
- Clay, George H., and H. W. Bailey, Kansas City, Mo. Tank truck filling plug. 1,984,175; Dec. 11.
- Clay, Harry C., C. L. Irwin, and P. B. Reeves, assignors to Reeves Pulley Company, Columbus, Ohio. Variable speed unit control. 1,963,827; June 19.
- Clay, Joseph B., and W. O. Wille, assignors to Clay Equipment Corporation, Cedar Falls, Iowa. Window device. 1,945,881; Feb. 6.
- Clay, Joseph B., and W. O. Wille, Cedar Heights, assignors to Clay Equipment Corporation, Cedar Falls, Iowa. Window device. 1,972,845; Sept. 4.
- Clay, Joseph B., and W. O. Wille, Cedar Heights, assignors to Clay Equipment Corporation, Cedar Falls, Iowa. Window device. 1,975,825; Oct. 9.
- Clay Production Company. (See Svendsen, Svend S., assignor.)
- Clay Reduction Company. (See Svendsen, Svend S., assignor.)
- Claybaker, Howard H., Clarinda, Iowa. Hayrack. 1,966,710; July 17.
- Claybourn, Leslie W., Milwaukee, Wis. Machine for reducing printing plates to uniform thickness. 1,942,592; Jan. 9.
- Claybourn, Leslie W., Milwaukee, Wis. Reducing curved printing plates to uniform thickness. 1,942,593; Jan. 9.
- Claybourn Process Corporation. (See Hehle, C. F., and Halstead, Jr., assignors.)
- Claybrook, Frederick W., Cumberland, Md. Spark intensifier. 1,962,949; June 12.
- Claypoole, Walter, Forest Hills, assignor to Radio Corporation of America, New York, N. Y. Thermionic translating device and system. 1,962,427; June 12.
- C'ayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,945,478; Jan. 30.
- Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary take-up for sewing machines. 1,947,333; Feb. 13.
- Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ruffling mechanism for sewing machines. 1,957,406; May 1.
- Clayton, Benjamin, Sugarland, Tex., and E. L. Linn, Los Angeles, Calif.; said Linn assignor to said Clayton. Coin controlled switch. 1,945,343; Jan. 30.
- Clayton, Benjamin, Sugarland, Tex., W. B., Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev. Producing powdered soap of low moisture content. 1,968,526; July 31.
- Clayton, Harold H., Fort Wayne, Ind., assignor to General Electric Company. Impulse summation apparatus. 1,956,413; Apr. 24.
- Clayton & Lambert Manufacturing Company. (See Blaske-witz, W., and Overly, assignor.)
- Clayton, Lewis J., assignor to Viceroy Manufacturing Company, Limited, Toronto, Ontario, Canada. Machine for molding hollow rubber articles. 1,965,824; July 10.
- Clayton, Lloyd L., New York, N. Y. Tire. Des. 93,206; Sept. 4.
- Clayton Lumber Company. (See Holloway, Walter, assignor.)
- Clayton Mark & Company. (See Mark, Harry R., assignor.)
- Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation. Electrical outlet. 1,943,001; Jan. 9.
- Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation, New York, N. Y. Removable knock-out. 1,944,707; Jan. 23.
- Clayton, Walter, Belmar, N. J. Doorcheck. 1,946,837; Feb. 13.
- Clayton, William F., Huntsville, assignor of one-third to W. E. James, Cullman, and one-third to N. E. James, Birmingham, Ala. Automatic fork for looms. 1,943,002; Jan. 9.
- Claytor, Spry O., U. S. Navy. Powder mixer. 1,960,230; May 29.
- Claytor, Spry O., and J. Y. Dreisonstok, United States Navy. Dental kit. 1,955,736; Apr. 24.
- Cleary, Frank P. (See Hull, Charles W., assignor.)
- Cleaver, Justus L., Avon, N. Y. Mental testing apparatus. 1,949,783; Mar. 6.
- Cleburne, Claude L., London, England. Electric lamp holder and the like. 1,956,273; Apr. 24.
- Clegg, John E., Brooklyn, assignor to The Arabol Manufacturing Company, New York, N. Y. Adhesive and preparing and applying the same. 1,948,334; Feb. 20.
- Cleland, William B., Hamilton, assignor to Jorden Wine Company, Ltd., Jorden, Ontario, Canada. Jug. Des. 91,317; Jan. 9.
- Cleland, William B., Hamilton, assignor to Jorden Wine Company, Ltd., Jorden, Ontario, Canada. Bottle. Des. 91,318; Jan. 9.
- Clelland, Stanley H., Jefferson City, Mo. Expansion joint device. 1,973,946; Sept. 18.
- Clem, E. D. (See Toce, C. A., and Fleak.)
- Clémencet, Louis E. (See Roux, C., and Clémencet.)
- Clemens, Emanuel, East Orange, N. J. Button making machine. Re19,379; Nov. 27.
- Clemens, John A., assignor to Davol Rubber Co., Providence, R. I. Application of coverings to packages and the like. 1,984,056; Dec. 11.
- Clement, Carl N., Beverly, Mass. Electrically heated device. 1,945,628; Feb. 6.
- Clement, Charles G., et al. (See Clement, Frank M., assignor.)
- Clement, Frank M., Beloit, assignor of one-half to C. G. Clement, and D. W. and F. E. Ratzlaff, Edgerton, Wis. Eyelet setting device. 1,966,883; July 17.
- Clement, Frederic D. (See Whitney, R. F., and Clement.)
- Clement, George A., Mount Vernon, N. Y. Fusing method and clip in the manufacture of fused multifocal lens blanks. 1,978,896; Oct. 30.
- Clement, Ivan C., Greenwood, assignor to Submarine Signal Company, Boston, Mass. Sound receiving apparatus. 1,960,240; May 29.
- Clement, Lewis M., Mountain Lakes, assignor, by mesne assignments, to Federal Telegraph Company, Newark, N. J. Radio receiving apparatus. 1,985,403; Dec. 25.
- Clement, Louis. (See Trull, W., and Clement.)
- Clement, Martin W., Haverford, R. L. Kleins, Philadelphia, and J. W. Rowland, Paoli, Pa. Inspecting railroad cars and apparatus therefor. 1,977,170; Oct. 16.
- Clement, Robert F., Portslade, assignor of one-half to J. W. Howlett, Lynton, England. Locking metal inserts into cavities. 1,978,340; Oct. 23.
- Clement, Sylvester F., assignor to The Visking Corporation, Chicago, Ill. Apparatus for producing tubing or the like. 1,958,181; May 8.
- Clement, Thomas W. (See Markley, J. W., and Clement.)
- Clement, Walter L., Orlando, Fla. Concentration of fruit juices. 1,965,576; July 10.
- Clementi, Antonio, Vienna, Austria, assignor to Aktiengesellschaft C. P. Goerz Optische Anstalt Actiova spolocnost K. P. Goerz opticky ustav, Pressburg, Bratislava, Czechoslovakia. Apparatus for determining the speed and direction of movement of aircraft and of moving targets. 1,942,536; Jan. 9.
- Clementi, Antonio, Vienna, Austria, assignor to the firm Aktiengesellschaft C. P. Goerz Optische Anstalt Actiova Spolocnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Bomb sight. 1,968,127; July 31.
- Clements, Everett G., and S. E. Spector, Washington, D. C. Tobacco pouch and the like. 1,963,828; June 19.
- Clements, Joseph E. (See Alerio, E., and Clements.)
- Clements, Melville F., and N. F. Helmers, St. Paul, Minn. Constructing foundations. 1,963,351; June 19.
- Clements Mfg. Co. (See Marshall, Irl H., assignor.)
- Clements, William B., assignor to Bryant Paper Company, Kalamazoo, Mich. Slice for paper making machines. 1,968,028; July 31.

- Clemetsen, Anton, Chicago, Ill. Amusement game cabinet. Des. 92,453; June 12.
- Clemmensen, Erik, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Purification of crude coumarin. 1,945,182; Jan. 30.
- Clemmensen, Erik, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of alkoxy derivatives of phosphorus acid chlorides. 1,945,183; Jan. 30.
- Clemmensen, Erik, East Orange, N. J., assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of crude coumarin. 1,945,184; Jan. 30.
- Clemmensen, Erik, and K. M. Miller, St. Louis, Mo., assignors, by mesne assignments, to Monsanto Chemical Company. Manufacture of organic acid chlorides. 1,974,845; Sept. 25.
- Clemmensen, Erik, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Organic esters of thiophosphoric acid. 1,982,903; Dec. 4.
- Clemmer, George B., assignor to A. G. Fiedler, Baltimore, Md. Cigarette container, ejector, and lighter. 1,967,663; July 24.
- Clemmer, Julius B. (See DeVaney, F. D., and Clemmer.)
- Clemmons, Herbert D., assignor to Scovill Manufacturing Company, Sturgis, Mich. Ball cock body. Des. 92,454; June 12.
- Clemmons, Herbert D., assignor to Scovill Manufacturing Company, Sturgis, Mich. Ball cock. 1,981,904; Nov. 27.
- Clemmons, Ralph W. (See Bureau, Arthur A., and Clemmons.)
- Clemson Bros., Inc. (See Canfield, Richard W., assignor.)
- Cleore, Lawrence, Bayside, N. Y. Legging. 1,955,487; Apr. 17.
- Clerc, André, Villeurbanne, France. Electric circuit-breaker with compressed gas blow-out. 1,944,402; Jan. 23.
- Clerc, André, Villeurbanne, France. Arc extinguishing chimney. 1,944,403; Jan. 23.
- Clerc, André, Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Circuit breaker with liquid or gas blow-outs. 1,961,475; June 5.
- Clerc, André, Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Blow-out chamber with insulating grids. 1,967,989; July 24.
- Clerc, André, Villeurbanne, assignor to Societe Ateliers de Constructions Electriques de Delle, Paris, France. Circuit breaker with liquid or gas blowout. 1,982,134; Nov. 27.
- Clerc, André, Villeurbanne, assignor to Ateliers de Constructions Electriques de Delle, Paris, France. Gas cooling device for compressed gas electric circuit breaker silencer. 1,984,396; Dec. 18.
- Clerc, Reinhard. (See Schoeller, W., Jordan, and Clerc.)
- Cleveland, Arthur W., Detroit, Mich. Double deck coach. 1,958,234; May 8.
- Cleveland Automatic Machine Company. (See Ruppel, Harry W., assignor.)
- Cleveland Automatic Machine Company, The. (See Ruppel, Harry W., assignor.)
- Cleveland Brass Manufacturing Company, The. (See Roach, Nathan, assignor.)
- Cleveland Chain & Manufacturing Company, The. (See Round, L. D., and Power, assignors.)
- Cleveland, Charles E., Kendallville, Ind. Knife bar shaping machine. 1,953,746; Apr. 3.
- Cleveland, Charles E., Kendallville, Ind. Knife bar shaping machine. 1,953,747; Apr. 3.
- Cleveland, Clarence R., assignor to Standard Oil Company, Chicago, Ill. Insect repellent. 1,963,955; June 26.
- Cleveland Cliffs Iron Company, The. (See Olson, E. T., and Twining, assignors.)
- Cleveland Company, The. (See Morrison, W. J., and Spicer, assignors.)
- Cleveland Co-Operative Stove Company, The. (See Hausler, Fred G., assignor.)
- Cleveland Co-Operative Stove Company. (See Hausler, F. G., and Herbster, assignors.)
- Cleveland Cooperative Stove Company, The. (See Herbster, George, assignor.)
- Cleveland Crane & Engineering Company, The. (See Creasy, A. E., and Blake, assignors.)
- Cleveland Crane & Engineering Company, The. (See Presley, J. Donald, assignor.)
- Cleveland Fare Box and Four-Way Lock Co. (See Main, Andrew, assignor.)
- Cleveland Folding Machine Company, The. (See Dawson, Joseph C., assignor.)
- Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
- Cleveland Folding Machine Company, The. (See Tufts, Lesley R., assignor.)
- Cleveland Formgrader Company, The. (See Tullis, Jasper G., assignor.)
- Cleveland Frog and Crossing Company. (See Goodaire, B. W., and Arnold, assignors.)
- Cleveland Gas Meter Company, The. (See Knight, Williams H., Jr., assignor.)
- Cleveland Graphite Bronze Company. (See Hopkins, B. F., and Palm, assignors.)
- Cleveland Graphite Bronze Company, The. (See Klocke, William H., assignor.)
- Cleveland Graphite Bronze Company, The. (See Knuth, Edward C., assignor.)
- Cleveland Graphite Bronze Company, The. (See Palm, John V. O., assignor.)
- Cleveland Graphite Bronze Company, The. (See Palm, J. V. O., and Salzman, assignors.)
- Cleveland Graphite Bronze Company, The. (See Sherwood, G. L., and Johnson, assignors.)
- Cleveland Graphite Bronze Company, The. (See Stockfleth, Berger, assignor.)
- Cleveland Graphite Bronze Company, The. (See Stockfleth, B., and Burger, assignors.)
- Cleveland Graphite Bronze Company. (See Stockfleth, B., and Sherwood, assignors.)
- Cleveland, Grover E., assignor to The Yoder Company, Cleveland, Ohio. Machine for turning and grinding. 1,941,598; Jan. 2.
- Cleveland, Grover E., assignor to The Yoder Company, Cleveland, Ohio. Machine for cutting grooves and slots. 1,974,417; Sept. 25.
- Cleveland Heater Company. (See Te Pas, Edmund J., assignor.)
- Cleveland Heater Company, The. (See Te Pas, E. J., and Hansen, assignors.)
- Cleveland Hobbing Machine Company, The. (See Adams, Frank H., assignor.)
- Cleveland, Judson A., Duluth, Minn. Rail tie and fastener. 1,968,929; Aug. 7.
- Cleveland Metal Hose Company. (See Phillips, Walter E., assignor.)
- Cleveland Patents, Incorporated. (See Hickok, Robert D., assignor.)
- Cleveland Pneumatic Tool Company. (See De Mooy, John, assignor.)
- Cleveland Pneumatic Tool Company, The. (See De Mooy, John, assignor.)
- Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
- Cleveland, Ralph L., and E. H. Lederer, Indianapolis, Ind. Paste feeding brush. 1,945,023; Jan. 30.
- Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
- Cleveland Rock Drill Company, The. (See Feucht, Albert, assignor.)
- Cleveland Rock Drill Company, The. (See Renfer, John E., assignor.)
- Cleveland Rock Drill Company, The. (See Richardson, Led L., assignor.)
- Cleveland Rock Drill Company, The. (See Slatcher, Alfred G., assignor.)
- Cleveland Shock Absorber Company, The. (See Mallory, Bonnie L., assignor.)
- Cleveland Shopping News, The. (See Duncan, Donald M., assignor.)
- Cleveland Steel Products Corporation. (See Slaght, W. W., and Braun, assignors.)
- Cleveland Steel Products Corporation. (See Smith, William J., assignor.)
- Cleveland Tractor Company, The. (See Kinney, Grayson T., assignor.)
- Cleveland Trust Company, The. (See Duemler, V. E., and Koeln, assignors.)
- Cleveland Trust Company, The. (See Hartog, Stephen D., assignor.)
- Cleveland Trust Company, The. (See McCoy, William C., assignor.)
- Cleveland Trust Company, The, et al., executors. (See Orr, William V.)
- Cleveland Trust Company, The, trustee. (See Jardine, Frank, assignor.)
- Cleveland Twist Drill Company. (See Emmons, Joseph V., assignor.)
- Cleveland Twist Drill Company, The. (See Emmons, Joseph V., assignor.)
- Cleveland Twist Drill Company, The. (See Kohlmetz, George W., assignor.)
- Cleveland Twist Drill Company, The. (See Petzinger, Clarence F., assignor.)
- Cleveland Universal Jig Company. (See Verderber, Joseph, assignor.)
- Cleveland Welding Company, The. (See Baker, F. E., Dvorak, and Mueller, assignors.)
- Cleveland Welding Company, The. (See Kranz, Harry W., assignor.)
- Cleveland Worm and Gear Company. (See Acker, George H., assignor.)
- Click, Lloyd R., Mulberry, Ind. Razor hone. 1,967,113; July 17.
- Clickner, Earle D. (See Russell, S. G., and Clickner.)
- Clickner, Earle D., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,964,174; July 3.
- Clickner, Forest H., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Producing concentrated milk constituents. 1,961,960; June 5.
- Clickner, Forest H., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Manufacture of transparent sheets or coatings. 1,968,991; Aug. 7.
- Clifford, Albert M. (See Sebrell, L. B., and Clifford.)
- Clifford, Edward C., Sand Lake, N. Y. Barrel supporting and cooling device. Re19,361; Nov. 6.
- Clifford, Edward C., Sand Lake, N. Y. Barrel supporting and cooling device. 1,957,199; May 1.
- Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
- Clifford, Roger W., Schenectady, N. Y. Driving mechanism. 1,941,464; Jan. 2.

- Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Sprinkler head. 1,978,623; Oct. 30.
- Clifton, Clifford R., Seattle, Wash. Student's desk. 1,958,783; May 15.
- Clifton Manufacturing Company. (See Crow, Lawrence M., assignor.)
- Clifton, Rufus L., Luke Field, Territory of Hawaii. Automatic device for stopping air leakage around valves. 1,983,538; Dec. 11.
- Climax Engineering Company, The. (See Alexander, R. L., and McCallum, assignors.)
- Climax Engineering Company. (See Waters, Harry H., assignor.)
- Cline, Allan J. (See Behr, Herbert R., assignor.)
- Cline, Allan J. (See Hollander, Jacob A., assignor.)
- Cline, Allan J., Chicago, Ill. Web tension mechanism for printing presses. 1,945,136; Jan. 30.
- Cline, Allan J., Chicago, Ill. Reel for telephone cords. 1,946,778; Feb. 13.
- Cline, Allan J., Chicago, Ill. Method and apparatus for making high-speed pasters. 1,975,348; Oct. 2.
- Cline, Andrew F., Hayward, Wis. Moisture cup heat control apparatus for creameries. 1,949,355; Feb. 27.
- Cline, Edwin L., Philadelphia, Pa., assignor to The Barrett Company, New York, N. Y. Production of resins. 1,942,201; Jan. 2.
- Cline, Foster. (See Miller, Oscar, assignor.)
- Cline, Irl R. (See Butterworth, F. W., and Cline.)
- Cline, Irl R. (See Butterworth, F. W., Doughty, and Cline.)
- Cline, Joseph K., assignor to Merck & Co., Inc., Rahway, N. J. Preparing certain acyl-choline esters and their salts. 1,957,443; May 8.
- Cline, McGarvey, Jacksonville, Fla. Oleo-resinous material and preparing the same. 1,945,421; Jan. 30.
- Cline, Robert C. (See Gohr, E. J., and Cline.)
- Cline, Thaddeus, E., and R. E. Tipton, Denver, Colo. Pump. 1,981,991; Nov. 27.
- Clingan, John R. T., and P. J. Sheehan, Niles, Ohio. Brick making machine. 1,967,608; July 24.
- Clingerman, Robert L. (See Bayley, L., and Clingerman.)
- Clinker, Hilda G., executrix. (See Clinker, Reginald C.)
- Clinker, Reginald C., deceased, Rugby, by H. G. Clinker, executrix, Bristol, and L. J. Davis, Rugby, England, assignors to General Electric Company. Cathode ray tube. 1,982,373; Nov. 27.
- Clinton Corn Syrup Refining Company. (See Corson, George E., assignor.)
- Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
- Clisson, Albert B., Syracuse, N. Y., deceased, F. S. Clisson, administratrix. Fruit and vegetable packing machine. 1,963,650; June 19.
- Clisson, Flora S., administratrix. (See Clisson, Albert B.)
- Clithero, Stanley D., Long Beach, and R. G. Barlow, Rivera, Calif. Method and apparatus for proportioning liquids. 1,977,171; Oct. 16.
- Clithero, Stanley D., Long Beach, and E. G. Durando, Los Angeles, Calif. Gas tank pressure regulator. 1,982,045; Nov. 27.
- Cloer, Venus U. (See Sims, W. F., and Cloer.)
- Cloer, Venus U. (See Sims, W. F., and Cloer, assignors.)
- Cloetens, Georges, Brussels, Belgium. Musical instrument. 1,981,092; Nov. 20.
- Clokey, Allison A., Rutherford, N. J., assignor to International Communications Laboratories, Inc., New York, N. Y. Call circuit recorder. 1,964,031; June 26.
- Clopay Corporation. (See Johnson, Samuel J., assignor.)
- Close, Ralph B., assignor to Muskegon Reliable Tire & Accessories Co., Muskegon, Mich. Road magnet. 1,961,336; June 5.
- Closmann, Eduard A., assignor to firm Quieta-Werke Alfred Kasper, Leipzig, Germany. Device for the extraction and steaming of raw unroasted coffee beans. 1,973,247; Sept. 11.
- Closmann, Eduard A., F. A. Vorsatz, and K. A. Kasper, Leipzig, Germany, assignors to Commerzinag Aktiengesellschaft, Glarus, Switzerland. Treatment of coffee beans by steam. 1,972,184; Sept. 4.
- Closson, Vernon L., Kansas City, assignor to Walk-Easy Foot Rest Mfg. Co., St. Louis, Mo. Orthopedic appliance. 1,959,050; May 15.
- Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)
- Closure Service Company, The. (See Merriman, Ralph S., assignor.)
- Cloud, Harry B., Tulsa, Okla. Calculating system and apparatus therefor. 1,954,723; Apr. 10.
- Cloud, William J., and R. G. Wilson, Spokane, Wash. Gas generator for internal combustion engines. 1,970,168; Aug. 14.
- CLOUDLEY, John L., London, England. Hydraulic control mechanism. 1,956,117; Apr. 24.
- Clough, Lee E., assignor to The General Tire & Rubber Company, Akron, Ohio. Surface marker. 1,948,335; Feb. 20.
- Clough, Minnie S. (See Stricker, W., and Clough.)
- Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Nut placer for tappers. 1,944,653; Jan. 23.
- Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Kick-out for metal working machines. 1,968,128; July 31.
- Clover Leaf Manufacturing Co. (See Bennett, Walter E., assignor.)
- Clow, Samuel C. (See Rothgarn, Andrew E., assignor.)
- Clow, Samuel C. (See Winter, August P., assignor.)
- Cluett, Peabody & Co. (See Boden, George, assignor.)
- Cluett, Peabody & Co. (See Cluett, Sanford L., assignor.)
- Cluett, Peabody & Co. (See Kennedy, Richard O., assignor.)
- Cluett, Peabody & Co. (See Morse, Walter M., assignor.)
- Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Apparatus for treating fabrics. 1,944,001; Jan. 16.
- Cluett, Sanford L., assignor to Cluett-Peabody & Co., Inc., Troy, N. Y. Cloth finishing. 1,950,398; Mar. 13.
- Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Fabric treating apparatus. 1,971,211; Aug. 21.
- Clum Manufacturing Company. (See Pease, Frederick J., assignor.)
- Clum Manufacturing Company. (See Winning, Robert K., assignor.)
- Clum Manufacturing Company. (See Winning, R. K., and Sinner, assignors.)
- Clute, Donald. (See Ferris, W., Wiedman, and Clute.)
- Clute, Donald, Detroit, Mich., assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,985,443; Dec. 25.
- Clutterbuck, Cyril L. F., London, England. Self-adjusting tappet device. 1,962,057; June 5.
- Clyde, Hugh. (See Hicks, H. C., Clyde, and Martin.)
- Clyde Iron Works. (See Derby, Ola L., assignor.)
- Clyde Iron Works. (See McGiffert, J. R., and Berby, assignors.)
- Clyde, James E., Syracuse, N. Y. Automobile parking garage. 1,966,165; July 10.
- Clyde, John L., Joliet, Ill. Truck. 1,985,362; Dec. 25.
- Coad, Frederic J., St. Louis, Mo., assignor to Swift and Company, Chicago, Ill. Belly roller and side splitting machine. 1,973,695; Sept. 18.
- Coakley, William E., assignor to Pressed Steel Tank Company, Milwaukee, Wis. Lined barrel construction. 1,969,120; Aug. 7.
- Coal Process Corporation. (See Wisner, Clarence B., assignor.)
- Coalson, Douglas. (See Milam, Oran A. and R. E., assignors.)
- Coane, Samuel. (See Dwyer, Frank P., assignor.)
- Coast Envelope & Leather Products Company. (See Canfield, Melville W., assignor.)
- Coast Insulating Company. (See Smith, Herbert C., assignor.)
- Coastal Contracting Co., Inc. (See Hay, Percy D., assignor.)
- Coatalen, Louis, Wolverhampton, England. Fuel pump. 1,943,162; Jan. 9.
- Coates, Clyde E., Royal Oak, and M. Clark, Detroit, Mich., assignors to A. B. Fridaker and W. T. Bittner. Hydraulic control. 1,957,759; May 8.
- Coates, Frederick, Rochester, N. Y. Coating apparatus. 1,956,562; May 1.
- Coates, Frederick, Rochester, N. Y., assignor, by mesne assignments, to H. D. and R. M. Coates. Coating apparatus. 1,956,561; May 1.
- Coates, Harriet D., et al. (See Coates, Frederick, assignor.)
- Coates, Herbert J., Erdington, Birmingham, assignor to The General Electric Company, Limited, London, England. Control system for power plants comprising electric motors and prime movers. 1,943,369; Jan. 16.
- Coates, Herbert J., Erdington, Birmingham, and C. W. Saunders, Bramley, near Guildford, assignors to General Electric Company Limited, London, England. Electric motor control system. 1,971,769; Aug. 28.
- Coates, Robert M., et al. (See Coates, Frederick, assignor.)
- Coates, Wallace, K., Greenville, Ill. Ball forging machine. 1,965,489; July 3.
- Coates, William A., Hale, England, assignor to General Electric Company. Electric circuit interrupter. 1,955,532; Apr. 17.
- Coats, Ferd R., Springfield, Ill. Coin control device for hand operating mechanisms. 1,972,185; Sept. 4.
- Coats, George S., Visalia, Calif. Universal driving connection. 1,942,745; Jan. 9.
- Coats, George S., Visalia, Calif. Adjustable pump head. 1,974,014; Sept. 18.
- Cobb, Harold E., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor thermal relay. 1,947,078; Feb. 13.
- Cobb, Henry Z., assignor to Revere Rubber Company, Providence, R. I. Apparatus for making elastic yarns. 1,976,328; Oct. 9.
- Cobb, Henry Z., assignor to Revere Rubber Company, Providence, R. I. Making flashless molded articles. 1,978,985; Oct. 30.
- Cobb, Herbert B., Chelsea, Mass., assignor to Semet-Solvay Company, New York, N. Y. Removal of phenols from ammonia liquors. 1,943,653; Jan. 16.
- Cobb, Herbert L. and M. L., Brooklyn, Mich. Spring compressor. 1,962,002; June 5.
- Cobb, Howard L. (See Engle, E. W., and Cobb.)
- Cobb, Howard L., assignor to Boonton Research Corporation, Boonton, N. J. Magnetic material and making the same. 1,946,964; Feb. 13.
- Cobb, James F., Portland, Oreg. Dry kiln. 1,968,874; Aug. 7.
- Cobb, James F., Portland, Oreg. Journal bearing. 1,974,484; Sept. 25.

- Cobb, James F., Portland, Oreg. Dry kiln. 1,982,980; Dec. 4.
- Cobb, James F., and J. I. Steel, Portland, Oreg. Dry kiln. 1,955,374; Apr. 17.
- Cobb, Lewis E. (See Biggs, O. H., and Cobb.)
- Cobb, Maurice L. (See Cobb, Herbert L. and M. L., assignors.)
- Cobb, William F. (See Barnes, T. E., and Cobb.)
- Cobbs, Ansalem O., Des Moines, Iowa. Certificate or like holder. 1,969,925; Aug. 14.
- Cobe Engineering Company. (See Cobe, Harry H., assignor.)
- Cobe, Harry H., Chelsea, assignor to Cobe Engineering Company, Boston, Mass. Reciprocating mechanism. 1,974,262; Sept. 18.
- Cobel, Ray C., assignor to A. H. Heisey & Company, Newark, Ohio. Making articles of glassware. 1,960,729; May 29.
- Cobel, Ray C., assignor to A. H. Heisey & Company, Newark, Ohio. Shaker. 1,966,611; July 17.
- Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Fluid-motor deep well pump. 1,946,454; Feb. 6.
- Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Heat treating steel. 1,959,344; May 22.
- Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Long-stroke pumping mechanism. 1,970,596; Aug. 21.
- Coberly, Clarence J., Los Angeles, assignor to Submersible Motorpump Company, Ltd., Huntington Park, Calif. Motor construction. 1,979,986; Oct. 30.
- Coberly, Clarence J., assignor to Kobe, Inc., Huntington Park, Calif. Cutting slots with noncircular jet. 1,972,215; Sept. 4.
- Coberly, Clarence J., and F. W. Harris, Los Angeles, assignors to Kobe, Inc., Huntington Park, Calif. Method of and apparatus for pumping wells. 1,957,320; May 1.
- Coble, Charles C., Richmond, Ind. Device for and systematically embellishing fabrics. 1,952,365; Mar. 27.
- Coble, David C., and C. D. Steinmeier, assignors to The American Foundry Equipment Company, Mishawaka, Ind. Rotary abrasive blast gun. 1,944,404; Jan. 23.
- Coble, Ernest L. and S. L. Cleveland Heights, Ohio. Disposing of garbage. 1,968,515; July 31.
- Coble, Leonard H., Wichita, Kans. Electric glass auto tire sign. Des. 93,815; Nov. 13.
- Coble, Sallie L. (See Coble, Ernest L. and S. L.)
- Coblens, George E. (See Morris, Albert W., assignor.)
- Coca-Cola Company. (See Worthington, Everett, assignor.)
- Co Callol, José, Arequipa, Peru. Race game. 1,959,755; May 22.
- Cochin, John D., San Francisco, Calif. Valve for lifting devices. Re19,239; July 17.
- Cochin, John D., San Francisco, Calif. Chock for vehicle elevators. 1,943,003; Jan. 9.
- Cochin, John D., San Francisco, Calif. Auto lift. 1,953,670; Apr. 3.
- Cochran, Albert W., and H. W. Dewey, Portland, Oreg. Matrix former and drier. 1,960,697; May 29.
- Cochran, Paul B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of nitrocellulose. 1,965,577; July 10.
- Cochran, Robert J., assignor of one half to E. Hamblin, Jr., Woodward, Okla. Demountable wheel. 1,968,745; July 31.
- Cochran, Roe. (See Wagner, Robert C., assignor.)
- Cochran, Samuel E., Kansas City, Mo. Door locking device. 1,966,612; July 17.
- Cochrane, Clarence, Melrose, assignor to R. B. Doty, Winchester, Mass. Adjustable stocking form. 1,969,727; Aug. 14.
- Cochrane Corporation. (See Fowler, J. B., Gibson, and Rohlin, assignors.)
- Cochrane Corporation. (See Gerend, Matthias S., assignor.)
- Cochrane Corporation. (See Gibson, George H., assignor.)
- Cochrane Corporation. (See Gibson, G. H., and Patterson, assignors.)
- Cochrane Corporation. (See Gibson, G. H., and Rohlin, assignors.)
- Cochrane Corporation. (See Kittredge, Arthur E., assignor.)
- Cochrane Corporation. (See Melas, William, assignor.)
- Cochrane Corporation. (See Patterson, Franklin M., assignor.)
- Cochrane Corporation. (See Rohlin, Victor A., assignor.)
- Cochrane, George C., Rochester, N. Y. Copy holder. 1,948,024; Feb. 20.
- Cochrane, George H., Franklin, assignor of forty-nine per cent to J. Hawley White, Milford, Mass. Felting machine. 1,962,950; June 12.
- Cochrane, Harold B., and U. Sprinchorn, assignors of one-third to G. B. Pitts, Jamestown, N. Y. Pumping mechanism. 1,985,283; Dec. 25.
- Cochrane, Samuel S., and A. Kadow, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Building block. 1,949,898; Mar. 6.
- Cochrane, Walter S., assignor to Chrysler Corporation, Detroit, Mich. Crank case ventilator. 1,954,198; Apr. 10.
- Cochrane-Wilkinson, Doris, New York, N. Y., assignor to Kestos Limited, London, England. Brassière. 1,965,997; July 10.
- Cochrum, Allen. (See Penick, Arthur J. and K. T., and Cochrum.)
- Cocke, Louis J., Birmingham, Ala. Golf club. 1,958,032; May 8.
- Cocker, George B., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Creel. 1,962,108; June 5.
- Cocker, George B., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Winding machine. 1,983,508; Dec. 4.
- Cocker Machine and Foundry Company. (See Cocker, George B., assignor.)
- Cocker Machine and Foundry Company. (See Whitener, E. K., and Suggs, assignors.)
- Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Sorting apparatus. 1,945,395; Jan. 30.
- Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Control apparatus for vapor electric discharge devices. 1,947,189; Feb. 13.
- Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Photo-electric relay. 1,957,247; May 1.
- Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Photo-electric relay. 1,953,345; Dec. 4.
- Cockrell, William D., Schenectady, and P. Juchter, Scotia, N. Y., assignors to General Electric Company. Electric relay. 1,964,454; June 26.
- Cocks, George W., Upper Montclair, N. J., and J. L. Ginsberg, Brooklyn, N. Y.; said Ginsberg assignor to said Cocks. Ice cream cabinet. 1,978,565; Oct. 30.
- Coddington, Harry W., Roanoke, Va. Lubricating device for locomotive driver journals. 1,970,167; Aug. 14.
- Coddington, Howard O., assignor to The Andrews Company, Spartanburg, S. C. Heddle bar securing device. 1,964,843; July 3.
- Code Electric Products Corporation. (See Lewis, Morgan J., assignor.)
- Coder, Joseph, Marseilles, France. Coupling. 1,984,918; Dec. 18.
- Codman, Alta A., Boston, Mass. Food rack. Des. 92,162; May 8.
- Codney, Arthur O. (See Altmayer, F., and Codney.)
- Codney, Arthur O., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Charging plug. 1,978,449; Oct. 30.
- Codney, Arthur O., Cleveland Heights, and D. J. Somerville, South Euclid, assignors to Willard Storage Battery Company, Cleveland, Ohio. Variable resistance device. 1,947,828; Feb. 20.
- Codrington, George W., Lakewood, Ohio. Camshaft drive for radial engines. 1,975,826; Oct. 9.
- Codwise, Philip W., Kenmore, assignor to Certain-teed Products Corporation, New York, N. Y. Weather resisting material. 1,948,979; Feb. 27.
- Cody, Clifford S., Folcroft, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulating mechanism. 1,966,849; July 17.
- Cody, John J., Brooklyn, N. Y. Semiautomatic ordering and serving equipment for restaurants. 1,965,454; July 3.
- Cody, John P., Brooklyn, N. Y., assignor to M. A. and M. A. Jamison, Pittsburgh, Pa., a partnership doing business as Arbuckle Brothers. Bag-emptying device. 1,953,042; Mar. 27.
- Cody, Richard J., Evanston, assignor to Container Corporation of America, Chicago, Ill. Collapsible container. 1,947,190; Feb. 13.
- Coe, Almer. (See Coombs, J. F., and Coe.)
- Coe, Almer, & Company. (See Coombs, J. F., and Coe, assignors.)
- Coe, George B., New York, N. Y., assignor, by mesne assignments, to Tube Reducing Corporation, Wilmington, Del. Apparatus for working metal. 1,952,841; Mar. 27.
- Coe, Harrison S., Palo Alto, Calif. Density controlling apparatus. 1,957,941; May 8.
- Coe, Herbert W., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Container for lip sticks or the like. 1,966,884; July 17.
- Coe, James R., Watertown, assignor to The American Brass Company, Waterbury, Conn. Sawing jig. 1,964,194; June 26.
- Coe, James R., Watertown, assignor to The American Brass Company, Waterbury, Conn. Rolling mill. 1,965,219; July 3.
- Coe, James R., Watertown, assignor to The American Brass Company, Waterbury, Conn. Connecting strips of sheet metal. 1,980,154; Nov. 6.
- Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Tube reducing means. 1,980,186; Nov. 13.
- Coe, John S., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Branch-fitting for tubes and the like. 1,977,112; Oct. 16.
- Coe, Kathleen, Springfield, assignor to Westfield River Paper Company, Inc., Russell, Mass. Embossed transparent paper or similar material. Des. 93,156; Aug. 28.
- Coe Laboratories, Inc. (See Rice, William S., assignor.)
- Coe Manufacturing Company, The. (See Chevalier, Roger E., assignor.)
- Coe Manufacturing Company, The. (See Moore, Richard C., assignor.)
- Coe, Raymond. (See Davis, W., Cornet, and Coe.)
- Coen, Cranston J. (See Janson, J. B., and Coen.)
- Coen, Napoleone. (See Allioni, U., and Coen.)
- Coeur d'Alene Hardware & Foundry Company. (See Haugen, Edward, assignor.)

- Coffed, Earl J., Lancaster, assignor to Olive C. Jefferson, Yonkers, N. Y. Folding table. 1,963,612; June 19.
- Coffelder, Thomas N., Pittsburgh, Pa. Choke regulator. 1,969,358; Aug. 7.
- Coffelder, Thomas N., Pittsburgh, Pa. Dispensing device for paste or the like. 1,980,473; Nov. 13.
- Coffey, Barton H., Elizabeth, N. J., assignor to The Cooling Tower Co., Inc., New York, N. Y. Cooling tower. 1,948,980; Feb. 27.
- Coffey, Creta, Chicago, Ill., assignor to Nu-Dell Manufacturing Co. Inc. Cellophane hat or analogous article. Des. 92,701; July 10.
- Coffey, Creta, Chicago, Ill., assignor to Nu-Dell Mfg. Co. Inc. Manufacturing cellophane hats. 1,967,199; July 17.
- Convey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Railway car washing apparatus. 1,951,129; Mar. 13.
- Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Handling containers. 1,966,199; July 10.
- Coney, Samuel. (See Choate, M. F. S., Coffey, and Henshaw.)
- Coffey, Samuel, and R. W. Everatt, Huddersfield, England, assignor to Imperial Chemical Industries Limited. Azo dyes and their preparation. 1,975,223; Oct. 2.
- Coffield Washer Company Limited, The. (See Ryckman, Norman E., assignor.)
- Coffin, John R. (See Booth, R. D., Coffin, and Tigges.)
- Coffing, Fredrick W., Danville, Ill. Automatic centering electric hoist. 1,960,371; May 29.
- Coffing, Fredrick W., Danville, Ill. Free-chain hoist. 1,973,844; Sept. 18.
- Coffman, Bert L., Terre Haute, Ind. Cushion filling machine. 1,955,533; Apr. 17.
- Coffman, Donald D. (See Carothers, W. H., and Coffman.)
- Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogen-containing compound and preparing same. 1,964,720; July 3.
- Coffman, Floyd L. (See Sager, A. J., and Coffman.)
- Coffman, Roscoe A., Pittsburgh, Pa. Motor. 1,946,809; Feb. 6.
- Coffman, Samuel M., Kansas City, Mo. Freewheeling transmission mechanism. 1,944,220; Jan. 23.
- Coffman, Samuel M., Kansas City, Mo. Freewheeling transmission mechanism. 1,968,635; July 31.
- Cofrin, Austin E., Green Bay, Wis. Embossing attachment for paper making machines. 1,946,838; Feb. 13.
- Coggins, Leslie H., Meriden, Conn. Razor blade oiler. 1,974,175; Sept. 18.
- Coghlan, Thomas G. (See Allardice, T. B., and Coghlan.)
- Coghlan, Thomas G., Elizabeth, and E. A. Johnsen, deceased, Mountain Lakes, N. J., by S. A. Johnsen, Brooklyn, N. Y., executrix. Furnace. 1,943,949; Jan. 16.
- Cohagen, Donald E. (See Frohmuth, W. J., and Cohagen.)
- Cohan, Alice, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,075; Dec. 18.
- Cohan, Morris J., Brooklyn, assignor to Reliance Specialties Manufacturing Co., Inc., New York, N. Y. Soldering tool. 1,944,860; Jan. 23.
- Cohen, Abe, and J. Gately, Gretna, Nebr. Combined wheel lifter and skid control. 1,972,702; Sept. 4.
- Cohen, Anne, New York, N. Y., assignor to E. Richard Meinig Co., Inc., Reading, Pa. Bifurcated undergarment. 1,966,060; July 10.
- Cohen, Berry, Atlanta, Ga. Bicycle stand. 1,984,299; Dec. 11.
- Cohen, Daniel, Philadelphia, Pa. Combination cesspool, rain conductor, and catch basin. 1,960,806; May 29.
- Cohen, Elias, New York, N. Y. Connector for implement handles. 1,947,697; Feb. 20.
- Cohen, Elmore. (See McLaws, Adam J., assignor.)
- Cohen, Harry, New York, N. Y. Tourniquet. 1,957,992; May 8.
- Cohen, Harry, New York, N. Y. Perforating and staining mechanism. 1,976,387; Oct. 9.
- Cohen, Harry, New York, N. Y., assignor to Milbert Company. Tourniquet. 1,953,074; Apr. 3.
- Cohen, Harry, assignor to The Perfection Steel Body Company, Gallon, Ohio. Burial vault. Des. 92,390; June 5.
- Cohen, Harry, assignor to The Perfection Steel Body Company, Gallon, Ohio. Burial vault. Des. 92,381; July 31.
- Cohen, Harry, assignor to The Perfection Steel Body Company, Gallon, Ohio. Burial vault. Des. 93,383; Sept. 25.
- Cohen, Harry, assignor to The Perfection Steel Body Company, Gallon, Ohio. Burial vault. Des. 93,911; Nov. 27.
- Cohen, Harry L., Philadelphia, Pa. Floral piece and unit for use therewith. 1,960,476; May 29.
- Cohen, Herbert. (See Johnston, Edward, assignor.)
- Cohen, Jack M., New York, N. Y. Garment. 1,960,081; May 22.
- Cohen, Jacob. (See Connell, A. J., and Cohen.)
- Cohen, Joseph H., Bridgeport, Conn. Fender guide. Des. 92,582; June 26.
- Cohen, Joseph H., Bridgeport, Conn. Fender guide. Des. 92,583; June 26.
- Cohen, Joseph H., Bridgeport, Conn. Fender guide. Des. 92,584; June 26.
- Cohen, Joseph H., Bridgeport, Conn. Fender guide. Des. 92,585; June 26.
- Cohen, Joseph H., Bridgeport, Conn. Wire reel. 1,943,913; Jan. 16.
- Cohen, Joseph H., Bridgeport, Conn. Igniting device for cigar-lighters. 1,944,922; Jan. 30.
- Cohen, Joseph H., Bridgeport, Conn. Cigar-lighter. 1,944,923; Jan. 30.
- Cohen, Joseph H., Bridgeport, Conn. Cigar-lighter. 1,944,924; Jan. 30.
- Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. 1,944,925; Jan. 30.
- Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. 1,945,597; Feb. 6.
- Cohen, Joseph H., Bridgeport, Conn. Pyrophoric cigar lighter. 1,951,726; Mar. 20.
- Cohen, Joseph H., Bridgeport, Conn. Filter. 1,953,289; Apr. 3.
- Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. 1,959,410; May 22.
- Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. 1,959,524; May 22.
- Cohen, Leon, Los Angeles, Calif. Hat rack. Des. 93,090; Aug. 21.
- Cohen, Leon, Los Angeles, Calif. Hat stand and rack. 1,969,716; Aug. 14.
- Cohen, Leon, Los Angeles, Calif. Hat display device. 1,977,172; Oct. 16.
- Cohen, Louis, et al. (See Strohofer, Kenneth W., assignor.)
- Cohen, Louis L., Chicago, Ill. Electric lamp. Des. 93,003; Aug. 14.
- Cohen, Michael, Brooklyn, N. Y. Electrical outlet molding. 1,945,731; Feb. 6.
- Cohen, Peter L., Chicago, Ill. Device for baking bread and employing same. 1,971,903; Aug. 28.
- Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Variable condenser. 1,951,925; Mar. 20.
- Cohen, Samuel, Brooklyn, assignor to Radio Corporation of America, New York, N. Y. Variable condenser. 1,959,197; May 15.
- Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Compensating condenser. 1,959,814; May 22.
- Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Variable condenser. 1,966,918; July 17.
- Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Variable condenser. 1,966,919; July 17.
- Cohen, Samuel, Brooklyn, assignor to General Instrument Corporation, New York, N. Y. Mounting for rotor shaft of variable condenser. 1,984,464; Dec. 18.
- Cohen, Samuel I. (See Marinsky, Isaac, assignor.)
- Cohen, Theodore, assignor to Scientific Research Trust, Chicago, Ill. Sound recording and reproducing apparatus. 1,949,409; Mar. 6.
- Cohn, Adolph H., assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Transparent ribbon. 1,958,033; May 8.
- Cohn, Alfred, Milwaukee, Wis. Folding bed. 1,965,370; July 3.
- Cohn, David. (See Kalner, S., and Cohn.)
- Cohn, Irwin E., Merrick, N. Y., and W. E. Tait, Westport, Conn. Eyelash curler. 1,951,130; Mar. 13.
- Cohn, Ralph F., Dixon, Ill. Rotator. 1,942,202; Jan. 2.
- Coil, Grover C., assignor to Ohmer Fare Register Company, Dayton, Ohio. Web tensioning means. 1,952,196; Mar. 27.
- Coil, Grover C., assignor to Ohmer Fare Register Company, Dayton, Ohio. Printing odometer. 1,953,565; May 15.
- Coil, William D., Muncie, and W. J. De Reamer, Crown Point, assignors to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing material for fragile articles. 1,945,024; Jan. 30.
- Coith, Herbert S. (See Votaw, V. M., and Coith.)
- Col, Jean J., Clifton Springs, N. Y. Adjustable stand. 1,963,887; June 19.
- Colabrese, Francesco, Albert, W. Va. Pail protector. 1,959,262; May 15.
- Colaie Engineering Company, The. (See Maloney, George J., assignor.)
- Colas, Maurille, and H. Courtois, Montreal, Quebec, Canada. Circuit controller. 1,954,789; Apr. 17.
- Colas Roads, Inc. (See Gabriel, L. G., and Blott, assignors.)
- Colavito, Michael, and J. S. Merenna, Brooklyn, N. Y. Shoe. 1,941,853; Jan. 2.
- Colbert, George F., Pittsburgh, and W. H. Colbert, Brackenridge, Pa., assignors to Liberty Mirror Works. Mirror and making it. 1,942,686; Jan. 9.
- Colbert, William H., Brackenridge, Pa., assignor to Liberty Mirror Works. Rear view automobile mirror. Des. 92,837; July 24.
- Colbeth, Ivor M., Belleville, N. J., assignor to The Baker Castor Oil Company, New York, N. Y. Measuring instrument or testing device. 1,944,926; Jan. 30.
- Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Apparatus for controlling the position of staples in wirebound boxes. 1,944,493; Jan. 23.
- Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Work feed control means for locating staples in wirebound boxes. 1,944,494; Jan. 23.
- Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Strip wound tubular articles. 1,945,967; Feb. 6.

- Colbie, Gus L., Brooklyn, assignor to Chase Appliance Corporation, New York, N. Y. Anticreeping device for railway rails. 1,948,561; Feb. 27.
- Colbie, Gus L., Brooklyn, assignor to Chase Appliance Corporation, New York, N. Y. Metal crosstie. 1,948,562; Feb. 27.
- Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Binding wire twisting device. 1,955,409; Apr. 17.
- Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Method and apparatus for making tubular articles from strip material. 1,955,410; Apr. 17.
- Colbie, Gus L., Brooklyn, assignor to Hudson Electric Heating Corporation, New York, N. Y. Thermostatic control for electric circuits. 1,959,659; May 22.
- Colbie, Gus L., Brooklyn, assignor to Chase Appliance Corporation, New York, N. Y. Rail chair. 1,960,331; May 29.
- Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Sectional tubular article. 1,962,428; June 12.
- Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Making wirebound boxes. 1,980,474; Nov. 13.
- Colby, Carroll B., Briarcliff Manor, N. Y. Twine reel. Des. 91,984; Apr. 17.
- Colby, Elmer E. (See White, Frank M., assignor.)
- Colby, Haldwell S., Wellsville, N. Y. Motor-vehicle-heating system. 1,943,108; Jan. 9.
- Colby, Haldwell S., and P. H. Karlsson, assignors to Air Preheater Corporation, Wellsville, N. Y. Heat exchange installation. 1,970,127; Aug. 14.
- Colby, Haldwell S., and P. H. Karlsson, Wellsville, N. Y., assignors to Air Preheater Corporation. Heat exchange. 1,970,534; Aug. 14.
- Colby, Ora A., and K. Ehrigott, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Hotel range. 1,958,887; May 15.
- Colby, Vincent V., assignor to International Register Company, Chicago, Ill. Cutting machine. 1,974,642; Sept. 25.
- Colclasure, James O., assignor to Pioneer Corporation, Tulsa, Okla. Fuel burner. 1,975,067; Sept. 25.
- Cold Metal Process Company, The. (See Goss, Norman P., assignor.)
- Cold Metal Process Company, The. (See Steckel, Abram P., assignor.)
- Cold Metal Process Company, The. (See Steckel, A. P., and Lamb, assignors.)
- Coldwater Instrument Works. (See Miner, E. L., and Leatherman, assignors.)
- Coldwell, John S., Fall River, Mass. Two-way stretch elastic fabric. 1,961,961; June 5.
- Cold White Light Inc., The. (See de Lamprecht, Rodolph, assignor.)
- Cole, Arthur T., et al. (See Cole, Hugh L., assignor.)
- Cole, Charles, South Weymouth, assignor to Wheeler Reflector Company, Boston, Mass. Electric light fixture. 1,976,657; Oct. 9.
- Cole, Charles M., South Weymouth, assignor to Wheeler Reflector Company, Boston, Mass. Receptacle head for electric lights. 1,949,008; Feb. 27.
- Cole, Charles M., South Weymouth, assignor to Wheeler Reflector Company, Boston, Mass. Receptacle head for electric lights. 1,956,754; May 1.
- Cole, Charles M., South Weymouth, assignor to Wheeler Reflector Company, Boston, Mass. Electric light fixture. 1,971,705; Aug. 28.
- Cole, Clifford E., E. Morrison, Birmingham, Ala., and I. V. Sigsbee, Peoria, Ill., assignors to J. T. Huffstutler, Birmingham, Ala. Automatic fire alarm. 1,970,224; Aug. 14.
- Cole, Dale S. (See Leece, B. M., and Cole.)
- Cole, David L., et al. (See Miller, Frederick W., assignor.)
- Cole, Don. (See Chandler, M. E., and Cole.)
- Cole, Edward J., assignor, by mesne assignments, to H. M. Cole, Peekskill, N. Y. Self-locking nut. 1,966,613; July 17.
- Cole, Edward S. (See Crouse, George B., assignor.)
- Cole, Elmer K., assignor to Wej-Lock Manufacturing Company, Winterset, Iowa. Sheet metal fence post. 1,970,737; Aug. 21.
- Cole, Elwyn Z., Philadelphia, Pa. Nut lock. 1,957,095; May 1.
- Cole, Eugene M., Charlotte, N. C. Guano distributor. 1,981,222; Nov. 20.
- Cole, Eugene M., Charlotte, N. C. Fertilizer distributor. 1,981,223; Nov. 20.
- Cole, George W., Sharon, Mass. Direction indicator. 1,954,069; Apr. 10.
- Cole, Guy M. (See Phillips, W. M., and Cole.)
- Cole, Harry C., Philadelphia, Pa. Spraying machine. 1,978,566; Oct. 30.
- Cole, Harry C., Philadelphia, and A. L. Grammer, Meadowbrook, Pa. Dispensing container for powder. 1,982,949; Dec. 4.
- Cole, Harry G., Washington, D. C. Variable power mechanism. 1,974,354; Sept. 18.
- Cole, Harry H., Eagle River, assignor of three-fourths to A. H. Meyer, Oshkosh, Wis. Mercury switch. 1,974,411; Sept. 25.
- Cole, Harry H., Eagle River, assignor of three-fourths to A. H. Meyer, Oshkosh, Wis. Identification camera. 1,983,898; Dec. 11.
- Cole, Helen M. (See Cole, Edward J., assignor.)
- Cole, Herman E., Binghamton, N. Y. Invalid hoist. 1,968,477; July 31.
- Cole, Howard S., jr., Pasadena, and E. R. Cox, Los Angeles, Calif., assignors to The Texas Company, New York, N. Y. Recovery of gasoline from natural gas. 1,953,043; Mar. 27.
- Cole, Howard S., jr., Pasadena, and E. R. Cox, Los Angeles, Calif., assignors to The Texas Company, New York, N. Y. Natural gasoline recovery. 1,969,207; Aug. 7.
- Cole, Howard S., jr., Pasadena, and E. R. Cox, Los Angeles, Calif., assignors to The Texas Company, New York, N. Y. Recovery of gasoline from natural gas. 1,972,060; Aug. 28.
- Cole, Hugh L., Chicago, assignor, by mesne assignments, to A. T. Cole, Wheaton, and H. L. Cole and L. D. Summers, Chicago, Ill. Crimping and sealing edge for light gauge sheet materials. 1,951,470; Mar. 20.
- Cole, James R., et al. (See Livingston, Jay K., assignor.)
- Cole, John E. (See Lubs, H. A., and Cole.)
- Cole, John E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing. 1,967,569; July 24.
- Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Lathe headstock. 1,945,598; Feb. 6, 1934.
- Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Lathe. 1,946,839; Feb. 13.
- Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Lathe drive. 1,947,829; Feb. 20.
- Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Machine tool. 1,960,896; May 29.
- Cole, Norman W., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Welding rod. 1,951,750; Mar. 20.
- Cole Nursery Company, The. (See Horvath, Michael H., assignor.)
- Cole, R. D., Manufacturing Co. (See Blackburn, Bryan M., assignor.)
- Cole, R. D., Manufacturing Co. (See Trapnell, John M., assignor.)
- Cole, Rolla A., and E. C. Tresler, Ste. Genevieve Mo., assignors of one-third to J. H. Barley, York, Pa. Cable grip. 1,963,693; June 19.
- Cole, Samuel L., Brooklyn, N. Y. Apparatus for manufacturing electrical condensers. 1,956,916; May 1.
- Cole, Thomas L., and A. J. Kinsella, Norristown, Pa. Revolving test plug. 1,984,864; Dec. 18.
- Cole, Winston H., Portland, Oreg. Toothbrush. 1,960,807; May 29.
- Colegrove, Charles E., Lakewood, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Sewing machine. Des. 93,091; Aug. 21.
- Colella and Leighton Shoe Company. (See Colella, Pasquale, assignor.)
- Colella, Louis A., assignor of one-third to M. Schell and one-third to M. G. Pearce, Detroit, Mich. Sole pressing apparatus. 1,964,195; June 26.
- Colella, Pasquale, Nabant, assignor to Colella and Leighton Shoe Company, Lynn, Mass. Shoe. Des. 93,816; Nov. 13.
- Coleman, Clarence E. (See Evans, D. F., and Coleman.)
- Coleman, Edward A., St. Louis, Mo. Grave marker. 1,966,922; July 17.
- Coleman, Elmer W., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Structural member. 1,977,715; Oct. 23.
- Coleman, Frederick, Albany, N. Y. Attachment for electric lamps. 1,960,049; May 22.
- Coleman, Gerald H. (See Britton, E. C., Coleman, and Hadler.)
- Coleman, Gerald H. (See Grebe, J. J., Coleman, and Reilly.)
- Coleman, Gerald H. (See Martin, L. F., and Coleman.)
- Coleman, Harold F., East Milton, assignor to United Drug Company, Boston, Mass. Shipping and display container. 1,942,537; Jan. 9.
- Coleman, James T., Emeryville, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Clamp. 1,983,933; Dec. 11.
- Coleman, John B., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmitting system. 1,985,019; Dec. 18.
- Coleman, John G., Lansing, assignor to General Motors Corporation, Detroit, Mich. Piston balancing machine. 1,979,959; Nov. 6.
- Coleman, John H., Elizabeth, N. J., assignor to The Warner Chemical Company, New York, N. Y. Making disodium phosphate. 1,961,127; June 5.
- Coleman Lamp and Stove Company, The. (See Olds, Ambrose D., assignor.)
- Coleman Lamp and Stove Company, The. (See Tullis, Boyd W., assignor.)
- Coleman, Richard B., Kansas City, Mo. Time controlled flushing apparatus. 1,985,314; Dec. 25.
- Coleman, Richard L., West Hartford, Conn. Investment. 1,962,764; June 12.
- Coleman, Spencer A., Groton, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Drier. 1,978,341; Oct. 23.
- Coleman, Stanton B., Rutledge, Pa. Insect trap. 1,941,659; Jan. 2.
- Coleman, Thomas A., Carbondale, Pa. Gas burner. 1,980,321; Nov. 13.

- Coleman, William B., Arlington, assignor to Congoleum-Nairn Inc., Kearny, N. J. Installation of linoleum. 1,968,246; July 31.
- Coleman, William C., Wichita, Kans. Coffeemaker. Des. 93,648; Oct. 23.
- Coles, Ross, assignor to Griffith-Hope Company, Milwaukee, Wis. Dispensing device. Des. 92,455; June 12.
- Coles, Walter H., and B. J. Nelson, assignors to The Skinner Irrigation Company, Troy, Ohio. Sprinkler. 1,950,712; Mar. 13.
- Coles, Walter H., and B. J. Nelson, assignors to The Skinner Irrigation Company, Troy, Ohio. Sprinkler. 1,954,863; Apr. 17.
- Coley, Bradley L. (See Clark, Lancaster P., assignor.)
- Colgin, Rufus A., assignor to W. C. Norris, Tulsa, Okla. Pull rod connection. 1,949,368; Feb. 27.
- Colglazier, Edward G., W. E. Ball, and L. P. Willis, Pueblo, Colo. Ladder snubber. 1,982,572; Nov. 27.
- Colgren, Andrew F., assignor to Rummier, Rummier & Woodworth, Chicago, Ill. Dissipation of frictional heat in brake drums. 1,956,855; May 1.
- Colie, Claud C., Bloomington, Ill. Drape stand. Des. 93,639; Oct. 9.
- Colin, David H. (See Wachs, Benjamin and M. A., and Colin.)
- Collapso Table Company. (See Bontemps, Joseph, assignor.)
- Colledge, E. W., General Sales Agent, Inc. (See Omansky, Morris.)
- Collet, Pierre, and René Loiseau; said Collet assignor to Les Fils D'Albert Collet, Paris, France. Replacing railroad rails. 1,941,930; Jan. 2.
- Collette, Emery R., New York, N. Y. Cork pulling device. 1,981,781; Nov. 20.
- Colley, George F., assignor to L. McCulloch, Memphis, Tenn. Starter spring. 1,985,342; Dec. 25.
- Collier Advertising Service, Inc. (See Giles, Harvey, assignor.)
- Collier, Simon, Waukegan, Ill., and R. H. Soulis, Detroit, Mich., assignors to Johns-Manville Corporation, New York, N. Y. Friction element and making the same. 1,967,224; July 24.
- Collingbourne, Albert B. (See Snyder, Helen I., assignor.)
- Collingbourne, Albert B., Elgin, Ill. Package of tape and sewing thread. 1,954,616; Apr. 10.
- Collingbourne, Albert B., Elgin, Ill. Package of tape and sewing thread or the like. 1,954,617; Apr. 10.
- Collingbourne, Albert B., Elgin, Ill. Loom. 1,975,924; Oct. 9.
- Collings, Fred C., jr. (See Hoover, R., and Collings.)
- Collings, Frederick C. (See Hoover, R., and Collings.)
- Collings, Frederick C., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Monitor printer system for quotation boards. 1,943,654; Jan. 16.
- Collings, Thomas G. (See Long, J. W., and Collings.)
- Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Calcium chloride solution. 1,958,034; May 8.
- Collings, William R., and D. L. Gibb, assignors to The Dow Chemical Company, Midland, Mich. Article of manufacture. 1,942,354; Jan. 2.
- Collins, A. M., Manufacturing Company. (See Collins, Henry H., assignor.)
- Collins & Aikman Corporation. (See Bird, Whitworth F., assignor.)
- Collins & Aikman Corporation. (See Hartley, Albert, assignor.)
- Collins & Aikman Corporation. (See Hewton, William R., assignor.)
- Collins, Albert B., et al. (See Munson, Willard T., assignor.)
- Collins, Albert B., Santa Monica, Calif. Automatic gear shift. 1,970,738; Aug. 21.
- Collins, Anthony H., Bronxville, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring apparatus. 1,945,258; Jan. 30.
- Collins, Arnold M. (See Carothers, W. H., and Collins.)
- Collins, Arnold M. (See Carothers, W. H., Collins, and Kirby.)
- Collins, Arnold M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process for preparing halogen butadienes. 1,950,435; Mar. 13.
- Collins, Arnold M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing chlorobutadiene and resulting product. 1,967,861; July 24.
- Collins, Arnold M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical product and producing same. 1,967,865; July 24.
- Collins, Arnold M., and L. L. Larson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated material and making same. 1,967,863; July 24.
- Collins, Arthur E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cap and making the same. 1,974,203; Sept. 18.
- Collins, Carteret F., Tunbridge Wells, England. Dish and like washing machine. 1,941,660; Jan. 2.
- Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Fluid measuring apparatus. 1,946,275; Feb. 6.
- Collins, Charles E., Kansas City, Mo. Stilt. 1,984,114; Dec. 11.
- Collins, Charles L., Portland, Oreg. Traffic signal device. 1,963,293; June 19.
- Collins, Charles W., Seattle, Wash. Brake. 1,956,315; Apr. 24.
- Collins, Charles W., Seattle, Wash. Brake mechanism. 1,956,316; Apr. 24.
- Collins, Claude R., New York, N. Y. Fountain toothbrush. 1,944,067; Jan. 16.
- Collins, Cornelius, San Francisco, Calif. Metallic studing and plate. 1,985,150; Dec. 18.
- Collins, Douglas, Salisbury, N. C. Carburetor. 1,984,252; Dec. 11.
- Collins, Edgar V., Ames, Iowa. Cultivator attachment for tractors. 1,945,882; Feb. 6.
- Collins, Edgar V., Ames, Iowa. Three-row cultivator attachment for tractors. 1,964,559; June 26.
- Collins, Edgar V., Ames, Iowa. Planter attachment for vehicles. 1,972,703; Sept. 4.
- Collins, Edward W., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Stripping machine. 1,970,031; Aug. 14.
- Collins, Edward W., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Coll wrapping machine. 1,981,946; Nov. 27.
- Collins, Ennis R., Indianapolis, Ind. Glass holder. 1,949,708; Mar. 6.
- Collins, Ernest V., jr. (See Landon, N. R., and Collins, jr.)
- Collins, Frank J., et al. (See Knapton, Walter L., assignor.)
- Collins, George, Chicago, Ill. Ash tray. 1,970,128; Aug. 14.
- Collins, Harold B., Wynnewood, Pa. Coaster pad. 1,971,337; Aug. 28.
- Collins, Henry E., et al. (See Munson, Willard T., assignor.)
- Collins, Henry E., Dunmore, Pa. Cork covered spindle. 1,941,738; Jan. 2.
- Collins, Henry H., assignor to A. M. Collins Manufacturing Company, Philadelphia, Pa. Roll shade. 1,949,356; Feb. 27.
- Collins, Howard W., Detroit, Mich. Building construction. 1,955,948; Apr. 24.
- Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Headlight tester. 1,968,070; July 31.
- Collins, James H., Chicago, Ill. Guard for stoves. 1,974,643; Sept. 25.
- Collins, Joel L., Baltimore, Md., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Meat cooker adjuster. 1,970,168; Aug. 14.
- Collins, John E. (See Souhier, L. D., and Collins.)
- Collins, John E., Toledo, Ohio, and J. E. McLaughlin, Alton, Ill., assignors to Owens-Illinois Glass Company. Method of and apparatus for making glassware. 1,949,899; Mar. 6.
- Collins, John L. (See Dodge, R. L., Collins, and Lietzke.)
- Collins, John M., assignor to Moore Drop Forging Company, Springfield, Mass. Uniting metals. 1,978,415; Oct. 30.
- Collins, Joseph L. (See Sprague, R. C., and Collins.)
- Collins, Joseph P., St. Louis, Mo. Radiator shield or cover. 1,981,030; Nov. 20.
- Collins, Lawrence A., Long Beach, Calif. Electric liquid heater. 1,944,495; Jan. 23.
- Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Control mechanism for compressor valves. 1,985,600; Dec. 25.
- Collins, Paul F., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Dental investment composition and process. 1,953,075; Apr. 3.
- Collins, Roy V., Oakland, Calif. Ash receiver for tables. 1,963,651; June 19.
- Collins Supply & Equipment Co. (See Munson, Willard T., assignor.)
- Collins, Thomas B., Strathbungo, Glasgow, Scotland. Separating and collecting dust particles and liquid globules. 1,970,077; Aug. 14.
- Collins, Timothy, assignor of one-half to A. W. Nash, Los Angeles, Calif. Partition construction. 1,951,346; Mar. 20.
- Collins, Tom, Corporation, The. (See Orton, J. R., and Fuerst, assignors.)
- Collins, William J., Emporia, Kans. Detachable shoe heel. 1,970,689; Aug. 21.
- Collison, Edward E. (See Kirk, C. R., and Collison.)
- Collison, Edward E., assignor to The Capehart Corporation, Fort Wayne, Ind. Automatic phonograph. 1,955,534; Apr. 17.
- Collison, Edward E., and E. Degenhart, assignors to The Capehart Corporation, Fort Wayne, Ind. Automatic phonograph. 1,962,858; June 12.
- Collison, Edward E., and E. Degenhart, assignors to The Capehart Corporation, Fort Wayne, Ind. Record changing mechanism. 1,970,691; Aug. 21.
- Collison, John G., assignor to Au-Vo-Col Corporation, Cleveland, Ohio. Valve. 1,985,078; Dec. 18.
- Collison, Thomas A., assignor to Mt. Vernon Car Manufacturing Co., Mount Vernon, Ill. Coal-loading machine. 1,943,235; Jan. 9.
- Collom, Samuel H., assignor to Pennsylvania Flexible Metallic Tubing Company, Philadelphia, Pa. Flexible hose or conduit. 1,954,724; Apr. 10.
- Collom, Samuel H., assignor to Pennsylvania Flexible Metallic Tubing Company, Philadelphia, Pa. Flexible conduit. 1,960,139; May 22.
- Colloseus, Heinrich, Berlin, Germany. Primary cell. 1,978,624; Oct. 30.
- Collyear, John R. (See Baxenden, T. G., and Collyear.)

- Colman, Howard D. (See Dewey, Ritchie P., assignor.)
 Colman, Howard D. (See Drake, George F., assignor.)
 Colman, Howard D. (See Lilja, Edgar D., assignor.)
 Colman, Howard D. (See Price, John R., assignor.)
 Colman, Howard D. (See Stewart, Duncan J., assignor.)
 Colman, Howard D., Rockford, Ill. Storing transmitter. 1,962,136; June 12.
 Colomb, Henri, Tavannes, Switzerland. Winding device for watches. 1,944,654; Jan. 23.
 Colomb, Henri, Tavannes, Switzerland. Spring-end connection. 1,962,056; June 5.
 Colombani, Colomban, Paris, France. Stop for bottles by metallic capsules. 1,961,872; June 5.
 Colombo, Vincenzo, and G. Olivari, Milan, assignors to Gassificatore Lampo Società Anonima, Rome, Italy. Naphtha gasifier or vaporizer. 1,973,524; Sept. 11.
 Colonial Broach Company. (See Halborg, Carl J., assignor.)
 Colonial Broach Company. (See Hart, William A., assignor.)
 Colonial Iron Works Company, The. (See Challinor, Charles G., assignor.)
 Colonial Radio Corporation. (See Gates, Howard A., assignor.)
 Colonial Radio Corporation. (See Streng, Jan, assignor.)
 Colonial Trust Company et al., executors. (See Summey, David L., assignor.)
 Colony Management Corporation. (See Allen, S. E., and Wiswell, assignors.)
 Colony Management Corporation. (See Emrick, William H., assignor.)
 Colony, Myron W. (See Beardsley, E. W., and Colony.)
 Colorado Fuel and Iron Company, The. (See Bailey, William H., assignor.)
 Colorado Fuel and Iron Company, The. (See Bailey, W. H., and Gustafson, assignors.)
 Colorado Fuel and Iron Company, The. (See Thompson, G. S., and Bagley, assignors.)
 Colorado Iron Works Company. (See Dickson, Thomas A., assignor.)
 Color-Photo, Inc. (See Kelley, William V. D., assignor.)
 Colour Photography (British and Foreign) Limited. (See Murray, H. D., and Spencer, assignors.)
 Colourgravure Limited. (See Hillman, Albert G., assignor.)
 Colpe, George G. (See Colpe, Lorne H., assignor.)
 Colpe, Lorne H., Hollywood, assignor of one-half to G. G. Colpe, Los Angeles, Calif. Cigarette mouth-piece. 1,967,269; July 24.
 Colquhoun, Peter M., Lakewood, Ohio, assignor to Multigraph Company, Wilmington, Del. Type setting machine. 1,957,444; May 8.
 Colquhoun, Peter M., Lakewood, Ohio, assignor, by mesne assignments, to Multigraph Company. Paper feeding mechanism for printing machines. 1,965,578; July 10.
 Colson Company, The. (See Pehrsson, Sven J., assignor.)
 Colson Company, The. (See Sawyer, Richard V., assignor.)
 Colt, Edwin W. (See Woodward, C. B., Keefe, and Colt.)
 Colt, Rutger B., Elizabeth, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Drift angle indicator. 1,966,850; July 17.
 Colt, Samuel S., Orange, N. J. Concrete form tierod and fastening therefor. 1,973,609; Sept. 11.
 Coltman, Harry, assignor of one-half to Walter Black, Nelson, New Zealand. Flushing cistern. 1,952,583; Mar. 27.
 Colton, Arthur, assignor, by mesne assignments, to Parke, Davis & Co., Detroit, Mich. Machine for placing sealing caps on bottles. 1,955,949; Apr. 24.
 Colt's Patent Fire Arms Manufacturing Co. (See Conner, Benjamin F., assignor.)
 Colt's Patent Fire Arms Manufacturing Co. (See Moore, Frederick T., assignor.)
 Colt's Patent Fire Arms Manufacturing Co. (See Perry, James W., assignor.)
 Colt's Patent Fire Arms Manufacturing Co. (See Schmalz, William F., assignor.)
 Colt's Patent Fire Arms Manufacturing Co. (See Webb, George, assignor.)
 Colucci, Giuseppe, Naples, Italy. Friction change speed gear. 1,981,582; Nov. 20.
 Columbia Appliance Corporation. (See Gans, John, assignor.)
 Columbia Appliance Corporation. (See Tolman, Charles P., assignor.)
 Columbia Axle Company, The. (See Harper, George W., assignor.)
 Columbia Axle Company, The. (See Turner, R. J., and Ragan, assignors.)
 Columbia Axle Company, The. (See Wood, Clarence G., assignor.)
 Columbia Cheese Company. (See Mirabella, Benedict P., assignor.)
 Columbia Engineering Corporation. (See Lewis, Clair H., assignor.)
 Columbia Graphophone Company. (See Blumlein, Alan D., assignor.)
 Columbia Graphophone Company. (See Blumlein, A. D., and Holman, assignors.)
 Columbia Graphophone Company, Limited. (See Blumlein, Alan D., assignor.)
 Columbia Phonograph Company. (See Capps, F. L., and Prescott, assignors.)
 Columbia Phonograph Company. (See Haffling, Eric V., assignor.)
 Columbia Phonograph Company. (See Massey, Augustine H., assignor.)
 Columbia Phonograph Company. (See Mitchell, Frank A., assignor.)
 Columbia Phonograph Company. (See Prescott, John O., assignor.)
 Columbia Phonograph Company. (See Prescott, J. O., and Franck, assignors.)
 Columbia Phonograph Company. (See Williams, William E., assignor.)
 Columbian Carbon Company. (See Lewis, George C., assignor.)
 Columbian Enameling & Stamping Co. (See Nelson, Andrew W., assignor.)
 Columbian Rope Company. (See Dodge, Milo C., assignor.)
 Columbian Rope Company. (See Metcalf, Harold G., assignor.)
 Columbian Rope Company. (See Metcalf, H. G., and Bowen.)
 Columbus Auto Parts Company, The. (See Milligan, John B., assignor.)
 Columbus Auto Parts Company, The. (See Minister, Harry T., assignor.)
 Columbus Coated Fabric Corporation. (See Brooks, Harold H., assignor.)
 Columbus Dental Manufacturing Company, The. (See Collins, Paul F., assignor.)
 Columbus Heating and Ventilating Company. (See Reeves, Edward R., assignor.)
 Columbus Heating and Ventilating Company. (See Spencer, Raymond M., assignor.)
 Columbus McKinnon Chain Company. (See Stahl, Frank E., assignor.)
 Columbus McKinnon Chain Co. (See Stahl, F. E., Cotesworth, and Robins, assignors.)
 Columbus McKinnon Chain Corporation, The. (See Stahl, Frank E., assignor.)
 Columbus Metal Products Inc. (See Donley, Harold B., assignor.)
 Columbus Metal Products Inc. (See Yerges, Howard F., assignor.)
 Columbus Mills, The. (See Burns, Fred J., assignor.)
 Columbus Vending Company, The. (See Vogel, Frank H. and R. A., assignors.)
 Columbus Vending Company, The. (See Vogel, Ralph A., assignor.)
 Columnar Heat, Incorporated. (See Kimball, D. D., and Cucci, assignors.)
 Colver, Charles C., Oak Park, assignor, by mesne assignments, to Triangle Package Machinery Co., Chicago, Ill. Feeding mechanism for carton filling machines. 1,953,928; Apr. 10.
 Colvilles Limited. (See Hand, Thomas W., assignor.)
 Colvin, Charles H., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Liquid level indicating device. 1,978,987; Oct. 30.
 Colvin, Hervey A., Saginaw, Mich. Discharge means for dust collector ducts. 1,965,825; July 10.
 Colvin, Hervey A., Saginaw, Mich. Hopper. 1,971,032; Aug. 21.
 Colvin, Nolan D. (See Coultas, W. J., and Colvin.)
 Colvin, William, Jr., Troy, N. Y. Fabric. 1,965,542; July 3.
 Colvin, William, Jr., Troy, N. Y. Textile fabric. 1,977,264; Oct. 16.
 Colvin, William, Jr., Troy, N. Y. Textile fabric. 1,977,265; Oct. 16.
 Colwell, Archie T., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making inlaid metal valves. 1,980,716; Nov. 13.
 Colwell, Archie T., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making hollow head valves. 1,984,728; Dec. 18.
 Colwell, Benjamin F., Pecos, Tex. Napkin holder for trays. 1,985,561; Dec. 25.
 Colyer, Edwin C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Safety means for addressing machines. 1,975,074; Oct. 2.
 Colyer, Edwin C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,982,374; Nov. 27.
 Colvulc Rubber Company. (See Sylvester, Percy N., assignor.)
 Combs, James H., Lexington, Ky. Tobacco stick. 1,954,725; Apr. 10.
 Combs, Nellie. (See Wareing, Joseph, assignor.)
 Combustion Engineering Corporation. (See Kreisinger, H., and Bell, assignors.)
 Combustion Engineering Corporation. (See Weigel, A. C., McIntire, and Bowman, assignors.)
 Combustion Utilities Corporation. (See Bhagwat, Madhav R., assignor.)
 Combustion Utilities Corporation. (See Brandegee, Morris M., assignor.)
 Combustion Utilities Corporation. (See Fulton, Karl H., assignor.)
 Combustion Utilities Corporation. (See Granger, Frederick S., assignor.)
 Combustion Utilities Corporation. (See Loebell, H. O., and Klees, assignors.)
 Combustion Utilities Corporation. (See Luedeke, Arthur W., assignor.)
 Combustion Utilities Corporation. (See Plummer, William B., assignor.)

- Combustioneer, Inc. (See Burton, Warren D., assignor.)
 Combustioneer Inc. (See Burton, W. D., and May, assignors.)
 Combustioneer, Inc. (See McAdams, J. E., and Burton, assignors.)
 Comeau, Joseph A., Boston, Mass. Knife grinding mechanism. 1,946,311; Feb. 6.
 Comer, Victor T., assignor of ten per cent to George B. White, San Francisco, Calif. Electrical coin tester and ejector. 1,963,402; June 19.
 Comfort Ear-Lap Co. (See Abraham, Solomon D., assignor.)
 Comfort, Horace W. (See Johnson, E. L., and Comfort.)
 Comiskey, Dell A., et al. (See Comiskey, Joseph W., assignor.)
 Comiskey, Joseph W., assignors of one-third to D. A. Comiskey and one-third to J. Siciliano, Johnstown, Pa. Plug connector for electrical appliances. 1,981,854; Nov. 27.
 Commander-Larabee Corporation. (See Dietz, Carl F., assignor.)
 Commerce Guardian Bank, The. (See Hallerberg, Theodore W., assignor.)
 Commerce Guardian Bank, The, as trustee. (See Nagel, William G., assignor.)
 Commerce, Secretary of. (See Dunmore, Francis W., assignor.)
 Commerce, Secretary of. (See Isbell, Horace S., assignor.)
 Commercial Display Company. (See Baumeister, Fitch J., assignor.)
 Commercial Filters Corporation. (See Goldman, Maurice A., assignor.)
 Commercial Iron Works. (See Welcome, S. B., and Muff, assignors.)
 Commercial Shearing & Stamping Company, The. (See Galanot, Camille P., assignor.)
 Commercial Shearing & Stamping Company, The. (See Patton, Willis A., assignor.)
 Commercial Shearing & Stamping Company, The. (See Proctor, Robert V., assignor.)
 Commercial Shearing and Stamping Company, The. (See Proctor, R. V., and Cushman, assignors.)
 Commercial Shearing & Stamping Company, The. (See Proctor, R. V., and Stephens, assignors.)
 Commercial Shearing & Stamping Company. (See Stephens, William T., assignor.)
 Commercial Shirt Corp., The. (See Tucker, Ralph, assignor.)
 Commercial Solvents Corporation. (See Bannister, William J., assignor.)
 Commercial Solvents Corporation. (See Bannister, W. J., and Kichma, assignors.)
 Commercial Solvents Corporation. (See Bass, S. L., and Fenn, assignors.)
 Commercial Solvents Corporation. (See Bloomfield, G., Swallen, and Crawford, assignors.)
 Commercial Solvents Corporation. (See Bogin, Charles, assignor.)
 Commercial Solvents Corporation. (See Edmonds, William J., assignor.)
 Commercial Solvents Corporation. (See Gabriel, Charles L., assignor.)
 Commercial Solvents Corporation. (See Gabriel, C. L., and Swallen, assignors.)
 Commercial Solvents Corporation. (See Hancock, Clarence W., assignor.)
 Commercial Solvents Corporation. (See Swallen, Lloyd C., assignor.)
 Commercial Solvents Corporation. (See Woodruff, J. C., Bloomfield, and Kichma, assignors.)
 Commerzinag Aktiengesellschaft. (See Closmann, E. A., Vorsatz, and Kasper, assignors.)
 Commons, Charles H., Jr. (See Kinzie, C. J., and Commons.)
 Commonwealth Manufacturing Co., Inc. (See Pettit, James A., assignor.)
 Communication Patents, Inc. (See Gillespie, Henderson C., assignor.)
 Communication Patents, Inc. (See Macalpine, William W., assignor.)
 Communication Patents, Inc. (See Nicolson, Alexander McL., assignor.)
 Communication Patents, Inc. (See Pooler, Louis G., assignor.)
 Como, Frank E., and J. A. Farrar, Ware, Mass. Pressure ignition switch. 1,960,662; May 29.
 Compagnia Nazionale Aeronautica. (See Gianini, Carlo, assignor.)
 Compagnie de Bethune. (See Chaux, René, assignor.)
 Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue. (See Beja, Maurice, assignor.)
 Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue. (See Cartoux, Henri G., assignor.)
 Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue. (See Rochet, Joseph, assignor.)
 Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue. (See Torchet, Pierre J. M., assignor.)
 Compagnie des Forges de Chatillon Commeny & Neuves-Maisons. (See Quichon, Paul, assignor.)
 Compagnie des Forges et Acierles de la Marine et d'Homecourt. (See Granat, Elie, assignor.)
 Compagnie Generale de Distillation et Cokefaction à Basse Temperature et Miniere (Intertruss) Societe Anonyme. (See Schäfer, Joseph, assignor.)
 Compagnie Generale d'Electricite. (See Bénéit, Henri, assignor.)
 Compagnie Generale de Telegraphie. (See Chireix, Henri, assignor.)
 Compagnie Generale de Telegraphie. (See Villem, Raymond, assignor.)
 Compagnie Generale de Telegraphie sans Fil. (See Aubert, Roger, assignor.)
 Compagnie Generale de Telegraphie sans Fil. (See Bellini, Ettore, assignor.)
 Compagnie Generale de Telegraphie sans Fil. (See Chireix, Henri, assignor.)
 Compagnie Generale de Telegraphie sans Fil. (See Morel, Jacques, assignor.)
 Compagnie Generale de Telegraphie sans Fil. (See Ponte, Maurice, assignor.)
 Compagnie Generale de Telegraphie sans Fil. (See Villem, R., and Aubert.)
 Compagnie Generale de Telegraphie sans Fil. (See Wasserman, Marian G., assignor.)
 Compagnie Internationale des Pieux Armes Frankignoul Société Anonyme. (See Frankignoul, E., and Poussin, assignors.)
 Compagnie Internationale Oenologique. (See Vingerhoets, Georges, assignor.)
 Compagnie Lorraine de Charbons pour l'Electricite. (See Lemaigre, L. E., assignor.)
 Compagnie pour la Fabrication des Compteurs et Material d'Usines à Gaz. (See Barthelemy, René, assignor.)
 Compagnie pour la Fabrication des Compteurs et Material d'Usines à Gaz. (See Chirol, Maurice, assignor.)
 Compagnie Royale Asturienne Des Mines. (See Guignet, Léon A., assignor.)
 Compare, Renato, Lake Success, N. Y., assignor, by mesne assignments, to Vari-Lux Corporation. Electrical display apparatus. 1,960,618; May 29.
 Comper, Adrian, assignor to Hospital Appliances, Inc., Pittsfield, Mass. Hospital bed. 1,974,101; Sept. 18.
 Comper, Adrian, assignor to Hospital Appliances, Inc., Pittsfield, Mass. Hospital bed. 1,974,102; Sept. 18.
 Compo, John J., Defiance, Ohio. Coupling. 1,975,925; Oct. 9.
 Compo Shoe Machinery Corporation. (See Brothers, Eli, assignor.)
 Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)
 Compo Shoe Machinery Corporation. (See Holland, F., and Damon, assignors.)
 Compo Shoe Machinery Corporation. (See McKenna, William E., assignor.)
 Compo Shoe Machinery Corporation. (See Weiss, Arthur J., assignor.)
 Compton, Francis M., et al. (See Dixon, J. W., and Filer, assignors.)
 Compton, John, Organ Company Limited, The. (See Taylor, James I., assignor.)
 Compton, Reed, et al. (See Dixon, J. W., and Filer, assignors.)
 Comstock, Daniel F., Boston, Mass. Color photography. 1,956,274; Apr. 24.
 Comstock, Ernest E., assignor of eight per cent to P. D. Mastenbrook, El Centro, Calif. Machine for classifying finger prints. 1,977,229; Oct. 16.
 Comstock, George F., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Ferro-titanium alloy and making same. 1,946,670; Feb. 13.
 Comstock, George F., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Refractory cement. 1,952,119; Mar. 27.
 Comstock, George F., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Refractory and making same. 1,952,120; Mar. 27.
 Comstock, George F., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High-strength cast iron and making the same. 1,955,791; Apr. 24.
 Comstock, George S., Steelton, Pa., assignor to Bethlehem Steel Company. Safety fastening for doors. 1,952,584; Mar. 27.
 Comstock, George S., Steelton, Pa., assignor to Bethlehem Steel Company. Arc-welding machine. 1,957,489; May 8.
 Comstock, Gregory J., Edgewood, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Ferrous alloy. 1,946,130; Feb. 6.
 Comstock, Gregory J., Edgewood, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Cemented hard carbide material. 1,973,428; Sept. 11.
 Comstock, Gregory J., Edgewood, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Making ferrous alloys. 1,975,310; Oct. 2.
 Comstock, Gregory J., Edgewood, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Hard cemented carbide material. 1,981,719; Nov. 20.
 Comstock, Gregory J., Edgewood, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Hard cemented carbide material. 1,982,857; Dec. 4.

- Comstock, James A., assignor to The Acme Electric & Manufacturing Company, Cleveland, Ohio. Transformer. 1,954,557; Apr. 10.
- Comstock, James A., assignor to Wonder Specialties, Inc., Cleveland, Ohio. Microphone. 1,976,835; Oct. 16.
- Comstock & Westcott, Inc. (See Weaver, Eastman A., assignor.)
- Comstock & Westcott, Inc. (See Weaver, E. A., and Whitney, assignors.)
- Comstock & Westcott, Inc. (See Whitney, Lyman F., assignor.)
- Comte, Frederick, Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of meta cresol from meta cresol-para cresol mixtures. 1,980,384; Nov. 13.
- Comte, Frederick, Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of para cresol from a liquid phenolic mixture. 1,980,385; Nov. 13.
- Comyn, Bernard D., Glasgow, Scotland. Apparatus for separating liquids. 1,984,057; Dec. 11.
- Conant, James B. (See Bridgman, P. W., and Conant.)
- Conant, Stanley F., Littleton, assignor to United Elastic Corporation, Easthampton, Mass. Elastic webbing. 1,985,852; Dec. 25.
- Conard-Pyle Company, The. (See Dot, Pedro, assignor.)
- Conard-Pyle Company. (See Krause, Max, assignor.)
- Conarroe, Grace A., Calhan, Colo. Automobile engine hood. 1,981,093; Nov. 20.
- Conaway, Charles W., Great Neck, N. Y. Shoe style display. 1,973,373; Sept. 11.
- Conaway, Rollin F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of methyl vinyl ketone. 1,967,225; July 24.
- Concord Chenille Co. (See Gross, Harry, assignor.)
- Concord Silversmiths, Inc. (See Simms, Charles F., assignor.)
- Condé, Lole. (See Mueller, Robert H. and F. H., and Condé.)
- Condenser Corporation of America. (See Danziger, Harold L., assignor.)
- Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
- Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)
- Condit Electrical Manufacturing Corporation. (See Macneil, Frederick H., assignor.)
- Condon, Edward T. (See Nisbet, Theodore B., assignor.)
- Condon, Edward T., New York, N. Y. Combined directional and tail or driving lamp for motor vehicles. Des. 91,551; Feb. 20.
- Condon, Edward T., New York, N. Y. Combined directional and tail or driving lamp for motor vehicles. Des. 91,552; Feb. 20.
- Condon, Edward T., New York, N. Y. Combined directional and tail or driving lamp for motor vehicles. Des. 91,553; Feb. 20.
- Condon, Robert S. (See Kearney, E. J., and Condon.)
- Condon, Robert S., assignor to Gleason Works, Rochester, N. Y. Hydraulic control and operating mechanism for machine tools. 1,971,598; Aug. 28.
- Condon, Robert S., assignor to Gleason Works, Rochester, N. Y. Method of and machine for grinding gears. 1,979,870; Nov. 6.
- Condon, Robert S., and A. P. Schausell, assignors to Gleason Works, Rochester, N. Y. Gear cutting machine. 1,976,984; Oct. 16.
- Condor Products, Inc. (See Knoll, Floyd A., assignor.)
- Condron, Mark M., Memphis, Tenn. Automatic adjusting splined gear-wheel seat. 1,943,266; Jan. 9.
- Condrup, Carl O., assignor to Thermal Industrial & Chemical (T. I. C.) Research Company, Limited, Allington House, London, England. Preparing tar for use on roads. 1,968,746; July 31.
- Cone, Alfred I., New York, N. Y. Receptacle closure for sifter cans and the like. 1,970,557; Aug. 21.
- Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,948,563; Feb. 27.
- Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass rolling machine. 1,975,827; Oct. 9.
- Cone, Carroll, Lucas County, assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner. 1,950,046; Mar. 6.
- Cone, Carroll, Lucas County, assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner. 1,953,590; Apr. 3.
- Cone, Charles N. (See Davidson, G., Cone, Laucks, and Banks.)
- Cone, Charles N., assignor to I. F. Laucks, Inc., Seattle, Wash. Adhesive and making same. 1,976,436; Oct. 9.
- Cone, Charles N., and E. D. Brown, Seattle, Wash., assignors, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Protein product and process of making. 1,955,375; Apr. 17.
- Cone, Charles N., and E. D. Brown, assignors to I. F. Laucks, Inc., Seattle, Wash. Compounded adhesives and making. 1,962,808; June 12.
- Cone, Charles N., and H. Galber, assignors to I. F. Laucks, Inc., Seattle, Wash. Making an adhesive and the product thereof. 1,976,435; Oct. 9.
- Cone, Frank L., Windsor, Vt. Work holding and feeding mechanism. 1,979,366; Nov. 6.
- Cone, Frank L., Windsor, Vt. Work-holding mechanism. 1,979,367; Nov. 6.
- Cone, Frank L., Windsor, Vt. Double end automatic lathe. 1,984,176; Dec. 11.
- Cone, Frank L., Windsor, Vt. Chucking mechanism. 1,984,177; Dec. 11.
- Cone, Ralph B., Long Island City, N. Y. Baseball batting practice machine. 1,962,087; June 5.
- Cone, Ralph R., Glen Ellyn, Ill. Dispensing device. 1,964,609; June 26.
- Conewago Textiles, Inc. (See McClintock, William J., Jr., assignor.)
- Conforti, Carmine M., and F. F. Norden, New York, N. Y. Cuspidor stand. 1,947,970; Feb. 20.
- Congoleum-Nairn, Inc. (See Bonney, R. D., and Egge, assignors.)
- Congoleum-Nairn, Inc. (See Bonney, R. D., and Maguire, assignors.)
- Congoleum-Nairn, Inc. (See Coleman, William B., assignor.)
- Congoleum-Nairn, Inc. (See Hawkes, A. W., and Bonney, assignors.)
- Congoleum-Nairn, Inc. (See Hazlehurst, Edward, assignor.)
- Congoleum-Nairn, Inc. (See Veit, Walter, assignor.)
- Congreve, Ralph H. (See Cates, V. K., Congreve, Pedersen, and Seaver.)
- Conill, Fernan O., Cannes, France. Apparatus for the waving of the hair. 1,979,531; Nov. 6.
- Conklin, Bruce, Huntington, N. Y., assignor to J. R. Sloane, Princeton, N. J. Pump, motor, compressor, or the like. 1,979,368; Nov. 6.
- Conklin, Charles A., 3d. (See Abbott, C. F., and Conklin.)
- Conklin, Claude C., Patchogue, N. Y. Toy magazine gun. 1,985,079; Dec. 18.
- Conklin, Earl B., Detroit, Mich., and J. J. Lawton, Syracuse, assignors to Semet-Solway Company, New York, N. Y. Fractionation of liquids. 1,954,790; Apr. 17.
- Conklin, Henry E., Roslyn, N. Y. Educational model building. Des. 92,053; Apr. 17.
- Conklin, James W. (See Finch, J. L., and Conklin.)
- Conklin, James W., Rocky Point, Long Island, N. Y., assignor to Radio Corporation of America. Frequency control. 1,945,544; Feb. 6.
- Conklin, James W., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency modulation. 1,965,332; July 3.
- Conklin, James W., Rocky Point, N. Y., assignor to Radio Corporation of America. Line controlled apparatus. 1,970,952; Aug. 21.
- Conklin, John H., assignor to The Gong Bell Manufacturing Company, East Hampton, Conn. Toy telephone. 1,975,893; Oct. 9.
- Conklin Pen Company, The. (See Bassett, Gerald L., assignor.)
- Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door operating mechanism. 1,949,645; Mar. 6.
- Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Pneumatic treadle control mechanism. 1,975,828; Oct. 9.
- Conkling, Helen G., Los Angeles, Calif. Apparatus for coating surfaces. 1,968,992; Aug. 7.
- Conlee, Rolland O., Escondido, Calif. Fruit washer brush holder. 1,970,032; Aug. 14.
- Conley, Brooks L. (See Kingston, F. S., and Conley.)
- Conlin, John B., Joliet, Ill. Bottle. 1,968,747; July 31.
- Conlon Corporation. (See Janda, Rudolph W., assignor.)
- Conn, C. G., Ltd. (See Burke, Philip J., assignor.)
- Conn, C. G., Ltd. (See Greenleaf, Leland B., assignor.)
- Conn, C. G., Ltd. (See Ludwig, William F., assignor.)
- Conn, C. G., Ltd. (See Schaefer, Louis M., assignor.)
- Conn, C. G., Ltd. (See Schwartz, Harry W., assignor.)
- Conn, Carl E., Los Angeles, Calif. Mucus surface scraper and medicinal distributor. 1,983,601; Dec. 11.
- Connecticut Telephone and Electric Corporation. (See Cadieux, Joseph O., assignor.)
- Connecticut Telephone and Electric Corporation. (See Young, Frank A., assignor.)
- Connell, Andrew J., and J. Cohen, assignors to Superior Steel Door and Trim Co., Inc., College Point, N. Y. Combined metallic base and conduit. 1,942,137; Jan. 2.
- Connell, Edwin L., East Cleveland, Ohio. Clutch. 1,954,620; Apr. 10.
- Connell, Edwin L., Towson, Md., assignor to The Black & Decker Manufacturing Company. Portable fender tool. 1,952,908; Mar. 27.
- Connell, George A., San Pedro, and T. M. Cramer, Long Beach, Calif., and H. B. Caldwell, Chicago, Ill., assignors to Pacific Coast Borax Company. Method and apparatus for evaporating and cooling liquids. 1,972,730; Sept. 4.
- Connell, James J., assignor, by mesne assignments, to G. G. Bratton, Detroit, Mich. Nut lock washer. Re19,222; June 26.
- Connell, Karl, Branch, N. Y. Flow gauge. 1,965,333; July 3.
- Connell, William J., Rochester, N. Y. Hat support or hanger. 1,957,096; May 1.
- Connolly, George F., San Francisco, Calif. Tire tread splitting apparatus. 1,945,883; Feb. 6.
- Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Re19,249; July 24.

- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bracelet or similar article. Des. 91,604; Feb. 27.
- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bracelet or similar article. Des. 91,605; Feb. 27.
- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Button. Des. 91,606; Feb. 27.
- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Button. Des. 91,607; Feb. 27.
- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Button. Des. 91,608; Feb. 27.
- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 93,455; Oct. 2.
- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 93,456; Oct. 2.
- Conner, Benjamin F., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 93,704; Oct. 30.
- Conner, Benjamin F., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Container closure with applicator. 1,966,581; July 17.
- Conner, Edward A., Bridgeport, Conn., assignor, by mesne assignments, to American Cable Company, Inc., New York, N. Y. Stranding. 1,972,290; Sept. 4.
- Conner, Edward A., Stratford, and H. G. Robinson, Waterbury, Conn., assignors to American Chain Company, Inc. Metal working machine. 1,955,535; Apr. 17.
- Connelly, Alder F. (See Woodward, M. H., and Connelly.)
- Connet, Richard E., assignor to Builders Iron Foundry, Providence, R. I. Fluid meter. 1,958,610; May 15.
- Connolly, Gerald C. (See Miller, E. B., and Connolly.)
- Connolly, Gerald C., assignor, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Treating hydrocarbons. 1,965,031; July 3.
- Connolly, Gerald C., and A. F. Wurzbacher, assignors, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Refining liquid hydrocarbons. 1,943,583; Jan. 16.
- Connolly, Gerald C., and E. B. Miller, assignors, by mesne assignments, to C. F. Hockley, receiver for the Silica Gel Corporation, Baltimore, Md. Refrigeration process and adsorbents therefor. 1,947,381; Feb. 13.
- Connolly, Gerald C., and J. A. Pierce, assignors, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Gel and making same. 1,976,875; Oct. 16.
- Connolly, Gerald C., and J. A. Pierce, assignors, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Producing catalytic masses. 1,985,343; Dec. 25.
- Connolly, James E., Baltimore, Md. Bandage. 1,967,923; July 24.
- Connolly, James E., Baltimore, Md. Safety razor. 1,975,535; Oct. 2.
- Connolly, John C. (See Bridgewater, H. E., and Connolly.)
- Connolly, Martin J., Washington, D. C., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Package. 1,975,253; Oct. 2.
- Connolly, William F. (See Culp, Jay S., assignor.)
- Connor, Ernest, Windsor, Ontario, Canada, assignor to Wheel Service Equipment Corporation, Detroit, Mich. Mechanism for truing distorted metal wheel rims. 1,955,358; Apr. 17.
- Connor, John H., Newton, and M. M. Merritt, Middleton, assignors to The Tanning Process Company, Boston, Mass. Material and method applicable to the treating of hides, skins, and leather. 1,954,798; Apr. 17.
- Connor, Kirke W., and F. M. Kern, Detroit, Mich., assignors to Micromatic Hone Corporation. Vacuum attachment for cylinder hones. 1,952,492; Mar. 27.
- Connor, Roger L., and N. S. Welk, assignors to The McBee Company, Athens, Ohio. Accounting device. 1,958,743; May 15.
- Connors, George H., assignor to Highway Trailer Company, Edgerton, Wis. Automatic coupling and shut-off mechanism for vehicle hose lines. 1,973,610; Sept. 11.
- Connors, George H., assignor to Highway Trailer Company, Edgerton, Wis. Adapter unit for fifth wheels. 1,973,611; Sept. 11.
- Connors, George H., assignor to Highway Trailer Company, Edgerton, Wis. Fifth wheel coupling mechanism for vehicles. 1,976,255; Oct. 9.
- Connors, John W., Washington, D. C. Transmission gearing for automotive vehicles. 1,944,069; Jan. 16.
- Conover Company, The. (See Stoddard, Edgar S., assignor.)
- Conover Company, The. (See Stoddard, E. S., and Piekarski, assignors.)
- Conover Company, The. (See Stoddard, E. S., and Rykert, assignors.)
- Conover, Courtney, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Making benzoic acid. 1,942,389; Jan. 2.
- Conover, Courtney, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Making benzoic acid. 1,942,390; Jan. 2.
- Conover, Harvey, Evanston, Ill. Bearing construction. 1,962,429; June 12.
- Conquest, Victor. (See Christensen, C. W., and Conquest.)
- Conquest, Victor, assignor to Armour and Company, Chicago, Ill. Hide preservation. 1,961,740; June 5.
- Conrad, Earl W., Warsaw, Ind. Lifting jack. 1,954,558; Apr. 10.
- Conrad, Frank, and C. Aalborg, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Refrigerator. 1,982,375; Nov. 27.
- Conrad, Friedrich, Berlin-Charlottenberg, assignor to Siemens & Halske, Aktiengesellschaft, Seimensstadt, near Berlin, Germany. Motor interference elimination system. 1,969,779; Aug. 14.
- Conrad, Joshua C., Fort Worth, Tex., assignor to Continental Gin Company. Seed cotton cleaning and hulling machine. 1,963,260; June 19.
- Conrad, Karl F. (See Payne, R., and Conrad.)
- Conrad-Pyle Company, The. (See Mallerin, Charles, assignor.)
- Conrads, Herman, and L. A. Laas, Maxwell; said Laas assignor to O. M. Hoffman, Caldwell County, Tex. Drop planter box attachment. 1,971,250; Aug. 21.
- Conradty, Ottmar, Nuremberg, Germany. Holder for incandescent lamps. 1,948,166; Feb. 20.
- Conradty, Ottmar, Nuremberg, Germany. Body for use in electrolysis. 1,957,940; May 8.
- Conran, William F., Brooklyn, N. Y. Standpipe system. 1,953,671; Apr. 3.
- Conroy, Edward J., New Haven, assignor to International Silver Company, Meriden Conn. Spoon or other article of flatware. Des. 91,511; Feb. 20.
- Conry, Rose A., Milton, Mass. Collapsible electric stove. 1,959,198; May 15.
- Consolidated Advertising Corp. (See Hyde, William C., assignor.)
- Consolidated Aircraft Corporation. (See Gwinn, Joseph M., Jr., assignor.)
- Consolidated Aircraft Corporation. (See Laddon, Isaac M., assignor.)
- Consolidated Ashcroft Hancock Company. (See Beck, Rudolf, assignor.)
- Consolidated Ashcroft Hancock Company. (See Darling, Philip G., assignor.)
- Consolidated Ashcroft Hancock Company. (See Eplett, Albert D., assignor.)
- Consolidated Ashcroft Hancock Company. (See Graesser, Carl H., assignor.)
- Consolidated Ashcroft Hancock Company. (See Hopkins, Frank H., assignor.)
- Consolidated Ashcroft Hancock Company. (See McMullin, J. C., and Hammett, assignors.)
- Consolidated Ashcroft Hancock Company. (See Williston, Belvin T., assignor.)
- Consolidated Ashcroft Hancock Company, Inc. (See Suhr, Frederic J., assignor.)
- Consolidated Car-Heating Company. (See Conway, John W., assignor.)
- Consolidated Car-Heating Company. (See Fulton, William H., assignor.)
- Consolidated Car-Heating Company. (See Hyatt, Louis C., assignor.)
- Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
- Consolidated Car-Heating Company. (See Oakley, George E., assignor.)
- Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
- Consolidated Car Heating Company. (See Touceda, Enrique G., assignor.)
- Consolidated Car-Heating Company, Inc. (See Hawley, C. S., and Parsons, assignors.)
- Consolidated Car-Heating Company, Inc. (See Parsons, Robert J., assignor.)
- Consolidated Car-Heating Company, Inc. (See Parsons, R. J., and Conway, assignors.)
- Consolidated Electric Company. (See Gardeen, Carl J., assignor.)
- Consolidated Electric Lamp Company. (See Holmes, Frank J., assignor.)
- Consolidated Expanded Metal Companies, The. (See Cross, Leonard W., assignor.)
- Consolidated Expanded Metal Companies, The. (See Herbest, Thomas R., assignor.)
- Consolidated Expanded Metal Companies. (See Herbest, Thomas R., Jr., assignor.)
- Consolidated Gas Company of New York, The. (See Walker, W. S., and Forberg, assignors.)
- Consolidated Industries, Inc. (See Runnels, Paul P., assignor.)
- Consolidated International Corporation. (See Malocsay, Francis X., assignor.)
- Consolidated Laundries Corporation. (See De Fraine, John H., assignor.)
- Consolidated Machine Tool Corporation of America. (See Trosch, Alfred, assignor.)
- Consolidated Mining and Smelting Company of Canada, Limited. (See Finland, J. J., Turnbull, and McIntyre, assignors.)
- Consolidated Mining and Smelting Company of Canada, Limited. (See Lee, Frederick E., assignor.)
- Consolidated Mining and Smelting Company of Canada Limited, The. (See Stimmel, B. A., McBean, and Cruickshank, assignors.)

- Consolidated Mounting and Finishing Corp. (See Stein, Samuel B., assignor.)
- Consolidated Packaging Machinery Corp. (See Cundall, Robert N., assignor.)
- Consolidated Paper Company, The. (See Verhoven, Kramer E., assignor.)
- Consolidated Safety Pin Company. (See Hagel, Albert, assignor.)
- Consolidated Shipbuilding Corporation. (See Christen, Albert, assignor.)
- Consolidated Signal Company. (See Vincent, Orville L., assignor.)
- Consolidated Steel Corporation. (See August, Leslie E., assignor.)
- Consolidated Steel Corporation. (See De Camp, Ray E., assignor.)
- Consolidated Wire and Associated Corporations. (See Mann, Paul L., assignor.)
- Consorte, John. (See Mahan, Leonard D., assignor.)
- Consortium für Elektrochemische Industrie. (See Meingast, R., and Mugdan, assignors.)
- Consortium für Elektrochemische Industrie G. m. b. H. (See Eibner, A., Herrmann, Haehnel, and Miller, assignors.)
- Consortium für Elektrochemische Industrie. G. m. b. H. (See Herrmann, W. O., and Haehnel, assignors.)
- Consortium für Elektrochemische Industrie G. m. b. H. (See Mugdan, M., and Wimmer, assignors.)
- Constable, Asa F., Randolph Field, Tex. Reaction apparatus. 1,953,954; Apr. 10.
- Constant, Pierre. (See Butez, P., and Constant.)
- Constantin, Louis, Paris, France. Device for stabilizing airplanes by means of wind-vanes. 1,956,755; May 1.
- Constantine, Maria, New York, N. Y., and C. L. Atwater, Weston, Conn. Cap. Des. 91,923; Apr. 10.
- Construction Equipment Company. (See Benson, Jesse M., assignor.)
- Construction Materials Development Corporation. (See Fiordlisi, Ernesto, assignor.)
- Construction Materials Patents, Inc. (See Mills, George W., Jr., assignor.)
- Construction Materials Patents, Inc. (See Siegfried, Clarence E., assignor.)
- Container Corporation of America. (See Cody, Richard J., assignor.)
- Container Corporation of America. (See Flynn, Roy L., assignor.)
- Container Corporation of America. (See Goodnow, Charles H., assignor.)
- Container Corporation of America. (See Halladay, J. F., and Holy, assignors.)
- Container Corporation of America. (See Holy, Mitchel E., assignor.)
- Container Corporation of America. (See Parnin, Maurice J., assignor.)
- Container Corporation of America. (See Potter, Earl C., assignor.)
- Container Corporation of America. (See Walter, Harrison B., assignor.)
- Container Corporation of America. (See Weaver, Josiah A., assignor.)
- Contal, Camille, St. Cloud, France. Projection apparatus for publicity or other uses. 1,950,047; Mar. 6.
- Contant, Peter M., Maywood, N. J., assignor to Necker Water Softener Corporation, New York, N. Y. Flow control system. 1,971,338; Aug. 28.
- Conterman, Fred A., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Centrifugal extractor. 1,966,920; July 17.
- Conterman, Fred A., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Centrifugal extractor. 1,966,921; July 17.
- Conti, Pablo, Chicago, Ill. Pinning top and holder. Des. 91,420; Jan. 30.
- Conti Products Corp. (See Nordlinger, Stephen L., assignor.)
- Conti, Vincent, New York, N. Y. Electric brush for teeth and the like. 1,981,688; Nov. 20.
- Continental Aircraft Engine Company. (See Du Bois, Ralph N., assignor.)
- Continental Aircraft Engine Company. (See Insley, R., and Niven, assignors.)
- Continental Aircraft Engine Company. (See Meyer, Andre, J., assignor.)
- Continental Aircraft Engine Company. (See Niven, Archie M., assignor.)
- Continental Aircraft Engine Company. (See Snyder, Oscar L., assignor.)
- Continental Can Company. (See Coyle, John, assignor.)
- Continental Can Company. (See Cross, Jack M., assignor.)
- Continental Can Company. (See Dodge, Merton L., assignor.)
- Continental Can Company. (See Dodge, M. L., and Laxo, assignors.)
- Continental Can Company. (See Dodge, M. L., and Pearson, assignors.)
- Continental Can Company. (See Fink, H. A., and Schmidt, assignors.)
- Continental Can Company. (See Geeseman, Delbert B., assignor.)
- Continental Can Company. (See Hansen, Chris, assignor.)
- Continental Can Company. (See Hodgson, William W., assignor.)
- Continental Can Company. (See Kronquest, A. L., and Sedwick, assignors.)
- Continental Can Company. (See McKinnis, Ronald B., assignor.)
- Continental Can Company. (See McLhinney, John J., assignor.)
- Continental Can Company. (See Myhrum, Thomas, assignor.)
- Continental Can Company. (See Punte, W. F., and Aulbach, assignors.)
- Continental Can Company. (See Schrader, Herbert, assignor.)
- Continental Can Company. (See Stevenson, Arthur E., assignor.)
- Continental Can Company. (See Troyer, N., and Pearson, assignors.)
- Continental Can Company, Inc. (See Aulbach, Charles J., assignor.)
- Continental Can Company, Inc. (See Baker, Greeley, assignor.)
- Continental Can Company, Inc. (See Coyle, John, assignor.)
- Continental Can Company, Inc. (See Emmons, Clarence L., assignor.)
- Continental Can Company, Inc. (See Kronquest, Alfred L., assignor.)
- Continental Can Company, Inc. (See Kronquest, A. L., and McKinnis, assignors.)
- Continental Can Company, Inc. (See O'Brien, Frank J., assignor.)
- Continental Can Company, Inc. (See O'Neil, James H., assignor.)
- Continental Can Company, Inc. (See Palmer, Mervin O., assignor.)
- Continental Can Company, Inc. (See Prah, Frederick A., assignor.)
- Continental Can Company, Inc. (See Punte, William F., assignor.)
- Continental Can Company, Inc. (See Renshaw, Joseph H., assignor.)
- Continental Can Company, Inc. (See Schmitt, Otto A., assignor.)
- Continental Can Company, Inc. (See Sedwick, Matthew M., assignor.)
- Continental Can Company, Inc. (See Troyer, Nelson, assignor.)
- Continental Can Company, Inc. (See Troyer, N., and Pearson, assignors.)
- Continental Ceramics Corporation. (See Hellmann, Louis E., assignor.)
- Continental Ceramics Corporation. (See Wesp, George, assignor.)
- Continental Coffee Company. (See Ehrenreich, Frank C., assignor.)
- Continental-Diamond Fibre Company. (See Bengel, Frank H., assignor.)
- Continental-Diamond Fibre Company. (See D'Aubigne, Emile M., assignor.)
- Continental Diamond Fibre Company. (See Haroldson, Arthur, assignor.)
- Continental-Diamond Fibre Company. (See Howard, Leonard L., assignor.)
- Continental Diamond Fibre Company. (See Newkirk, Floyd F., assignor.)
- Continental-Diamond Fibre Company. (See Simons, Frank K., assignor.)
- Continental-Divco Company. (See Herman, Kenneth R., assignor.)
- Continental-Divco Company. (See Maurer, E. R., and Ferguson, assignors.)
- Continental Drug Corporation. (See Luly, Herman L., assignor.)
- Continental Equipment Company. (See Phillips, I. M., and Kalinsey, assignors.)
- Continental Gin Company. (See Conrad, Joshua C., assignor.)
- Continental Gin Company. (See Deems, Frank E., assignor.)
- Continental Gin Company. (See Elliott, Thomas, assignor.)
- Continental Gin Company. (See Smith, Algernon L., assignor.)
- Continental Illinois National Bank and Trust Company of Chicago. (See Mason, Arthur J., assignor.)
- Continental Milk, Inc. (See Milner, E., and Walter, assignors.)
- Continental Motors Corporation. (See Bachle, Carl F., assignor.)
- Continental Motors Corporation. (See Evelyn, Steven F., assignor.)
- Continental Motors Corporation. (See Fink, James O., assignor.)
- Continental Motors Corporation. (See Harris, William W., assignor.)
- Continental Motors Corporation. (See Harris, W. W., assignor, and Tatter.)
- Continental Motors Corporation. (See Hauke, Gilbert F., assignor.)
- Continental Motors Corporation. (See Kinnucan, J. W., and Fink, assignors.)
- Continental Motors Corporation. (See Kreis, Oscar C., assignor.)
- Continental Motors Corporation. (See McVeigh, John R., assignor.)

- Continental Motors Corporation. (See Meyer, Andre J., assignor.)
- Continental Motors Corporation. (See Niven, Archie M., assignor.)
- Continental Motors Corporation. (See Smith, Verus M., assignor.)
- Continental Motors Corporation. (See Timian, Harold H., assignor.)
- Continental Motors Corporation. (See Waddell, William, assignor.)
- Continental Oil Company. (See Boylan, Joseph S., assignor.)
- Continental Oil Company. (See Henriksen, A., and Lincoln.)
- Continental Oil Company. (See Lincoln, Bert H., assignor.)
- Continental Oil Company. (See Lincoln, B. H., and Henriksen, assignors.)
- Continental Oil Company. (See Moran, D. J., and Bennett, assignors.)
- Continental Oil Company. (See Ramsey, Erle M., assignor.)
- Continental Optical Company, Inc. (See Soden, Fred H., assignor.)
- Continental Optical Manufacturing Company. (See Duckwall, Frank E., assignor.)
- Continental Optical Manufacturing Company. (See Pearson, John H., assignor.)
- Continental Paper & Bag Corp. (See Falk, Theodore S., assignor.)
- Continental Paper & Bag Corporation. (See Gustin, Anton, assignor.)
- Continental Roll & Steel Foundry Co. (See Thomson, James, assignor.)
- Continental Rubber Works. (See Henkel, Paul H., assignor.)
- Continental Scale Works. (See Hutchinson, I. K., and Wolff, assignors.)
- Continental Scale Works. (See Weber, Mathias J., assignor.)
- Continental Scale Works. (See Weber, M. J., and Vanderhoff, assignors.)
- Continental Steel Corporation. (See Williams, George N., assignor.)
- Contos, Constantine and S. G., Chicago, Ill. Wrapping confections. 1,951,131; Mar. 13.
- Contos, Soter G. (See Contos, C. and S. G.)
- Controlador Corporation. (See Hansen, Ernest A., assignor.)
- Convers, Wilber H., Poughkeepsie, N. Y. Wire coating machine. 1,957,942; May 8.
- Converse, Charles C., Bismarck, N. Dak. Antiglare shield. 1,967,868; July 24.
- Conway, Alfred A., Cincinnati, Ohio. Clutch. 1,973,199; Sept. 11.
- Conway, George E. (See Brooke, H., Conway, and Parker.)
- Conway, Irvin M. (See McNamara, L. C., Conway, Bissell, Harold, and Wicker.)
- Conway, James W., and A. May, assignors to American Lecithin Corporation, Atlanta, Ga. Making margarin and composition used therein. 1,965,490; July 3.
- Conway, John J., assignor to The Acme Shear Company, Bridgeport, Conn. Pair of scissors or similar article. Des. 93,912; Nov. 27.
- Conway, John J., assignor to The Acme Shear Company, Bridgeport, Conn. Merchandise display stand. 1,946,779; Feb. 13.
- Conway, John J., assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Fastener holder. 1,953,062; Apr. 3.
- Conway, John W. (See Parsons, R. J., and Conway.)
- Conway, John W., Mechanicville, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Door motor. 1,957,697; May 8.
- Conway, Thomas G., Chatham, assignor to National Lock Washer Company, Newark, N. J. Bus or car window construction. 1,962,809; June 12.
- Conway, Thomas G., Chatham, S. E. Blessin, Verona, and J. Schunk, assignors to National Lock Washer Company, Newark, N. J. Bus or car window construction. 1,976,773; Oct. 16.
- Conway, Thomas J., Kansas City, Mo. Nonslip attachment for shoes. 1,967,867; July 24.
- Conwell, Laura E. (See Conwell, Myers C., assignor.)
- Conwell, Myers C., assignor to L. E. Conwell, Milford, Conn. Tool head. 1,962,951; June 12.
- Conwell, William J., assignor to G. I. Sellers & Sons Company, Incorporated, Elwood, Ind. Kitchen cabinet. 1,949,827; Mar. 6.
- Conwill, Fred F., Berkeley, Calif. Nerve testing device. 1,977,115; Oct. 16.
- Coozan, John E., Carbondale, Pa. Alarm control for clocks. 1,957,390; May 1.
- Cook, A. D., Inc. (See Swanson, Raymond E., assignor.)
- Cook, A. D., Inc. (See Willers, George E., assignor.)
- Cook, Adoniram J., Westerlo, N. Y. Car truck journal box. 1,942,954; Jan. 9.
- Cook, Alonzo H., Waterloo, Iowa. Cable terminal. 1,971,706; Aug. 28.
- Cook, C. Lee, Manufacturing Company. (See Kirn, R. E., and Durham, assignors.)
- Cook, Calvin P., Arlington, Mass., assignor to Swift and Company, Chicago, Ill. Branding pork loins. 1,964,455; June 26.
- Cook, Calvin P., Arlington, Mass., assignor to Swift and Company, Chicago, Ill. Branding pork loins. 1,969,208; Aug. 7.
- Cook, Charles T., Lakewood, Ohio. Adjustable hat block. 1,949,828; Mar. 6.
- Cook, Charles W., Buffalo, N. Y. Automobile body lock. 1,945,257; Jan. 30.
- Cook, Earle S. (See Fitch, E. R., and Cook.)
- Cook, Earle S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,976,876; Oct. 16.
- Cook, Earle S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,980,322; Nov. 13.
- Cook, Earnshaw. (See Angel, H. H., and Cook.)
- Cook Electric Company. (See Baker, John S., assignor.)
- Cook Electric Company. (See Schultz, Roy M., assignor.)
- Cook, Emma K., St. Louis, Mo. Fan protector. 1,971,332; Aug. 28.
- Cook, Frank M., San Francisco, Calif. Dispensing device. 1,973,867; Sept. 18.
- Cook, George, Minneapolis, Minn. Pile. 1,954,070; Apr. 10.
- Cook, George C., Millington, N. J. Cinder or dust collector. 1,943,297; Jan. 16.
- Cook, George C., Millington, N. J. Cinder or dust collector. 1,959,345; May 22.
- Cook, George H., assignor of one-fourth to E. L. Abbott, and one-fourth to A. J. Roberts, Santa Barbara, Calif. Semiautomatic transmission. 1,957,578; May 8.
- Cook, Harold A., Wesleyville, Pa., assignor to General Electric Company. Cabinet shelf. 1,974,983; Sept. 25.
- Cook, Harris J., assignor to The Stanley Works, New Britain, Conn. Cutting tool. 1,956,275; Apr. 24.
- Cook, Harry A., assignor to General Motors Corporation, Detroit, Mich. Chassis wiring cleat. 1,965,882; July 10.
- Cook, Howard A. and S. T., Southfield, Mass. Tennis racket and stringing same. 1,980,783; Nov. 13.
- Cook, James R., Narberth, Pa. Circuit change device. 1,956,980; May 1.
- Cook, Jay W., assignor to The C and W Wire Container Company, Detroit, Mich. Wire container. 1,952,056; Mar. 27.
- Cook, John E., Philadelphia, Pa. Roofing strip and making the same. 1,950,840; Mar. 13.
- Cook, Kenneth B., Providence, R. I., assignor, by mesne assignments, to Manville Jenckes Corporation. Slasher. 1,944,221; Jan. 23.
- Cook, L. B. (See Alpern, Harry, assignor.)
- Cook Laboratories Inc. (See Heineman, Paul G., assignor.)
- Cook, Leon W. (See Clarke, L. A., and Cook.)
- Cook, Lydia, Burlington, Iowa. Device for destroying vermin. 1,944,784; Jan. 23.
- Cook, Norman, Manchester, England. Weaver's knotter. 1,974,846; Sept. 25.
- Cook Paint & Varnish Company. (See Heck, Adolf, assignor.)
- Cook Paint & Varnish Company. (See Jones, Jason W., assignor.)
- Cook, Paul and P. P., Seattle, Wash. Self sharpening safety razor. 1,978,988; Oct. 30.
- Cook, Paul P. (See Cook, Paul and P. P.)
- Cook, Ralph C., assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of light distillate produced in distilling or cracking hydrocarbons. 1,945,599; Feb. 6.
- Cook, Ralph C., Burlington, Wis., assignor to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbon oils. 1,956,856; May 1.
- Cook & Ransom. (See Sanders, C. H., and Ransom, assignors.)
- Cook, Raymond W., assignor to Wallace Barnes Company, Bristol, Conn. Combination manicure implement and tweezers. Des. 92,163; May 8.
- Cook, Robert C., Lanham, Md. Proportional mask. 1,976,278; Oct. 9.
- Cook, Robert V., assignor to Fairbanks, Morse & Company, Chicago, Ill. Underground pumping system. 1,964,033; June 26.
- Cook, Robert V., assignor to Fairbanks, Morse & Company, Chicago, Ill. Pumping system. 1,964,034; June 26.
- Cook, Robert V., and F. H. Bradford; said Cook assignor to Fairbanks, Morse & Company, Chicago, Ill. Pumping equipment. 1,964,032; June 26.
- Cook, Stanley T. (See Cook, Howard A. and S. T.)
- Cook, Stephen C., Brooklyn, assignor to Phinney-Walker Co. Inc., New York, N. Y. Electric timepiece. 1,969,876; Aug. 14.
- Cook, Wallace L., assignor to Reliable Electric Company, Chicago, Ill. Unprotected cable terminal. 1,964,871; July 3.
- Cook, Wilder H., Athens, N. Y. Hoof moistener. 1,956,276; Apr. 24.
- Cook, Willard G., Forest Hills, assignor to The Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa. Acceleration control means. 1,982,338; Nov. 27.
- Cook, Willard O., O. O. Miller, and J. C. Whetzel, Pittsburgh, Pa., assignors to American Sheet and Tin Plate Company. Manufacture of metal coated sheets. 1,945,884; Feb. 6.
- Cooke, Alfred F., Pittsburgh, Pa. Controlling mechanism especially for greenhouse ventilators. 1,983,521; Dec. 11.

- Cooke & Cobb Company, The. (See Taeger, William G., assignor.)
- Cooke, Ellery S. (See Fitch, E. R., and Cook.)
- Cooke, Frank V., Detroit, Mich. Slip joint. 1,973,702; Sept. 18.
- Cooke, George T., South Norwalk, Conn. Grease cup. 1,971,770; Aug. 28.
- Cooke, Hereward L., Princeton, N. J. Method and apparatus for constructing multiple scale representations of objects. 1,980,981; Nov. 20.
- Cooke, James, Omaha, Nebr. Hand stamp mount. 1,976,254; Oct. 9.
- Cooke, James W., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,974,984; Sept. 25.
- Cooke, Leighton B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling circuit. 1,958,709; May 1.
- Cooke, Maurice B., and H. C. Schutt, assignors to Alco Products, Incorporated, New York, N. Y. Vapor phase cracking process. 1,984,569; Dec. 18.
- Cooke, Thomas S., New York, N. Y., assignor to Standard Oil Company, Chicago, Ill. Sludge separator. 1,951,647; Mar. 20.
- Cooke, William H., jr. (See Cooke, W. H., and Homer, assignors.)
- Cooke, William H., and C. F. Homer, assignors to William H. Cooke, jr., Toronto, Ontario, Canada. Therapeutic treatment device. 1,968,015; July 31.
- Cooke, William L. (See Du Bois, K. W., and Cooke.)
- Cool, Henry R., assignor to The Service Recorder Company, Cleveland, Ohio. Recorder. 1,980,786; Nov. 13.
- Cool, Lee H. (See Krug, E., Cool, and Bain.)
- Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Stopping mechanism. 1,955,577; Apr. 17.
- Cooley, Henry B., Kensington, Conn., assignor to American Paper Goods Company, Montclair, N. J. Cup making machine. 1,962,983; June 12.
- Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Synchronizing apparatus. 1,973,405; Sept. 11.
- Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Cup making machine. 1,973,406; Sept. 11.
- Cooley, Purne A. (See Bindner, J. R., and Cooley.)
- Coolidge, Charles H., assignor to Curtis & Marble Machine Company, Worcester, Mass. Steam protecting device for cloth shearing machines. 1,978,989; Oct. 30.
- Coolidge, Joseph R., Brookline, assignor to Montan, Inc., Boston, Mass. Cross arm. 1,965,629; July 10.
- Coolidge, Joseph R., Brookline, assignor to Montan, Inc., Boston, Mass. Shingle. 1,966,438; July 17.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Cathode ray sound recording. 1,945,109; Jan. 9.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray tube. 1,946,312; Feb. 6.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray device. 1,967,869; July 24.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray device. 1,971,812; Aug. 28.
- Cooling Tower Co. Inc., The. (See Coffey, Barton H., assignor.)
- Coomber, Cyril R., assignor to P. B. Cow and Company Limited, London, England. Inflatable mattress. Des. 93,703; Oct. 30.
- Coombs, James F., Des Plaines, and A. Coe, assignors to Almer Coe & Company, Chicago, Ill. Rimless eyeglass mounting. 1,973,486; Oct. 30.
- Coombs, Leslie W., and A. W. Kushinsky, Chicago, Ill. Piston and piston expanding ring. 1,960,989; May 29.
- Coombs, William A., Prospect, South Australia, Australia. Rocker gear for Z crank axial engines or the like. 1,956,944; May 1.
- Coon, Paul L., Washington, D. C., now by judicial change of name Paul Leshner McCoon. Cigarette ejector. 1,963,971; June 26.
- Cooney, Charles A., Erie, Pa., assignor to The Ruberoid Co., Bound Brook, N. J. Feed mechanism for rag cutters. 1,970,490; Aug. 14.
- Cooney, John L., Erie, Pa. Method of and apparatus for treating and handling material. 1,942,855; Jan. 9.
- Cooney, Lawrence J., assignor to Keystone Grinder & Manufacturing Company, Pittsburgh, Pa. Rail joint grinder. 1,973,429; Sept. 11.
- Coons, Albert R., Fairfield, Calif. Colonic irrigator. 1,956,006; Apr. 24.
- Coons, Charles H., assignor to The Tissue Company, Saugerties, N. Y. Napkin package. 1,959,614; May 22.
- Coons, Curtis C., assignor to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for measuring ion concentration. 1,951,395; Mar. 20.
- Coop, Ernest F. (See Crane, M. R., and Coop.)
- Cooper, Arthur H., Appleford, Syke Ings, Iwer, assignor to Electric and Musical Industries Limited, Middlesex, England. Supply circuits for thermionic tubes. 1,968,875; Aug. 7.
- Cooper, Benjamin, New York, N. Y. Shade inspecting machine. 1,960,231; May 29.
- Cooper-Bessemer Corporation. (See Gehres, Hewitt A., assignor.)
- Cooper-Bessemer Corporation, The. (See Murray, Harry D., assignor.)
- Cooper-Bessemer Corporation. (See Wolfe, Arthur C., assignor.)
- Cooper, Charles F., Torrington, assignor to The American Brass Company, Waterbury, Conn. Forming a ring-shaped article. 1,953,795; Apr. 3.
- Cooper, Charles F., Torrington, assignor to The American Brass Company, Waterbury, Conn. Built up print roll and making. 1,984,115; Dec. 11.
- Cooper, Charles O., and R. L. Johnson, Saluda, N. C. Multiple condenser transformer unit. 1,979,190; Oct. 30.
- Cooper, Elisha H., R. R. Searles, and J. W. Smith, assignors to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,961,128; June 5.
- Cooper, Elisha H., R. R. Searles, J. W. Smith, and L. C. Houston, assignors to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,969,691; Aug. 7.
- Cooper, Francis W., assignor, by mesne assignments, to The Stead Rail Anchor Company, Limited, Montreal, Quebec, Canada. Rail anchor. Re19,163; May 15.
- Cooper, George A. S., administrator. (See Cox, John W.)
- Cooper, George M., Fairlawn, N. J., and S. L. Eastburn, Sloatsburg, assignors to Ramapo Ajax Corporation, New York, N. Y. Switch stand. 1,964,721; July 3.
- Cooper, Grover C., and J. Mann, Philadelphia, Pa., assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,959,707; May 22.
- Cooper, Grover C., and J. Mann, Philadelphia, Pa., assignors to Union Special Machine Company, Chicago, Ill. Sewing machine for stitching waist bands or the like to a body fabric. 1,959,708; May 22.
- Cooper, Howell C., Pittsburgh, Pa., assignor to S. R. Dresser Manufacturing Co. Gas compressor. 1,951,751; Mar. 20.
- Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Producing high vacua. 1,963,829; June 19.
- Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Alloy and article composed of same. 1,974,060; Sept. 18.
- Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Magnesium alloy. 1,979,452; Nov. 6.
- Cooper, Jacob L. (See Barr, C. D., Moxley, and Cooper.)
- Cooper, James M., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Delay action electric detonator. 1,964,788; July 3.
- Cooper, Kenneth F., Great Neck, assignor to American Cyanamid Company, New York, N. Y. Fumigating compound and fumigating. 1,967,290; July 24.
- Cooper, Prentice. (See Raby, R. L., and McKay, assignors.)
- Cooper, Rolland M., assignor to The White Motor Company, Cleveland, Ohio. Valve actuating mechanism. 1,948,415; Feb. 20.
- Cooper, Samuel, Columbiana, Ohio. Steel doorlock. 1,942,087; Jan. 2.
- Cooper, Wellesley B. (See Knowland, R. G., and Cooper.)
- Cooper, Wellesley B., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Producing double tuft pile fabrics. 1,953,044; Mar. 27.
- Cooper, Wellesley B., and E. T. Phoenix, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Loom for weaving weft pile fabrics. 1,970,443; Aug. 14.
- Cooper, Wellesley B., and E. T. Phoenix, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Weft pile fabric loom. 1,970,444; Aug. 14.
- Cooper, William C., jr., Venice, Calif., assignor to The Barrett Company, New York, N. Y. Production of tar acids. 1,944,681; Jan. 23.
- Cooper, William H., Buffalo, N. Y. Hair waving machine. 1,946,392; Feb. 6.
- Cooper, William H., Buffalo, N. Y. Permanent hair waving device. 1,956,118; Apr. 24.
- Cooper, William H., Columbus, Ohio. Hair curling device. 1,956,119; Apr. 24.
- Cooper, William R., Topeka, Kans. Hone or abrading tool. 1,975,193; Oct. 2.
- Coopersmith, Rudolph, St. Louis, Mo. Multicoil spring structures. 1,985,020; Dec. 18.
- Cooperstein, Abraham, Brooklyn, N. Y. Reflector base support for silverware, glassware, or the like. Des. 92,524; June 19.
- Cootor, George, Spokane, Wash. Cooking utensil. 1,974,204; Sept. 18.
- Cope, Cora E., San Antonio, Tex. Sanitary cut-off for tubes and the like. 1,969,455; Aug. 7.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Conveyor. 1,957,698; May 8.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Stretching machine grip. 1,958,419; May 15.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Method and apparatus for heat treating. 1,960,808; May 29.
- Cope, Ruth E. (See Holles, Frank A., assignor.)
- Cope, Victor H., Defiance, Ohio. Heater. Des. 94,117; Dec. 25.

- Copeland, Charles W., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake fluid. 1,943,813; Jan. 16.
- Copeland, Everett D. (See Arnold, D. C., and Copeland.)
- Copeland, Ira, Detroit, Mich., assignor to American Show Case & Manufacturing Company. Cabinet. Des. 93,705; Oct. 30.
- Copeland, Ira, Detroit, Mich., assignor to American Show Case & Manufacturing Company. Portable adjustable bar. 1,944,405; Jan. 23.
- Copeland, Lewis S., J. W. Rether, and E. E. Schoonover, Columbus, Ohio. Blade sharpener. 1,968,748; July 31.
- Copeland Products, Inc. (See Ruthenburg, L., Replogle, and McPhail, assignors.)
- Copeland Refrigeration Corporation. (See McPhail, Harold R., assignor.)
- Copeland Refrigeration Corporation. (See Muffly, Glenn, assignor.)
- Copeland Refrigeration Corporation. (See Replogle, John R., assignor.)
- Copell, Daniel, Atlantic City, N. J. Smoking pipe. 1,950,542; Mar. 13.
- Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating system. Re19,055; Jan. 16.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Storage and dispensing unit for frozen foods. 1,952,422; Mar. 27.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Treating fruit or other growing vegetable matter. 1,955,950; Apr. 24.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Waterproof and punctureproof paper. 1,976,329; Oct. 9.
- Copes, Louis G., Bayonne, N. J., assignor to Gold Dust Corporation, New York, N. Y. Adhesive cement. 1,964,380; June 26.
- Coplovich, Jacob, St. Paul, Minn., assignor to Geo. D. Roper Corporation, Rockford, Ill. Lighter. 1,944,496; Jan. 23.
- Copland, Charles J., Kansas City, Mo., and W. B. Newkirk, Western Springs, Ill., assignors to International Patents Development Company, Wilmington, Del. Making hydrous dextrose. 1,954,584; Apr. 10.
- Coplen, Milo G., Rockville, Md. Method and apparatus for moving trees. 1,976,160; Oct. 9.
- Copley, Josiah, Corona, Calif. Tree puller. 1,981,308; Nov. 20.
- Coppage, William R., Livingstone Heights, Va. Bottle pick-up and handling mechanism. 1,943,004; Jan. 9.
- Copper and Brass Research Association. (See Freeman, J. R., jr., and Kirby, assignors.)
- Copper & Brass Research Association. (See Lorig, C. H., Gillett, and Kinnear, assignors.)
- Copper & Brass Research Association. (See Smith, Cyril S., assignor.)
- Copper, Munroe W., jr., Gates Mills, and R. L. Hohl, Shaker Heights, Ohio. Building construction. 1,973,795; Sept. 18.
- Coppins, Harold C., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Closure. 1,949,530; Mar. 6.
- Coradi, Oswald, Zurich, Switzerland. Pantographic map drawing apparatus. 1,943,205; Jan. 9.
- Corbe, Israel, Cleveland, Ohio. Bag or like container. 1,960,232; May 29.
- Corbet, Archer H., Lymington, England. Removable cover or roof for vehicles. 1,963,830; June 19.
- Corbett, Edward L., et al. (See Root, Lynott B., assignor.)
- Corbett, Edwin E., Ramsey, N. J., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Control mechanism. 1,951,396; Mar. 20.
- Corbett, Lawrence W., Belmont, Mass. Combustion apparatus. 1,974,205; Sept. 18.
- Corbett, Lawrence W., Belmont, assignor of thirty-four percent to W. H. Doble, Quincy, and thirty-three percent to B. L. Doble, Hingham, Mass. Combustion apparatus. 1,981,947; Nov. 27.
- Corbett, Mitchell S., Chicago, Ill. Vaginal douche. 1,943,110; Jan. 9.
- Corbett, Sewell M., and L. H. Stanford, U. S. Army, Fort Sam Houston, Tex. Meter for quantitatively determining the amount of foreign matter in air. 1,968,816; Aug. 7.
- Corbin, Douglas H., Birmingham, England. Sparking plug for internal combustion engines. 1,950,596; Mar. 13.
- Corbin, Elbert A., et al. (See Scheinfeld, Morris, assignor.)
- Corbin, Elbert A., jr., Swarthmore, assignor of one half to W. C. Biddle, Lansdowne, Pa. Sanitary hutch. 1,947,698; Feb. 20.
- Corbin, Elbert A., jr., Gradyville, assignor of one-half to W. C. Biddle, Lansdowne, Pa. Nonremovable receptacle cap. 1,977,623; Oct. 23.
- Corbin, Elbert A., jr., Gradyville, and E. W. Wolf, Philadelphia, assignors of one-third to W. C. Biddle, Lansdowne, Pa. Making imitation mastic. 1,975,926; Oct. 9.
- Corbin, Milford H., Chicago, Ill., assignor to Ault & Wiborg Corporation. Securing durable adhesions of liquid coatings to zinc surfaces. 1,973,612; Sept. 11.
- Corbman, Joseph. (See Corbman, Samuel and J.)
- Corbman, Samuel and J., Philadelphia, Pa. Illuminated sign. 1,980,665; Nov. 13.
- Corboy, Leo J. (See Fleming, Wells S., assignor.)
- Corby, Thomas A., Poughkeepsie, N. Y. Making and testing tube joints. 1,977,987; Oct. 23.
- Corcoran-Brown Lamp Company, The. (See Johnson, Roy W., assignor.)
- Corcoran, Charles A., New York, N. Y. Fluid pressure dispensing apparatus. 1,959,815; May 22.
- Corcoran, John C., Worcester, Mass., assignor to Superior Tool & Manufacturing Co., Inc. Drying crinkle or crepe paper. 1,967,609; July 24.
- Corcoran, John C., assignor to Superior Tool & Manufacturing Co., Inc., Worcester, Mass. Manufacture of paper. 1,974,103; Sept. 18.
- Corcoran, John C., assignor to Superior Tool & Manufacturing Co., Inc., Worcester, Mass. Drying laminated paper material or boards. 1,977,045; Oct. 16.
- Corcoran, Thomas D., and L. A. Wolff, Los Angeles, Calif. Tile tying runner. 1,948,510; Feb. 27.
- Cord Corporation. (See Buehrig, Gordon M., assignor.)
- Cordell, Henry. (See Blackhall, J. R., and Cordell.)
- Cordero, Fidel, Takoma Park, Md., and A. H. Mears, Philadelphia, Pa. Altimeter. 1,952,037; Mar. 20.
- Cordes, Edward C., Cincinnati, Ohio. Tag holder and shelf construction. 1,970,739; Aug. 21.
- Cordes, John H., St. Louis, Mo. Gas generating apparatus. 1,964,315; June 26.
- Cordes, Melchior J. (See Sievert, R., and Cordes.)
- Cordrey, Hancil, Chula Vista, Calif. Safety razor and stropping attachment. 1,942,049; Jan. 2.
- Corduroy Rubber Company. (See Gorsuch, Edgar H., assignor.)
- Corel, Matthew, Brooklyn, N. Y. Plane. 1,964,756; July 3.
- Corell, Martin. (See Bergdolt, A., Schrader, and Corell.)
- Corell, Martin. (See Kränzlein, G., and Corell.)
- Corell, Martin. (See Kränzlein, G., Corell, and Diefenbach.)
- Corell, Martin. (See Kunz, M. A., Kränzlein, Koeberle, Corell, Berthold, and Vollmann.)
- Corey, Elmer O., Norwood, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Locomotive lubricant system. 1,967,497; July 24.
- Corey, Justin C., Seattle, Wash. Sign. 1,949,900; Mar. 6.
- Corey, William G., Los Angeles, Calif. Counterbalancing. 1,948,288; Feb. 20.
- Corkery, Joseph P. (See Taylor, S. Y., and Corkery.)
- Corlett, Webster D., Oak Park, Ill., assignor to Standard Screw Corporation, Hartford, Conn. Tappet. 1,983,735; Dec. 11.
- Corlette, Dean H., Chicago, Ill., and C. M. Lee, Detroit, Mich., assignors to Wood Conversion Company, Cloquet, Minn. Blank container for insulation units. 1,971,064; Aug. 21.
- Corley, John T., Providence, R. I. Portable mounting for nozzles and the like. 1,961,198; June 5.
- Corley, John T., assignor to J. M. Baker Pattern Company, Inc., Providence, R. I. Bracket for a turret standpipe. 1,984,360; Dec. 18.
- Cormona, Louis, Throop, Pa. Aeroplane. 1,974,040; Sept. 18.
- Corn, Julius I., and R. E. Hyatt, assignors to Ice-Cream Freezer Corporation, Chicago, Ill. Heat transfer facilities in ice-cream freezers. 1,956,613; May 1.
- Cornblum, Harry A., Cleveland, Ohio. Garment. 1,984,011; Dec. 11.
- Cornelius, Carroll C. (See Heffner, A. E., and Cornelius.)
- Cornelius Engineering Company. (See Bauch, William H., assignor.)
- Cornelius, George W., Van Nuys, Calif. Airplane. Des. 92,883; July 31.
- Cornelius, George W., Glendale, Calif. Aircraft. 1,945,520; Feb. 6.
- Cornelius, Louis A., assignor to Wolverine Brass Works, Grand Rapids, Mich. Fitting. 1,947,581; Feb. 20.
- Cornelius, Nelson F., jr. (See Cornelius, Richard T. and N. F. jr.)
- Cornelius, Pembroke W. (See Bauch, William H., assignor.)
- Cornelius, Richard T. and N. F. jr., Minneapolis, Minn. Compressor housing. Des. 91,804; Mar. 27.
- Cornell Bag Corporation. (See Currier, Arthur L., assignor.)
- Cornell, Edward S., jr., Larchmont, N. Y. Built-up pipe fitting. 1,941,465; Jan. 2.
- Cornell, Edward S., jr., Larchmont, N. Y. Shower head. 1,947,407; Feb. 13.
- Cornell, Edward S., jr., Larchmont, N. Y. Forming a fitting. 1,948,564; Feb. 27.
- Cornell, Edward S., jr., Larchmont, N. Y. Forming sheet metal pipe fittings. 1,949,197; Feb. 27.
- Cornell, Edward S., jr., Larchmont, N. Y. Adapter. 1,972,872; Sept. 11.
- Cornell, Edward S., jr., Larchmont, N. Y. Lip stick receptacle. 1,974,418; Sept. 25.
- Cornell, Edward S., jr., Larchmont, N. Y. Stop and discharge valve. 1,974,419; Sept. 25.
- Cornell, Edward S., jr., Larchmont, N. Y. Air release device for humidifiers and the like. 1,977,820; Oct. 23.
- Cornell, Edward S., jr., Larchmont, N. Y. Humidifying device. 1,977,821; Oct. 23.
- Cornell, Edward S., jr., Larchmont, assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Tube shaping tool. 1,971,251; Aug. 21.
- Cornell, Edward S., jr., Watertown, Conn. Sheet metal pipe fitting. 1,982,498; Nov. 27.

- Cornell, Edward S., jr., Watertown, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Composition flooring strip. 1,974,950; Sept. 25.
- Cornell, Edward S., jr., Larchmont, and F. B. Wendel, Brooklyn, N. Y. Dispensing tube. 1,950,099; Mar. 6.
- Cornell, Elias S., and M. Stene, assignors to Delta-Star Electric Company, Chicago, Ill. Bus support. 1,979,099; Oct. 30.
- Cornell, James I., Schenectady, N. Y., assignor to General Electric Company. Voltage amplifier and detector circuits. 1,964,502; June 26.
- Cornell, Mead, assignor to The Merrill Company, San Francisco, Calif. Measuring and dispensing apparatus. 1,952,311; Mar. 27.
- Cornell, Mead, assignor to The Merrill Company, San Francisco, Calif. Fluid meter. 1,959,904; May 22.
- Cornell, Robert L., Sanford, Fla. Vegetable-conditioning method and machine. 1,961,337; June 5.
- Cornell Securities Corporation. (See Cornell, Vernon E., assignor.)
- Cornell University. (See Sharp, Paul F., assignor.)
- Cornell, Vernon E., assignor to Cornell Securities Corporation, Cleveland, Ohio. Apparatus for welding cylindrical bodies. 1,984,900; Dec. 11.
- Corneloup, Louis, Paris, France. Folding ladder with rear prop. 1,943,206; Jan. 9.
- Cornet, Ferdinand. (See Davis, W., Cornet, and Coe.)
- Cornet, Manuel G., Madrid, Spain. Coupling for vehicles. 1,943,370; Jan. 16.
- Cornetto, Giuseppe, Turin, Italy. Apparatus for purifying and regenerating air. 1,971,131; Aug. 21.
- Corning Fibre Box Corporation. (See Walker, E. R., and Roehm, assignors.)
- Corning Glass Works. (See Cardot, Jean, assignor.)
- Corning Glass Works. (See Caven, Trevor M., assignor.)
- Corning Glass Works. (See Faulkner, Karl B., assignor.)
- Corning Glass Works. (See Fulcher, Gordon S., assignor.)
- Corning Glass Works. (See Gage, Henry P., assignor.)
- Corning Glass Works. (See Gray, David E., assignor.)
- Corning Glass Works. (See Hood, Harrison P., assignor.)
- Corning Glass Works. (See Hyde, James F., assignor.)
- Corning Glass Works. (See Leiby, States L., assignor.)
- Corning Glass Works. (See Littleton, Jesse T., assignor.)
- Corning Glass Works. (See Nordberg, Martin E., assignor.)
- Corning Glass Works. (See Oakley, Walter W., assignor.)
- Corning Glass Works. (See Pascucci, Emilio, assignor.)
- Corning Glass Works. (See Rising, Walter H., assignor.)
- Corning Glass Works. (See Shaver, William W., assignor.)
- Corning Glass Works. (See Škola, Vladimir, assignor.)
- Corning Glass Works. (See Smith, Rowland D., assignor.)
- Corning Glass Works. (See Van Ness, Willard L., assignor.)
- Cornock, Edward F., assignor to Package Machinery Company, Springfield, Mass. Cigar feeding device. 1,965,806; July 3.
- Cornock, Edward F., assignor to Package Machinery Company, Springfield, Mass. Cigar feeding mechanism. 1,985,765; Dec. 25.
- Cornu, Ami, La Chaux-de-Fonds, Switzerland. Electric switch. 1,975,684; Oct. 2.
- Cornwell, Charles H., Highland Falls, N. Y. Fuse cover soldering machine. 1,972,871; Sept. 11.
- Cornwell, Lionel B. (See Woolf, W. L., and Cornwell.)
- Cornwell, Lionel B., New York, N. Y. Vibrating device. 1,948,167; Feb. 20.
- Cornwell, Turley J., and J. R. Strahlendorf, Indianapolis, Ind. Furnace radiator. 1,942,203; Jan. 2.
- Coro-Gram, Inc. (See Dammé, Olga, assignor.)
- Corona, Samuel V., Chicago, Ill. Tool. 1,954,726; Apr. 10.
- Corpora, Michael, San Jose, Calif. Signal. 1,963,374; July 31.
- Corrall, Herbert, Helensburgh, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lighting device for sewing machines. 1,948,336; Feb. 20.
- Corrall, Herbert, Helensburgh, and J. Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Machine for drawing threads in fabrics. 1,977,573; Oct. 16.
- Correct Measure Company, The. (See Griffiths, Orah E., assignor.)
- Correns, Erich, and A. Möhring, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Improving acyl cellulose. 1,948,903; Feb. 27.
- Corrier, Louis J., and J. F. Greiner, Erie, Pa., assignors to American Meter Company, New York, N. Y. Gas meter. 1,981,832; Nov. 20.
- Corrier, Louis J., and J. F. Greiner, Erie, Pa., assignors to American Meter Company, New York, N. Y. Gas meter. 1,981,833; Nov. 20.
- Corrigan, Edward J. (See MacDonald, Robert J., assignor.)
- Corry-Jamestown Manufacturing Corporation. (See Vanderhoof, Lawrence A., assignor.)
- Corry Metal Corporation. (See Chamberlain, W. P., jr., and Hultberg, assignors.)
- Corse, Herbert M., Jacksonville, Fla. Fuel control system. 1,944,068; Jan. 16.
- Corsgren, Bernhard, Bronx, N. Y. Adjustable supporting device. 1,969,547; Aug. 7.
- Corson, George E., assignor to Clinton Corn Syrup Refining Company, Clinton, Iowa. Paper bonding method and composition. 1,977,574; Oct. 16.
- Corson, Harry P., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making the sulphates of copper and zinc. 1,949,927; Mar. 6.
- Corson, Harry P., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making copper sulphate from metallic copper and its alloys. 1,949,928; Mar. 6.
- Corson, Harry P., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Dissolving cadmium metal in sulphuric acid in the presence of metallic iron. 1,949,929; Mar. 6.
- Corson, Michael G., Jackson Heights, N. Y., assignor to Metal & Thermit Corporation. Corrosion resistant alloy. 1,945,679; Feb. 6.
- Corsten, (Mrs.) Dr. H. (See Büchmüller, Alfred, assignor.)
- Corthell, Robert N., Auburn, Maine. Thread supplying adjunct. 1,949,144; Feb. 27.
- Corthell, Robert N., Auburn, Maine. Thread cop. 1,968,478; July 31.
- Corwin, Benjamin F., Brooklyn, N. Y. Apparatus for determining blood pressure. 1,953,466; Apr. 3.
- Corwin, Howard D., assignor to Vulcan Engineering Corporation, Jackson, Mich. Automatic drilling machine. 1,950,597; Mar. 13.
- Cory, Harvey, Chicago, Ill. Vacuum coffee brewer. 1,967,811; July 24.
- Cory, Joseph F., Oklahoma City, Okla. Automatic change-over control. 1,943,950; Jan. 16.
- Coryell, William C., Youngstown, Ohio. Welding. 1,971,369; Aug. 28.
- Coryell, William C., Youngstown, Ohio. Promoting pollination. 1,975,536; Oct. 2.
- Coryell, William C., Youngstown, Ohio, assignor, by mesne assignments, to United Engineering and Foundry Company, Pittsburgh, Pa. Strip mill. 1,943,005; Jan. 9.
- Coryell, William C., Youngstown, Ohio, assignor, by mesne assignments, to United Engineering and Foundry Company, Pittsburgh, Pa. Metal rolling machine. 1,964,503; June 26.
- Coryell, William C., Youngstown, Ohio, assignor, by mesne assignments, to United Engineering and Foundry Company, Pittsburgh, Pa. Rolling mill plant. 1,964,504; June 26.
- Cosgrove, Allen R., assignor to Martin-Parry Corporation, York, Pa. Vaporizer for refrigerators. 1,943,006; Jan. 9.
- Cosgrove, Allen R., assignor to Martin-Parry Corporation, York, Pa. Vaporizer for refrigerators. 1,943,007; Jan. 9.
- Cosgrove, Caroline E., administratrix. (See Cosgrove, John W.)
- Cosgrove, John W., deceased, by C. E. Cosgrove, administratrix, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe upper cementing machine. 1,955,872; Apr. 24.
- Cosgrove, Joseph R. (See Gelette, R. A., and Cosgrove.)
- Cosh, Richard A., Marion, Ind., assignor to Owens-Illinois Glass Company. Apparatus for fire finishing glass articles. 1,949,901; Mar. 6.
- Coshonon Glove Company, The. (See McKinley, Melvin, assignor.)
- Cosman, Claus, Elberfeld, Germany. Rubber cord. 1,963,226; June 19.
- Coss, Frank C., Martins Ferry, Ohio. Garment bagging apparatus. 1,984,631; Dec. 18.
- Cossor, A. C., Limited. (See Bullimore, W. R., and Bedford, assignors.)
- Costa, William M., Kew Gardens, N. Y. Electrolytic production of powdered metals. 1,977,173; Oct. 16.
- Costakos, Theodore M., Minneapolis, Minn. Dispensing and mixing device. 1,957,391; May 1.
- Costello, Joseph C., San Francisco, Calif. Powder loading device. 1,946,780; Feb. 13.
- Costello, Thomas C., Beverly Hills, assignor to Western Bakeries Corporation, Ltd., Los Angeles, Calif. Container for iced cake. 1,941,538; Jan. 2.
- Costello, Thomas J., Warren, Ohio. Conveyor type of pair or pack furnace. 1,941,599; Jan. 2.
- Costello, Thomas W., Spokane, Wash. Assembly tool. 1,948,203; Feb. 20.
- Costello, Weber, Co. (See Johnson, J. F., and Lawton, assignors.)
- Costizan, Laurence A., Philadelphia, Pa. Type binding means. Re19,269; Aug. 14.
- Cotchet, Louis M., Hingham, assignor to Textile Patent & Process Company, Boston, Mass. Pump. 1,982,497; Nov. 27.
- Cote, Henry A., Hartford, Conn. Automobile jack combination. 1,975,388; Oct. 2.
- Cote, Paul, Chicago, Ill., assignor to American Standard Fuse Corporation, Albert Lea, Minn. Fuse and renewable element therefor. 1,953,011; Mar. 27.
- Côté, Prosper, St. Hyacinthe, Quebec, Canada. Electric fan. 1,958,182; May 8.
- Cotesworth, Alfred. (See Stahl, F. E., Cotesworth, and Robins.)
- Cott-A-Lap Company, The. (See Priford, George, assignor.)
- Cottam, Charles A., Chattanooga, Tenn., assignor to International Combustion Engineering Corporation, New York, N. Y. Calking device. 1,943,723; Jan. 16.
- Cotter, George I. (See Callahan Oscar L., assignor.)
- Cotter, William F. (See Curtis, L. F., Cotter, and Eastman.)
- Cotter, William F., assignor to United American Bosch Corporation, Springfield, Mass. Radio apparatus. 1,979,315; Nov. 6.

- Cotter, William F., Springfield, and L. P. Kongsted, Longmeadow, assignors to United American Bosch Corporation, Springfield, Mass. Ignition system. 1,968,930; Aug. 7.
- Cotter, William F., and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Program distribution system. 1,979,313; Nov. 6.
- Cotter, William F., and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Power line reactor. 1,979,314; Nov. 6.
- Cotter, William F., and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Loud speaker. 1,979,453; Nov. 6.
- Cotter, William F. and M. E. Bond, assignors to United American Bosch Corporation, Springfield, Mass. Electric relay. 1,980,038; Nov. 6.
- Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Lubricating mechanism. 1,879,885; Oct. 30.
- Cotterman, Frederick W., assignor of one-half to Estate of Vincent G. Apple, deceased, Dayton, Ohio, H. F. and E. M. Apple and G. Darroch, executors. Accelerator controlled automotive transmission. 1,950,163; Mar. 6.
- Cotterman, Frederick W., assignor of one-half to V. G. Apple, Dayton, Ohio; H. F. and E. M. Apple, and G. Darroch, executors. Automatic speed changing transmission mechanism. 1,978,834; Oct. 30.
- Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Motor vehicle transmission gearing. 1,981,823; Nov. 20.
- Cottle, Clyde G. (See Kiernan, J. P., Cottle, and Sheehan.)
- Cotton, Horace G., Berkeley, Calif. Panel structure. 1,965,883; July 10.
- Cotton, William J., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of alpha naphthol. 1,949,243; Feb. 27.
- Cotton, William J., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of alpha naphthol. 1,962,137; June 12.
- Cotton, William J., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Making colored metallic article. 1,962,339; June 12.
- Cotton, William J., Buffalo, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Sampling apparatus. 1,970,597; Aug. 21.
- Cotton-Wood Products Inc. (See Gerard, August and G. A., assignors.)
- Cotton-Wood Products, Inc. (See Gerard, A., and Weisman, assignors.)
- Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
- Cottrell, C. B., & Sons Company. (See Barber, Robert S., assignor.)
- Cottrell, C. B., & Sons Company. (See Cottrell, Calvert B., 3d, assignor.)
- Cottrell, C. B., & Sons Company. (See Greenway, Richard J., assignor.)
- Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Bed and cylinder printing press. 1,951,900; Mar. 20.
- Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet registering device. 1,951,901; Mar. 20.
- Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Motor fluid drive for reciprocating elements. 1,961,923; June 5.
- Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Bed and cylinder printing press. 1,966,061; July 10.
- Cottrell, Holland D., Detroit, Mich. Loose-leaf binder. 1,973,796; Sept. 18.
- Cottrell, Jack Seward. (See Turgill, John, and Everett.)
- Cottrell, Oliver B. (See Mangham, L., and Cottrell.)
- Cottrell, Robert B. (See Hedgcock, W. C., and Cottrell.)
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 1,970,841; Aug. 21.
- CO₂ Appliance Company. (See Lundy, Thomas F., assignor.)
- CO₂ Appliance Company. (See Mohler, Loring L., assignor.)
- Coty, Inc. (See Botham, Arthur R., assignor.)
- Coty, Inc. (See Tourtois, Fernand R., assignor.)
- Coty, Thomas E., Watertown, N. Y. Multiwall bag. 1,942,019; Jan. 2.
- Coty, Thomas E., Watertown, N. Y. Method and apparatus for making bags. 1,951,471; Mar. 20.
- Coubrough, George B., Long Beach, Calif., assignor, by mesne assignments, to The Lummus Company. Contact apparatus. 1,945,600; Feb. 6.
- Coubrough, George B., Long Beach, Calif., assignor to The Lummus Company, New York, N. Y. Distilling heavy petroleum oils. 1,963,888; June 19.
- Coubrough, George B., Long Beach, Calif., assignor, by mesne assignments, to The Lummus Company. Condensing vapors. 1,970,993; Aug. 21.
- Coubrough, George B., Long Beach, Calif., assignor to The Lummus Company, New York, N. Y. Apparatus for distillation. 1,980,612; Nov. 13.
- Couch, Forrest J., Cincinnati, and H. W. Gabbert, Norwood, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Gauge for flatwork ironers. 1,962,112; June 12.
- Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,956,563; May 1.
- Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Railway truck. 1,959,905; May 22.
- Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,966,923; July 17.
- Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 1,966,924; July 17.
- Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Leaf spring. 1,972,857; Sept. 11.
- Couch, Howard H., Dayton, Ohio. Automatic control for controllable pitch propellers. 1,968,029; July 31.
- Coughlin, Charles L., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Key. 1,979,960; Nov. 6.
- Coughlin, Stuart J., Georgetown, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Separating patent leather surfaces. 1,962,233; June 12.
- Coulbourn, William C., Suffolk, Va. Refrigerator attachment. 1,973,797; Sept. 18.
- Coulombe, Joseph C., Del Mar, Calif. Differential. 1,954,347; Apr. 10.
- Coulson, Bevis P., jr. (See Emmet, W. L. R., and Coulson, jr.)
- Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Liquid boiler. 1,948,369; Feb. 20.
- Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,948,370; Feb. 20.
- Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,980,784; Nov. 13.
- Coulson, Bevis P., jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,980,785; Nov. 13.
- Coulston, Earl V., Shaker Heights, Ohio. Draft stabilizer for stove fue pipes. 1,966,946; July 17.
- Coultais, Wilbur J., assignor to Deere & Company, Moline, Ill. Corn picker. 1,945,364; Jan. 30.
- Coultais, Wilbur J., assignor to Deere & Company, Moline, Ill. Wagon hitch. 1,945,732; Feb. 6.
- Coultais, Wilbur J., assignor to Deere & Company, Moline, Ill. Detachable power take-off. 1,953,063; Apr. 3.
- Coultais, Wilbur J., assignor to Deere & Company, Moline, Ill. Cutting apparatus. 1,957,445; May 8.
- Coultais, Wilbur J., assignor to Deere & Company, Moline, Ill. Corn harvester. 1,970,797; Aug. 21.
- Coultais, Wilbur J., assignor to Deere & Company, Moline, Ill. Oil seal. 1,983,522; Dec. 11.
- Coultais, Wilbur J., and N. D. Colvin, assignors to Deere & Company, Moline, Ill. Mower. 1,946,541; Feb. 13.
- Coultais, Wilbur J., Moline, and N. F. Andrews, East Moline, assignors to Deere & Company, Moline, Ill. Corn harvester. 1,967,498; July 24.
- Coulter, Harold B., Denver, Colo., assignor to The Door Company, Inc., New York, N. Y. Classifier. 1,971,153; Aug. 21.
- Coulter, James F., Sweet Springs, Mo. Illuminating device. 1,971,599; Aug. 28.
- Coulter, Marion D. (See Monroe, T. B., and Coulter.)
- Council, John M., Wananish, N. C. Device for removing bark from logs. 1,951,084; Mar. 13.
- Councilor, James A., Washington, D. C. Combined statement blank, check form, and envelope. 1,952,972; Mar. 27.
- Counterman, Murray M. (See Madress, F. P., and Counterman.)
- Countryman, Arthur, jr., et al., administrators. (See Hart, Gerard W.)
- Countryman, Earnest A. (See Marquardt, C. H., Countryman, and Newton.)
- Countryman, Guy A., Ashland, Ohio. Pushing and pulling implement. 1,946,352; Feb. 6.
- Countryman, Guy A., Ashland, Ohio. Jack. 1,964,250; June 26.
- Countryman, Guy A., Ashland, Ohio. Double acting hydraulic jack. 1,985,151; Dec. 18.
- Coupland, Richard C., U. S. Army, Norfolk, Va. Rate mechanism. 1,946,484; Feb. 13.
- Coupland, Richard C., U. S. Army, Norfolk, Va. Rate mechanism. 1,946,485; Feb. 13.
- Coupland, Richard C., U. S. Army, Norfolk, Va. Discharger. 1,948,511; Feb. 27.
- Coupland, Richard C., U. S. Army, Norfolk, Va. Sear mechanism for guns. 1,981,855; Nov. 27.
- Coupleux, Edouard E., Tourcoing, and J. A. Givélet, Paris, France. Automatically operating musical instrument of the electric oscillation type. 1,957,392; May 1.
- Coupleux, Edouard E., and J. A. Givélet, Lille, France. Electric organ and electrically producing tones. 1,980,911; Nov. 13.
- Coupleux, Edouard E., Tourcoing, and J. A. Givélet, Paris, France. Electric radio organ. 1,980,912; Nov. 13.
- Courchene, Anatole B., Chicago, assignor of one-half to H. B. Courchene, Downers Grove, Ill. Self-cleaning dust mop. 1,942,204; Jan. 2.
- Courchene, Homer B. (See Courchene, Anatole B., assignor.)
- Courier-Citizen Company. (See Hartnett, John T., assignor.)
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Stalk shredding implement. 1,945,733; Feb. 6.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Cotton harvester. 1,967,924; July 24.

- Court, Frank T., W. Christensen, and C. E. Johnson, assignors to Deere & Company, Moline, Ill. Rod weeder. 1,941,539; Jan. 2.
- Courtney, Allan S., Fort Wayne, Ind. Lifting sling. 1,975,194; Oct. 2.
- Courtney, Charles, New York, N. Y. Lock construction. 1,985,363; Dec. 25.
- Courtney, Francis T., New York, N. Y. Aircraft. 1,954,727; Apr. 10.
- Courtney, Nicholas P., Passaic, N. J. Receptacle opener. 1,975,780; Oct. 9.
- Courtney, Nicholas P., Passaic, N. J. Receptacle opener. 1,978,487; Oct. 30.
- Courtney, Robert P., Maplewood, N. J., assignor to Bakelite Corporation, New York, N. Y. Laminated product. 1,946,932; Feb. 13.
- Courtois, Harmidas. (See Colas, M., and Courtois.)
- Courtright, Alva V., Circleville, Ohio. Electric food heating apparatus. 1,970,860; Aug. 14.
- Couse, Kibbey W. (See Christie, H. E., and Couse.)
- Cousin, Maurice, Paris, France. Gearing. 1,968,439; July 31.
- Cousin, Maurice, Paris, France. Transmission belt or chain for internal combustion motors or the like. 1,975,502; Oct. 2.
- Cousino, Walter P. (See Breer, C., and Cousino.)
- Cousino, Walter P., assignor to Chrysler Corporation, Detroit, Mich. Synchronizing device. 1,967,190; July 17.
- Cousins, Alfred W., Westcliff-on-Sea, England. Chiropody foot rest. 1,947,758; Feb. 20.
- Cousins, Robert W., Gary, Ind. Safety device for hot metal mixers. 1,972,679; Sept. 4.
- Coutant, Jay G., New York, N. Y. Pulverized fuel furnace and combustion. 1,947,460; Feb. 20.
- Coveney, Douglas G. (See Bedford, L. H., and Coveney.)
- Cover, Harry C., assignor to L. M. Hendler, Baltimore, Md. Making fruit ice cream. 1,963,938; June 19.
- Cover, Harvey S., South Bend, Ind. Prism telescope. 1,978,013; Oct. 23.
- Coverstone, Jesse F. (See Fisher, J. B., and Coverstone.)
- Covert, Harry W., Jamestown, N. Y. Washing machine. 1,948,957; Feb. 27.
- Covert, Martin B., assignor to Renu Parts Corporation, Holland, Mich. Manufacture of piston rings. 1,951,397; Mar. 20.
- Covert, Victor L., Millvale, Pa. Tray receptacle holder. 1,980,575; Nov. 13.
- Covey, John E., Harrisburg, Pa., assignor to Industrial Patents Corporation, Chicago, Ill. Bacon banger. 1,967,870; July 24.
- Covich, Peter, Syracuse, N. Y. Tip-up for fishing through ice. 1,980,255; Nov. 13.
- Covington, General L., Chehalis, Wash. Gold-saving apparatus. 1,947,035; Feb. 13.
- Covington, Harris T., Jr., Chicago, Ill. Signaling device. 1,971,521; Aug. 28.
- Coyce, Daniel L., Chicago, Ill. Charge treating device for internal combustion engines. 1,983,268; Dec. 4.
- Cow, P. B., and Company Limited. (See Coomber, Cyril R., assignor.)
- Cowan, Frank A. (See Rhodes, H. A., and Cowan.)
- Cowan, Frank A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Monitoring circuit. 1,958,510; May 15.
- Cowan, Frank A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Frequency changing system. 1,959,459; May 22.
- Cowan, Henry B., Llanerch, and W. C. Zerman, Upper Darby Township, Delaware County, Pa., assignors to American Telephone and Telegraph Company. Adjustable aerial platform. 1,965,689; July 10.
- Cowan, Jack. (See Harr, Herman H., assignor.)
- Cowan, Lucian A., Jr., Mobile, Ala. Refrigerator. 1,979,142; Oct. 30.
- Cowan, R. Guy, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Wall bracket. Des. 91,860; Apr. 3.
- Cowan, R. Guy, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric wall bracket. Des. 91,985; Apr. 17.
- Cowan, R. Guy, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric lighting unit. Des. 92,702; July 10.
- Cowan, Ralph E. (See McNabb, J. N., Cowan, and Craiglow.)
- Cowan, Sidney M., Newark, N. J. Curtain and curtain saddle. 1,979,674; Nov. 6.
- Cowan, William A., Brooklyn, assignor to National Lead Company, New York, N. Y. Refining metal. 1,957,819; May 8.
- Cowden, Harry L., Guthrie Center, Iowa. Loose leaf binder. 1,985,534; Dec. 25.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Bow for archery. 1,960,477; May 29.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Bow for archery. 1,960,478; May 29.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Press for tubes. 1,963,047; June 12.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Drawing tubes. 1,963,048; June 12.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf shaft. 1,974,389; Sept. 18.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf club. 1,983,069; Dec. 4.
- Cowell, Robert F., Phelps Manor, Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Aerial trussed ladder. 1,943,724; Jan. 16.
- Cowgill, Frank M. (See Symons, F. E., and Cowgill.)
- Cowgill, William W., Fairfield, Conn., assignor to Sardik, Incorporated, Jersey City, N. J. Pectin and its manufacture. 1,973,613; Sept. 11.
- Cowgill, William W., Fairfield, Conn., assignor to Sardik, Incorporated, Jersey City, N. J. Pectin. 1,973,614; Sept. 11.
- Cowl, John S., Swoope, Va. Package inverting device. 1,956,120; Apr. 24.
- Cowles, Alfred H., deceased, Sewaren, N. J., by E. L. Prentiss, Brooklyn, N. Y., executor, assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Separating alumina from alkali metal aluminate solutions. 1,943,786; Jan. 16.
- Cowles, Clifford W., New Britain, assignor of one-half to F. L. Benson, Plainville, Conn. Fuse, cut-out, and adapter. 1,969,257; Aug. 7.
- Cowles, Edwin, Princeton, assignor to Cowles Engineering Corporation, Sewaren, N. J. Apparatus for disseminating solids in liquids. 1,944,836; Jan. 23.
- Cowles, Edwin, assignor to The Electric Smelting & Aluminum Company, Sewaren, N. J. Conditioning crystalline materials. 1,973,407; Sept. 11.
- Cowles Engineering Corporation. (See Cowles, Edwin, assignor.)
- Cowles, Irving, Detroit, Mich. Making unions for metal tubing. 1,951,860; Mar. 20.
- Cowles, Leo A. and W. F., and N. J. Proctor, Grand Rapids, Mich. Gearing. 1,964,251; June 26.
- Cowles, Wilfred F. (See Cowles, Leo A. and W. F., and Proctor.)
- Cownie, John F., Des Moines, Iowa. Nail pulling hammer. 1,957,760; May 8.
- Cowper, Robert J., Jr. (See Richards, A. T., and Cowper.)
- Cox, A. Byrl, Los Angeles, Calif. Cleaner head. 1,984,632; Dec. 18.
- Cox, Albert B. (See Jurrisen, A. W., Cox, and Wood.)
- Cox, Albert P., assignor of one-half to J. McInturf, Young, Ariz. Fence tool. 1,948,904; Feb. 27.
- Cox, Angus M., assignor to American Enka Corporation, Enka, N. C. Package of textile material and making same. 1,947,406; Feb. 13.
- Cox, Arthur L., Chicago, Ill. Boiler control mechanism. 1,958,815; May 15.
- Cox, Charles E., Jr. (See Teetor, Macy O., assignor.)
- Cox, Charles H., Philadelphia, Pa. Stadium seat. 1,949,113; Feb. 27.
- Cox, Charles N., Oakland, Calif. Switch stand lock. 1,953,153; Apr. 3.
- Cox, David C., assignor to A. G. Dickinson, Grand Rapids, Mich. Wax purification. 1,951,861; Mar. 20.
- Cox, Edna M., New York, N. Y. Lip stick container. Des. 92,230; May 15.
- Cox, Edwin R. (See Cole, H. S., Jr., and Cox.)
- Cox, Edwin R., Los Angeles, Calif., assignor to The Texas Company, New York, N. Y. Recovery of gasoline from natural gas. 1,972,061; Aug. 28.
- Cox, George C., Carteret, N. J., and H. K. McIntyre, deceased, by E. M. McIntyre, State College Station, Raleigh, N. C., and M. McIntyre, Cranford, N. J., executors. Purification process. 1,964,906; July 3.
- Cox, George E. (See Gutherlet, C. J., and Cox.)
- Cox, George E., Niagara Falls, assignor to American Cyanamid Company, New York, N. Y. Granulating cyanamide. 1,947,971; Feb. 20.
- Cox, Harold E., London, M. C. I. Hunter, Teddington, and F. A. Tuck, Kenton, England, assignors to General Electric Company. Plugging contact. 1,966,234; July 10.
- Cox, Henry E., Bristol, and J. R. Torrance, Bath, England. Refining mill of the roll and adjustable breast bar type. 1,975,389; Oct. 2.
- Cox, Henry E., Bristol, and J. R. Torrance, Bath, England. Refining mill of the roll and adjustable breast bar type. 1,983,736; Dec. 11.
- Cox, Henry L., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Preparation of dialkyl sulphates. 1,949,369; Feb. 27.
- Cox, Henry W., Sydney, New South Wales, Australia. Wire tying machine. 1,056,234; Apr. 24.
- Cox, Irwin W., Denver, Colo. Making memorial markers. 1,951,132; Mar. 13.
- Cox, James B. (See Bailey, James B., assignor.)
- Cox, John P., assignor, by mesne assignments, to E. C. Ladenson, Evanston, Ill. Stoker distributor. 1,975,224; Oct. 2.
- Cox, John W., Chicago, Ill. Egg carton. 1,953,748; Apr. 3.
- Cox, John W., deceased, by G. A. S. Cooper, Newark, N. J., administrator, assignor to The Nestle-Lemur Company, New York, N. Y. Heater for permanently waving hair. 1,941,600; Jan. 9.
- Cox, John W., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,946,840; Feb. 13.
- Cox, Joseph W. (See Perry, George F., assignor.)
- Cox, Leonard, Birmingham, England, assignor to Hockless Fastener Company. Slide fastener and making same. 1,983,070; Dec. 4.
- Cox, Paul F., Chicago, Ill. Multicolor printing press. 1,982,574; Nov. 27.

- Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Flat bed web printing press. 1,973,464; Sept. 11.
- Cox, Ralph E. (See Ipsen, C. L., and Cox.)
- Cox, Rex G. (See Luce, G. E., and Cox.)
- Cox, Thelma L., West Los Angeles, Calif. Breast protector. 1,984,253; Dec. 11.
- Cox, Thomas B., Chester, Va. Circuit controller. 1,976,161; Oct. 9.
- Cox, Vernon L. (See Anderson, A. E., Cox, and Wright.)
- Cox, William L., Chillicothe, Mo. Ditch check. 1,961,817; June 5.
- Cox, William L., Chillicothe, Mo. Slope-retainer. 1,968,993; Aug. 7.
- Coxhead, Ralph C., New York, N. Y., assignor to Mercedes Buromaschinen Werke, A. G., Zella Mehlis, Germany. Calculating machine. 1,959,779; May 22.
- Coxhead, Ralph C., New York, N. Y., and C. W. Norton, Stratford, Conn., assignors, by mesne assignments, to Brunsviga Maschinenwerke Grimme Natalis & Co., A. G., Brunswick, Germany. Adding machine frame construction. 1,948,958; Feb. 27.
- Coxhead, Ralph C., New York, N. Y., and C. W. Norton, Bridgeport, Conn., assignors, by mesne assignments, to Brunsviga Maschinenwerke Grimme Natalis & Co., A. G., Brunswick, Germany. Adding machine printing mechanism. 1,954,618; Apr. 10.
- Coxhead, Ralph C., Corporation. (See Fuchs, Charles A., assignor.)
- Coxhead, Ralph C., Corporation. (See Fuchs, C. A., and Resch, assignors.)
- Coxhead, Ralph C., Corporation. (See Hausman, Walter J., assignor.)
- Coxhead, Ralph C., Corporation. (See Oswald, Alfred E., assignor.)
- Coxhead, Ralph C., Corporation. (See Pitman, Henry L., assignor.)
- Coxhead, Ralph C., Corporation. (See Trego, Frank H., assignor.)
- Coxon, George H., London, England, assignor, by mesne assignments, to Gasoline Products Company, Incorporated. Thermal treatment of hydrocarbon gases. 1,971,677; Aug. 28.
- Coxon, Thomas, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Manufacture of porous plaster. 1,951,691; Mar. 20.
- Coy, Don W., assignor to Chicago Carton Company, Chicago, Ill. Carton blank folding and stapling machine. 1,979,253; Nov. 6.
- Coy, Joseph A., Norwood, Ohio, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Lighting unit. 1,949,709; Mar. 6.
- Coy, Joseph A., Norwood, Ohio, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Illuminating system. 1,972,856; Sept. 11.
- Coyer, William E. (See Davies, Richard F., assignor.)
- Coyle, Frank, and J. E. Biggs, Niagara Falls, N. Y. Locking device for automobile engine hoods. 1,966,976; July 17.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Solder applying means. 1,955,345; Apr. 24.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Machine for coating the channel of an irregularly shaped can end. 1,955,670; Apr. 17.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Machine for cutting can body blanks from metal sheets. 1,955,671; Apr. 17.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Soldering machine. 1,956,344; Apr. 24.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal container. 1,985,818; Dec. 25.
- Coyle, Joseph A., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Tuft pile fabric loom. 1,944,121; Jan. 16.
- Coyle, Joseph L., London, Ontario, Canada, assignor to Coyle Safety Carton Co., Chicago, Ill. Egg box. Re19,250; July 24.
- Coyle Safety Carton Co. (See Coyle, Joseph L., assignor.)
- Coyne, Francis J. (See Coyne, Harry J. and F. J.)
- Coyne, Harry J., Weston, and F. J. Coyne, Newton Center, assignors to Sterling Fibre Company, Waltham, Mass. Method and apparatus for filling upholstery plait. 1,963,831; June 19.
- Coyne, Martin J., East Syracuse, N. Y. Fishing tackle. 1,982,573; Nov. 27.
- Coyner, James M., Madison, Wis. Calf feeding pail. 1,972,375; Sept. 4.
- Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Lens strap. Des. 91,554; Feb. 20.
- Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,964,811; July 3.
- Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,977,822; Oct. 23.
- Crabb, Earl L., Seattle, Wash., assignor to The Astrograph Corporation, Chicago, Ill. Astrological machine. 1,956,059; Apr. 24.
- Crabbe, Edward. (See Harrild, G. R., and Crabbe.)
- Crabbs, Herbert J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High voltage switch. 1,976,006; Oct. 9.
- Crabtree, Charles H. (See Phythian, T. E., and Crabtree.)
- Crabtree, George W., Cleveland Heights, Ohio. Cover for leaf springs. 1,981,443; Nov. 20.
- Crabtree, Ivory H., Toppensish, Wash. Motion picture projecting apparatus. 1,985,629; Dec. 25.
- Crabtree, Ivory H., assignor of three-fourths to L. P. Crabtree, Toppensish, Wash. Changeover mechanism for motion picture machines. 1,980,167; Nov. 13.
- Crabtree, James, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photographic film processing. 1,961,338; June 5.
- Crabtree, John A., Sutton Coldfield, England. Electrical switch of the tumbler type. 1,946,192; Feb. 6.
- Crabtree, John I., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developing solutions. 1,973,466; Sept. 11.
- Crabtree, Lottie P. (See Crabtree, Ivory H., assignor.)
- Craddock, John, et al. (See Paterson, David, assignor.)
- Craemer, Paul, Herzebrock, Germany. Hardness tester. 1,973,333; Sept. 11.
- Craft, Clarence H., assignor of one-half to W. Miller, Uniontown, Pa. Crankshaft grinder. 1,967,744; July 24.
- Craft, Edwin M., Indianapolis, Ind. Ring mounting. 1,976,330; Oct. 9.
- Craft, Oscar L. (See Calpha, A. J., and Craft.)
- Crafton, H. Herbert, Beaver, Pa. Forced draft and humidifier device for hot air registers. 1,982,465; Nov. 27.
- Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Co., Chicago, Ill. Cutting and collecting mechanism for printing presses. 1,963,734; June 19.
- Crafts, Curtis S., Oak Park, assignor to Goss Printing Press Company, Chicago, Ill. Folding mechanism. 1,966,885; July 17.
- Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Co., Chicago, Ill. Printing press. 1,970,491; Aug. 14.
- Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Folding and collecting mechanism. 1,970,931; Aug. 21.
- Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,971,771; Aug. 28.
- Craits, Curtis S., Oak Park, assignor to Goss Printing Press Company, Chicago, Ill. Folding mechanism. 1,978,567; Oct. 30.
- Craits, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Folding mechanism. 1,979,316; Nov. 6.
- Craits, Irving M., Gildersleeve, assignor to The Pickering Governor Company, Portland, Conn. Governor. 1,954,864; Apr. 17.
- Craits, Irving M., assignor to The Pickering Governor Company, Portland, Conn. Governor. 1,965,936; July 10.
- Craftsman Line-Up Table Corporation. (See Slobey, Joseph A., assignor.)
- Crabo, Arthur, and H. S. Martin, Mulberry, Fla., assignors to Phosphate Recovery Corporation, New York, N. Y. Composition of matter suitable for use in flotation. 1,968,876; Aug. 7.
- Crabo, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic apparatus. 1,962,234; June 12.
- Crabo, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote indication apparatus. 1,969,359; Aug. 7.
- Crabo, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 1,974,446; Sept. 25.
- Crabo, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,976,437; Oct. 9.
- Crabo, Paul H., and M. Rosenfeld, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Control circuits. 1,958,161; May 8.
- Cragwall, Gordon O. (See Pasternack, R., and Cragwall.)
- Crahan, Peter F. (See Moulton, Seth A., assignor.)
- Crahan, Peter F., New York, N. Y., S. A. Moulton, Los Angeles, Calif., and G. E. Seavoy, Kew Gardens, N. Y.; said Moulton and said Seavoy assignors to said Crahan. Method of and apparatus for extracting metals from amalgams. 1,961,135; June 5.
- Craig, Allan D., assignor to Thomas Dalby, Inc., Watertown, Mass. Undergarment. Re19,380; Nov. 27.
- Craig, George C., Bloomington, Ill. Airless auto tire. 1,959,571; May 22.
- Craig, George E., Ottawa, Ontario, and W. J. Walker, Gatineau, Quebec, Canada, assignors to International Paper Company, New York, N. Y. Motor control system for grinders and the like. 1,985,719; Dec. 25.
- Craig, George L. (See Brion, C. E., and Craig.)
- Craig, James, Butler, assignor to Mathews Conveyor Company, Ellwood City, Pa. Ball transfer. 1,963,956; June 26.
- Craig, Ocie M., Kansas City, Mo. Telephone attachment. 1,959,572; May 22.
- Craig, Ollison, assignor to Riley Stoker Corporation, Worcester, Mass. Apparatus for burning pulverized fuel. 1,951,862; Mar. 20.
- Craig, Palmer H., Cincinnati, Ohio, assignor to Inveex Corporation. Static suppressor system. 1,956,121; Apr. 24.

- Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Preserving fruits, vegetables, etc. 1,981,583; Nov. 20.
- Craig, Robert. (See Osborn, R. T., and Craig.)
- Craig, Walter B., assignor to Packard Motor Car Company, Detroit, Mich. Drawing compound. 1,952,973; Mar. 27.
- Craig, William D., Meadville, Pa., assignor to Hookless Fastener Company, Garment. 1,960,218; May 22.
- Craighead, John R., Denver, Colo. Child's garment. Des. 91,987; Apr. 17.
- Craighead, Rex G., The Dalles, Oreg. Balanced advertising device. 1,985,630; Dec. 25.
- Craiglow, William E. (See McNabb, J. N., Cowan, and Craiglow.)
- Craine, Leo D., Sherburne, N. Y. Material handling device. 1,968,071; July 31.
- Cram, Clyde M., Long Beach, Calif. Pre-cast construction block. 1,953,154; Apr. 3.
- Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,972,291; Sept. 4.
- Cramer, Albert M., assignor to Horn & Hardart Baking Company, Philadelphia, Pa. Liquid dispensing device. 1,965,069; July 3.
- Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 1,960,730; May 29.
- Cramer, Richard, Steglitz, Germany, assignor to General Electric Company. High potential switch apparatus. 1,976,484; Oct. 9.
- Cramer, Stanley S., and E. D. Koeppling, Haddon Heights, assignors to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,983,121; Dec. 4.
- Cramer, Thomas M. (See Connell, G. A., Cramer, and Caldwell.)
- Cramer, William B., et al. (See Wells, S. D., and Cramer.)
- Cramer, William J., assignor to The Perfect Circle Company, Hagerstown, Ind. Boring machine for piston rings. 1,946,523; Feb. 13.
- Cramp, David L., Kirkland Lake, Ontario, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Clutch mechanism. 1,946,062; Feb. 6.
- Crampton, Donald K., Marion, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Straightening metallic structural members. 1,966,955; July 17.
- Crampton, Donald K., Marion, and J. J. Vreeland, Waterbury, Conn. High electro-conductive copper alloy and making the same. 1,969,702; Aug. 7.
- Crampton, Donald K., Marion, and H. L. Burghoff, Yalesville, assignors to The Chase Companies, Incorporated, Waterbury, Conn. Copper-base alloy. 1,962,637; June 12.
- Crandall, Bee C., Memphis, Tenn. Window guard. 1,954,559; Apr. 10.
- Crandall, Fred M., Los Angeles, Calif. Automobile signal system. 1,976,543; Oct. 9.
- Crandall, Lathan A., Jr., Chicago, Ill. Chondroitin compounds and their preparation. 1,950,100; Mar. 6.
- Crandell, Dean D., assignor to National Gypsum Company, Buffalo, N. Y. Plastic paint. 1,984,116; Dec. 11.
- Crandell, Dean D., Buffalo, and R. Neher, Clarence Center, assignors to National Gypsum Company, Buffalo, N. Y. Mixing machine. 1,967,291; July 24.
- Crane, Carl J., and W. C. Ocker, Brooks Field, Tex. Aerial flight instrument. 1,955,488; Apr. 17.
- Crane, Charles R., 2d., assignor to Crane Co., Chicago, Ill. Handwheel. Des. 93,972; Dec. 4.
- Crane Co. (See Beckwith, Clinton H., assignor.)
- Crane Co. (See Crane, Charles R., 2d., assignor.)
- Crane Co. (See Eckman, H. A., and Maack, assignors.)
- Crane Co. (See Fennema, Richard, assignor.)
- Crane Co. (See Flodin, Victor E., assignor.)
- Crane Co. (See Houser, Arthur M., assignor.)
- Crane Co. (See Link, Maximilian W., assignor.)
- Crane Co. (See Olson, C. A., and Magos, assignors.)
- Crane Co. (See Olson, C. A., Magos, and McRae, assignors.)
- Crane Co. (See Pohl, Hans E. K., assignor.)
- Crane Co. (See Sorensen, Alfred K., assignor.)
- Crane, Donald L., Tacoma, Wash. Carton. 1,982,981; Dec. 4.
- Crane, Edward H., Inglewood, Calif. Bed for automobiles. 1,962,388; June 12.
- Crane, Edward J. (See Bigler, F. J., and Crane.)
- Crane Limited. (See Baxter, William, assignor.)
- Crane Limited. (See McGrail, Thomas E., assignor.)
- Crane, Mathias R., and E. F. Coop, Pasadena, Calif. Water pressure calculator. 1,973,402; Oct. 30.
- Crane, Myrick, assignor to The Seamless Rubber Company, Incorporated, New Haven, Conn. Valve for football bladders and the like. 1,981,720; Nov. 20.
- Crane, Newton, Boston, assignor, by mesne assignments, of one-half to G. C. Graham, Watertown, Mass. Apparatus for expressing liquids. 1,985,485; Dec. 25.
- Crane Packing Company. (See Gerrard, Sidney, assignor.)
- Crane Packing Company. (See Payne, Frank E., assignor.)
- Crane, Paul W., Montclair, and R. T. Fields, Arlington, N. J., assignors to du Pont Viscold Company, Wilmington, Del. Producing plastic sheeting. 1,956,564; May 1.
- Crane, Raymond E., Kittanning, Pa. Shelf back lavatory. Des. 93,329; Sept. 18.
- Crane, Raymond E., and D. E. Gulick, Ford City, Pa. Closet bowl. 1,947,439; Feb. 13.
- Crankshaw, William G., Chicago, Ill. Soap dispenser. 1,970,492; Aug. 14.
- Cranston, Walter C., Worcester, Mass. Vehicle jack system. 1,966,811; July 17.
- Crapo, Frederick M., assignor to Indiana Steel & Wire Company, Muncie, Ind. Telephone transmission line. 1,942,411; Jan. 9.
- Crapo, Frederick M., assignor to Indiana Steel & Wire Company, Muncie, Ind. Metal coated ferrous article and making it. 1,984,335; Dec. 11.
- Crary, Clarence J., Chicago, Ill., assignor to Ralph W. Crary, Brooklyn, N. Y. Making steel wool pads. 1,961,339; June 5.
- Crary, James H., Westport, N. Y. Internal combustion engine. 1,944,785; Jan. 23.
- Crary, Ralph W. (See Crary, Clarence J., assignor.)
- Craske, Harold, London, England. Receptacle for dust or refuse. 1,959,263; May 15.
- Crater, Willard de C., Succasunna, N. J., assignor to Hercules Powder Company, Wilmington, Del. Blasting explosive. 1,945,344; Jan. 30.
- Crater, Willard de C., Succasunna, N. J., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 1,951,595; Mar. 20.
- Craw, Frank C., East Norwalk, Conn. Nonreversible steering mechanism. 1,942,472; Jan. 9.
- Crawford, Albert A., et al. (See Williams, Loyd, assignor.)
- Crawford, Allen I., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube socket. 1,980,187; Nov. 13.
- Crawford, Carl, et al. (See Williams, Loyd, assignor.)
- Crawford, Charles J., London, assignor of one-half to Thomas Bateman Powell, Surrey, England. Sliding clasp fastening. 1,943,111; Jan. 9.
- Crawford, Cliff R., Middletown, assignor to The Black Clawson Company, Hamilton, Ohio. Paper machinery. 1,950,713; Mar. 13.
- Crawford, David M., Mifflintown, Pa. Method and system of circuits for overcoming static effects. 1,968,817; Aug. 7.
- Crawford Door Company. (See Dautrick, O. L., Hufferd, Casse, and Stephens, assignors.)
- Crawford, Francis M. (See Bloomfield, G., Swallen, and Crawford.)
- Crawford, Frank, Lihue, Hawaii. Fishing reel. 1,941,739; Jan. 2.
- Crawford, Frank F. (See Weissman, Samuel M., assignor.)
- Crawford, Frederick A. F., Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Manufacture of esters. 1,967,551; July 24.
- Crawford, Frederick A. F., and W. A. P. Challenor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Catalyst and making the same. 1,952,057; Mar. 27.
- Crawford, H. G., et al. (See Peltier, Joseph E., assignor.)
- Crawford, J. E., et al. (See Peltier, Joseph E., assignor.)
- Crawford, James C., Chambersburg, Pa. Box. 1,980,851; Nov. 13.
- Crawford, James M. (See Prescott, F. H., and Crawford.)
- Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Synchronizing clutch mechanism. 1,961,340; June 5.
- Crawford, Jesse L., Springfield, Ohio. Attaching furring strips to cement building blocks. 1,980,982; Nov. 20.
- Crawford, L. W. (See Woodyard, Saunders B., assignor.)
- Crawford, Lyle V., and D. A. Apple, Paris, Ill. Window operator. 1,963,227; June 19.
- Crawford Manufacturing Company. (See Whaley, John W., assignor.)
- Crawford, Matthew O., Detroit, Mich., assignor to V. R. Heffler, Filter. 1,977,174; Oct. 16.
- Crawford, McGregor and Canby Company, The. (See Hampton, William C., assignor.)
- Crawford, Robert B. (See Forrest, H. O., Van Horn, Keith, and Crawford.)
- Crawford, Robert B., Jr., assignor to Hanes Hosiery Mills Co., Winston-Salem, N. C. Hosiery container and display device. 1,957,248; May 1.
- Crawford, Samuel W., assignor to National Bearing Metals Corporation, St. Louis, Mo. Bearing. 1,941,788; Jan. 2.
- Crawford, Samuel W., assignor to National Bearing Metals Corporation, St. Louis, Mo. Bearing. 1,941,789; Jan. 2.
- Crawford, Sinclair S., Lake Charles, La. Apparatus for disposing of sewage. 1,950,841; Mar. 13.
- Crawford, Wilbur F., Waco, Tex. Shipping jacket for ice cream. 1,949,677; Mar. 6.
- Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Indicating system for welding machines. 1,948,337; Feb. 20.
- Crawford, William R., Dallas, Tex., and T. Jonz, Chicago, Ill., assignors to H. Kohnstamm & Co. Inc., New York, N. Y. Cleaning cloth for irons. 1,973,450; Oct. 30.
- Cray, Thomas M. (See Buchanan, J. R., and Cray.)
- Creamery Package Mfg. Company, The. (See North, Charles E., assignor.)
- Creamery Package Mfg. Company, The. (See Walstrom, Axel M., assignor.)

- Creasy, Arthur E., Glenside, Pa., and C. A. Blake, Birmingham, Ala., assignors to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Loading device. 1,964,621; June 26.
- Creasy, George C., Gretna, Va. Steam cooker and like apparatus. 1,983,899; Dec. 11.
- Crech, Charles L., Jr., Winston-Salem, N. C. Extension table. 1,950,021; Mar. 6.
- Creed and Company. (See Griffith, Ronald G., assignor.)
- Creed and Company, Limited. (See Griffith, Ronald G., assignor.)
- Creek, John O., and W. Wood, Hamilton, Ontario, Canada. Form shaping device for woodworking machines. 1,981,584; Nov. 20.
- Creel, Isaiah, New Castle, Pa. Curtain stretcher. 1,953,532; Apr. 3.
- Creess, George B., East Willington, Conn., assignor to Farrington Manufacturing Company, Boston, Mass. Printing plate. 1,951,596; Mar. 20.
- Crego, Richard C., Cleveland Heights, Ohio. Multiposition footstool or like article. Des. 92,703; July 10.
- Crego, Willard A., Canadagua, N. Y. Athletic suit. 1,962,984; June 12.
- Creighton, Harry M., East Norwalk, Conn., assignor to R-U. V. Company, New York, N. Y. Under water lighting unit. 1,968,072; July 31.
- Crelitz, William H., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Preparing batteries for storage or shipment without electrolyte. 1,953,591; Apr. 3.
- Creman, William F. (See Miller, Gail E., assignor.)
- Cremer, Carl, Friedrichshagen, near Berlin, Germany. Electric cable. 1,961,962; June 5.
- Cremer, Emil. (See Dühme, E. and Crèmer.)
- Crém, Aristide L., assignor to Evans Case Company, North Attleboro, Mass. Ornamenting enameled articles. 1,984,965; Dec. 18.
- Creo-Dipt Company. (See Magrath, Joseph, assignor.)
- Cresap, Andrew B., Berkeley, and V. C. Hall, San Francisco, Calif. Tobacco pipe. 1,974,104; Sept. 18.
- Crescent Brass Mfg. Co., Inc. (See Schwinger, Abraham, assignor.)
- Crescent Tool Company. (See Whalan, J. P., and Harkness, assignors.)
- Creser, Alfred A. T., Richmond, and G. B. Baker, London, England. Valve device for feeding bottles. 1,966,614; July 17.
- Cress, Horatio G., Troy, Ohio. Holder for lesson scrolls. 1,981,585; Nov. 20.
- Cressaty, Geo. M. (See Jauvert, Pierre M., assignor.)
- Cressaty, George M. (See Marsat, Antoine, assignor.)
- Cressaty, George M., Toledo, Ohio. Headlight cover glass. Des. 91,805; Mar. 27.
- Cretors, Charles, Chicago, Ill. Corn popping apparatus. 1,941,973; Jan. 2.
- Cretors, Charles, Chicago, Ill. Confectioner's melting furnace. 1,961,136; June 5.
- Creveling, John L., near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,946,064; Feb. 6.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,951,503; Mar. 20.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,958,183; May 8.
- Creveling, John L., near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating means. 1,960,527; May 29.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,965,690; July 10.
- Creveling, John L., near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,965,691; July 10.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,970,279; Aug. 14.
- Creveling, John L., near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,974,150; Sept. 18.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,975,311; Oct. 2.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,975,312; Oct. 2.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,975,313; Oct. 2.
- Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,984,865; Dec. 18.
- Crew, Joshua A., Zanesville, Ohio. Treating sand. 1,957,579; May 8.
- Crowdson, Eric, assignor of one-half to Gilbert Gilkes and Gordon Limited, Kendal, England. Rotary fluid-pressure engine. 1,947,334; Feb. 13.
- Cribb, George D. G., and W. H. Whitty, London, England, assignors to International Carbonic Engineering Company, Kennett Square, Pa. Production of solid carbon dioxide. 1,969,703; Aug. 7.
- Cribben & Sexton Company. (See Pellegrin, Elmer D., assignor.)
- Cribben & Sexton Company. (See Wilkinson, G. D., and Pellegrin, assignors.)
- Crich, Oliver G., assignor to Somerville Paper Boxes Limited, London, Ontario, Canada. Display device. Des. 93,457; Oct. 2.
- Crichton, Leslie N., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Relay apparatus. 1,955,324; Apr. 17.
- Crichton, Leslie N., East Orange, N. J., H. C. Graves, Upper Darby, Pa., and M. R. Feldmann, Nutley, N. J., assignors to Westinghouse Electric and Manufacturing Company. Protective system. 1,968,439; July 17.
- Crichton, Leslie N., East Orange, N. J., and H. C. Graves, Jr., Upper Darby, Pa., assignors to Westinghouse Electric and Manufacturing Company. Protective relay system. 1,967,200; July 17.
- Crichton, Leslie N., Livingston, N. J., and H. C. Graves, Jr., Upper Darby, Pa., assignors to Westinghouse Electric and Manufacturing Company. Impedance element for protective relay systems. 1,967,201; July 17.
- Crick, Thomas, assignor to Independence Stove and Furnace Company, Independence, Mo. Furnace radiator. 1,944,497; Jan. 23.
- Crick, Thomas, assignor to Independence Stove and Furnace Company, Independence, Mo. Sign. 1,944,498; Jan. 23.
- Crickmer, Charles S. (See Thaheld, F. A., and Crickmer.)
- Criley, William W., Cleveland, Ohio. Die slide. 1,966,925; July 17.
- Criley, William W., Cleveland, Ohio. Clutch. 1,968,129; July 31.
- Criley, William W., Cleveland, Ohio. Clutch. 1,968,130; July 31.
- Criley, William W., Cleveland, Ohio. Forging machine. 1,975,537; Oct. 2.
- Crim, Robert L., Evanston, assignor of one-half to M. S. Cayne, Chicago, Ill. Power brake mechanism. 1,975,059; Sept. 25.
- Crimmel, Alvie C. and H. H., Hartford City, Ind. Receptacle and combination tray and cover. 1,949,453; Mar. 6.
- Crimmel, Henry H. (See Crimmel, Alvie C. and H. H.)
- Crimmins, William C., Chicago, Ill., assignor to T. H. Ferguson. Electric fuse. 1,952,058; Mar. 27.
- Crimp, John A., Yakima, Wash. Vending machine. 1,944,499; Jan. 23.
- Criner, Harry E. (See Criner, Harry J., and H. E.)
- Criner, Harry E., Davenport, assignor to The Micro Corporation, Bettendorf, Iowa. Bread slicing machine. 1,942,955; Jan. 9.
- Criner, Harry J., Davenport, Iowa. Bread slicing machine. 1,945,025; Jan. 30.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 1,976,331; Oct. 9.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Lifter for hot dishes. 1,983,168; Dec. 4.
- Criner, Harry J., and H. E., Davenport, assignors, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Feeding appliance for bread slicing machines. 1,957,321; May 1.
- Crippen, Stuart S., Jr., Chicago, Ill. Display holder. Des. 91,512; Feb. 20.
- Criqui, Charles A. (See Larkin, Elwood T., assignor.)
- Crispen, Harry L. (See Goss, John C., and Crispin.)
- Crispin, Edwin S., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Handle lock for vacuum cleaners. 1,943,163; Jan. 9.
- Crissey, Thomas H., New Canaan, Conn. Aeroplane control device. 1,965,793; July 10.
- Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,961,279; June 5.
- Critchett, James H., Douglaston, N. Y., assignor to Electro Metallurgical Company. Composite metal article. 1,975,742; Oct. 2.
- Critchfield, Robert M., assignor to Delco-Remy Corporation, Anderson, Ind. Neon lamp generator. 1,952,121; Mar. 27.
- Critchfield, Robert M., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric motor. 1,956,373; Apr. 24.
- Critchfield, Robert M., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Signal device. 1,967,745; July 24.
- Critchlow, Ezra F. (See Hanna, C. R., and Critchlow.)
- Crites, Robert A. (See Betterton, J. O., Crites, and Wagner, assignors.)
- Crites, Wilbur J., and D. R. Knowlton, assignors to Phillips Petroleum Company, Bartlesville, Okla. Method and apparatus for controlling oil wells. 1,961,280; June 5.
- Crittenden, Butler P., Watertown, and A. C. Killinger, Everett, assignors to Beacon Oil Company, Boston, Mass. Device for measuring temperatures of hot fluids. 1,981,721; Nov. 20.
- Croasdale, John P., Jr., Berwyn, and J. A. Roberts, Philadelphia, Pa.; said Roberts assignor to said Croasdale. Planting tool. 1,952,585; Mar. 27.
- Croasdale, John P., Jr., Berwyn, and J. A. Roberts, East Lansdowne, Pa.; said Roberts assignor to said Croasdale. Straw mat. 1,978,103; Oct. 23.
- Crocco, Raphael, Westfield, N. J. Potato slicer. Des. 92,794; July 17.
- Crocco, Samuel, et al. (See Cauli, James W., assignor.)

- Croce, Michele, Boyer Road, Cheltenham, Pa., assignor, by mesne assignments, to Sloane-Blabon Corporation, New York, N. Y. Coating material. 1,948,959; Feb. 27.
- Crocker First Federal Trust Company, executor. (See Hunt, Andrew M.)
- Crocker, Frances K. (See Holmsted, Francis K., assignor.)
- Crocker, Irving S., Lynn, Mass., assignor to General Electric Company. Metal mirror. 1,953,796; Apr. 3.
- Crocker, Percival B., assignor to The Sentry Company, Taunton, Mass. Furnace. 1,962,482; June 12.
- Crocker, Seth C., Boston, Mass. Pocket clip for pens, pencils, and the like. Des. 91,765; Mar. 20.
- Crocker, Seth C., Boston, Mass. Fountain pen or similar article. Des. 94,118; Dec. 25.
- Crocker, Thomas F., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,956,374; Apr. 24.
- Crocker, Thomas F., Chicago, and V. S. Sharp, deceased, by B. M. Sharp, administratrix, Elmhurst, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,946,671; Feb. 13.
- Crocker-Wheeler Electric Manufacturing Company. (See Spencer, Millard C., assignor.)
- Crockett, Jesse E., Minden, La. Pipe lifter and aligner. 1,985,152; Dec. 18.
- Croford, Joseph R., Jackson Heights, assignor to G. M. Co. Mfg. Company, Inc., Long Island City, N. Y. Guide and stripper. 1,959,020; May 15.
- Croford, Joseph R., Jackson Heights, assignor to G. M. Co. Mfg. Company, Inc., Long Island City, N. Y. Continuous stripper. 1,959,124; May 15.
- Crofoot, Elisha H., assignor to J. B. Crofoot, Mount Prospect, Ill. Staple puller. 1,973,846; Sept. 18.
- Crofoot, John B. (See Crofoot, Elisha H.)
- Croft, Hiram D. (See Perkins, J. L., and Croft.)
- Croft, Hiram D. (See Perkins, J. L., Croft, and Delogha.)
- Croft, Hiram D., Springfield, assignor to Perkins Machine & Gear Company, West Springfield, Mass. Machine tool. 1,981,263; Nov. 20.
- Croft, Robert J. (See Morrison, R. T., and Croft.)
- Croft, William, Naperville, Ill. Measuring sugar server. 1,969,780; Aug. 14.
- Crofton, Cecil R., Caernarvon, North Wales. Retinoscope or like instrument for ascertaining objectively the refraction of eyes. 1,944,406; Jan. 23.
- Cromartie, George G., et al. (See Barfield, Andrew R., assignor.)
- Cromartie, George G., Maplewood, N. J. Loud speaker mounting. 1,958,888; May 15.
- Cromer, Ford D., Birmingham, Ala. Fountain pen. Des. 92,704; July 10.
- Crompton, Bruce H., assignor to The H. C. Godman Company, Columbus, Ohio. Arch support for shoes. 1,953,048; Mar. 27.
- Crompton, George, Jr., Flushing, N. Y. Loom and fabric. 1,980,666; Nov. 13.
- Crompton & Knowles Loom Works. (See Barrett, Edwin W., assignor.)
- Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)
- Crompton & Knowles Loom Works. (See Dacey, E. J., and Robertson, assignors.)
- Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
- Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
- Crompton & Knowles Loom Works. (See Holt, T., and Lundgren, assignors.)
- Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)
- Crompton & Knowles Loom Works. (See Kronoff, Clarence V., assignor.)
- Crompton & Knowles Loom Works. (See McCleary, William E., assignor.)
- Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
- Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
- Crompton & Knowles Loom Works. (See Vose, Lewis S., assignor.)
- Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
- Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
- Crompton & Knowles Loom Works. (See Winters, H. J., and Clark, assignors.)
- Cromwell, Robert H., Maplewood, N. J. Cupola. 1,977,428; Oct. 16.
- Cronan, William J., Wethersfield, Conn. Steering wheel signal operating switch. 1,980,323; Nov. 13.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety attaching means. 1,952,045; Mar. 27.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Wedge key. 1,963,832; June 19.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety support for brake mechanism. 1,974,447; Sept. 25.
- Cronin, Annie, et al., trustees. (See Milone, Samuel, assignor.)
- Croning, Johannes, Hamburg, Germany. Metal casting process. 1,966,615; July 17.
- Cronk, John W., Newburgh, N. Y. Garment holder. 1,962,583; June 12.
- Cronson, Berthold A. (See Harkness, George K. and J. M., assignors.)
- Crooks, Earl G., assignor to Chemung Engineering Corporation, Elmira, N. Y. Textile bobbin. 1,956,191; Apr. 24.
- Crooks, Earl G., assignor to Chemung Engineering Corporation, Elmira, N. Y. Spooling machine. 1,964,785; July 3.
- Crooks, Harold S. (See Dunn, I. L., Wright, and Crooks.)
- Crooks, Kenneth E., Williamsport, Pa. Flooring. 1,952,536; Mar. 27.
- Crooks, William E. (See Walton, C. D., Crooks, and Small.)
- Croom, Guy, assignor to Lufkin Foundry & Machine Company, Lufkin, Tex. Adjustable friction crank for counterbalanced pumping units. 1,979,675; Nov. 6.
- Croope, Donald H. (See Nutting, H. S., Petrie, Croope, and Huscher.)
- Crosby, John H., Vero Beach, Fla. Antiglare device. 1,958,962; May 15.
- Crosby Steam Gate & Valve Co. (See Davidson, Kenneth S. M., assignor.)
- Crosland, Edward M., assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Oven for baking. 1,948,440; Feb. 20.
- Crosland, Edward M., assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Baker's oven. 1,961,034; May 29.
- Crosley Radio Corporation, The. (See Bussard, Emmery J. H., assignor.)
- Crosley Radio Corporation, The. (See Hunter, Theodore A., assignor.)
- Crosley Radio Corporation, The. (See Kilgour, Charles E., assignor.)
- Crosley Radio Corporation, The. (See Langley, Ralph H., assignor.)
- Crosley Radio Corporation, The. (See Money, Roland H., assignor.)
- Crosley Radio Corporation, The. (See Thomas, Stuart J., assignor.)
- Crosley Radio Corporation, The. (See Willging, Louis F., assignor.)
- Crosman, Alfred B., et al. (See Boucher, Albert P., assignor.)
- Crosman, Loring P., Maplewood, assignor to Gardner Company, Orange, N. J. Paper feed mechanism. 1,945,026; Jan. 30.
- Crosman, Loring P., Maplewood, assignor to Gardner Company, Orange, N. J. Listing calculator. 1,945,027; Jan. 30.
- Crosman, Loring P., Maplewood, assignor to Gardner Company, Orange, N. J. Listing calculator. 1,946,572; Feb. 13.
- Crosman, Loring P., Maplewood, assignor to Gardner Company, Orange, N. J. Proving calculating machine. 1,965,884; July 10.
- Cross, Anson K., Boothbay Harbor, Maine. Color finder and method for the study of painting. 1,973,921; Sept. 18.
- Cross, Benjamin F., Kew Gardens, N. Y. Holster holder. 1,964,035; June 26.
- Cross, Benjamin F., Kew Gardens, N. Y. Holster holder. 1,969,258; Aug. 7.
- Cross, Earl F., Elmhurst, Ill., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. End lock for rolling shutters. 1,943,371; Jan. 16.
- Cross, Ellwood V., Washington, D. C. Apparatus for power transformation. 1,978,990; Oct. 30.
- Cross, Frank L., Port Washington, N. Y., assignor to Cross Paper Feeder Company, Boston, Mass. Sheet registering mechanism. 1,976,601; Oct. 9.
- Cross, Grosvenor M. (See Cross, Roderic M., assignor.)
- Cross, Grosvenor M., Beaver Bay, Minn. Tank-filling nozzle with gauge. 1,951,472; Mar. 20.
- Cross, Grosvenor M., Beaver Bay, Minn. Scroll saw. 1,975,314; Oct. 2.
- Cross, Grosvenor M., Brookline, Mass. Scroll saw. 1,959,199; May 15.
- Cross, Grosvenor M., Boston, Mass. Shock absorber. 1,961,281; June 5.
- Cross, Guy C., Watervliet, Mich. Hack saw. 1,950,973; Mar. 13.
- Cross, Guy C., Watervliet, Mich. Bedstead. 1,954,283; Apr. 10.
- Cross, Guy C., Watervliet, Mich. Ventilating device. 1,972,076; Sept. 4.
- Cross, Herbert, Cynwyd, and E. E. Bussey, Philadelphia, Pa. Container. 1,974,600; Sept. 25.
- Cross, Jack M., assignor to Continental Can Company, Inc., New York, N. Y. Dredging container. 1,949,357; Feb. 27.
- Cross, Leonard W., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Expanded metal and method and apparatus for manufacturing the same. 1,950,372; Mar. 6.
- Cross Paper Feeder Company. (See Cross, Frank L., assignor.)
- Cross, Paul A., and W. Steinman, Takoma Park, Md. Foldable and extensible chair. 1,968,333; July 31.
- Cross, Richard W., Chicago, Ill. Mechanism for molding plastic material. 1,958,184; May 8.
- Cross, Roderic M., Minneapolis, Minn., assignor to G. M. Cross, Newton Center, Mass. Spring reaction neutralizer. 1,946,613; Feb. 13.

- Cross, Roy, Kansas City, Mo. Antiknock compound for internal combustion engines and making same. 1,958,744; May 15.
- Cross, Roy, assignor to Silica Products Co., Kansas City, Mo. Inorganic gel composition. 1,943,584; Jan. 16.
- Cross, Roy, assignor to Silica Products Company, Kansas City, Mo. Dental preparation. 1,943,856; Jan. 16.
- Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for the conversion of petroleum hydrocarbons. 1,948,492; Feb. 27.
- Cross, Walter M., Kansas City, Mo., assignor to Babcock & Wilcox Co., New York, N. Y. System of generating power and control therefor. 1,944,222; Jan. 23.
- Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating hydrocarbon oils. 1,969,502; Aug. 7.
- Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating hydrocarbons. 1,971,252; Aug. 21.
- Cross, Wilfred C. (See Rendle, V., and Cross.)
- Crossan, Jesse R., Wadsworth, Ohio. Producing punctureproof tire tubes. 1,959,460; May 22.
- Crossen, Edgar H., assignor to Franklin Valveless Engine Company, Franklin, Pa. Supercharging organization for internal combustion engines. 1,963,613; June 19.
- Crossen, Elmer J., East Orange, N. J. Belt conveyer. 1,970,842; Aug. 21.
- Crossen, George M., Minneapolis, Minn. Valve. 1,949,784; Mar. 6.
- Crossen, Robert W., jr., Plainfield, assignor to Farrell Manufacturing Company, Joliet, Ill. Cover. 1,960,897; May 29.
- Crossfield, Albert S. (See Rebber, L. L., Crossfield, and Ragatz.)
- Crossland, Ernest M. (See Crossland, John A. and E. M.)
- Crossland, John A. and E. M., Strangeways, Manchester, England. Electric iron and switch therefor. 1,981,309; Nov. 20.
- Crossley, Alfred, South Haven, Mich., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Piezo electric crystal apparatus. 1,955,359; Apr. 17.
- Crossley, Alfred, and C. C. Neighbors, assignors to Johnson Laboratories, Inc., Chicago, Ill. High-frequency induction. 1,978,568; Oct. 30.
- Crossley, Royal E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Combined illuminating and flood lamp. 1,954,167; Apr. 10.
- Crosthwait, David N., jr., Marshalltown, Iowa. Refrigerating apparatus and process. 1,972,704; Sept. 4.
- Crosthwait, David N., jr., Marshalltown, Iowa. Refrigerating method and apparatus. 1,972,705; Sept. 4.
- Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Vacuum pump. 1,946,524; Feb. 13.
- Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Method of steam heating from central station mains. 1,963,735; June 19.
- Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Steam heating system. 1,977,303; Oct. 16.
- Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Steam heating apparatus. 1,977,304; Oct. 16.
- Crotty, James A. (See Clark, David M., assignor.)
- Crouch, Edwin M., U. S. Navy. Electroplating interior surfaces. 1,953,955; Apr. 10.
- Crouch, Leslie E., et al. (See Musselwhite, Harry E., assignor.)
- Crouch, Richard H., Pulaski, Va. Dovetailing machine. 1,963,889; June 19.
- Crouse, George B., Newark, N. J., assignor to E. S. Cole, New York, N. Y. Computing ship's position and instrument therefor. 1,953,894; Apr. 3.
- Crouse, George B., assignor to Hardwick Hindle, Inc., Newark, N. J. Rheostat. 1,955,906; Apr. 24.
- Crouse, George B., Woodcliff, and J. L. Jatlow, Elizabeth, N. J., assignors, by mesne assignments, to Potter, Pierce & Scheffler, Washington, D. C. Voltage regulator. 1,952,974; Mar. 27.
- Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
- Crouse-Hinds Company. (See Brandenburger, Herbert J., assignor.)
- Crouse-Hinds Company. (See Crossley, Royal E., assignor.)
- Crouse-Hinds Company. (See Olley, Raymond H., assignor.)
- Crouse-Hinds Company. (See Pearson, John T., assignor.)
- Crout, Prescott D., Schenectady, N. Y., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Plugging control for electric motors. 1,975,829; Oct. 9.
- Crow, Lawrence M., assignor to Clifton Manufacturing Company, Waco, Tex. Tent frame. 1,958,296; May 8.
- Crow, Patrick H. (See Hoover, Walter S., assignor.)
- Crowder, Alexander N., Bridgewater Township, Somerset County, and R. B. Hesson, Bound Brook, N. J., assignors to Research Corporation, New York, N. Y. Water film precipitator. 1,968,334; July 31.
- Crowder, Havy Q. R., Chicago, Ill. Transfer sheet and making same. 1,963,778; June 19.
- Crowder, Thomas A. (See Mauk, R. R., and Crowder.)
- Crowe, Frederic C., assignor of two-thirds to S. H. and C. L. Cauley, Erie, Pa. Light-sensitive cell. 1,972,009; Aug. 28.
- Crowe, James H., assignor to The Midland Steel Products Company, Cleveland, Ohio. Automobile chassis frame and making same. 1,945,505; Jan. 30.
- Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Oxygen cutting process. 1,985,080; Dec. 18.
- Crowell, Erd V., Los Angeles, Calif. Well cementing apparatus. Re19,278; Aug. 21.
- Crowell, Erd V., Los Angeles, Calif. Swab. 1,983,523; Dec. 11.
- Crowell, Joyce H., and J. Ogilvie, Buffalo, and D. G. Rogers, Hamburg, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Production of anthraquinone coloring matters. 1,960,233; May 29.
- Crowell, William D., St. Louis, Mo., Ventilating apparatus for vehicle bodies. 1,980,039; Nov. 6.
- Crowley, Edward C., assignor to F. MacGovern Corporation, New York, N. Y. Electric stove. Des. 92,946; Aug. 7.
- Crowley, Edward C., assignor to F. MacGovern Corporation, New York, N. Y. Water heater. Des. 92,947; Aug. 7.
- Crowley, Edward C., assignor to F. MacGovern Corporation, New York, N. Y. Electric heater. Des. 92,948; Aug. 7.
- Crowley, Henry L., assignor to Henry L. Crowley & Co. Inc., East Orange, N. J. Electron discharge device. 1,941,661; Jan. 2.
- Crowley, Henry L., assignor to Henry L. Crowley & Co., Inc., West Orange, N. J. Indirectly heated cathode and insulator assembly. 1,974,448; Sept. 25.
- Crowley, Henry L., & Co., Inc. (See Crowley, Henry L., assignor.)
- Crowley, Jerome J. (See Amos, Clifford J., assignor.)
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Pressure gauge. 1,949,293; Feb. 27.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Positioning member for valve mechanisms. 1,956,981; May 1.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Coupling connection for air lines. 1,971,132; Aug. 21.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Dispensing device. 1,973,798; Sept. 18.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve cap. 1,973,799; Sept. 18.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Combined control valve and pressure gauge. 1,981,586; Nov. 20.
- Crowley, John F., London, England. Can, box, canister, and the like. 1,947,382; Feb. 13.
- Crowley, Joseph P. (See Gipe, J. C., Crowley, and Drake.)
- Crowley, Joseph P., assignor to The Libbey-Owens-Ford Glass Company, Toledo, Ohio. Supporting means for glass surfacing apparatus. 1,982,641; Dec. 4.
- Crowley, Joseph P., and G. R. Ford, jr., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing machine. 1,962,765; June 12.
- Crowley, Joseph P., and G. R. Ford, jr., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing apparatus. 1,962,766; June 12.
- Crowley, Joseph P., and G. R. Ford, jr., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing apparatus. 1,962,767; June 12.
- Crowley, Paul W., Des Moines, Iowa, assignor, by mesne assignments, to Good Humor Corporation of America. Device for reducing the capacity of molds and using the same. 1,969,259; Aug. 7.
- Crowley, William J., Claymont, Del. Device for pushing sheets from mechanical catchers for rolling mills. 1,978,342; Oct. 23.
- Crown Central Petroleum Corporation. (See Keeling, William O., assignor.)
- Crown Central Petroleum Corporation. (See Lang, Frederick R., assignor.)
- Crown Cork & Seal Company. (See Booth, George W., assignor.)
- Crown Cork & Seal Company. (See Calleson, Amos, assignor.)
- Crown Cork & Seal Company. (See Elder, John D., assignor.)
- Crown Cork & Seal Company. (See Gladfelder, Wiltie I., assignor.)
- Crown Cork & Seal Company. (See Huntley, G. J., and Rau, assignors.)
- Crown Cork & Seal Company. (See Lloyd, F. L., and Huntley, assignors.)
- Crown Cork & Seal Company. (See Warth, Albin H., assignor.)
- Crown Cork & Seal Company, Inc. (See Darling, Frank L., assignor.)
- Crown Cork & Seal Company, Inc. (See Darling, Glen F., assignor.)
- Crown Cork & Seal Company, Inc. (See Huntley, G. J., and Stewart, assignors.)
- Crown Cork & Seal Company, Inc. (See Kramer, Eric B., assignor.)
- Crown Cork & Seal Company, Inc. (See McManus, Charles E., assignor.)

- Crown Cork & Seal Company, Inc. (See Muir, James A., assignor.)
- Crown Cork & Seal Company, Inc. (See Warth, Alban H., assignor.)
- Crown Stove Works. (See Rogers, Charles J., assignor.)
- Crown Stove Works. (See Rogers, John C., assignor.)
- Crown Willamette Paper Company. (See Barber, W. R., Natwick, and Phelps, assignors.)
- Crown Willamette Paper Company. (See Natwick, Albert G., assignor.)
- Crown Willamette Paper Company. (See Shively, James L., assignor.)
- Crowson, Herbert W. (See Addler, J. H., and Crowson.)
- Crowther, Arliss I., Hollywood, Calif. Dentifrice package. 1,955,175; Apr. 17.
- Crowther, George A., Jackson Heights, assignor to International Safety Lock Nut Corporation, New York, N. Y. Lock nut. 1,944,595; Jan. 23.
- Crowther, Rae, Philadelphia, assignor to Rae Crowther, Inc., Ardmore, Pa. Football practice apparatus. 1,962,088; June 5.
- Crowther, Rae, Inc. (See Crowther, Rae, assignor.)
- Crowther, Thomas H. (See Hague, H., and Crowther.)
- Crozier, John L., Renton, Wash. Schedule signal clock. 1,982,982; Dec. 4.
- Crucible Steel Company. (See Langenberg, Frederick C., assignor.)
- Crucible Steel Company of America et al. (See Langenberg, Frederick C., assignor.)
- Crudo, Fernando, Buenos Aires, Argentina. Phonographic invention. 1,957,158; May 1.
- Cruikshank, Graham. (See Stimmel, B. A., McBean, and Cruikshank.)
- Cruikshank, James H., New York, N. Y. Bottle case. 1,956,710; May 1.
- Cruikshank, Lewis, et al. (See Howes, Raymond T., assignor.)
- Cruikshank, Dwight P., assignor to The Steel Equipment Company, Limited, Ottawa, Ontario, Canada. Handle. 1,976,118; Oct. 9.
- Cruikshank, Ernest W., Jacksonville, Fla. Toy. 1,954,040; Apr. 10.
- Cruikshank, Virginius M., Shamokin, Pa. Automatic stoker for furnaces. 1,961,552; June 5.
- Cruikshank, Virginius M., Shamokin, Pa. Automatic furnace stoker. 1,979,871; Nov. 6.
- Cruise, Gerald V., Jackson Heights, N. Y., assignor of one-third to S. E. Schultz, Bogota, and one-third to N. L. Dolph, West Caldwell, N. J. Circuit breaker. 1,977,716; Oct. 23.
- Cruise, Gerald V., Jackson Heights, N. Y., and S. E. Schultz, Bogota, N. J. Protective device for alternating current transmission lines. 1,960,083; May 22.
- Crum, Albert, New Lynn, Auckland, New Zealand. Brick. 1,959,816; May 22.
- Crum, Edward J. (See Loy, W. W., and Crum.)
- Crumb, Carlton W. (See Moore, C. W., and Crumb.)
- Crumb, Charles F., and S. E. Hilblom, Chicago, Ill., assignors to International Harvester Company. Tractor mower. 1,977,429; Oct. 16.
- Crumb, Stanley M. (See Allison, H. W., and Crumb.)
- Crume, Quincy E., McMinnville, Oreg. Log splitting gun. 1,965,136; July 8.
- Crumley, James A., and G. T. Wall, Charleston, W. Va. Coal mining machine. 1,985,339; Dec. 25.
- Crump, John W., Westminster, assignor to Bakelite Limited, London, England. Manufacture of resinous condensation products of aldehydes with phenol and urea. 1,973,050; Sept. 11.
- Crumrine, Chester W. (See Thompson, R. G., and Crumrine.)
- Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,945,847; Feb. 6.
- Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,955,578; Apr. 17.
- Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,957,322; May 1.
- Cruse, Raymond A., South Pekin, Ill. Permutation lock. 1,966,334; July 10.
- Crutchfield, Graham P., Albany, Tex. Carrier. 1,945,305; Jan. 30.
- Cruz, Carlos G., New York, N. Y. Ironing table. 1,974,263; Sept. 18.
- Cruze, Frederick C., and J. K. Haley, Knoxville, Tenn. Fluid-tight valve closure. 1,952,586; Mar. 27.
- Cryan, Joseph, Newtonville, Mass. Thread package. 1,974,862; Sept. 25.
- Crysler, George P., Chicago, Ill. Wall construction. 1,957,820; May 8.
- Crystal Corporation. (See Picker, Sidney, assignor.)
- Crystal Waxing Company, The. (See Baxter, Burke M., assignor.)
- Cuban-American Manganese Corporation. (See Weinig, A. J., and Cuthbertson, assignors.)
- Cubberley, Amariah H., Belleville, assignor to Hoffman Beverage Company, Newark, N. J. Bottle carrier. 1,968,877; Aug. 7.
- Cubicciotti, Rudolph, East Los Angeles, assignor to Union Oil Company of California, Los Angeles, Calif. Can carrier rack. Des. 93,540; Oct. 9.
- Cucci, Victor J. (See Kimball, D. D., and Cucci.)
- Cucuel, Arthur L., Bristol, assignor, by mesne assignments, to Cantilever Seat Company, Incorporated, Wallingford, Conn. Spring cushion. 1,983,346; Dec. 4.
- Cudney, Harry J. (See Wiley, Roy B. and W. K., and Cudney.)
- Cudney, Harry J., Buffalo, assignor to Flexdume Corporation, Tonawanda, N. Y. Illuminated sign. 1,976,836; Oct. 16.
- Cuenod, Ateliers H. (See Hilken, Alfred, assignor.)
- Cuffel, Roy O., Los Angeles, Calif. Folding table. 1,985,284; Dec. 25.
- Cuhel, William J., St. Paul, Minn. Man's garter. 1,965,220; July 3.
- Culhane, Edward A., and D. D. Wilson, Danbury, Conn. Machine for carroting furs. 1,960,528; May 29.
- Cullen, Edward V., Chicago, Ill. Tongs. 1,972,583; Sept. 4.
- Cullen, Frank P., Chicago, Ill. Unloader. 1,955,536; Apr. 17.
- Cullen, Harry E., and H. O. Ronning, assignors to H. P. Watson, deceased, Minneapolis, Minn.; A. F. Pillsbury and B. Watson, executors. Water cooler. 1,976,007; Oct. 9.
- Cullen, Harry E., and H. O. Ronning, assignors to H. P. Watson, deceased, Minneapolis, Minn.; A. F. Pillsbury and B. Watson, executors. Insulating device. 1,976,008; Oct. 9.
- Cullen, Willard H., Leonardtown, Md. Device for cleaning passages. 1,979,143; Oct. 30.
- Cullen, William L., Dearborn, and S. Roth and C. Hoefler, Detroit, Mich. Printing machine. 1,980,188; Nov. 13.
- Culler, Hubert H., and G. B. Patterson, High Point, N. C. Safety cash cabinet. 1,949,954; Mar. 6.
- Cullin, Jasper F., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Armature assembly machine. 1,979,454; Nov. 6.
- Cullinan, Thomas F., Johnson City, Tenn. Automobile locking mechanism. 1,947,036; Feb. 13.
- Culling, Chambers R., and M. A. Baernstein, assignors to National Pigments and Chemical Company, St. Louis, Mo. Treating ferrous metals. 1,935,315; Dec. 25.
- Cullmer, Harry R., Hollis, N. Y. Door lock and framing. 1,945,734; Feb. 6.
- Cullnan, Lawrence P., Chicago, Ill. Wrench. 1,963,833; June 19.
- Culp, Jay S., assignor to Monarch Governor Company, Detroit, Mich. Carburetor. 1,963,352; June 19.
- Culp, Jay S., assignor to W. F. Connolly, Detroit, Mich. Carburetor. 1,969,688; Aug. 7.
- Culp, Jeremiah S. and R. D., Mason City, Ill. Collapsible screen. 1,954,402; Apr. 10.
- Culp, Ralph D. (See Culp, Jeremiah S. and R. D.)
- Culpeper, Charles E. (See Buschman, Nathan H., assignor.)
- Culpeper, Charles E. (See Keith, C. D., and O'Brien, assignors.)
- Culver, Charles A., Northfield, Minn., assignor to Wired Radio, Inc., New York, N. Y. Signaling system. 1,958,986; May 15.
- Culver, Edward, Crouch End, and A. H. Emerson, Finchley, assignors to United Kingdom Optical Company, Limited, London, England. Manufacture of fused bifocal lenses. 1,971,394; Aug. 28.
- Culver, Edwin S., Oakland, assignor to Oliver United Filters Inc., San Francisco, Calif. Bearing and lubricant housing. 1,963,353; June 19.
- Culver, Laurence R., Cincinnati, Ohio. Control system for gas discharge tubes. 1,975,770; Oct. 9.
- Cumberland Coal Cleaning Corporation. (See Stevenson, Winfield W., Jr., assignor.)
- Cumbler, Horace M., Harrisburg, Pa. Suspenders. 1,967,925; July 24.
- Cumfer, Donald A., River Forest, Ill. Pipe coating device. 1,951,085; Mar. 13.
- Cumfer, Harry A., Chicago, Ill. Making a plaster receiving base. 1,977,046; Oct. 16.
- Cuming, M. A., & Co., Inc. (See Daru, Louis, assignor.)
- Cummer, F. D., & Son, Company, The. (See Bollard, Arthur W., assignor.)
- Cumming, William J., White Plains, N. Y. Air compressor governor. 1,965,070; July 3.
- Cummings, Bryan Y., Jr., New York, N. Y. Scanning system. 1,976,926; Oct. 16.
- Cummings, Charles D., Tully, assignor to Syracuse Chilled Plow Company Inc., Syracuse, N. Y. Sprayer. 1,943,655; Jan. 18.
- Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Electromagnetic relay. 1,964,505; June 26.
- Cummings, Malcolm F. (See Kidston, R. M., and Cummings.)
- Cummings, Nephi W., San Bernardino, Calif. Liquid level gauge. 1,943,207; Jan. 9.
- Cummings, W. W. (See Robinson, Victor H., assignor.)
- Cummings, William G., Tulsa, Okla. Sealing means for solidified carbon dioxide containers. 1,959,946; May 22.
- Cummins, Arthur B., Plainfield, N. J., assignor to Celite Corporation, New York, N. Y. Decolorizing and clarifying mineral oils and other liquids. 1,959,346; May 22.
- Cummins, Arthur B., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Siliceous product and making the same. 1,970,280; Aug. 14.
- Cummins, Norman W., assignor to Adler Manufacturing Co., Inc., Louisville, Ky. Carpet sweeper. Des. 91,705; Mar. 13.

- Cummins, Norman W., and J. A. Johnson, Louisville, Ky. Detachable handle for cooking utensils. 1,943,585; Jan. 16.
- Cummins Perforator Company. (See Ryan, Joseph F., assignor.)
- Cummins, Samuel E. (See Phillips, Fred, assignor.)
- Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Brake head and shoe assembly. 1,956,414; Apr. 24.
- Cummins, Thomas K., and C. L. Emry, assignors to Northern Malleable Iron Company, St. Paul, Minn. Hand brake mechanism. 1,944,546; Jan. 23.
- Cundall, Robert N. (See Powell, W. B., and Cundall.)
- Cundall, Robert N., Hamburg, assignor to Consolidated Packaging Machinery Corp., Buffalo, N. Y. Sewing machine for closing paper bags and the like. 1,963,652; June 19.
- Cuneo, John B., San Francisco, Calif. Building construction. 1,946,672; Feb. 13.
- Cunneen, John J., Brooklyn, N. Y. Lamp. Des. 93,649; Oct. 23.
- Cunningham, Archibald, St. Louis, Mo. Grinding wheel mounting. 1,954,560; Apr. 10.
- Cunningham, Arthur B. (See Vail, S. C., and Cunningham.)
- Cunningham, Arthur B., assignor to Autogas Corporation, Chicago, Ill. Gas burner. 1,956,857; May 1.
- Cunningham, David H., and R. W. Carlisle, Collingswood, and S. V. Perry, West Collingswood, N. J., assignors to Westinghouse Electric and Manufacturing Company. Energy translator. 1,963,191; June 19.
- Cunningham, E. T. (See Wise, Roger M., assignor.)
- Cunningham, Edward N., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Twisted fibrous rubber product and making the same. 1,947,759; Feb. 20.
- Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of sodium carbonate decahydrate. 1,977,376; Oct. 16.
- Cunningham, George L., R. B. MacMullin, and W. K. McCready, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of alkali metal carbamates. 1,964,723; July 3.
- Cunningham, George L., and R. B. MacMullin, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of sodium sesquicarbonate. 1,966,114; July 10.
- Cunningham, George L., and H. L. Robson, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of sodium sesquicarbonate and sodium bicarbonate. 1,975,449; Oct. 2.
- Cunningham, Guy L., assignor to Super Maid Cook-Ware Corporation, Chicago, Ill. Kettle or similar article. Des. 91,766; Mar. 20.
- Cunningham, Hal M., Belvidere, Ill. Furnace damper. 1,958,847; May 15.
- Cunningham, Homer B., and J. W. Tucker, Connellsville, Pa. Journal lubricator. 1,943,298; Jan. 16.
- Cunningham, John E., assignor to Peeler-Hansen Stove and Foundry Company, El Paso, Tex. Gas burner. 1,973,334; Sept. 11.
- Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Compensated pilot device. 1,963,957; June 26.
- Cunningham, Marion M., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake shoe. 1,954,521; Apr. 10.
- Cunningham, Marion M., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,972,550; Sept. 4.
- Cunningham, Marion M., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,974,561; Sept. 25.
- Cunningham, Orin D. (See Derby, I. H., and Cunningham.)
- Cunningham, Orin D., assignor to P. C. Reilly, Indianapolis, Ind. Inhibiting process and product. 1,961,096; May 29.
- Cunningham, Orin D., assignor to P. C. Reilly, Indianapolis, Ind. Inhibiting process and product. 1,961,097; May 29.
- Cunningham, Raymond C., Toledo, Ohio. Camera. 1,964,722; July 3.
- Cunningham, Roy H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Composite material. 1,960,180; May 22.
- Cunningham, Thomas. (See Masters, H. I., and Cunningham.)
- Cunningham, Wayne, Savannah, Ga. Portable collapsible building. 1,941,662; Jan. 2.
- Cunningham, William O. (See Chase, P. H., Falconer, and Cunningham.)
- Cunnington, George R., Akron, assignor to The Paine-Cunnington Company, Cleveland, Ohio. Vehicle-brake shield. 1,965,137; July 3.
- Cunnius, Calvin T., Highland Park, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Driving mechanism for engine starters. 1,950,296; Mar. 6.
- Cunnius, Calvin T., Highland Park, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Driving mechanism for engine starters. 1,974,985; Sept. 25.
- Cuno Engineering Corporation, The. (See Wolfson, Sidney L., assignor.)
- Cuozzo, Michele, Lynn, Mass. Shoe and making same. 1,963,577; June 19.
- Cuozzo, Michele, Lynn, Mass. Lasting machine. 1,974,206; Sept. 18.
- Cupples Company, Manufacturers. (See Bohlmann, Edward H., assignor.)
- Curab, H., Inc. (See Baruch, Sydney N., assignor.)
- Curdie, Julie C., Jacksonville, Ill. Potato chip cutter. 1,946,193; Feb. 6.
- Curlee Clothing Company. (See Gilbert, Ray, assignor.)
- Curley, Robert S., assignor to Saco-Lowell Shops, Lowell, Mass. Method of and apparatus for picking cotton. 1,945,259; Jan. 30.
- Curioni, Aldo, Larchmont, assignor to The Gasolaire Corporation, New York, N. Y. Gasifying apparatus. 1,977,872; Oct. 23.
- Curok, Julius, Chaplin, Saskatchewan, Canada. Lifting jack. 1,982,642; Dec. 4.
- Curran, John V., Toronto, Ontario, Canada. Film editor. 1,948,842; Feb. 27.
- Curran, Roy A., Bayonne, N. J., assignor to Standard Oil Development Company. Method and apparatus for treating asphalt. 1,951,790; Mar. 20.
- Currie, Clare H., Webster City, Iowa. Sewage stabilization apparatus and process for outfall sewers. 1,963,354; June 19.
- Currie, Frank S., San Bernardino, Calif. Sewage treating apparatus. 1,962,430; June 12.
- Currie, Frank S., San Bernardino, Calif. Skimming apparatus. 1,981,310; Nov. 20.
- Currie, Ralph P. (See Parrigin, H. P., and Currie.)
- Currie, Robert, Eastport, Maine, assignor to American Can Company, New York, N. Y. Sheet feeding apparatus. 1,980,983; Nov. 20.
- Currier, Arthur L., Shsburnham, Mass., assignor, by mesne assignments, to Cornell Bag Corporation. Filling machine. 1,953,646; Apr. 3.
- Currier, Harry G., jr., Newark, N. J. Ash tray. 1,948,025; Feb. 20.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,956,493; Apr. 24.
- Currier, Leslie C., assignor to The Sorg Paper Company, Middletown, Ohio. Device for testing paper. 1,953,155; Apr. 3.
- Curry, Harry W., Kansas City, Mo., assignor to International Patents Development Company, Wilmington, Del. Starch tabling system. 1,977,792; Oct. 23.
- Curry, Harry W., Kansas City, Mo., and F. M. Sayre, Montclair, N. J., assignors to International Patents Development Company, Wilmington, Del. Steeping process. 1,955,112; Apr. 17.
- Curry, James P. (See Hopkins, Ernest R., assignor.)
- Curtin, Frank G., Medford, Mass. Flushing valve. 1,943,951; Jan. 16.
- Curtin, Frank G., Medford, Mass. Flushing valve. 1,969,640; Aug. 7.
- Curtin, George M., Gloversville, N. Y. Grinder for dressing skins. 1,975,349; Oct. 2.
- Curtin, Leo P., Cranbury, N. J. Breaking oil-field petroleum-water emulsion. 1,973,430; Sept. 11.
- Curtin, Leo P., Cranbury, N. J., and W. Thordarson, assignors to The Western Union Telegraph Company, New York, N. Y. Preservation of wood. 1,984,254; Dec. 11.
- Curtis, Asaph B., Saronia, Wis. Raspberry variety. Pl. Pt. 113; Nov. 20.
- Curtis, Austen M., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Light valve. 1,943,112; Jan. 9.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Duplex communication system. 1,948,981; Feb. 27.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and system for testing signaling lines. 1,958,611; May 15.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system adapted for deep sea telephone cables. 1,984,058; Dec. 11.
- Curtis, Cecil C., San Francisco, Calif. Apparatus for applying heat, cold, and pressure to the body. 1,984,520; Dec. 18.
- Curtis, Chalmer C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making protective sleeves. 1,965,953; July 10.
- Curtis, Chalmer C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Artificial turf and making the same. 1,968,809; Aug. 7.
- Curtis, Charles C. (See Stacey, George A., assignor.)
- Curtis, Charles G., New York, and E. R. Newton, Jamaica, assignors to Curtis Gas Engine Corporation, New York, N. Y. Two-cycle internal combustion engine. 1,964,036; June 26.
- Curtis Companies. (See Madsen, Sern, assignor.)
- Curtis Continental Corporation. (See Curtis, Jesse T., assignor.)
- Curtis, Edward W., and A. V. Breed, Jamestown, N. Y., assignors to Curtis Machine Corporation. Surfacing machine. 1,974,806; Sept. 25.
- Curtis, Eugene J., et al., trustees. (See Madsen, Sern, assignor.)
- Curtis, Frank J., Ben Avon, assignor to Pittsburgh Machine Tool Co., Braddock, Pa. Liquid measuring device. 1,969,966; Aug. 14.

- Curtis, Franklin E., St. Charles, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,941,663; Jan. 2.
- Curtis Gas Engine Corporation. (See Curtis, C. G., and Newton, assignors.)
- Curtis, George L., et al., trustees. (See Madsen, Sern, assignor.)
- Curtis, Harry C., Morecambe, assignor to Cellulose Acetate Silk Company, Limited, Lancaster, England. Twisting and winding artificial filaments. 1,976,332; Oct. 9.
- Curtis, Harry E., San Jose, assignor to Bill Motors Company, Oakland, Calif. Automotive vehicle. 1,953,749; Apr. 3.
- Curtis Harvesters, Inc. (See Baldwin, Curtis C., assignor.)
- Curtis, Helen B. (See Curtis, James D., assignor.)
- Curtis, Henry T. (See Ardavanis, A. G., and Curtis.)
- Curtis, Herbert C., Whitefish Bay, Wis. Snap switch operating mechanism. 1,973,800; Sept. 18.
- Curtis, James D., Collingswood, assignor, by mesne assignments, to H. B. Curtis, Camden, N. J. Spark intensifying device. 1,982,950; Dec. 4.
- Curtis, Jesse T., assignor to Curtis Continental Corporation, Cleveland, Ohio. Condenser. 1,950,352; Mar. 6.
- Curtis, John C., Cleveland, Ohio. Throttle valve and motive fluid connection for fluid actuated machines. 1,968,379; July 31.
- Curtis, John C., Cleveland, Ohio. Lug chuck for rock drills. 1,968,380; July 31.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Mounting for rock drills. 1,952,046; Mar. 27.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 1,967,499; July 24.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill retainer. 1,967,500; July 24.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Throttle valve and motive fluid connection for rock drills. 1,968,375; July 31.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Front end construction for rock drills. 1,968,376; July 31.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Blowing device for rock drills. 1,968,377; July 31.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 1,968,378; July 31.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill lubricator. 1,971,772; Aug. 28.
- Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill steel centralizer. 1,967,501; July 24.
- Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 1,967,502; July 24.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding device for rock drills. 1,980,256; Nov. 13.
- Curtis, John C., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Guide shell for rock drills. 1,981,992; Nov. 27.
- Curtis, Joseph R., Crown Mines, Johannesburg, Union of South Africa. Rock drill. 1,965,491; July 3.
- Curtis, Kenneth L., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection apparatus and/or system. 1,982,201; Nov. 27.
- Curtis, Leslie F., assignor to United American Bosch Corporation, Springfield, Mass. Electric relay. 1,979,317; Nov. 6.
- Curtis, Leslie F., W. F. Cotter, and L. E. Eastman, assignors to United American Bosch Corporation, Springfield, Mass. Dual wave band radioreceiver. 1,960,479; May 29.
- Curtis, Lewis E., assignor to Milcor Steel Company, Milwaukee, Wis. Machine for making corner molding, beading, and the like. 1,982,466; Nov. 27.
- Curtis Lighting, Inc. (See Langdon, Seth C., assignor.)
- Curtis Machine Corporation. (See Curtis, E. W., and Breed, assignors.)
- Curtis Manufacturing Company. (See Ackerman, Frank, assignor.)
- Curtis Manufacturing Company. (See Gygas, Ernest F., assignor.)
- Curtis, Thomas S., assignor to Vitrefrax Corporation, Huntington Park, Calif. Making a fused amorphous ceramic composition. 1,973,408; Sept. 11.
- Curtis, Tyson A. (See Jordan, J. L., Jr., and Curtis.)
- Curtis, Westley F., Washington, D. C. Relaxation circuit oscillator. 1,950,399; Mar. 13.
- Curtis, Westley F., Washington, D. C. Frequency divider. 1,950,400; Mar. 13.
- Curtis-Wiley Marine Salvos. (See Wiley, Elbert H. and C. H., assignors.)
- Curtis, William H., assignor to National Pumps Corporation, Dayton, Ohio. Apparatus for eliminating free air from liquid. 1,970,843; Aug. 21.
- Curtiss Aerocar Company. (See Curtiss, Glenn H., assignor.)
- Curtiss Aerocar Company. (See Hennessy, Daniel E., assignor.)
- Curtiss Aerocar Company. (See Parrish, William J., assignor.)
- Curtiss Aerocar Company. (See Robinson, Harold H., assignor.)
- Curtiss Aerocar Company. (See Robinson, Harold H. and H. A., sr., assignors.)
- Curtiss Aerocar Company, Inc. (See Curtiss, Glen H., assignor.)
- Curtiss Aerocar Company, Inc. (See Robinson, Harold H., assignor.)
- Curtiss Aeroplane & Motor Company. (See Beard, Myron G., assignor.)
- Curtiss Aeroplane & Motor Company. (See Blanchard, Werner J., assignor.)
- Curtiss Aeroplane & Motor Company. (See Hathorn, Charles E., assignor.)
- Curtiss Aeroplane & Motor Company. (See Miller, Roy G., assignor.)
- Curtiss Aeroplane & Motor Company. (See Page, G. A., Jr., and Warren, assignors.)
- Curtiss Aeroplane & Motor Company. (See Piccard, Jules E., assignor.)
- Curtiss Aeroplane & Motor Company. (See Rivers, Elmer J., assignor.)
- Curtiss Aeroplane & Motor Company. (See Trimbach, Clem G., assignor.)
- Curtiss Aeroplane & Motor Company, Inc. (See Butler, Arthur G., assignor.)
- Curtiss Aeroplane & Motor Company, Inc. (See Carleton, R. D., and Blaylock, assignors.)
- Curtiss Aeroplane & Motor Company, Inc. (See Child, Edward R., assignor.)
- Curtiss Aeroplane & Motor Company, Inc. (See Noonan, Edmund L., assignor.)
- Curtiss Aeroplane & Motor Company, Inc. (See Fink, Frank W., assignor.)
- Curtiss Aeroplane & Motor Company, Inc. (See Hathorn, Charles E., assignor.)
- Curtiss, Charles B., Bay City, Mich. Winch construction. 1,952,658; Mar. 27.
- Curtiss, Charles B., Bay City, Mich. Adjustable tightening idler. 1,971,551; Aug. 28.
- Curtiss Company, The. (See Curtiss, John A., assignor.)
- Curtiss, Glenn H., deceased, Country Club Estates, Fla., Lena P. Curtiss, executrix, assignor to Curtiss Aerocar Company, Inc. Trailer coupler. 1,946,194; Feb. 6.
- Curtiss, Glenn H., deceased, Country Club Estates, Fla.; L. P. Curtiss, sole executrix and trustee. Motor vehicle. 1,948,744; Feb. 27.
- Curtiss, Glenn H., deceased, Hammondsport, N. Y.; L. P. Curtiss, sole executrix and trustee. Motor vehicle. 1,948,745; Feb. 27.
- Curtiss, Glenn H., deceased, Country Club Estates, by L. P. Curtiss, Miami Springs, Fla., executrix, assignor to Curtiss Aerocar Company, Inc. Motor vehicle. 1,980,613; Nov. 13.
- Curtiss, John A., assignor to The Curtiss Company, Cleveland, Ohio. Golf green and making the same. 1,948,026; Feb. 20.
- Curtiss, Lena P., executrix. (See Curtiss, Glenn H.)
- Curtiss, Lena P., sole executrix and trustee. (See Curtiss, Glenn H.)
- Curtiss, Theron C., San Francisco, Calif. Vacuum cleaning machine. 1,963,653; June 19.
- Curtiss-Wright Airplane Company. (See Beech, Walter H., assignor.)
- Cushing, Adam G., Vancouver, Wash. Vehicle brake. 1,946,486; Feb. 13.
- Cushing, Charles F. (See Adair, S. T., and Cushing.)
- Cushing, John F., Evanston, assignor to Great Lakes Dredge & Dock Company, Chicago, Ill. Ball joint for conduits. 1,957,761; May 8.
- Cushing, William W., and R. K. Palmer, Hamilton, Ontario, Canada. Safety gate. 1,979,369; Nov. 6.
- Cushman, Abe L., Concord, N. H. Routing machine. 1,983,438; Dec. 4.
- Cushman Chuck Company, The. (See Sloan, H. E., and Highberg, assignors.)
- Cushman, David W., et al. (See Musselwhite, Harry E., assignor.)
- Cushman, Everett B., assignor to Food Machinery Corporation, San Jose, Calif. Agricultural apparatus. 1,972,680; Sept. 4.
- Cushman, H. T., Mfg. Co. (See De Vries, Herman E., assignor.)
- Cushman, Person W. (See Thorne, C. B., and Cushman.)
- Cushman, Robert, Boston, Mass., assignor to The Lamson Company, Syracuse, N. Y. Roller conveyor. 1,975,927; Oct. 9.
- Cushman, Solomon F. Jr., Agawam, Mass. Making metal objects. 1,969,728; Aug. 14.
- Cushwa, Charles B. (See Proctor, R. V., and Cushwa.)
- Cusset, Jules E., Paris, France. Mechanism for actuating windshield wipers. 1,964,109; June 26.
- Custer, Fred, and P. B. Brown, assignors to The De Vilbiss Company, Toledo, Ohio. Atomizer. 1,979,455; Nov. 6.
- Custer, Warren A., Orange, N. J. Organic compositions of matter and uses therefor. 1,976,716; Oct. 16.
- Customer Control Service Corporation. (See Adams, John B., assignor.)
- Cuthbert, Joseph W., Campbell, Calif. Compressor unit. 1,969,999; Aug. 14.
- Cuthbert, William R., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Clip for writing instruments. Re19,346; Oct. 23.

- Cuthbert, William R., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Holder for fountain pens. 1,944,927; Jan. 30.
- Cuthbert, William R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Auxiliary well for ink bottles. 1,963,261; June 19.
- Cuthbertson, Frederick J., New Haven, Conn. Pitcher or similar article. Des. 93,458; Oct. 2.
- Cuthbertson, Frederick J., New Haven, Conn. Plate or similar article. Des. 93,459; Oct. 2.
- Cuthbertson, Robert E. (See Weinig, A. J., and Cuthbertson.)
- Cutler, Bernard, New Haven, Conn. Intermittent grip device. 1,967,114; July 17.
- Cutler, Frank G. (See Haswell, A. B., and Cutler.)
- Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Conveyor. 1,942,538; Jan. 9.
- Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Washer. 1,944,876; Jan. 30.
- Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Conveyor system. 1,967,397; July 24.
- Cutler-Hammer, Inc. (See Brown, Glendon C., assignor.)
- Cutler-Hammer, Inc. (See Crout, Prescott D., assignor.)
- Cutler-Hammer, Inc. (See Evans, Clarence T., assignor.)
- Cutler-Hammer, Inc. (See Giard, Eugene A., assignor.)
- Cutler-Hammer, Inc. (See Giard, E. A., and Fritz, assignors.)
- Cutler-Hammer, Inc. (See Harwood, Paisley B., assignor.)
- Cutler-Hammer, Inc. (See Harwood, P. B., and Kennedy, assignors.)
- Cutler-Hammer, Inc. (See Hunter, Richard B., assignor.)
- Cutler-Hammer, Inc. (See Hunter, R. B., and Robbins, assignors.)
- Cutler-Hammer, Inc. (See Kollath, Francis C., assignor.)
- Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)
- Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)
- Cutler-Hammer, Inc. (See Laabs, Eric H., assignor.)
- Cutler-Hammer, Inc. (See Lent, Wilmar F., assignor.)
- Cutler-Hammer, Inc. (See Lockett, Ralph G., assignor.)
- Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
- Cutler-Hammer, Inc. (See Meyer, Friedrich W., assignor.)
- Cutler-Hammer, Inc. (See Millermaster, Ralph A., assignor.)
- Cutler-Hammer, Inc. (See Pickering, George H., assignor.)
- Cutler-Hammer, Inc. (See Richardson, Linwood T., assignor.)
- Cutler-Hammer, Inc. (See Schmidt, E. X., and Stevens, assignors.)
- Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)
- Cutler-Hammer, Inc. (See Seeger, E. W., and Defandorf, assignors.)
- Cutler-Hammer, Inc. (See Seeger, E. W., and Lassen, assignors.)
- Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
- Cutler-Hammer, Inc. (See Stansbury, C., and Brown, assignors.)
- Cutler-Hammer, Inc. (See Tregoning, William C., assignor.)
- Cutler-Hammer, Inc. (See Wilson, H., and Ritchie, assignors.)
- Cutler, Jacob, Malden, Mass. Pot holder and match-box combination. Des. 93,330; Sept. 18.
- Cutler, Jacob, Malden, Mass. Razor blade and bathroom article holder. Des. 93,331; Sept. 18.
- Cutler, Joseph W., assignor to Cutler Mail Chute Co., Rochester, N. Y. Mail chute. 1,983,071; Dec. 4.
- Cutler Mail Chute Co. (See Cutler, Joseph W., assignor.)
- Cutler Mail Chute Co. (See Howard, Lester, assignor.)
- Cutler Mail Chute Co. (See Van Riper, Stanley V., assignor.)
- Cutler, Wallace M. (See Scott, E. J., and Cutler.)
- Cutolo, Mario A., Newark, N. J. Propeller. 1,954,309; Apr. 10.
- Cuttat, Georges, assignor to Societe Anonyme des Etablissements Cuttat, Paris, France. Regulator for hydraulic cylinders. 1,964,196; June 26.
- Cutter, George A., Dedham, assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Method of and apparatus for electric welding. 1,965,521; July 3.
- Cutter, George A., Dedham, Mass., assignor to Thomson-Gibb Electric Welding Company. Electric welding. 1,975,225; Oct. 2.
- Cutter, John, Tulsa, Okla., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Handling residuum. 1,983,659; Dec. 11.
- Cutter Laboratory, The. (See Cutter, Robert K., assignor.)
- Cutter Manufacturing Company. (See Huff, Elbridge G., assignor.)
- Cutter, Robert K., assignor to The Cutter Laboratory, Berkeley, Calif. Hypodermic syringe. 1,948,982; Feb. 27.
- Cutting, Charles D., assignor to Charles D. Cutting, Inc., Detroit, Mich. Universal joint. 1,943,814; Jan. 16.
- Cutting, Charles D., assignor to Charles D. Cutting, Inc., Detroit, Mich. Universal joint. 1,966,486; July 17.
- Cutting, Charles D., Inc. (See Cutting, Charles D., assignor.)
- Cutting, Clark T., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,963,779; June 19.
- Cutting, Theodore A., Campbell, Calif. Electric motor. 1,966,335; July 10.
- Cuttner, Wm., Inc. (See Snider, Henry D., assignor.)
- Cuyler, Robert F., assignor to Ray-Glo Corporation, Athens, Ohio. Gas burner. 1,942,397; Jan. 9.
- Cuyler, Robert F., Athens, and F. M. Hartford, Columbus, assignors to Ray-Glo Corporation, Athens, Ohio. Gas heater. 1,947,830; Feb. 20.
- Cycleto Corporation. (See Hess, Albert L., assignor.)
- Cyclofile Corporation. (See Stafford, James B., assignor.)
- Cyclone Fence Company. (See Chapman, Henry G., assignor.)
- Cyclone Fence Company. (See Harter, Noah S., assignor.)
- Cygon, Leon, Wichita Falls, Tex. Animated advertising display. 1,954,561; Apr. 10.
- Cypra, Helmut, Berlin-Karow, Germany, assignor to General Electric Company. Electric valve-converting system. 1,959,200; May 15.
- Cyr, Howard M. (See Ginder, P. M., Mahler, and Cyr.)
- Cyr, Howard M., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Paper-making. 1,954,799; Apr. 17.
- Cyr, Howard M., Palmerton, Pa., and O. Kress, Appleton, Wis., assignors to The New Jersey Zinc Company, New York, N. Y. Paper-making. 1,954,800; Apr. 17.
- Czarnecki, Casimer, et al. (See Czarnecki, Walter V., jr., assignor.)
- Czarnecki, Mary, et al. (See Czarnecki, Walter V., jr., assignor.)
- Czarnecki, Stanley, et al. (See Czarnecki, Walter V., jr., assignor.)
- Czarnecki, Walter, sr., et al. (See Czarnecki, Walter V., jr., assignor.)
- Czarnecki, Walter V., jr., assignor to W. Czarnecki, sr., M. Czarnecki, N. Wojowski, W. Czarnecki, S. Czarnecki, W. V. Czarnecki, jr., and C. Czarnecki, a copartnership of Eddington, Pa., doing business as Eddington Metal Specialty Co. Spray tip for an oil burner or the like. Des. 93,865; Nov. 20.
- Czarnecki, Wesley, et al. (See Czarnecki, Walter V., jr., assignor.)
- Czarny, Martin. (See Frolander, F. C., and Czarny.)
- Czech, Mike. (See Zielinski, Peter, assignor.)
- Czamba, Frank. (See Williams, W. D., and Czamba.)
- Czamba, Frank, Duluth, Minn., assignor to American Steel & Wire Company, Chicago, Ill. Scroll cutting machine. 1,982,983; Dec. 4.
- Czerweny, Viktor, Waltendorf, near Graz, Austria. Box making machine. 1,962,638; June 12.
- Czichos, Paul A., Washington, D. C. Golf tee. 1,959,347; May 22.
- Dabadie, Clyde R., Stockton, Calif. Air cleaner. 1,968,016; July 31.
- Dabney, Samuel B., Houston, Tex. Pipe. 1,948,649; Feb. 27.
- Dabrasky, August, Washington, D. C. Fuse setting machine. 1,946,487; Feb. 13.
- Dacey, Edward J., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster loom. 1,958,130; May 8.
- Dacey, Edward J., Philadelphia, Pa., assignor to Crompton-Knowles Loom Works, Worcester, Mass. Axminster loom. 1,973,335; Sept. 11.
- Dacey, Edward J., Philadelphia, Pa., and W. W. Robertson, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving tufted fabric with pattern on the back. 1,958,129; May 8.
- Dachlauer, Karl, C. Thomsen, and A. Voss, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main-Hochst, Germany. Solubilizing compounds which are difficultly soluble or insoluble in water. 1,956,415; Apr. 24.
- Dacon, Charles H., and V. Stults, assignors to St. Louis Tire Retreading Machine Company, St. Louis, Mo. Retreading tires. 1,953,750; Apr. 3.
- Da Costa, Antonio. (See Ferreira, J., and Da Costa.)
- Dacosta, Julio F., Cienfuegos, Cuba. Bicycle lock. 1,967,926; July 24.
- Da Costa, Robert C., Chestnut Hill, assignor to H. H. Eby, Philadelphia, Pa. Electrical connector. 1,963,228; June 19.
- Da Costa, Robert C., assignor to H. H. Eby, Philadelphia, Pa. Circuit controller. 1,966,115; July 10.
- Daddio, Pasquale, New York, N. Y. Pneumatic tire. 1,982,135; Nov. 27.
- Daderko, Michael. (See Lisela, R. A., and Daderko.)
- D'Adrian, Alexander L. D., Alton, Ill., assignor to Ingram & Duval, Inc., Baltimore, Md. Production of barium sulphate. 1,981,094; Nov. 20.
- Dady, Homer, Indianapolis, Ind. Doughnut cutter. Des. 94,119; Dec. 25.
- Dagnall, Reginald F., and A. H. Reffell, Guildford, England. Flotation gear for aircraft. 1,956,494; Apr. 24.
- Dahl, Conrad, assignor of one-half to M. A. Pardieck, Chicago, Ill. Amusement and exercising device. 1,974,531; Sept. 25.
- Dahl, George B. (See McDonald, J., and Dahl.)
- Dahl, George H. M., Washington, D. C. Machine for making printers' leads and rules. 1,946,488; Feb. 13.
- Dahl, Harold A. C. (See Gordon, G. B., and Dahl.)
- Dahl, Lawrence S., and J. L. Peet, Gary, Ind., assignors to American Sheet and Tin Plate Company. Apparatus for cleaning metal working rolls. 1,984,729; Dec. 18.
- Dahl, Martin, Seattle, Wash. Can opener. 1,945,137; Jan. 30.
- Dahl, Max. (See Brasch, A., Lange, and Dahl.)

- Dahl, Oscar, La Rochelle, France, assignor to V. D. Limited, London, England. Free ground-rope trawl gear. 1,943,372; Jan. 16.
- Dahl, Otto. (See Masing, G., and Dahl.)
- Dahl, Otto, Berlin-Wilmersdorf, and F. Pawlek, Karlshorst, Germany, assignors to General Electric Company. Improving the magnetic properties of iron and iron alloys. 1,973,525; Sept. 11.
- Dahl, Phillip, Volga, S. Dak. Seat support. 1,977,544; Oct. 16.
- Dahlberg, Arthur C., Geneva, N. Y. Milk products and producing same. 1,962,552; June 12.
- Dahlen, Miles A. (See Hitch, E. F., Dahlen, and Friedrich.)
- Dahlen, Miles A. (See Holmes, F. B., and Dahlen.)
- Dahlen, Miles A. (See Jordan, H., and Dahlen.)
- Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuff and its preparation. 1,975,830; Oct. 9.
- Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye and its preparation. 1,976,010; Oct. 9.
- Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of aminoazobenzenes. 1,977,266; Oct. 16.
- Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuffs. 1,978,783; Oct. 30.
- Dahlen, Miles A., Wilmington, and F. Zwilmeyer, Gordon Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing intermediate and its production. 1,968,878; Aug. 7.
- Dahlen, Miles A., Wilmington, and F. Zwilmeyer, Gordon Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing and printing textile material. 1,968,879; Aug. 7.
- Dahlen, Miles A., Wilmington, Del., and M. E. Friedrich, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye and method for its preparation. 1,972,873; Sept. 11.
- Dahlen, Miles A., and C. K. Black, Wilmington, Del., and W. L. Foohey, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polynaphthyl ethers. 1,979,144; Oct. 30.
- Dahlen, Miles A., and C. K. Black, Wilmington, Del., and W. L. Foohey, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing polynaphthyl ethers. 1,979,145; Oct. 30.
- Dahlen, Miles A., Wilmington, Del., and W. L. Foohey, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of organic nitro compounds. 1,981,311; Nov. 20.
- Dahlen, Miles A., and R. E. Etzelmiller, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Arylamine and its production. 1,985,601; Dec. 25.
- Dahlgren, Sven A. B., Alsten, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Refrigerating apparatus. 1,960,809; May 29.
- Dahlin, Gustaf. (See Sundback, G., and Dahlin.)
- Dahlman, Verner, New Lenox, assignor to Independent Air Filter Company, Chicago, Ill. Air filter. 1,944,407; Jan. 23.
- Dahlman, Verner, New Lenox, assignor to Independent Air Filter Company, Chicago, Ill. Air filter. 1,953,156; Apr. 3.
- Dahlquist, Arthur W., San Francisco, Calif. Cap. Des. 92,706; July 10.
- Dahlstrand, Hans, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Flange connection. 1,957,699; May 8.
- Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Flange connection. 1,957,700; May 8.
- Dahlstrand, Josef Y., assignor to Murray Iron Works Company, Burlington, Iowa. Unit heater. 1,949,993; Mar. 6.
- Dahlstrand, Josef Y., assignor to Murray Iron Works Company, Burlington, Iowa. Regulating a steam turbine. 1,985,404; Dec. 25.
- Dahlstrom Arvid, assignor of one third to F. Landberg, and one-third to J. P. Seeburg, Chicago, Ill. Automatic phonograph. 1,970,417; Aug. 14.
- Dahlström, Ernst R., assignor to Aktiebolaget Formator, Stockholm, Sweden. Method of and machine for manufacturing cigars. 1,962,810; June 12.
- Dahlström, Ernst R., Alsten, and C. G. B. Rothelius, assignors to Aktiebolaget Formator, Stockholm, Sweden. Device for the separating of stem parts from a tobacco mass. 1,945,771; Feb. 6.
- Dahlstrom, John A. (See Chadwick, L. S., and Dahlstrom.)
- Dahlstrom Metallic Door Company. (See Coleman, Elmer W., assignor.)
- Dahlstrom Metallic Door Company. (See Dawson, Axel G., assignor.)
- Dahlstrom Metallic Door Company. (See Jacobson, Ludwig G., assignor.)
- Dahm, Henry L. (See Heffernan, G. F., jr., and Dahm.)
- Dahms, Alfred A., Chicago, Ill., and T. C. Knudsen, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Railroad car drive. 1,985,766; Dec. 25.
- Daiber, Ernst. (See Sass, F., and Daiber.)
- Dalgre, Joe A., et al. (See Haydel, Whitney A., assignor.)
- Dailey, Charles A., Torrence, and J. V. Box, Los Angeles, Calif. Automatic double acting blow-out preventer for use in oil well drilling. 1,978,991; Oct. 30.
- Dailey, Lewis A. (See McCormick, E., and Dailey.)
- Dailey, Marvel C. (See Randel, W. S., Dailey, and McNeil.)
- Dailey, William O., Portland, Oreg. Spring wire collar snubber. 1,945,422; Jan. 30.
- Daily, James M., assignor to American Ozone Company, Chicago, Ill. Casing for an electrical water purifying unit of the ozone type for use with a bottle type water cooler. Des. 93,092; Aug. 21.
- Daimler-Benz Aktiengesellschaft. (See Aichele, G., and Heess, assignors.)
- Daimler-Benz Aktiengesellschaft. (See Bildstein, Sepp, assignor.)
- Daimler-Benz Aktiengesellschaft. (See Fritzsche, Paul, assignor.)
- Daimler-Benz Aktiengesellschaft. (See Knecht, Franz, assignor.)
- Daimler-Benz Aktiengesellschaft. (See Köhler, Otto, assignor.)
- Daimler-Benz Aktiengesellschaft. (See Kummich, Theodor, assignor.)
- Daimler-Benz Aktiengesellschaft. (See Nallinger, Fritz, assignor.)
- Daimler-Benz Aktiengesellschaft. (See Porsche, Ferdinand, assignor.)
- Daimler Company Limited, The. (See Pomeroy, Laurence H., assignor.)
- Daimler, Karl. (See Steindorff, A., Daimler, and Platz.)
- Daimler, Karl, Frankfurt-on-the-Main-Hochst, and P. Kurzenberger, Frankfurt-on-the-Main-Griesheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Acidproof masonry. 1,962,483; June 12.
- Daimler, Karl, and G. Balle, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Splinterless material, particularly splinterless glass. 1,984,671; Dec. 18.
- Dain Manufacturing Company. (See Jones, Frank D., assignor.)
- Dain Manufacturing Company of Iowa. (See Jones, Frank D., assignor.)
- Dain Manufacturing Company of Iowa. (See Kelley, George N., assignor.)
- Dainton, Edgar H. (See Logette, A. I., and Dainton.)
- Dainty Maid Slippers, Inc. (See Calderazzo, Dominick J., assignor.)
- Daisley, Robert H., Birmingham, Mich., assignor to Wilcox-Rich Corporation. Oil control piston. 1,981,993; Nov. 27.
- Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
- Daitz Patents Foundation Binningen (Basel)-New-York. (See Daitz, Werner, assignor.)
- Daitz, Werner, Lubeck, Germany, assignor to the firm Daitz Patents Foundation Binningen (Basel)-New-York, Binningen, near Basel, Switzerland. Maintaining the sprinkling capability of finely granular table salt. 1,978,040; Oct. 23.
- Dake, Charles W. (See Wyant, I. A., and Dake.)
- Dake, Charles W., Chicago, Ill. Electric light. 1,957,821; May 8.
- Dake, Charles W., Grand Haven, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Producing brake drums. 1,954,665; Apr. 10.
- Dake, Charles W., Grand Haven, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Manufacturing a brake drum. 1,983,839; Dec. 11.
- Dake, Virgil H., Pittsburgh, Pa. Electric signaling and recording system. 1,972,980; Sept. 11.
- Dakin, John E., and W. L. Bolens, Milton, Pa. Fabric seam and making the same. 1,972,039; Aug. 28.
- Dalby, Thomas, Inc. (See Craig, Allan D., assignor.)
- Dale, Clarence R., Hollywood, and L. C. Nielson, assignors, by mesne assignments, to Hydril Company, Los Angeles, Calif. Inclination recording instrument for rotary strings. 1,976,216; Oct. 9.
- Dale, Colin B., Oak Park, Ill. Brake condition indicator. 1,951,597; Mar. 20.
- Dale, William F. (See Babendreer, A. I., and Dale.)
- Dale, Woolf, Dulwich Hill, near Sydney, New South Wales, Australia. Machine for removing wool from dead skins. 1,970,493; Aug. 14.
- Dalén, Gustaf, Lidings, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Grate structure for burning solid fuel. 1,948,699; Feb. 27.
- Dalén, Gustaf, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Coal hod. 1,957,097; May 1.
- Dales, Benton, Chadds Ford, Pa., assignor to The B. F. Goodrich Company, New York, N. Y. Rubber coated article and making same. Re19,155; May 8.
- Dales, Benton, Fairlawn, assignor, by mesne assignments, to American Anode Inc., Akron, Ohio. Making rubber goods. 1,959,021; May 15.
- Daley, Anna M., Springfield, Mass. Hair dressing pin. 1,972,644; Sept. 4.
- Daley, Charles A., Hornell, assignor to Air Reduction Company, Incorporated, New York, N. Y. Repairing rail joints. 1,951,727; Mar. 20.

- Daley, James C., Chicago, Ill., assignor, by mesne assignments, to Jewell Electrical Instrument Company. Radio tube tester. 1,945,802; Feb. 6.
- Daley, James C., assignor to Jefferson Electric Company, Chicago, Ill. Circuit breaker. 1,947,037; Feb. 13.
- Daley, James C., assignor to Jefferson Electric Company, Chicago, Ill. Making core laminations. 1,962,431; June 12.
- Daley, James C., River Forest, assignor to Jefferson Electric Company, Bellwood, Ill. Apparatus for forming core laminations. 1,962,432; June 12.
- Daley, James C., River Forest, and E. Goddard, assignors to Jefferson Electric Company, Chicago, Ill. Bushing means. 1,983,347; Dec. 4.
- Daley, Roger J., Chicago, Ill. Gasoline-dispensing apparatus. 1,969,360; Aug. 7.
- Daley, Walter F., Pelham Manor, assignor to Robert Gair Company, Inc., New York, N. Y. Berry box. 1,980,667; Nov. 13.
- Dalglish, James E., assignor of one-half to R. H. Young, Washington, D. C. Dishwashing machine. 1,951,273; Mar. 13.
- Dalglish, Walter, Glasgow, Scotland. Golf tee. 1,947,674; Feb. 20.
- Dall, Albert H. (See Ernst, H., and Dall.)
- Dall, Albert H., and H. Ernst, assignors to Cincinnati Grinders, Incorporated, Cincinnati, Ohio. Grinding machine. 1,952,423; Mar. 27.
- Dall, Albert H., and H. Ernst, assignors to Cincinnati Grinders, Incorporated, Cincinnati, Ohio. Grinding machine. 1,954,442; Apr. 10.
- Dall, Anna R., Washington, D. C. Doll. Des. 92,292; May 22.
- Dall, Horace E. (See Hodgson, J. L., and Dall.)
- Dallas, Charles D., Chicago, Ill., assignor to Revere Copper & Brass Incorporated, Rome, N. Y. Lacquering machine. 1,948,443; Feb. 27.
- Dallas Foundry. (See Abrams, Norman H., assignor.)
- Dallas Foundry. (See Bowdry, William P., Jr., assignor.)
- Dallas, Lawrence M., Summit, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding machine. 1,977,668; Oct. 23.
- Dallaway, Sydney. (See Gill, S. C., and Dallaway.)
- Dallenbach, Walter, Zurich, Switzerland. Vacuum discharge vessel. 1,957,993; May 8.
- Dallenbach, Walter, Berlin-Charlottenburg, Germany. Actuating device. 1,961,282; June 5.
- Dallenbach, Walter, Berlin-Charlottenburg, Germany. Arrangement for controlling the gas discharge in electric discharge vessels. 1,975,714; Oct. 2.
- Daller, Adrian O., Dennisport, Mass., assignor to Daller Carton Company, Inc., New York, N. Y. Carton. 1,959,525; May 22.
- Daller, Adrian O., Dennisport, Mass., assignor to Daller Carton Co., Inc., New York, N. Y. Carton. 1,975,831; Oct. 9.
- Daller Carton Co., Inc. (See Daller, Adrian O., assignor.)
- D'Almaine, Harry, and C. F. Thompson, assignors to Bodine Electric Co., Chicago, Ill. Reaction type synchronous motor. 1,945,028; Jan. 30.
- Dalpayrat, Henri F., assignor to Radio Patents Corporation, New York, N. Y. Band-pass filter. Re19,232; July 10.
- Dalpayrat, Henri F., assignor to Radio Patents Corporation, New York, N. Y. Band pass tuning circuits. 1,967,570; July 24.
- Dalrymple, Ferdinand H. (See Ward, W. J., Bauerle, and Dalrymple.)
- D'Alton, André, Paris, France. Acoustic device. 1,969,704; Aug. 7.
- Dalton, Daniel F. (See Hopkinson, E., and Dalton.)
- Dalton, Hubert K., Rumson, N. J. Lock for doors and other operable devices. 1,977,430; Oct. 16.
- Dalton, John T., assignor to Wright-Dalton Machinery Company, Durham, N. C. Perforating machine. 1,967,202; July 17.
- Dalton, John T., assignor to Wright-Dalton Machinery Company, Durham, N. C. Bag closing machine. 1,967,203; July 17.
- Dalton, William, Schenectady, N. Y. Railway track structure. 1,979,825; Nov. 6.
- Daly, Arthur J., Spondon, near Derby, England, assignor to Celanese Corporation of America. Composition and material comprising cellulose esters or ethers. 1,941,664; Jan. 2.
- Daly, Frank A., trustee. (See Roberts, Fred T., assignor.)
- Daly, George F. (See Lake, C. D., and Daly.)
- Daly, George F. (See Lake, C. D., Daly, and Hamilton.)
- Daly, George F. (See Lee, F., and Daly.)
- Daly, George F., Johnson City, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Electric interpreter. 1,946,900; Feb. 13.
- Daly, George F., Johnson City, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Clutch mechanism. 1,950,485; Mar. 13.
- Daly, George F., Johnson City, and J. E. Dayger, Binghamton, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Billing machine. 1,954,041; Apr. 10.
- Daly, Grover J., Chicago, Ill. Chair. Des. 93,384; Sept. 25.
- Daly, John A., New Rochelle, N. Y. Applying metal coatings to bodies and material for use therein. 1,954,403; Apr. 10.
- Daly, John J., and B. Alberdi; said Alberdi assignor to Dalynip Poured Corp., New York, N. Y. Advertising frame for a liquid pourer. 1,970,798; Aug. 21.
- Daly, Joseph P., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,974,264; Sept. 18.
- Dalynip Poured Corp. (See Daly, J. J., and Alberdi, assignor.)
- Dalyze, Peter, Detroit, Mich. Mechanical chair. 1,984,397; Dec. 18.
- Dalzen, William F. (See Drader, J. C., and Dalzen.)
- Dalziel, Ross W. (See Samaras, S., and Ravizza, assignors.)
- Daman, Arthur C. (See Logue, L. H., and Daman.)
- Daman, Arthur C., Denver, Colo. Flotation machine. 1,942,803; Jan. 9.
- Daman, Arthur C., Denver, Colo. Classifier. 1,953,672; Apr. 3.
- Daman, Arthur C., Denver, Colo. Flotation apparatus. 1,985,153; Dec. 18.
- D'Amato, Vincent, San Francisco, Calif. Hanger. 1,975,254; Oct. 2.
- Dambacher, Fritz, Chemnitz-Sa., Germany, assignor to E. F. Houghton & Company, Philadelphia, Pa. Sulphonated higher alcohol esters of the higher fatty acids and making the same. 1,957,324; May 1.
- Dambrine, Maurice A., Montrouge, France. Electrically driven child's auto. 1,951,505; Mar. 20.
- Dame, Charles V., Lanark, Ill. Portable electrical apparatus. 1,984,398; Dec. 18.
- Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Machine for centering and marking crank shaft forgings. 1,954,920; Apr. 17.
- Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Stroke adjusting device for power hammers. 1,979,733; Nov. 6.
- Damianik, Joao, Rio de Janeiro, Brazil. Formation or production of blocks. 1,969,729; Aug. 14.
- Damm, Louis H., Great Bend, Kans. Puller device. 1,953,849; Apr. 3.
- Damm, Samuel F., and F. Bjarnov, Niagara Falls, N. Y. Vehicle signal. 1,970,494; Aug. 14.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,231; May 15.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,232; May 15.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,233; May 15.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,234; May 15.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,525; June 19.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,526; June 19.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,586; June 26.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,587; June 26.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,588; June 26.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms or the like. Des. 92,589; June 26.
- Dammé, Olga, Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Monogram alphabet. Des. 93,913; Nov. 27.
- Damon, Isaac F. (See Holland, F., and Damon.)
- Damon, John H., assignor to Plymouth Cordage Company, North Plymouth, Mass. Method of and apparatus for trimming projecting fibers. 1,966,423; July 10.
- Damsel, William B., New York, N. Y. Joint for concrete and plastic pipes. 1,967,467; July 24.
- Damsel, William B., assignor to James H. Hayes, New York, N. Y. Flexible pipe coupling. 1,967,466; July 24.
- Damstra, Cornelius P., Raton, N. Mex. Music holder. 1,951,966; Mar. 20.
- Dana, Alan S., New Haven, and R. B. Norton, assignors to The Kerite Insulated Wire & Cable Company, Incorporated, Seymour, Conn. Electrical conductor. 1,956,639; May 1.
- Dana, Charles A., et al., receivers. (See Maynard, Charles E., assignor.)
- Dana, David W., Cliffside, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method of and apparatus for detecting structural defects in materials. 1,984,465; Dec. 18.
- Dana, Leo I., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Apparatus for dispensing gas material. 1,943,059; Jan. 9.
- Dana, Leo I., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 1,950,353; Mar. 6.
- Dana, Leo I., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 1,953,467; Apr. 3.

- Dana, Leo I., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Container for liquefied gases. 1,979,221; Oct. 30.
- Dana, Leo I., and G. H. Zenner, Buffalo, N. Y., assignors to The Linde Air Products Company. Container for liquefied gases. 1,976,688; Oct. 9.
- Dana, Walter W., Evanston, Ill. Noiseless coin container. 1,950,974; Mar. 13.
- Dandini, Alessandro O., San Francisco, Calif. Making colored building blocks. 1,984,059; Dec. 11.
- Dandliker, Rudolph, Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey. Fence post extension arm. 1,980,852; Nov. 13.
- D'Andria, Renée C., New York, N. Y. Combination mirror and lip stick holder. Des. 92,235; May 15.
- Danel, Herman, Argenteuil, France. Turbine. 1,958,333; May 8.
- Dangelmajer, Charles. (See Carlisle, P. J., and Dangelmajer.)
- D'Angelo, Mauro, San Jose, Calif. Signaling device. 1,958,784; May 15.
- Daniel, Edward W., Cleveland, Ohio. Cable clamp. 1,953,290; Apr. 3.
- Daniel, Everett, Moultrie, Ga. Crossing gate. 1,948,512; Feb. 27.
- Daniel, John M., Tulia, Tex. Gas blow torch. 1,956,435; Apr. 24.
- Daniel, Lloyd C. (See Jaeger, A. O., and Daniels.)
- Daniel, Paul P., Los Angeles, Calif. Orifice meter plate housing. 1,965,826; July 10.
- Daniel, Thomas L., Los Angeles, Calif. Cap for paste tubes and the like. 1,944,968; Jan. 30.
- Daniel, William, assignor to Greenhill & Daniel, Inc., Brooklyn, N. Y. Bathing suit. 1,953,797; Apr. 3.
- Daniel, William, assignor to Greenhill & Daniel, Inc., Brooklyn, N. Y. Making tubular belts. 1,982,467; Nov. 27.
- Danielczuk, Anthony, Detroit, Mich. Weed resisting fish lure. 1,948,983; Feb. 27.
- Daniels, Claude H., Wellesley Hills, Mass. Shoe. Des. 91,513; Feb. 20.
- Daniels, Claude H., Wellesley Hills, Mass. Shoe and making same. 1,947,288; Feb. 13.
- Daniels, Eddie A., Kannapolis, N. C. Loom. 1,948,960; Feb. 27.
- Daniels, Edwin G., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Making spherical containers. 1,958,421; May 15.
- Daniels, Edwin G., and F. L. Wurst, assignors to Chicago Bridge & Iron Company, Chicago, Ill. Welding. 1,955,737; Apr. 24.
- Daniels, Ernest M., assignor to The United States Shoe Corporation, Cincinnati, Ohio. Shoe. Des. 93,460; Oct. 2.
- Daniels, Fred C. T., Pittsburgh, Pa. Locally hardened molybdenum steel article of manufacture. 1,963,403; June 19.
- Daniels, Fred H., assignor to Riley Stoker Corporation, Worcester, Mass. Furnace and method of operating. 1,942,687; Jan. 9.
- Daniels, Fred H., Worcester, Mass., assignor to La Mont Corporation, New York, N. Y. Liquid heater and vaporizer. 1,954,471; Apr. 10.
- Daniels, Fred H., and K. K. Nahigyan, assignors to Riley Stoker Corporation, Worcester, Mass. Gas scrubber. 1,974,768; Sept. 25.
- Daniels, Josef. (See Daniels, Wilhelm H. and J.)
- Daniels, Leon C., Pittsfield, Mass., assignor to General Electric Company. Tensioning device. 1,946,313; Feb. 6.
- Daniels, Leon C., Averill Park, N. Y. Gas igniter. 1,954,921; Apr. 17.
- Daniels, Lloyd C. (See Jaeger, A. O., and Daniels.)
- Daniels, Lloyd C., Craffton, and A. O. Jaeger, Mount Lebanon, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation. Salts of keto aromatic acids. 1,977,047; Oct. 16.
- Daniels, Rupert S. (See Schmidt, J. H., and Daniels.)
- Daniels, Wilhelm H., Dusseldorf-Heerdt, and J. Daniels, Essen-Ruhr, Germany, assignors, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Molding press. 1,957,421; May 1.
- Danielson, Charles, Minneapolis, Minn. Ironing table. 1,942,916; Jan. 9.
- Danielson, Daniel B., Milwaukee, Wis. Veneer and backing bond and anchor. 1,946,732; Feb. 13.
- Danielson, George W., Fall River, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Strand coating device. 1,972,824; Sept. 4.
- Danielson, Hans P., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case. 1,960,480; May 29.
- Danielson, Martin J., and F. Lindgren, Bridgeport, Conn. Tapping machine. 1,962,894; June 12.
- Danills, Joseph E., Grants Pass, Oreg. Gold pan. 1,972,645; Sept. 4.
- Danneker, George A. (See Weinhardt, C. J., and Danneker.)
- Danner, Edward, Newark, Ohio. Smoker's outfit. 1,968,191; July 31.
- Danner, John, St. Louis, Mo. Shipping package. 1,971,395; Aug. 28.
- Danner, Philip S., Point Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Non-detonating fuel. 1,954,865; Apr. 17.
- Dannheiser, Joseph M., assignor to Es-B-Es Co., San Francisco, Calif. Battery charging system. 1,962,484; June 12.
- Danninger, Felix. (See Hofer, A., and Danning.)
- Dansrean, Ely J., Flint, Mich. Carburetor. 1,944,547; Jan. 23.
- Dansrean, Ely J., Flint, Mich. Carburetor. 1,961,413; June 5.
- Dantscher, Josef, Berlin-Reinickendorf-Ost, Germany, assignor to General Electric Company. Electron discharge apparatus. 1,957,249; May 1.
- Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Detecting leaks in refrigerating systems. 1,967,871; July 24.
- Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Preventing corrosion and corrosion resisting joints. 1,979,961; Nov. 6.
- Dantz, Thomas M., assignor to The Barrett Company, New York, N. Y. Roof. 1,977,669; Oct. 23.
- "Danuvia" Ipari es Kereskedelmi R. T. Firm of Budapest. (See Gebauer, F., and Király, assignors.)
- Danver, Andrew C. and S. R. Pawtucket, R. I. Lubricating device. 1,956,640; May 1.
- Danver, Samuel R. (See Danver, Andrew C. and S. R.)
- Danzner, Catherine, et al., executors. (See Lederer, Anton.)
- Danziger, Harold I., Pittsfield, Mass., assignor, by mesne assignments, to Sprague Specialties Company, North Adams, Mass. Electrolytic condenser. Re19,370; Nov. 13.
- Danziger, Harold I., New York, N. Y., assignor to Condenser Corporation of America, Jersey City, N. J. Electrolytic condenser. 1,948,289; Feb. 20.
- Danziger, Harold I., New York, N. Y., assignor to Condenser Corporation of America, Jersey City, N. J. Electrolytic condenser. 1,959,780; May 22.
- D'Aoust, Ernest J., Windsor, Ontario, Canada, and H. L. Dickens, Detroit, Mich. Container and cooler. 1,950,714; Mar. 13.
- Daponte, Demetre, London, England, assignor to Cinecolor Company of America, Inc., New York, N. Y. Optical light dividing system. 1,945,029; Jan. 30.
- Da Pra, James, Chicago, Ill. Draft guard for doors. 1,974,151; Sept. 18.
- Dapron, Joseph M., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pedal locking device. 1,943,586; Jan. 16.
- Darby, George M., Westport, Conn., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Beet sugar making. 1,980,257; Nov. 13.
- Darbyshire, Leonard H., Detroit, Mich., assignor to Norge Corporation. Door handle for cabinets or the like. Des. 91,861; Apr. 3.
- Darco Corporation. (See Davis, Raymond G., assignor.)
- Darco Sales Corporation. (See Gill, Louis M., assignor.)
- Dardelet Threadlock Corporation. (See Hoke, William E., assignor.)
- Dardelet Threadlock Corporation. (See Stites, Joseph D., assignor.)
- Dardelet Threadlock Corporation. (See Thomson, Alfred M., assignor.)
- Dardelet Threadlock Corporation. (See Thomson, Robert, assignor.)
- Darden, Clarence M., Nashville, Tenn. Locomotive structure. 1,955,376; Apr. 17.
- Darden, Clarence M., Nashville, Tenn. Locomotive structure. 1,955,377; Apr. 17.
- Darden, Clive G., et al. (See Hall, Charles E., assignor.)
- Darden, William A., et al. (See Hall, Charles E., assignor.)
- D'Ardenne, Walter H., Jenkintown Manor, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Automobile door construction. 1,949,269; Feb. 27.
- Dargis, Marie. (See Deslattes, Clifton, assignor.)
- Dargue, William H., Newcastle-upon-Tyne, England. Miner's safety acetylene lamp. 1,943,952; Jan. 16.
- Darley, William S., Chicago, Ill. Ladder truck. 1,967,503; July 24.
- Darling & Company. (See Lowry, Thomas K., assignor.)
- Darling, Frank L., Baltimore, Md. Vessel and means for removing caps therefrom. 1,948,513; Feb. 27.
- Darling, Frank L., Baltimore, Md., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Conveyor for bottle washers. 1,977,670; Oct. 23.
- Darling, Frank L., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Vessel capping machine. 1,978,522; Oct. 30.
- Darling, Glen F., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Rubber ring cutting machine. 1,984,730; Dec. 18.
- Darling, Lewis A. (See Graham, H. J., and Darling.)
- Darling, Paul E., and F. T. Bromley, Lansing, Mich. Gear transmission. 1,949,294; Feb. 27.
- Darling, Philip G., Bridgeport, Conn., assignors to Consolidated Ashcroft Hancock Company, New York, N. Y. Power control valve. 1,965,307; July 3.
- Darling, Ray W., et al. (See Stevens, Wesley E., assignor.)
- Darling, Roy L., assignor to Bond Electric Corporation, Jersey City, N. J. Candle light. 1,980,040; Nov. 6.
- Darling, Samuel, Hartford, assignor of one-third to J. Prichard, Rockville, Conn. Oil burner. 1,962,553; June 12.
- Darling, William H., London, Ontario, Canada. Shower head. 1,981,948; Nov. 27.
- Darlington, Charles J. (See Bishop, O. M., and Darlington.)

- Darlington, Henry S., Media, assignor to A. H. Wirz, Inc., Chester, Pa. Device for opening containers. 1,945,885; Feb. 6.
- Darlington, Homer T., West Chester, Pa., assignor, by mesne assignments, to Oil Corporation of America. Desulphurizing, decolorizing, deodorizing, and degumming hydrocarbons, and of providing a protective buffer for apparatus. 1,944,170; Jan. 23.
- Darlington, Homer T., West Chester, Pa., assignor, by mesne assignments, to Oil Corporation of America. Refining hydrocarbon oil vapors. 1,944,877; Jan. 30.
- D'Armon, Hazel, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,063; Apr. 24.
- Darmstaetter, Armin A. (See Sawtelle, C. A., and Darmstaetter.)
- Darnell, Victor L., and M. Voegel, assignors to The Master Electric Company, Dayton, Ohio. Thermal overload release. 1,966,926; July 17.
- Daroux Emasculators Limited. (See Daroux, Louis, assignor.)
- Daroux, Louis, Manakau, Manawatu, assignor to Daroux Emasculators Limited, Wellington, New Zealand. Apparatus for castrating animals. 1,957,159; May 1.
- Darr, Milford L., Oakland, Calif. Helicopter. 1,946,614; Feb. 13.
- Darr, Walter, Philadelphia, Pa. Fruit peeling device. 1,982,193; Nov. 27.
- Darrach, Bradford, New York, assignor to Laminated Shim Co., Inc., Long Island City, N. Y. Shim. 1,949,114; Feb. 27.
- Darrab, Robert J., assignor to Koehring Company, Milwaukee, Wis. Swivel shock absorbing means for shovel booms. 1,954,119; Apr. 10.
- Darrab, William A., Chicago, Ill. Treating metal. 1,953,647; Apr. 3.
- Darrab, William A., Chicago, Ill. Cellulose board. 1,955,411; Apr. 17.
- Darrab, William A., Chicago, Ill. Electrical spraying device. 1,958,406; May 15.
- Darrin, Marc, Pittsburgh, Pa., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Composition of matter. 1,962,004; June 5.
- Darrin, Marc, Pittsburgh, Pa., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Composition of matter. 1,962,005; June 5.
- Daroch, Gourley, Dayton, Ohio. Toy airplane. 1,950,164; Mar. 6.
- Daroch, Gourley, et al., executors. (See Apple, Vincent G.)
- Daroch, Gourley, et al., executors. (See Cotterman, Fredrick W., assignor.)
- Darrow, Marius S., St. Louis, Mo., assignor to The Barber Asphalt Company, Philadelphia, Pa. Method and apparatus for producing roofing elements. 1,972,133; Sept. 4.
- Dart, Robert H., Sacramento, Calif. Igniting system for suds pots. 1,957,701; May 8.
- Dartmouth College, Trustees of. (See Ames, Adelbert, Jr., assignor.)
- Daru, Louis, Brooklyn, N. Y., assignor to M. A. Cumming & Co., Inc. Machine for forming cushion brims. 1,985,021; Dec. 18.
- D'Ascanio, Corradino, assignor to Pietro Trojani, Rome, Italy. Helicopter. 1,960,141; May 22.
- Dasey Boat Co. (See Dasey, Homer H., assignor.)
- Dasey, Homer H., assignor to Dasey Boat Co., Springfield, Ill. Toy diving submarine boat. Des. 91,421; Jan. 30.
- Dasse, Frank H., St. Joseph, assignor to Saranac Machine Company, Benton Harbor, Mich. Basket handle. 1,958,566; May 15.
- Dassonville, Léon J., Brussels, Belgium. Preparing colored photographic pictures. 1,945,772; Feb. 6.
- Date, Nellie B., Chicago, Ill. Electrical heater. 1,955,055; Apr. 17.
- Dath, Charles E., assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffing gear. 1,977,823; Oct. 23.
- Dath, Charles E., assignor to W. H. Miner, Inc., Chicago, Ill. Doorlatch. 1,979,456; Nov. 6.
- Daub, Guido, assignor to The Gugler Lithographic Company, Milwaukee, Wis. Producing press plates. 1,961,476; June 5.
- Daubenmeyer, Homer W., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Elastic mold and molding material. 1,983,692; Dec. 11.
- D'Aubigne, Emile M., Neuilly sur Seine, France, assignor to Continental-Diamond Fibre Company, Newark, Del. Composite gear and making the same. 1,981,782; Nov. 20.
- Daubmeyer, Dewey C., Detroit, Mich. Verifying machine. 1,954,522; Apr. 10.
- Daudt, Herbert W. (See Holt, L. C., and Daudt.)
- Daudt, Herbert W., assignor to Kinetic Chemicals Inc., Wilmington, Del. Purification of organic fluorine compounds. 1,946,195; Feb. 6.
- Daudt, Herbert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making benzoic acid from phthalic acid. 1,962,175; June 12.
- Daughaday, Frank P., Providence, R. I. Collar button and the like. 1,958,942; May 15.
- Daugherty, Arthur, Kincaid, Saskatchewan, Canada. Ratchet wrench. 1,944,171; Jan. 23.
- Daugherty, William F. (See Burgett, L. S., and Daugherty.)
- Daughters, Milo R., Portland, Oreg., assignor to Frosted Foods Company, Inc., Dover, Del. Improving sweet corn for preserving. 1,969,730; Aug. 14.
- Daukus, John F., Detroit, Mich. Cushion flywheel. 1,943,517; Jan. 16.
- Daum, Charles, New York, N. Y. Food slicer. 1,943,113; Jan. 9.
- Dauphin, André L., Paris, France. Controlling device for heat exchanging apparatus. 1,962,952; June 12.
- Dauphinee Mfg. Co. (See Lyell, John W., Jr., assignor.)
- Dauplaise, Noah L., Manchester, Conn., assignor, by mesne assignments, to Dauplaise Safety Equipment Corporation, Springfield, Mass. Picture projection machine. 1,943,299; Jan. 16.
- Dauplaise Safety Equipment Corporation. (See Dauplaise, Noah L., assignor.)
- Dauteuil, Edouard F., Saint-Denis, France. Machine for filling and corking bottles of any shape and dimension. 1,943,208; Jan. 9.
- Dautrick, Owen L., G. H. Hufferd, J. E. Casse, and C. U. Stephens, assignors to Crawford Door Company, Detroit, Mich. Door mounting. 1,946,673; Feb. 13.
- Daval Rubber Company. (See Little, Jesse, assignor.)
- Davenport, Arthur E., Maywood, Ill., assignor to Oil Products Appliance Co., Inc., New York, N. Y. Oil tank accessory. 1,951,303; Mar. 13.
- Davenport, Clarence A., Gladewater, Tex. Shoe for testing well casings. 1,955,113; Apr. 17.
- Davenport, Edward L., assignor to Johnson Bronze Company, New Castle, Pa. Method and apparatus for coating metal strip. 1,973,431; Sept. 11.
- Davenport, Frank A. (See Willshaw, H., Smith, and Davenport.)
- Davenport, John L. (See Pasternack, R., Mead, and Davenport.)
- Davenport, Joseph P., assignor to G. W. Yeoman, Detroit, Mich. Ear exercising device. 1,983,737; Dec. 11.
- Davenport, Talmon A. (See Eksergian, C. L., and Davenport.)
- Davenport, Talmon A. (See Gaenssle, P. W., and Davenport.)
- Davenport, William B., Stockton, Calif. Permanent form for concrete construction. 1,945,030; Jan. 30.
- Davey, George W., Mahwah, N. J. Furnace construction. 1,943,756; Jan. 16.
- Davey, John E., New York, assignor of one-half to Great Lakes Pressed Steel Corporation, Buffalo, N. Y., and one-half to Newton C. Failor, Upper Montclair, N. J. Drill stand. 1,965,032; July 3.
- Davey, Peter, Mount Vernon, N. Y. Grinding wheel spindle. 1,979,146; Oct. 30.
- Davey, Peter, Woodstock, assignor to Vibroscope, Inc., New York, N. Y. Instrument for studying vibrations and for other purposes. 1,949,603; Mar. 6.
- Davey, William J., Takoma Park, Md. Wall and ceiling structure and forming same. 1,960,372; May 29.
- David, David R., New York, N. Y. Hair-waving apparatus. 1,947,582; Feb. 20.
- David, Pierre B. F., Paris, France. Generating oscillations device. 1,966,616; July 17.
- David, Reese C., Pittsburgh, Pa. Game. 1,958,567; May 15.
- Davidson, Arthur C., Chicago, Ill. Spring friction device. 1,950,659; Mar. 13.
- Davidson, Bruce J., Brooklyn, assignor to National Biscuit Company, New York, N. Y. Convertible box cover and display stand. 1,965,794; July 10.
- Davidson, Edward M., New York, N. Y. Magnetic material and making the same. 1,962,733; June 12.
- Davidson, Elias B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing weather stripping. 1,958,181; May 8.
- Davidson, Ellsworth L., assignor to Mandell Manufacturing Co., Chicago, Ill. Display stand. 1,962,089; June 5.
- Davidson, Glenn, Bloomington, Ill. Production of tobacco articles. 1,963,076; June 19.
- Davidson, Glenn, C. N. Cone, I. F. Laucks, and H. P. Banks, assignors to I. F. Laucks, Inc., Seattle, Wash. Making an adhesive and the product thereof. 1,985,631; Dec. 25.
- Davidson, Hobart O., Meadville, assignor to The Viscose Company, Marcus Hook, Pa. Bunch building mechanism. 1,969,593; Aug. 7.
- Davidson, James, Elyria, Ohio. Welding-electrode holder. 1,971,133; Aug. 21.
- Davidson, James A., Memphis, Mo. Electric circuit closing attachment for shoe heels. 1,942,325; Jan. 2.
- Davidson, Jay B., Ames, Iowa. Device for controlling the relative speed of two traction members. 1,984,399; Dec. 18.
- Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Making alkyl benzenes. 1,953,702; Apr. 3.
- Davidson, Kenneth S. M., Newton Highlands, assignor to Crosby Steam Gage & Valve Co., Boston, Mass. Steam valve. 1,949,930; Mar. 6.
- Davidson, Kenneth S. M., Newton Highlands, assignor to Crosby Steam Gage & Valve Co., Boston, Mass. Relief valve. 1,951,926; Mar. 20.
- Davidson, Neil A., assignor of one-half to Bureau of Engraving Inc., Minneapolis, Minn. Display card. 1,953,673; Apr. 3.
- Davidson, Thomas M., Hatch End, England. Furnace grate. 1,947,831; Feb. 20.
- Davidson, Trevor, Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Brake. 1,954,801; Apr. 17.

- Davidson, Trevor, Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Power shovel. 1,961,199; June 5.
- Davidson, William D., assignor to Emeco Derrick & Equipment Company, Los Angeles, Calif. Draw works. 1,953,339; Apr. 3.
- Davidson, William H., assignor of one-half to F. W. Hudson, Toronto, Ontario, Canada. Alarm system for banks and the like. 1,946,781; Feb. 13.
- Davidson, William W., Evanston, Ill. Machine for separating and feeding blanks. 1,963,694; June 19.
- Davie, Preston. (See Cammen, Leon, assignor.)
- Davies, Alfred H., deceased, by Edith V. Davies, New York, N. Y., executrix. Composition of matter and process of treating molten metals. 1,945,260; Jan. 30.
- Davies, Alfred H., deceased, by Edith Vail Davies, executrix, New York, N. Y. Composition of matter and process of treating molten metals. 1,975,084; Oct. 2.
- Davies, Bob S., Horsell Rise, Woking, and B. Wrigley, St. Margarets, Kingsfold, Woking, assignors to Sorbo Limited, Woking, England. Construction of rubber and spring seats. 1,978,343; Oct. 23.
- Davies, Caleb, jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Gas purification. 1,942,050; Jan. 2.
- Davies, Claude M., Harlow, England. Sectional structure. 1,960,001; May 22.
- Davies, David B., Shelton, Wash. Apparatus for process of bleaching chemical wood pulp. 1,953,076; Apr. 3.
- Davies, David B., Shelton, Wash. Making cellulose pulp in sheet form and apparatus for carrying out the same. 1,954,284; Apr. 10.
- Davies, David B., Shelton, Wash. Bleaching wood pulps and an apparatus for carrying out said process. 1,968,994; Aug. 7.
- Davies, Drury N., London, England. Sheet of coated metal for earthed panels and other purposes. 1,962,584; June 12.
- Davies, Edith V., executrix. (See Davies, Alfred H.)
- Davies, George P., Stevenston, Scotland, assignor to Imperial Chemical Industries Limited. Purification of trinitrotoluene. 1,975,598; Oct. 2.
- Davies, John, Bootle, Liverpool, England. Production of pictures in colors. 1,963,695; June 19.
- Davies, John A., South Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Producing alcohols from olefines. 1,966,166; July 10.
- Davies, John S. H. (See Bunbury, H. M., Davies, Naunton, and Robinson.)
- Davies, Leonard J. (See Clinker, R. C., and Davies.)
- Davies, Leonard J., Rugby, England, assignor to General Electric Company. Electron emitting cathode. 1,955,537; Apr. 17.
- Davies, Lloyd L., J. V. Resek, and W. W. Carson, jr., assignors to The Fulton Syphon Company, Knoxville, Tenn. Fluid mixing device. 1,942,269; Jan. 2.
- Davies, Richard F., Northampton, assignor of one-half to W. E. Coyer, Springfield, Mass. Damper. 1,967,552; July 24.
- Davies, W. Sanders, trustees, et al. (See Durham, Hobart N., assignor.)
- Dayin, Thomas V., Marion, and M. Weber, assignors to La Plant-Chaote Manufacturing Co., Inc., Cedar Rapids, Iowa. Earth moving device. 1,956,007; Apr. 24.
- Davis, Adolf. (See Henderson, W. F., and Davis.)
- Davis, Albert G., Elizabeth, N. J., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Converting petroleum hydrocarbons. 1,947,001; Feb. 13.
- Davis, Albert L., Watertown, assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Mug. 1,959,857; May 22.
- Davis, Alex B., and J. F. Thompson, Cincinnati, Ohio, and A. T. Gardner, assignors to L. L. Alsted, Appleton, Wis. Recovery of pulp from printed paper. 1,975,771; Oct. 9.
- Davis, Alexander R., Charlotte, N. C. Lubricating means for spindles. 1,947,972; Feb. 20.
- Davis, Archibald H., Lincoln, Nebr. Combination universal corner, reverse, and division bar. 1,946,733; Feb. 13.
- Davis, Archibald H., jr., New Castle, and P. Winsborough, assignors to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Making radiators. 1,957,702; May 8.
- Davis, Archibald H., jr., New Castle, and P. Winsborough, assignors to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Radiator. 1,957,703; May 8.
- Davis, Arthur B., Springfield, Ohio. Mounting printing surfaces. 1,950,386; Nov. 13.
- Davis, Arthur P., New York, assignor to Arma Engineering Co., Inc., Brooklyn, N. Y. Position control system. 1,977,624; Oct. 23.
- Davis, Augustine, jr. (See Carroll, William M., assignor.)
- Davis, Augustine, jr. (See Haupt, Walter H., assignor.)
- Davis, Augustine, jr. (See Shield, Paul S., assignor.)
- Davis, Augustine, jr., Cincinnati, Ohio. Combined tank body and cab for tank trucks. Des. 92,646; July 3.
- Davis, Augustine, Jr., Cincinnati, Ohio. Combination tractor and semi-trailer tank. Des. 93,332; Sept. 18.
- Davis, Benjamin F., trustee. (See Davis, Donald C.)
- Davis, Bernard P., Brooklyn, N. Y. Windshield and window ventilator. 1,982,591; Nov. 27.
- Davis, C. O., administrator. (See Atkinson, Lewis M.)
- Davis, Charles A., Youngstown, Ohio. Method of and apparatus for rolling sheets. 1,983,018; Dec. 4.
- Davis, Charles H. (See Lueck, H. W., and Davis.)
- Davis, Charles H. (See Lueck, H. W., and C. H. and U. Davis.)
- Davis, Charles H., Manchester, Maine. Cake griddle. 1,957,133; May 1.
- Davis, Charles H., jr., deceased, by Delco-Remy Corporation, Anderson, Ind., assignee. Circuit breaker lever. Re19,083; Feb. 13.
- Davis, Charles H., jr., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition apparatus. 1,967,078; July 17.
- Davis, Charles H., jr., Anderson, Ind., assignor by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition apparatus. 1,967,079; July 17.
- Davis, Charles H., jr., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electrical apparatus for automotive vehicles. 1,978,523; Oct. 30.
- Davis, Charles H., jr., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 1,978,524; Oct. 30.
- Davis, Charles H., jr., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition apparatus. 1,973,696; Oct. 30.
- Davis, Charles H., jr., deceased, by J. T. Fitzsimmons, Anderson, Ind., administrator, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition apparatus. 1,983,072; Dec. 4.
- Davis, Charles S., Pittsburgh, Pa. Radiator flushing valve. 1,969,295; Aug. 7.
- Davis, Charles S., Pittsburgh, Pa. Reenforcing bar for concrete. 1,980,668; Nov. 13.
- Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Antenna compensator. 1,945,735; Feb. 6.
- Davis, Chester R., San Francisco, Calif. Automatic dough brake machine. 1,952,047; Mar. 27.
- Davis, Clara. (See Davis, Michael J., assignor.)
- Davis, Clarence R., assignor to Davis Tool & Engineering Company, Detroit, Mich. Automobile license plate holder. 1,943,060; Jan. 9.
- Davis, Clark W. (See Bond, G. R., jr., and Davis.)
- Davis, Clark W., Birmingham, Ala., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying crude aromatic nitrocompounds. 1,964,792; July 3.
- Davis, Cortland W. (See Engh, W. B., and Davis.)
- Davis, David E., Stratton, Colo. Windmill. 1,964,456; June 26.
- Davis, David I., El Paso, Tex. Skillet. 1,974,796; Sept. 25.
- Davis, David R., Los Angeles, Calif. Fluid foil. 1,942,683; Jan. 9.
- Davis, David R., Los Angeles, Calif. Emulsifier. 1,981,031; Nov. 20.
- Davis, Dean W., Pendleton, assignor of one-half to G. A. Schnull, Indianapolis, Ind. Alarm control. 1,950,022; Mar. 6.
- Davis, Donald C., Buffalo, assignor to The Gould Coupler Company, New York, N. Y. Cushioning mechanism. 1,951,086; Mar. 13.
- Davis, Donald C., deceased, Depew, L. Bradshaw, executrix, assignor to The Gould Coupler Co., New York, N. Y. Cushioning mechanism. 1,963,077; June 19.
- Davis, Donald C., deceased, by B. F. Davis, trustee, Buffalo, assignor to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,982,858; Dec. 4.
- Davis, Donald C., Depew, and L. M. Clark, Buffalo, assignors to The Gould Coupler Company, New York, N. Y. Cushioning mechanism. 1,982,575; Nov. 27.
- Davis, Durrell H., assignor to Highway Trailer Company, Edgerton, Wis. Fluid operated screw jack. 1,976,985; Oct. 16.
- Davis, Edgar C. (See Anderson, H. T., and Davis.)
- Davis, Edward D. (See Byrnes, E. P., and Davis.)
- Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Spring adjustment means. 1,971,134; Aug. 21.
- Davis, Edward R., Wilkes-Barre, Pa. Container for milk bottles. 1,971,707; Aug. 28.
- Davis, Elmer M., assignor to Swift and Company, Chicago, Ill. Butter packing. 1,943,587; Jan. 16.
- Davis Emergency Equipment Company. (See Burnham, William C., assignor.)
- Davis Emergency Equipment Company. (See Weiss, John M., assignor.)
- Davis, Emery E., St. Louis, Mo. Reamer. 1,941,790; Jan. 2.
- Davis, Emma, Lucile, Idaho. Washing machine. 1,982,499; Nov. 27.
- Davis, Enoch A., assignor to E. Riffe, Marietta Township, Whatcom County, Wash. Plow. 1,948,961; Feb. 27.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,949,115; Feb. 27.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,950,133; Mar. 6.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,950,136; Mar. 6.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,954,988; Apr. 17.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,957,250; May 1.

- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,958,533; May 15.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Air flow for garment or ironing presses. 1,964,037; June 26.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,967,023; July 17.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,971,253; Aug. 21.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,972,474; Sept. 4.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,973,467; Sept. 11.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,979,962; Nov. 6.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Garment or ironing press. 1,982,202; Nov. 27.
- Davis, Ernest, and L. C. Kienzle, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Power pressing machine. 1,947,191; Feb. 13.
- Davis, Ernest F., assignor to Warner Gear Company, Muncie, Ind. Treating gears and similar articles. 1,963,355; June 19.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Grease dispensing apparatus. 1,943,515; Jan. 16.
- Davis, Ernest W., Oak Park, Ill. assignor to Alemite Corporation. Lubricating apparatus. 1,955,412; Apr. 17.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Automatic control valve for fluid operated motors. 1,957,490; May 8.
- Davis, Ernest W., Oak Park, Ill. assignor to Alemite Corporation. Lubricator for pneumatic tools. 1,961,477; June 5.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricant measuring device. 1,967,707; July 24.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,968,017; July 31.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,974,449; Sept. 25.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,977,873; Oct. 23.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,979,370; Nov. 6.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,980,984; Nov. 20.
- Davis, Ernest W., Oak Park, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 1,981,905; Nov. 27.
- Davis, Eugene H. (See Walker, N., and Davis.)
- Davis, Francis W. (See Jessup, George W., assignor.)
- Davis, Francis W., Waltham, Mass. Multiple hydraulic system. 1,944,002; Jan. 16.
- Davis, Francis W., Waltham, Mass. Hydraulic steering mechanism with remote power unit. 1,947,973; Feb. 20.
- Davis, Frank. (See Spencer, H., and Davis.)
- Davis, Franklin K., assignor, by mesne assignments, to Ross Heater & Mfg. Co., Inc., Buffalo, N. Y. Recovering desirable constituents of gas or vapor mixture. 1,961,200; June 5.
- Davis, Frederick W., assignor to The Umbilikalp Company, Dayton, Ohio. Surgical clamp. 1,983,969; Dec. 11.
- Davis, Garland H. B. (See Russell, R. P., and Davis.)
- Davis, Garland H. B., Baton Rouge, La., assignor to Standard-I. G. Company. Hydrogenation of carbonaceous materials. 1,960,204; May 22.
- Davis, Garland H. B., and J. A. Franceway, Baton Rouge, La., assignors to Standard Oil Development Company. Catalytic process for producing gas rich in hydrogen. 1,948,338; Feb. 20.
- Davis & Geck, Inc. (See Hirsch, Benjamin F., assignor.)
- Davis, George W., Seattle, Wash. Pulp screen plate. 1,982,244; Nov. 27.
- Davis, Georgia M., Plant City, Fla. Cooking utensil. 1,963,294; June 19.
- Davis, Gervase P., Lake Placid, N. Y. Open fireplace grate. 1,943,209; Jan. 9.
- Davis, Harry, St. Albans, assignor to Irving Trust Company, temporary trustee, for R. Hoe & Co., Inc., New York, N. Y. Web or sheet cutting mechanism for printing machines. 1,975,350; Oct. 2.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Lay for bobbin changing looms. 1,941,931; Jan. 2.
- Davis, Harry I. (See Taylor, E. R., and Davis.)
- Davis, Henry, & Company Limited. (See Headworth, Augustus J., assignor.)
- Davis, Henry K. B., Greenwich, Conn., assignor to Mavis Machine Corporation, New York, N. Y. Head for golf clubs. 1,965,954; July 10.
- Davis, Henry W., Rock Springs, Wyo. Attaching means for conveyer pans. 1,960,411; May 29.
- Davis, Herbert, Ellwood City, Pa., assignor to National Tube Company. Work guide. 1,980,168; Nov. 13.
- Davis, Herbert L. (See Fowler, F. D., and Davis.)
- Davis, Herbert L., Walpole, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Cutting device. 1,958,132; May 8.
- Davis, Horace W., Binghamton, N. Y. Article of furniture. 1,942,856; Jan. 9.
- Davis, Howard C., Elizabeth, N. J. Pipe fitting. 1,977,175; Oct. 16.
- Davis, Howard C., Elizabeth, N. J. Boiler. 1,982,793; Dec. 4.
- Davis, Howard C., Lancaster, Ohio. Wheel chain. 1,985,444; Dec. 25.
- Davis, Isaac, New York, N. Y. Reclaiming silk. 1,965,455; July 3.
- Davis, James C. (See Cashion, Ody C., assignor.)
- Davis, James G., Buffalo, N. Y. Pedestal for a statuette or similar article. Des. 92,051; Apr. 17.
- Davis, Jesse H., Baltimore, Md. High frequency method of and apparatus for exterminating insect life in seed or grain or other materials. 1,972,050; Aug. 28.
- Davis, Jesse H., Baltimore, Md., assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning apparatus for passenger cars. 1,943,516; Jan. 16.
- Davis, John W., Prince George County, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Temperature control. 1,952,909; Mar. 27.
- Davis, Kenneth. (See Peale, R., and Davis.)
- Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Mechanism for separating intermixed divided materials. 1,959,125; May 15.
- Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Mechanism for separating intermixed divided materials. 1,971,678; Aug. 28.
- Davis, Latta O., Toledo, Ohio. Yieldable clutch plate. 1,975,772; Oct. 9.
- Davis, Lewis J., San Jose, Calif. Detachable traction rim for automobiles. 1,945,261; Jan. 30.
- Davis, Lewis K., Hampton, N. J. Impact device. 1,984,117; Dec. 11.
- Davis, Lincoln K., Campello, Mass. Electric lighter for cigars, cigarettes, etc. 1,959,093; May 15.
- Davis, Lincoln K., Brockton, Mass. Cigarette lighter. 1,983,738; Dec. 11.
- Davis, Mason B., Kendrick, Fla. Crushing mill. 1,944,928; Jan. 30.
- Davis, Maurice E., Grand Rapids, Mich., assignor to H. E. Moses, New York, N. Y. Stamping and like press. 1,965,071; July 3.
- Davis, Maurice E., Grand Rapids, Mich., assignor to H. E. Moses, New York, N. Y. Method and apparatus for making skived or bevel-edged articles from flexible material. 1,984,919; Dec. 18.
- Davis, Michael J., assignor to C. Davis, Brooklyn, N. Y. Stabilizer for motor vehicles. 1,967,997; July 24.
- Davis, Myrl N., Appleton, assignor to Paper Patents Company, Neenah, Wis. Opacimeter and measuring capacity. 1,950,975; Mar. 13.
- Davis, Nathan H., Philadelphia, Pa. Brake beam and making the same. 1,983,122; Dec. 4.
- Davis, Newton E., Columbus, Ohio. Motor vehicle wheel tool. 1,975,773; Oct. 9.
- Davis, Norris K., Reno, Nev., and A. E. Mason, San Francisco, Calif.; said Mason assignor to said Davis. Portable agitator. 1,942,277; Jan. 2.
- Davis, Oliver M., Rome, assignor to General Cable Corporation, New York, N. Y. Reel clamp. 1,946,455; Feb. 6.
- Davis, Oscar M., Houston, Tex. Packer for wells. 1,975,390; Oct. 2.
- Davis, Oscar N., Liberal, Kans. Rotary engine. 1,952,197; Mar. 27.
- Davis, Raymond G., assignor to Darco Corporation, Wilmington, Del. Revivifying spent activated carbon. 1,945,479; Jan. 30.
- Davis, Rex E., Anoka, assignor to The Charles Arnao Co., Inc., Minneapolis, Minn. Scalp steamer. 1,982,905; Dec. 4.
- Davis, Rex E., and A. H. Nielsen, assignors to Charles Arnao Company, Minneapolis, Minn. Steaming apparatus. 1,982,904; Dec. 4.
- Davis, Richard F., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,946,131; Feb. 6.
- Davis, Richard F., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,980,189; Nov. 13.
- Davis, Richard O. (See Swain, R. K., and Davis.)
- Davis, Robt. B. (See Dugan, Thomas, assignor.)
- Davis, Robert H., London, England. Breathing appliance. 1,984,118; Dec. 11.
- Davis, Robert H., London, England. Breathing appliance. 1,984,119; Dec. 11.
- Davis, Robert J. (See Haberle, S. D., and Davis.)
- Davis, Roy W. (See Hampton, L. N., Davis, and Richard.)
- Davis, Ruth H., Chicago, Ill. Combination garment. 1,946,782; Feb. 13.
- Davis, Stanley, Bayport, N. Y. Soldering iron. 1,957,325; May 1.
- Davis, Theodore H. (See Morman, C. L., and Davis.)
- Davis Tool & Engineering Company. (See Davis, Clarence R., assignor.)

- Davis, Uriah. (See Lueck, H. W., and C. H. and U. Davis.)
- Davis, Vernon L., Blue Point, N. Y. Power transmission device. 1,950,598; Mar. 13.
- Davis, Walter K., Farmingdale, N. Y. Engine oiling system. 1,941,974; Jan. 2.
- Davis, Walter F., and C. E. Norelius, assignors to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator door covering attachment. 1,942,509; Jan. 9.
- Davis, Walwin L. (See Beidler, E. W., and Davis.)
- Davis, Warren, F. Cornet, and R. Coe, Mount Vernon, Ohio; said Cornet assignor to said Davis and said Coe. Cleaning appliance. 1,966,582; July 17.
- Davis, Will J., Santa Monica, Calif. Air controlled brake. 1,972,330; Sept. 4.
- Davis, William H. H., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 1,972,186; Sept. 4.
- Davis, William H. H., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 1,980,475; Nov. 13.
- Davis, William L., Springfield, Mo. Individual mausoleum. 1,962,006; June 5.
- Davis, William L., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Car. 1,963,356; June 19.
- Davis, William L., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Tipple. 1,973,163; Sept. 11.
- Davis, William N., and J. T. Rutherford, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Denatured alcohol and ester. 1,949,244; Feb. 27.
- Davis, William N., Oakland, and W. H. Hampton, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Treating petroleum oils. 1,977,717; Oct. 23.
- Davis, William R., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,955,325; Apr. 17.
- Davis, William R., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Express car operation. 1,971,095; Aug. 21.
- Davis, William R., Aldwyck, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse transmitter. 1,980,190; Nov. 13.
- Davis, William S., jr. (See Becker, A. E., and Davis.)
- Davison, Gordon W., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,975,134; Oct. 2.
- Davison, Harry H., and J. F. Pagendarm, assignors to Davison-Woods Manufacturing Co., Ltd., San Francisco, Calif. Peach pitter. 1,984,361; Dec. 18.
- Davison, Reuben B. (See Grant, J. E., and Davison.)
- Davison, Robert I., assignor to John B. Pierce Foundation, New York, N. Y. Factory fabricated partition and ceiling construction. 1,960,575; May 29.
- Davison, Robert L., assignor to John B. Pierce Foundation, New York, N. Y. Partition connector. 1,972,475; Sept. 4.
- Davison, Samuel W., and M. J. Thompson, Milwaukee, Wis. Plumbing fixture. 1,947,250; Feb. 13.
- Davison-Woods Manufacturing Co., Ltd. (See Davison, H. H., and Pagendarm, assignors.)
- Davisson, Delos W., and F. G. Welke, assignors to Shell Development Company, San Francisco, Calif. Tank safety device. 1,951,009; Mar. 13.
- Davisson, John W., et al. (See Finch, Galen B., assignor.)
- Davol Rubber Co. (See Clemens, John A., assignor.)
- Davy, Lynden N., Butte, Mont. Electric fan. 1,980,614; Nov. 13.
- Davy, William J., East Croydon, England. Soundproof ceiling, wall, partition, and the like. 1,952,975; Mar. 27.
- Dawe, Albert J. (See Wilms, G. O., and Dawe.)
- Dawe, Albert J., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Electric switch. 1,946,132; Feb. 6.
- Dawes, Charles L. (See Ovington, Edward J., assignor.)
- Dawes, Robert T., Hudson, Mass. Elastic braid. 1,948,844; Feb. 27.
- Dawes, Robert T., Hudson, Mass. Fastener. 1,982,906; Dec. 4.
- Dawson, Axel G., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Partition. 1,949,531; Mar. 6.
- Dawson, Elma N. (See Dawson, James C., assignor.)
- Dawson, George H., assignor to Wilson-Jones Company, Chicago, Ill. Sheet retaining device. 1,985,364; Dec. 25.
- Dawson, George H., Chicago, and P. O. Unger, Glen Ellyn, assignors to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,958,568; May 15.
- Dawson, Ivan R. (See Kempf, L. W., and Dawson.)
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf binder. 1,959,858; May 22.
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf binder. 1,964,252; June 26.
- Dawson, John W., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,966,235; July 10.
- Dawson, Joseph C., London, England, assignor, by mesne assignments, to The Cleveland Folding Machine Company, Mentor Township, Ohio. Sheet feeding apparatus. 1,973,749; Sept. 18.
- Dawson, Joseph W. (See Herold, J. L., and Dawson.)
- Dawson, Leo H., Washington, D. C. Removing gaseous impurities from electric discharge tubes. 1,962,138; June 12.
- Dawson, Wilfred, Golders Green, London, England. Multiple filament electric lamp. 1,946,393; Feb. 6.
- Dawson, Wilfrid L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Incandescent lamp system. 1,956,550; May 1.
- Dawson, Wilfrid L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photographic process. 1,958,612; May 15.
- Day, Charles M. (See Trainer, J. E., and Day.)
- Day, Charles M., assignor of one-eighth to H. S. Browne, one-eighth to S. H. Ladensohn, one-eighth to W. R. Johnson, and one-eighth to J. F. Drake, Ponca City, Okla. Dispensing device. 1,957,326; May 1.
- Day Company, The. (See Osgood, Arthur B., assignor.)
- Day, David E., Los Angeles, and G. L. Holzapfel, Palos Verdes Estates; said Holzapfel assignor to W. C. McDuffie, receiver for Richfield Oil Company of California, Los Angeles, Calif. Method of and system for supplying fuel to an internal combustion motor. 1,973,142; Sept. 11.
- Day, Edwin C., Hamilton, Ontario, Canada, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 92,391; June 5.
- Day, Fred J., Los Angeles, Calif. Car refrigeration means. 1,975,351; Oct. 2.
- Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)
- Day, J. H. Company, The. (See Mason, Erwin S., assignor.)
- Day, Leonard, New York, N. Y. Building construction material. 1,954,378; Apr. 10.
- Day & Night Water Heater Co. (See Cartter, William G., assignor.)
- Day, Ralph B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Sealing ring and building same. 1,952,424; Mar. 27.
- Day, Ray E., Detroit, Mich. Piston. 1,944,223; Jan. 23.
- Day, Richard L., Houston, assignor of three-fourths to E. C. Northern, Galveston, Tex. Rotary swivel. 1,946,456; Feb. 6.
- Day, Roland B., Palos Verdes Estates, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Sweetening gasoline. 1,948,565; Feb. 27.
- Day, Roland B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,970,281; Aug. 14.
- Day, Roland B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,970,282; Aug. 14.
- Day, Roland B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,970,283; Aug. 14.
- Day, Roland B., assignor to Universal Oil Products Company, Chicago, Ill. Refining hydrocarbon oils. 1,970,284; Aug. 14.
- Day, Vincent S. (See Ashley, C. M., and Day.)
- Day, Vincent S., Summit, assignor, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Air humidification apparatus. 1,984,866; Dec. 18.
- Day, William H., et al. (See Baker, L. J., Laman, and Baker, assignors.)
- Day, William P., assignor to International Vibrator Company, Cleveland, Ohio. Emplacing concrete in building construction. 1,970,740; Aug. 21.
- Daya, Werner, Berlin-Halensee, Germany. Device for removing disturbances in wireless transmission. 1,985,241; Dec. 25.
- Dayes, Fred E., and J. F. Chapman, Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Vacuum regulating device. 1,977,116; Oct. 16.
- Dayes, Frederick E., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Spare wheel carrier for tractors. 1,965,735; July 10.
- Dayes, Frederick E., Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Vehicle structure. 1,980,787; Nov. 13.
- Dayger, Jonas E. (See Daly, G. F., and Dayger.)
- Daylight Picture Screen Corporation. (See Norman, D. F., and Hantzsch, assignors.)
- Dayson, Sylvester, El Dorado, Ark. Oil still tube. 1,972,040; Aug. 28.
- Dayton Accessories Manufacturing Company, The. (See Smelker, Le Roy, assignor.)
- Dayton Air Compressor Company, The. (See Black, Otto E., assignor.)
- Dayton, Alton A., Alameda, Calif., assignor to Oxford Filing Supply Co., Brooklyn, N. Y. Paper fastener. 1,978,569; Oct. 30.
- Dayton, James M., Torrington, Conn. Meter calibrating device. 1,943,164; Jan. 9.
- Dayton, James M., Torrington, Conn. Automatic resetting apparatus for dispensing indicators. 1,947,383; Feb. 13.
- Dayton, James M., Torrington, Conn. Flow meter for liquids. 1,961,414; June 5.
- Dayton, Perry A., Wilkensburg, Pa. Gas burner. 1,955,622; Apr. 17.
- Dayton Punch & Die Company, The. (See Oweiger, L., and Siple, assignors.)
- Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
- Dayton Steel Foundry Company, The. (See Walther, G., Baker, Guy A. and H., assignors.)
- Dayton Synthetic Chemicals, Incorporated. (See Thomas, Charles A., assignor.)

- Dayton Synthetic Chemicals, Inc. (See Thomas, C. A., and Carmody, assignors.)
- Dayton Veneer & Lumber Mills. (See Morgan, Walter E., assignor.)
- Dazey Churn & Mfg. Co. (See Killman, Thomas A., assignor.)
- Dazey Churn & Manufacturing Company. (See Von Wolforsdorf, Hans, assignor.)
- Dazey, Harry L., Clayton, Mo. Razor stropper. 1,983,739; Dec. 11.
- Dazey Manufacturing Company. (See Spencer, Roy E., assignor.)
- Deacon, Benjamin H., Philadelphia, Pa. Adjustable chair carrier. 1,961,818; June 5.
- Deagan, Ella. (See Little, Frederick B., assignor.)
- Deakin, Gerald, L. J. J. Schreiber, S. Van Mierlo, F. de Fremery, C. A. J. Puiles, and C. A. Willems, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Program distributing system. 1,981,689; Nov. 20.
- Deakin, Gerald, New York, N. Y., and W. Hatton, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,984,060; Dec. 11.
- Deakye, Elwood S. (See Bald, W. L., and Deakye.)
- De Amicis, Domenic S., Jersey City, N. J. Television system and apparatus. 1,945,968; Feb. 6.
- Dean, Alvin F., New Orleans, La. Traffic signal. 1,949,295; Feb. 27.
- Dean, Charles A., Bakersfield, Calif. Core drill. 1,984,867; Dec. 18.
- Dean, Dion K., Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Gas purification and the like. 1,957,251; May 1.
- Dean, Edmund W., assignor to Duplex Printing Press Company, Battle Creek, Mich. Flat bed traveling cylinder web printing press. 1,974,601; Sept. 25.
- Dean, Francis W., Lexington, Mass. Unireturn flow steam cylinder. 1,953,674; Apr. 8.
- Dean, Frank E. (See Herring, G. E., and Dean.)
- Dean, George, Hall Green, England. Pressure device for delivering liquids. 1,952,790; Mar. 27.
- Dean, Harry P. (See Tate, W. R., Stephenson, and Dean.)
- Dean, Harry P., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Lids for pressure resisting vessels. 1,966,851; July 17.
- Dean, Herbert. (See Christman, W. T., and Dean.)
- Dean, James O. (See Rambush, N. E., and Dean.)
- Dean, John, San Francisco, Calif. Machine and method for producing wall board. 1,945,306; Jan. 30.
- Dean, John, San Francisco, Calif. Wall board. 1,978,625; Oct. 30.
- Dean, John N. (See Smith, W. S., Garnett, and Dean.)
- Dean, John N. (See Smith, W. S., Garnett, Dean, Channon, Gardner, and Wilson.)
- Dean, John N. (See Smith, W. S., Garnett, Dean, Habgood, and Channon.)
- Dean, Joseph M., Pottersville, Mass. Regulating means for the water level of flush boxes. 1,972,331; Sept. 4.
- Dean, Reginald S., et al. (See Maier, Charles G., assignor.)
- Dean, Walter A. (See Kempf, L. W., and Dean.)
- Dean, William A. (See Hendriks, H., Dean, and Campbell.)
- Deane, Ernest E., and A. Bowers, Bridgewater, Mass. Device for thickening the edge of shoe soles. 1,945,262; Jan. 30.
- Deane, Herbert H. B., Rugby, England. Spring arrangement for resilient wheels. 1,984,255; Dec. 11.
- Deanesly, Richard M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Inhibition of halogen substitution reactions. 1,952,122; Mar. 27.
- Deanesly, Richard M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Producing sulphuric esters. 1,935,873; Apr. 24.
- De Angelis, Raffaele, Providence, R. I. Granulating machine. 1,941,827; Jan. 2.
- De Angelo, Bettina, et al. (See Viruette, Joseph D., assignor.)
- Deans, Robert S., Swissvale, Pa., assignor to The Koppers Company of Delaware. Gas holder valve. 1,944,969; Jan. 30.
- Deans, William, Ridgewood, N. J., assignor, by mesne assignments, to The Clark Controller Company, Cleveland, Ohio. Electric switch. 1,960,772; May 29.
- Deans, William, Ridgewood, N. J., assignor, by mesne assignments, to The Clark Controller Company, Cleveland, Ohio. Electric switch and special application thereof. 1,966,285; July 10.
- Dearborn, Charles A., assignor to American Blind Stitch Machine Company, New York, N. Y. Work supporting means for sewing machines. 1,964,381; June 26.
- Dearborn, Ernest R. (See Angier, E. H., and Dearborn.)
- Dearborn, Frank W., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Electric heater. 1,951,598; Mar. 20.
- Dearborn, Frank W., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Steam pressure regulating means. 1,960,937; May 29.
- Dearborn, Frank W., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Train pipe coupler. 1,982,643; Dec. 4.
- Dearborn Glass Company. (See Paulick, Herman R., assignor.)
- Dearing, Edward C., Baltimore, Md. Ventilating cowl. 1,955,176; Apr. 17.
- Dearing, Melville C., Palatine, assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Urea-formaldehyde reaction product and preparing same. 1,982,794; Dec. 4.
- Dearing, Melville C., Palatine, assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Urea-formaldehyde reaction product and making same. 1,982,795; Dec. 4.
- Dearing, Melville C., Palatine, assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Urea-formaldehyde reaction product and making same. 1,982,796; Dec. 4.
- Dearsley, Irwin E. (See Mizer, J. J., and Dearsley.)
- Dearsley, Irwin E., assignor to Walker Manufacturing Company, Racine, Wis. Hydraulic jack. 1,951,398; Mar. 20.
- Deary, Edward J., Brooklyn, assignor to Automatic Fire Alarm Company, New York, N. Y. Electric gong. 1,962,926; June 12.
- Deary, Edward J., Brooklyn, assignor to Automatic Fire Alarm Company, New York, N. Y. Thermostat. 1,983,740; Dec. 11.
- Deasy, Patrick, Chicago, Ill. Windproof plumb bob. 1,952,745; Mar. 27.
- Dents, William, assignor to Art Metal Works, Inc., Newark, N. J. Cigarette dispensing and lighting mechanism. 1,982,046; Nov. 27.
- De Back, William, assignor to Food Machinery Corporation, San Jose, Calif. Sizing apparatus. 1,961,478; June 5.
- De Back, William, assignor to Food Machinery Corporation, San Jose, Calif. Rotary bin. 1,961,479; June 5.
- De Back, William, assignor to Food Machinery Corporation, San Jose, Calif. Fruit sizer. 1,984,672; Dec. 18.
- De Back, William, assignor to Food Machinery Corporation, San Jose, Calif. Self-opening clutch. 1,985,242; Dec. 25.
- De Backer, Victor. (See Morris, H. G., and Allen, assignors.)
- De Bats, Etienne A., Millburn, N. J. Casting refractory metals. 1,976,009; Oct. 9.
- De Bats, Jean H. L., East Orange, N. J. Pressure molding method. 1,950,354; Mar. 6.
- De Bats, Jean H. L., East Orange, N. J. Cutting and forming tool and wearing surface. 1,950,355; Mar. 6.
- De Bats, Jean H. L., East Orange, N. J. Making improved cutting and forming tools and wear-resisting surfaces. 1,950,356; Mar. 6.
- De Bats, Jean H. L., East Orange, N. J. Compositions of matter and preparing same. 1,951,133; Mar. 13.
- De Bats, Jean H. L., Newark, N. J. Toy. 1,962,927; June 12.
- De Baufre, William L., Orange, N. J. Separating mixed gases. 1,951,183 Mar. 13.
- De Baufre, William L., Orange, N. J. Separating mixed gases. 1,951,184; Mar. 13.
- De Baufre, William L., Orange, N. J. Separating mixed gases. 1,951,185; Mar. 13.
- De Baufre, William L., Lincoln, Nebr. Rectifier construction for separating mixed fluids. 1,956,495; Apr. 24.
- De Baufre, William L., Lincoln, Nebr. Separating mixed gases by liquefaction. 1,961,201; June 5.
- De Baufre, William L., Lincoln, Nebr. Apparatus for separating mixed gases by liquefaction. 1,961,202; June 5.
- De Baufre, William L., Lincoln, Nebr. Apparatus for separating mixed gases by selective liquefaction. 1,961,203; June 5.
- De Baufre, William L., Lincoln, Nebr. Apparatus for separating mixed gases by selective liquefaction. 1,962,176; June 12.
- De Bellescize, Henri J. J. M. D., Paris, France, assignor to Radio Corporation of America, New York, N. Y. Sensitivity control for radio receiving systems. 1,984,400; Dec. 18.
- De Bellis, Domenico F., New York, N. Y. Scalp protector. 1,960,990; May 29.
- De Berri, Edmond M., New York, N. Y. Colonic irrigation apparatus. 1,954,120; Apr. 10.
- De Beukelaer, Frank L. (See Christopher, E. F., and De Beukelaer.)
- De Blieux, Earl V. (See Bayajian, A., and De Blieux.)
- De Boer, Jan H. (See Alink, R. J. H., and de Boer.)
- De Boer, Jan H. (See van Geel, W. C., de Boer, and Emmens.)
- De Boer, Jan H. (See van Gessel, K. M., and de Boer.)
- De Boer, Jan H. (See Holst, G., Druyvesteyn, de Boer, and Teves.)
- De Boer, Jan H., and C. J. Dippel, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Making a layer containing a fluorescent material. 1,954,691; Apr. 10.
- De Boer, Jan H., and M. C. Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photoelectric tube. 1,962,895; June 12.
- De Boer, Jan H., J. L. H. Jonker, and K. M. Van Gessel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Introducing active metal into electric discharge devices. 1,964,506; June 26.
- De Boer, Jan H., and M. C. Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photoelectric tube. 1,966,236; July 10.
- De Boer, Jan H., and C. J. Dippel, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Carrier provided with a light-sensitive substance and manufacturing the same. 1,970,496; Aug. 14.
- De Boer, Rudolph F., Grand Rapids, Mich. Removable ash receiver. 1,960,868; May 29.
- De Borosini, August, Munich, Germany. Apparatus for medical purposes. 1,958,100; May 8.

- De Botelho, Martin, New York, N. Y. Perfume bottle and base ensemble. Des. 91,609; Feb. 27.
- De Bothezat, George, assignor to American Machine and Metals, Inc., New York, N. Y. Drive for fans and the like. 1,985,022; Dec. 18.
- De Bow, Richard B. A., Bradley Beach, assignor to Asqua-Pruf, Inc., Newark, N. J. Hardening and waterproofing compound for cement and concrete mixtures. 1,951,186; Mar. 13.
- Debrie, André L. V. C., Paris, France. Cinematographic printing machine. 1,948,066; Feb. 20.
- Debski, Frank, Brooklyn, N. Y. Chaise longue. Des. 93,004; Aug. 14.
- Debuch, Carl P., Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Rotary tube furnace. 1,976,162; Oct. 9.
- Debuch, Carl P., Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Separate recovery of volatile metals, nonmetals or volatile or gaseous metallic or nonmetallic compounds. 1,977,117; Oct. 16.
- De Bussey, Richard R., Parkersburg, W. Va. Dispensing and distributing apparatus for packaged and the like goods. 1,981,783; Nov. 20.
- Decal Products Company, The. (See Kane, Bernard N., assignor.)
- Decalite Company, The. (See Stockton, McKinley, assignor.)
- De Camp, Ray E., Glendale, assignor to Consolidated Steel Corporation, Los Angeles, Calif. Elevator control system. 1,962,389; June 12.
- De Camp, Renan. (See Levy, C. C., and De Camp.)
- De Camp, William H., Van Wert, Ohio. Antiscorch appliance for cooking utensils. 1,949,561; Mar. 6.
- Décarie, Gabriel N., Montreal, Quebec, Canada. Buffer. 1,973,249; Oct. 23.
- De Carreño, Celina, and F. Archila, New York, N. Y. Electrical massaging device. 1,948,067; Feb. 20.
- De Castro-Barberena, Perlita, New York, N. Y. Spool box. 1,946,276; Feb. 6.
- De Castro-Barberena, Perlita J., New York, N. Y. Work-box. 1,952,537; Mar. 27.
- De Cew, Judson A., Mount Vernon, N. Y. Apparatus for refining paper stock. 1,947,900; Feb. 20.
- De Cew, Judson A., Mount Vernon, N. Y. Making free resin emulsions. 1,958,470; May 15.
- De Cew, Judson A., Mount Vernon, N. Y. Waterproofing fibrous and other material. 1,965,630; July 10.
- Dechant, Frederick H., Reading, Pa., assignor to Industries of America, Inc. Water gas process. 1,966,886; July 17.
- Deck, Howard S., and P. V. Di Cosmo, Dover, N. J. Method of and apparatus for liquefying and recovering explosives from a container. 1,958,420; May 15.
- Deck, Otto F., Brooklyn, assignor to A. Wittnauer Co., Inc., New York, N. Y. Airplane clock setting mechanism. 1,951,010; Mar. 13.
- Deckel, Friedrich, Präzisionsmechanik und Maschinenbau. (See Deckel, H., and Burger, assignors.)
- Deckel, Hans, Sölln, near Munich, and M. Burger, assignors to the firm Friedrich Deckel Präzisionsmechanik und Maschinenbau, Munich, Germany. Camera shutter. 1,963,324; June 19.
- Decker, Alonzo G., assignor to The Black & Decker Manufacturing Company, Towson, Md. Casing for a portable electric drill. Des. 91,454; Feb. 6.
- Decker, Alonzo G., assignor to The Black & Decker Manufacturing Company, Towson, Md. Portable electric drill. Des. 92,590; June 26.
- Decker, Alonzo G., Towson Heights, Md., assignor to The Black & Decker Manufacturing Company. Portable sander dust hood. 1,945,031; Jan. 30.
- Decker, Alonzo G., Baltimore, assignor to The Black & Decker Manufacturing Company, Towson, Md. Polisher with reservoir. 1,952,910; Mar. 27.
- Decker, Ammiel F., Pelham, N. Y. Picture puzzle. 1,948,962; Feb. 27.
- Decker, Arnold J., assignor to All Metal Products Company, Wyandotte, Mich. Toy truck. 1,972,376; Sept. 4.
- Decker, Arnold J., and J. Gora, assignors to All Metal Products Company, Wyandotte, Mich. Popgun barrel. 1,979,963; Nov. 6.
- Decker, Asbury C., Birmingham, Ala. Portable building construction. 1,971,708; Aug. 28.
- Decker, Charles R. (See Nemours, A. V., and Decker.)
- Decker, Daniel W., Milroy, Pa. Side shift for tractor plows. 1,964,976; July 3.
- Decker, Ellen W., South Orange, and L. Levine, Jersey City, N. J., assignors to Julius Kayser & Co., New York, N. Y. Stocking and making same. 1,968,995; Aug. 7.
- Decker, George, assignor to The Realistic Permanent Waving Machine Company, Cleveland, Ohio. Housing for a permanent waving machine head or similar article. Des. 92,884; July 31.
- Decker, George, assignor to The Philad Company, Cleveland, Ohio. Hair waving apparatus. 1,948,467; Feb. 20.
- Decker, George, assignor to The Philad Company, Cleveland, Ohio. Apparatus for hair waving. 1,949,370; Feb. 27.
- Decker, George, assignor to The Philad Company, Cleveland, Ohio. Apparatus for hair waving. 1,958,185; May 8.
- Decker, George, assignor to The Philad Company, Cleveland, Ohio. Apparatus for hair waving. 1,972,621; Sept. 4.
- Decker, George, assignor to The Philad Company, Cleveland, Ohio. Hair waving apparatus. 1,973,336; Sept. 11.
- Decker, George, assignor to The Philad Company, Cleveland, Ohio. Apparatus for hair waving. 1,983,970; Dec. 11.
- Decker, Gertrude M. (See Decker, Joseph B., assignor.)
- Decker, Harry R., Houston, Tex. Street construction. 1,980,041; Nov. 6.
- Decker, Hugh L., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Fluid operated switch. 1,958,297; May 8.
- Decker, Hugh L., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Ornamentation. 1,963,834; June 19.
- Decker, James W., New York, N. Y. Tape controlling mechanism. 1,959,848; May 22.
- Decker, Joseph B., assignor to G. M. Decker, Elkton, Md. Toy torpedo or impact salute. 1,945,217; Jan. 30.
- Decker, Joseph B., and H. C. Clauser, Elkton, Md. Pyrotechnic device. 1,974,015; Sept. 18.
- Decker, Lemuel B., Kenogami, Quebec, Canada. Treating wood. 1,975,255; Oct. 2.
- Decker, Ralph. (See Mowrey, Lester D., assignor.)
- Decker, W. Phillips. (See Gary, Jacques L., assignor.)
- De Coppet & Doremus. (See Stevens, Roswell C., assignor.)
- Decorative Development, Inc. (See Poschel, Alfred B., assignor.)
- De Coriolis, Ernest G. (See Moser, J. R., and De Coriolis.)
- De Coriolis, Ernest G., and H. B. Barber, assignors to Surface Combustion Corporation, Toledo, Ohio. Method of and apparatus for forming hot gases. 1,958,913; May 15.
- De Costa, John B., Kansas City, Mo. Renewable rotary bit. 1,961,819; June 5.
- De Coursey, William, St. Louis, Mo. Method and apparatus for treating materials. 1,958,035; May 8.
- Decour, Robert, Ciney, Belgium. Transformable carriage body. 1,966,540; July 17.
- Dederer, Richard, Stuttgart, Germany, assignor to Kapital und Industriewerte A. G., Basel, Switzerland. Electrically driven striking tool. 1,984,256; Dec. 11.
- Dederick, Clinton H., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Multispeed split phase motor. 1,983,741; Dec. 11.
- Dedieu, Jean, His Par Castagnede, France. Rotary internal combustion engine. 1,950,228; Mar. 6.
- De Dios, Honorato, et al. (See Acasio, Leopoldo, assignor.)
- De Donato, Carmine. (See Acosso, J., and De Donato.)
- Dee, Julie E., Oakland, Calif. Double boiler. 1,985,486; Dec. 25.
- Dee, Thomas J., & Co. (See Slatis, Abraham, assignor.)
- Deeds, Samuel H., Claysville, Pa. Gate. 1,959,709; May 22.
- Degan, William J., New York, N. Y. Cap. 1,984,521; Dec. 18.
- Deems, Edward M., Forest Hills, assignor to Railroad Accessories Corporation, New York, N. Y. Bond. 1,945,480; Jan. 30.
- Deems, Frank E., Birmingham, Ala., assignor to Continental Gin Company. Hull extractor for cotton. 1,946,783; Feb. 13.
- Deems, Frank E., Birmingham, Ala., assignor to Continental Gin Company. Hull extractor for cotton. 1,963,262; June 19.
- Deere & Company. (See Anderson, Ralph L., assignor.)
- Deere & Company. (See Anderson, R. L., and Oehler, assignors.)
- Deere & Company. (See Andrews, Norman F., assignor.)
- Deere & Company. (See Baker, Mervin R., assignor.)
- Deere & Company. (See Borst, Walter J., assignor.)
- Deere & Company. (See Brown, Theophilus, assignor.)
- Deere & Company. (See Brown, T., and Johnson, assignors.)
- Deere & Company. (See Carlson, Oscar F., assignor.)
- Deere & Company. (See Coultas, Wilbur J., assignor.)
- Deere & Company. (See Coultas, W. J., and Andrews, assignors.)
- Deere & Company. (See Coultas, W. J., and Colvin, assignors.)
- Deere & Company. (See Court, Frank T., assignor.)
- Deere & Company. (See Court, F. T., Christensen, and Johnson, assignors.)
- Deere & Company. (See Frederiksen, Carl J., assignor.)
- Deere & Company. (See Hamme, Richard H., assignor.)
- Deere & Company. (See Hanson, Ellert O., assignor.)
- Deere & Company. (See Hoffman, John E., assignor.)
- Deere & Company. (See Johnson, Theodore W., assignor.)
- Deere & Company. (See Kettenbach, A. D., and Huddle, assignors.)
- Deere & Company. (See Livesay, Robert C., assignor.)
- Deere & Company. (See Metcalf, Edgar E., assignor.)
- Deere & Company. (See Morse, Bruce, assignor.)
- Deere & Company. (See Neighbour, Leonard B., assignor.)
- Deere & Company. (See Neighbour, L. B., and Thomann, assignors.)
- Deere & Company. (See Paradise, Louis A., assignor.)
- Deere & Company. (See Paul, Talbert W., assignor.)
- Deere & Company. (See Silver, Walter H., assignor.)
- Deere & Company. (See Strandlund, Carl G., assignor.)
- Deere & Company. (See Swanson, S. S., and Neighbour, assignors.)
- Deere & Company. (See Thomann, Frederick A., assignor.)
- Deere & Company. (See White, Charles H., assignor.)

- Deere & Company. (See White, C. H., and McCormick, assignors.)
- Deere, John, Tractor Company. (See Hansen, Merlin, assignor.)
- Deere, John, Tractor Company. (See Koloc, Bohumil A., assignor.)
- Deere, John, Tractor Company. (See Liggett, John T., assignor.)
- Deere, John, Tractor Company. (See McCormick, Elmer, assignor.)
- Deere, John, Tractor Company. (See McCormick, E., and Cade, assignors.)
- Deere, John, Tractor Company. (See McCormick, E., and Dailey, assignors.)
- Deere, John, Tractor Company. (See McCray, Harold E., assignor.)
- Deere, John, Tractor Company et al. (See Worthington, Wayne H., assignor.)
- Deervester, Charles H., Mills, Calif. Sectional multiple indicator with a common dial. 1,960,241; May 29.
- Defandorf, John L. (See Seeger, E. W., and Defandorf.)
- Defiance Manufacturing Corporation. (See Phinney, Edgar E., assignor.)
- Defiance Pressed Steel Company, The. (See Herbolshheimer, Emil L., assignor.)
- Defiance Spark Plugs, Incorporated. (See Bartels, Frank, assignor.)
- De Filippis, Raymond, Brooklyn, N. Y. Automatic gearless transmission. 1,968,030; July 31.
- De Fleury, Raymond, Paris, France. Manufacture of thin panels. 1,963,890; June 19.
- De Florez, Luis, Pomfret, Conn. Purifying hydrocarbon oils. 1,956,525; Apr. 24.
- De Florez, Luis, Pomfret, Conn. Conduit. 1,975,832; Oct. 9.
- De Florez, Luis, Pomfret, Conn. Anticipating failure in oil treating systems. 1,977,177; Oct. 16.
- De Florez, Luis, Pomfret, Conn. Fractionating tower. 1,981,346; Nov. 20.
- De Florez, Luis, Pomfret, Conn. Fluid valve. 1,982,644; Dec. 4.
- De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Method of and apparatus for cracking oils. 1,962,235; June 12.
- De Foe, Edward G., Oak Park, and C. Bramming, Chicago, assignors to Red Boy, Inc., Chicago, Ill. Curb service tray. 1,956,060; Apr. 24.
- De Foe, Edward G., Oak Park, and C. Bramming, assignors to Red Boy, Inc., Chicago, Ill. Curb service tray. 1,958,266; May 8.
- De Foe, Edward G., Oak Park, and C. Bramming, assignors to Red Boy, Inc., Chicago, Ill. Curb service tray. 1,965,955; July 10.
- De Forest, A. V., Associates. (See De Forest, Alfred V., assignor.)
- De Forest, Alfred V., Southport, Conn., assignor to A. V. de Forest Associates, Pittsburgh, Pa. Magnetic testing method and means. 1,960,898; May 29.
- De Forest, Alfred V., Southport, Conn., assignor to A. V. de Forest Associates, Pittsburgh, Pa. Magnetic testing material and preparing the same. 1,960,899; May 29.
- De Forest, Lee, assignor to General Talking Pictures Corporation, New York, N. Y. Gaseous discharge device. 1,944,929; Jan. 30.
- De Forest Radio Company. (See Hunter, Frederick L., Jr., assignor.)
- De Forest Radio Company. (See Zimmer, R. M., and Hawthorne, assignors.)
- De Fraire, John H., Brooklyn, assignor to Consolidated Laundries Corporation, New York, N. Y. Continuous belt fed press. 1,978,570; Oct. 30.
- De Fraithe, Arthur A., New Orleans, La., assignor, by mesne assignments, to Valley Manufacturing Corporation. Rake. 1,970,903; Aug. 21.
- De Frees, Nicholas W. (See Altenburger, I. O., and De Frees.)
- De Frees, Nicholas W., Hastings, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Spraying device. 1,961,924; June 5.
- De Freymery, Frank, et al. (See Deakin, G., Schreiber, Van Mierlo, de Freymery, Pulles, and Willemse.)
- De Fries, Walter, assignor to The William B. Pollock Company, Youngstown, Ohio. Trunnion structure for ladles. 1,944,824; Jan. 23.
- De Fries, Walter, Wilkensburg, assignor to Pittsburgh Steel Foundry Corporation, Glassport, Pa. Ladle car. 1,974,532; Sept. 25.
- Degea Aktiengesellschaft (Auergesellschaft). (See Stock, Alfred, assignor.)
- Degener, Edward K., Los Angeles, Calif. Torsional cross joint. 1,942,746; Jan. 9.
- Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifold device. 1,942,747; Jan. 9.
- Degener, Incorporated. (See Lynch, W. J. D., assignor, and Clarkson.)
- Degenfelder, Carl P. (See Morton, W. C., and Degenfelder.)
- Degenhart, Ernest. (See Collison, E. E., and Degenhart.)
- Deger, Hans. (See Halbig, P., Kaufer, and Deger.)
- Degerth, John G., assignor to "Maskin-Och Brobyggnads Aktiebolaget", Helsingfors, Finland. Bowl for clarifying fluids. 1,956,496; Apr. 24.
- Degerth, John G., assignor to "Maskin-Och Brobyggnads Aktiebolaget", Helsingfors, Finland. Drive for speed indicators. 1,956,497; Apr. 24.
- De Giers, Clarence A., Forest Hills, assignor, by mesne assignments, to R. C. Murphy, New York, N. Y. Remote temperature indicator. 1,943,267; Jan. 9.
- De Giers, Clarence A., Forest Hills, assignor, by mesne assignments, to R. C. Murphy, New York, N. Y. Liquid level indicator. 1,945,736; Feb. 6.
- De Got, Laina, New York, N. Y. Brassiere. 1,958,963; May 15.
- De Grandcourt, Bavven, Norwalk, Conn. Bath cushion. 1,953,798; Apr. 3.
- De Graw, Fred, Morristown, N. J. Auxiliary drive wheel for automobiles. 1,972,839; Sept. 4.
- De Gregorio, Michael, Port Washington N. Y. Windshield wiper. 1,970,497; Aug. 14.
- De Grey, Jack A., Paris, France. Apparatus for making explosive gaseous mixtures. 1,942,956; Jan. 9.
- De Groot, Mortimer, New York, assignor of one-half to I. Berkman, Brooklyn, N. Y. Protective mount. 1,956,527; Apr. 24.
- De Groot, Perry A., Philadelphia, Pa. Compound drip coffee pot. 1,961,631; June 5.
- De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,943,815; Jan. 16.
- De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,985,720; Dec. 25.
- De Groote, Melvin, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,954,585; Apr. 10.
- De Groote, Melvin, St. Louis, and A. F. Wirtel, Richmond Heights, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,961,963; June 5.
- De Groote, Melvin, W. C. Adams, St. Louis, and K. R. Farr, assignors to Tretolite Company, Webster Groves, Mo. Prevention of corrosion. 1,966,711; July 17.
- De Groote, Melvin, St. Louis, B. Keiser, Webster Groves, and A. F. Wirtel, Richmond Heights, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,975,839; Oct. 9.
- De Groote, Melvin, and W. C. Adams, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,976,602; Oct. 9.
- De Groote, Melvin, St. Louis, Mo., and C. H. M. Roberts, San Marino, Calif., assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,977,048; Oct. 16.
- De Groote, Melvin, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,984,633; Dec. 18.
- De Haan, Rufus, Kalamazoo, Mich. Celery display case. 1,961,137; June 5.
- De Haas, Max, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Backlash eliminator. 1,965,221; July 3.
- De Haas, Max, and D. O. Lawless, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,961,129; June 5.
- Dehart, Everett E., Omaha, Nebr. Oil burner. 1,951,648; Mar. 20.
- D'Hauterive, Guy G., St. Denis, France, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Preparing diazo-types. 1,966,755; July 17.
- De Haven, Hugh, New York, N. Y. Razor, sharpener, razor blade sharpening instrument, and razor blade. 1,951,399; Mar. 20.
- De Heeren, Arturo. (See d'Ornellas, Thomas V., assignor.)
- Dehn, George J., Chicago, Ill. Grease trap. 1,977,305; Oct. 16.
- De Holczer, Louis J., assignor to New York Belting & Packing Company, Passaic, N. J. Plastic composition. 1,967,292; July 24.
- Deibel, Cyril P., Lakewood, Ohio. Sealing dry cells. 1,971,254; Aug. 21.
- Deibel, Ernest C., Akron, Ohio. Golf bag. 1,956,008; Apr. 24.
- Deibele, Albert, Kiel, Wis. Clock system. 1,973,337; Sept. 11.
- Deich, Bessie S., New York, N. Y. Manufacturing an article of neckwear. 1,970,495; Aug. 14.
- Deinet, Joseph, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated pyranthrone and making same. 1,975,256; Oct. 2.
- Deinet, Joseph, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye-stuffs of the pyranthrone series and making the same. 1,975,258; Oct. 2.
- Deinet, Joseph, Milwaukee, and D. Katz, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pyranthrone-halogen complex addition compound and making the same. 1,975,257; Oct. 2.
- Deisch, Noel, Washington, D. C. Electromechanical oscillator. 1,965,280; July 3.
- Deisch, Noel, Washington, D. C. Radioreceiver. 1,965,281; July 3.
- Deisch, Noel, Washington, D. C., assignor to Locke Insulator Corporation, Baltimore, Md. Conductor releasing clamp. 1,949,562; Mar. 6.

- De Jahn, Fredrik W., assignor to J. D. Jenssen, New York, N. Y. Recovering in concentrated form gas existing in dilute admixture with other gases. 1,946,489; Feb. 13.
- De Jong, Frans H. (See Voorhoeve, N. A. J., and de Jong.)
- De Jong, Frans H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Lighting installation for vehicles. 1,965,308; July 3.
- De Jur-Amsco Corporation. (See Thomas, Leslie G., assignor.)
- Dekany, Louis, Chicago, Ill. Time controlled switch. 1,941,828; Jan. 2.
- De Kay, Richard E. (See De Kay, Robert E., assignor.)
- De Kay, Robert E., assignor to Richard E. De Kay, Los Angeles, Calif. Tray conveyor. 1,973,750; Sept. 18.
- Deknatel, Frederick H., Chicago, Ill., assignors to Mackie-Lovejoy Manufacturing Company. Garment hanger. 1,955,792; Apr. 24.
- De Koning, Frank, and F. H. Newman, deceased, Jersey City, N. J.; H. Newman, administratrix. Conical spiral screw propeller. 1,961,415; June 5.
- De Kramolin, Léon L., Berlin-Pankow, Germany. Grid bias arrangements in thermionic valve circuits. 1,967,917; July 24.
- De Kramolin, Léon L., Berlin-Pankow, Germany. Radio receiving apparatus. 1,968,335; July 31.
- De Kramolin, Léon L., Berlin-Pankow, Germany. Radio receiving apparatus. 1,969,209; Aug. 7.
- Delachaux, Clarence L., Gennevilliers, France. Aluminothermic preparation of air quenching steel. 1,954,922; Apr. 17.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft of the rotative wing type. 1,947,901; Feb. 20.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotative wings. 1,948,455; Feb. 20.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotative sustaining blades. 1,948,456; Feb. 20.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor. 1,948,458; Feb. 20.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotative wings. 1,948,514; Feb. 27.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotative wings. 1,949,296; Feb. 27.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor. 1,949,410; Mar. 6.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having freely rotative wings. 1,949,785; Mar. 6.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft of the rotative wing type. 1,950,080; Mar. 6.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft of the rotative sustaining wing type. 1,969,781; Aug. 14.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotative sustaining blades. 1,971,033; Aug. 21.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative-winged aircraft and operation. 1,974,738; Sept. 25.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor construction. 1,980,169; Nov. 13.
- De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Sustaining rotor for aircraft and making same. 1,985,819; Dec. 25.
- De Laderrière, Marcel, Cailly, Seine-Inferieure, France. Automatic demultiplying apparatus. 1,972,377; Sept. 4.
- De Lagabbe, Edmond, Paris, France. Exhaust silencer. 1,949,041; Feb. 27.
- De La Garde, Theodor M., Los Angeles, assignor of three-fourths to T. L. Tally, Beverly Hills, Calif. Combined intermittent claw feed film movement and film pressure release. 1,944,500; Jan. 23.
- De La Garde, Theodor M., Los Angeles, assignor of three-fourths to T. L. Tally, Beverly Hills, Calif. Focusing device for cameras. 1,950,660; Mar. 13.
- De La Garde, Theodor M., Los Angeles, assignor of three-fourths to T. L. Tally, Beverly Hills, Calif. Camera. 1,950,715; Mar. 13.
- De La Garde, Theodor M., assignor to A. Barlatier, Los Angeles, Calif. Focal plane camera shutter. 1,951,347; Mar. 20.
- De La Garde, Theodor M., Los Angeles, assignor of three-fourths to T. L. Tally, Beverly Hills, Calif. Motion picture camera. 1,970,844; Aug. 21.
- Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Automatic adjusting device for brakes. 1,943,816; Jan. 16.
- Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,963,958; June 26.
- Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Adjusting device. 1,978,697; Oct. 30.
- Delamatter, Homer. (See Chandler, E. C., and Delamatter.)
- Delamere Company. (See Goodman, Jacob, assignor.)
- Delamere Company, Inc. (See Campana, George G., assignor.)
- De Lamprecht, Rodolph, Vancouver, British Columbia, Canada, assignor to The Cold White Light Inc., Seattle, Wash. Producing white luminous tubes of electrified neon gas. 1,979,606; Nov. 6.
- De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Casing for liquid dispensing apparatus. Des. 92,164; May 8.
- De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,970,361; Aug. 14.
- De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Connection for filters and the like. 1,982,376; Nov. 27.
- Deland, Benjamin, South Euclid, Ohio. Back for folding chairs. 1,963,835; June 19.
- Deland, Benjamin, South Euclid, Ohio. Seat and back for folding chairs. 1,966,812; July 17.
- Delaney, Ada W., Estate of. (See Delaney, John H., assignor.)
- Delaney Chemical Company. (See Petersen, Oscar L., H. L. and C. E., assignors.)
- Delaney, John H., deceased, Los Angeles, Calif., Union Bank & Trust Co. of Los Angeles, administrator, assignor to estate of Ada W. Delaney, deceased. Soundproof board and making same. 1,943,757; Jan. 16.
- Delaney, John H., deceased, by Union Bank & Trust Co. of Los Angeles, administrator, Los Angeles, Calif., assignor to the estate of A. W. Delaney, deceased. Acoustic building material. 1,985,487; Dec. 25.
- Delaney, Myron E., Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y. Cement. 1,945,803; Feb. 6.
- Delaney, Myron E., East Orange, N. J., assignor to Bakelite Corporation, New York, N. Y. Moisture-resistant varnish. 1,980,253; Nov. 13.
- De Laney, Wallace W., assignor to The Seamless Rubber Company, Incorporated, New Haven, Conn. Bathing cap. 1,950,081; Mar. 6.
- De Laney, Wallace W., assignor to The Seamless Rubber Company, New Haven, Conn. Vaginal syringe. 1,971,096; Aug. 21.
- De Lano, Fred C., South Pasadena, Calif. Ampoule sealing machine. 1,967,766; July 24.
- Delano, Howard A., York, and R. S. Kindt, West York, Pa., assignors, by mesne assignments, to American Chain Company, Inc. Differential chain hoist. 1,957,943; May 8.
- Delano, Howard A., Springettsbury Township, and E. Greene, Spring Garden Township, York County, Pa., assignors to American Chain Company, Inc. Welding method and apparatus therefor. 1,975,753; Oct. 2.
- Delano, James K., Yonkers, N. Y. Crank case flushing apparatus. 1,951,649; Mar. 20.
- DeLanty, Loren J. (See Drake, H. C., and DeLanty.)
- De Lanty, Loren J. (See Perry, W. M., and De Lanty.)
- De Lanty, Loren J., Spring Valley, and W. M. Perry, assignors to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 1,976,837; Oct. 16.
- Delany, Albanus G., Alabama City, Ala., assignor to Gulf States Steel Company. Sheet piler. 1,958,133; May 8.
- De la Riboisiere, Jean-F. P., Paris, France. Fuel for internal combustion engines. 1,982,420; Nov. 27.
- De La Rochette, Charles, Neuilly-sur-Seine, France. Acetylene gas generator. 1,972,646; Sept. 4.
- Delatone Company, The. (See Uebbing, Albert A.)
- De la Torre, J. E. Hijo. (See de la Torre, Jesus, assignor.)
- De la Torre, Jesus, assignor to J. de la Torre E. Hijo, Mexico, Mexico. Filtering element. 1,943,165; Jan. 9.
- De Laval Separator Company, The. (See Ashworth, Daniel I., assignor.)
- De Laval Separator Company, The. (See Dietrich, Melvin A., assignor.)
- De Laval Separator Company, The. (See Erling, Sven J., assignor.)
- De Laval Separator Company, The. (See Flowers, Alan E., assignor.)
- De Laval Separator Company, The. (See Gilmore, Vincent J., assignor.)
- De Laval Separator Company, The. (See Hall, Selden H., assignor.)
- De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
- De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
- De Laval Separator Company. (See Napgood, Cyrus H., assignor.)
- De Laval Separator Company, The. (See Sangster, William, assignor.)
- De Laval Separator Company, The. (See Scott, Walter A., assignor.)
- De Laval Separator Company, The. (See Staaff, Per H., assignor.)
- De Laval Separator Company, The. (See Strezynski, George J., assignor.)
- De Laval Steam Turbine Company. (See Broadhurst, Frank S., assignor.)
- De Lavad, Dimitri S., Paris, France. Automatically variable pitch propeller. 1,943,210; Jan. 9.
- De Lavad, Dimitri S., Paris, France. Automatic adjusting device. 1,971,643; Aug. 28.
- De la Vega, Virgilio F. (See Moreno, J. D., and de la Vega.)
- Delaware Chemical Engineering Company. (See Nagelvoort, Adriaan, assignor.)

- Delaware, Lackawanna & Western Coal Company. (See Landon, N. R., and Collins, jr., assignors.)
 Delaware, Lackawanna & Western Coal Company, The. (See Mork, Harry S., assignor.)
 Delaware Rayon Company. (See Brumberger, Edward S., assignor.)
 Delco Appliance Corporation. (See Walker, Willard R., assignor.)
 Delco Appliance Corporation. (See Wallis, C. T., and Marquart, assignors.)
 Delco Aviation Corporation. (See Loudon, Warren P., assignor.)
 Delco-Light Company. (See Dickey, Ernest, assignor.)
 Delco Products Corporation. (See Aseltine, Fred E., assignor.)
 Delco Products Corporation. (See Bates, Ralph I., assignor.)
 Delco Products Corporation. (See Chryst, William A., assignor.)
 Delco Products Corporation. (See Elsey, George W., assignor.)
 Delco Products Corporation. (See Funston, Frederick D., assignor.)
 Delco Products Corporation. (See Hardman, Frederick J., assignor.)
 Delco Products Corporation. (See Kindl, Carl H., assignor.)
 Delco Products Corporation, The. (See Kindl, C. H., Rossman, and Bates, assignors.)
 Delco Products Corporation. (See Riedel, Walter W., assignor.)
 Delco Products Corporation. (See Rossman, Edwin F., assignor.)
 Delco Products Corporation. (See Rossman, E. F., and Funston, assignors.)
 Delco Products Corporation. (See Teeter, Wilford H., assignor.)
 Delco-Remy Corporation. (See Critchfield, Robert M., assignor.)
 Delco-Remy Corporation. (See Davis, Charles H., jr., assignor.)
 Delco-Remy Corporation. (See Dyer, John B., assignor.)
 Delco-Remy Corporation. (See Goad, Louis C., assignor.)
 Delco-Remy Corporation. (See Hartzell, Herman L., assignor.)
 Delco-Remy Corporation. (See Keller, Clarence J., assignor.)
 Delco-Remy Corporation. (See Norviel, Harry E., assignor.)
 Delco-Remy Corporation. (See Parker, Leslie O., assignor.)
 Delco-Remy Corporation. (See Phelps, Alva W., assignor.)
 Delco-Remy Corporation. (See Poole, Lora E., assignor.)
 Delco-Remy Corporation. (See Shippy, L. C., Phelps, and Holmes, assignors.)
 De Leeuw, Adolph L., Plainfield, N. J. Gear cutting machine and method. 1,983,019; Dec. 4.
 Delehanty, Thomas, Washington, D. C. Automobile headlight. 1,968,931; Aug. 7.
 Delfs, Detlef, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Symmetrically substituted azobenzene compounds. 1,959,461; May 22.
 Delfs, Detlef, and R. Knoche, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing azodyestuffs containing copper. 1,957,580; May 8.
 Delgado, Genaro F. (See Goff, W. B., and Delgado.)
 Deli, Frank C., assignor to Autopoint Company, Chicago, Ill. Combined pencil and letter opener. Des. 91,976; Apr. 10.
 Deli, Frank C., assignor to Autopoint Company, Chicago, Ill. Combined pencil and advertising device. Des. 92,705; July 10.
 De Lin, Martin. (See Nystrom, O. P., and De Lin.)
 De Lin, Martin, assignor to Holland Furnace Company, Holland, Mich. Liquid flow regulating valve. 1,946,734; Feb. 13.
 Delisle, Rosario, Dracut, Mass. Sanitary razor strop holder. 1,984,120; Dec. 11.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 92,064; Apr. 24.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 92,065; Apr. 24.
 De Liso, Vincent, Astoria, N. Y. Textile fabric or similar article. Des. 92,165; May 8.
 De Liso, Vincent, Astoria, N. Y. Textile tape or similar article. Des. 92,166; May 8.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,541; Oct. 9.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,542; Oct. 9.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,543; Oct. 9.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,544; Oct. 9.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,545; Oct. 9.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,546; Oct. 9.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,547; Oct. 9.
 De Liso, Vincent, Astoria, Long Island, N. Y. Shoe. Des. 93,761; Nov. 6.
 De Liso, Vincent, Astoria, Long Island, assignor to Palter-De Liso, Inc., New York, N. Y. Shoe. Des. 91,610; Feb. 27.
 De Liso, Vincent, Astoria, Long Island, assignor to Palter-De Liso, Inc., New York, N. Y. Shoe. Des. 91,611; Feb. 27.
 De Liso, Vincent, Astoria, Long Island, assignor to Palter-De Liso, Inc., New York, N. Y. Shoe. Des. 91,612; Feb. 27.
 De Liso, Vincent, Astoria, Long Island, assignor to Palter-De Liso, Inc., New York, N. Y. Shoe. Des. 91,613; Feb. 27.
 De Liso, Vincent, Astoria, Long Island, assignor to Palter-De Liso, Inc., New York, N. Y. Shoe. Des. 91,614; Feb. 27.
 De Liso, Vincent, Astoria, Long Island, assignor to Palter-De Liso, Inc., New York, N. Y. Shoe. Des. 91,615; Feb. 27.
 De Liso, Vincent, Astoria, Long Island, assignor to Palter-De Liso, Inc., New York, N. Y. Shoe. Des. 91,706; Mar. 13.
 De Liso, Vincent, Astoria, Long Island, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 91,707; Mar. 13.
 De Liso, Vincent, Astoria, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 91,767; Mar. 20.
 Delk, James E. (See Gilstrap, M. L., and Delk.)
 Delk, Levi P., Salt Lake City, Utah. Safety callous and corn knife. 1,958,785; May 15.
 Dell, George W., Cheviot, assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Mixing machine. 1,955,413; Apr. 17.
 Dellinger, John, Buffalo, N. Y. Hydrofertilizer apparatus. 1,974,355; Sept. 18.
 Dellinger, Martin C. (See Kulp, H. W., and Dellinger.)
 Dellinger, Martin C., assignor of one-half to H. W. Kulp, Lancaster, Pa. Food chopper. 1,947,153; Feb. 13.
 Dell'Orco, Louis A. (See Seninger, F., Goeke, Nash, and Dell'Orco.)
 Delman, Inc. (See Ellington, Ferdinand W., assignor.)
 Delman, Inc. (See Morali, Charles, assignor.)
 Del Mar, Harry, New York, N. Y. Direct-indirect water heating system. 1,943,373; Jan. 16.
 Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Electric cable. 1,944,003; Jan. 16.
 Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Electric cable. 1,944,004; Jan. 16.
 Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Pressure reservoir with fabric bag. 1,944,005; Jan. 16.
 Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Multi-conductor shielded cable. 1,959,526; May 22.
 Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Electric cable. 1,980,387; Nov. 13.
 Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Oil filled cable with tubular oil channels. 1,980,388; Nov. 13.
 Delmas, Benjamin, et al. (See Ramos, J. A., and Scribante, assignors.)
 De Loe, Oliver F. (See Simkins, H. D., and De Loe.)
 Deloghia, Louis E. (See Perkins, J. L., Croft, and Deloghia.)
 De Long Hook and Eye Company, The. (See Upham, Gilbert R., assignor.)
 De Long, Charles F., Mount Vernon, N. Y., assignor to The Clark Thread Company, Newark, N. J. Wound bobbin. 1,966,487; July 17.
 De Long, Harry D., St. Louis, assignor of one-third of forty-eight per cent to P. J. Weitkam, Kansas City, Mo. Spark plug. 1,949,955; Mar. 6.
 De Long, Raleigh, Houston, Tex. Sight feed mechanical lubricator. 1,952,746; Mar. 27.
 De Long, Raleigh, Houston, Tex. Hydrostatic sight feed lubricator. 1,977,377; Oct. 16.
 De Lorenzo, Thomas, West Medford, Mass. Display board locking device. 1,950,165; Mar. 6.
 Delpech, Gaston. (See George, H., and Delpech.)
 Delpech, Jacques, and C. Heinrich, Amiens, France. Manufacture of artificial silks. 1,973,741; Oct. 30.
 Delphos Bending Company, The. (See Sweet, Clifford I., assignor.)
 Delpini, Jose L., and J. Taraborrelli, Buenos Aires, Argentina. Platform of passenger cars. 1,954,404; Apr. 10.
 Del Ponte, Federico N., Buenos Aires, Argentina. Dictating and reproducing apparatus. 1,978,525; Oct. 30.
 Delta Manufacturing Company. (See Tate, J., and Tautz, assignors.)
 Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
 Delta-Star Electric Company, The. (See Alsaker, Alfred, assignor.)
 Delta-Star Electric Company. (See Alsaker, A., and Nessler, assignors.)
 Delta-Star Electric Company. (See Alsaker, A., and Polgov, assignors.)
 Delta-Star Electric Company. (See Cornell, E. S., and Stene, assignors.)
 Delta Star Electric Company, The. (See Fjellstedt, T., Alsaker, and Hampton, assignors.)
 Delta-Star Electric Company. (See Killian, Stanley C., assignor.)

- Delta-Star Electric Company. (See Muehleman, Henry J., assignor.)
- Delta-Star Electric Company. (See Rah, Joseph C., assignor.)
- Delta-Star Electric Company. (See Sumpter, John E., assignor.)
- Deltor Rug Company. (See Schmiedel, William F., assignor.)
- Deltor Rug Company. (See Steiger, Carl E., assignor.)
- De Luca, Ettore, assignor to J. H. Robertson, London, England. Synchronous driving device. 1,949,145; Feb. 27.
- De Luca, Ettore, assignor to J. H. Robertson, London, England. Speed regulating device. 1,961,416; June 5.
- De Luca, Horatio R., Bridgeport, Conn. Fountain toothbrush. 1,959,126; May 15.
- De Luxe Metal Furniture Company. (See Onions, Herbert J., assignor.)
- Deluxe Products Corporation, The. (See Vogel, J. A., and Warner, assignors.)
- Dely, Josef G., assignor to Chemical Engineering Corporation, New York, N. Y. Gas purification. 1,962,485; June 12.
- Demag Aktiengesellschaft. (See Engler, Hermann, assignor.)
- Demag Aktiengesellschaft. (See Heetkamp, Heinrich, assignor.)
- Demag Aktiengesellschaft. (See Wilsing, Paul, assignor.)
- Demag Aktiengesellschaft. (See Zabel, Franz, assignor.)
- De Malaussene, Henri S., Santa Monica, Calif. Rotary transformer armature. 1,985,154; Dec. 18.
- De Malaussene, Henri S., assignor to A. L. Bernheimer, Santa Monica, Calif. Automatic generator regulator. 1,952,791; Mar. 27.
- De Malaussene, Henri S., assignor to A. L. Bernheimer, Santa Monica, Calif. Generator regulator. 1,954,562; Apr. 10.
- De Malaussene, Henri S., assignor to A. L. Bernheimer, Santa Monica, Calif. Generator regulator for motor vehicles equipped with freewheeling. 1,954,563; Apr. 10.
- De Malaussene, Henri S., Los Angeles, assignor to A. L. Bernheimer, Santa Monica, Calif. Toilet bowl. 1,955,579; Apr. 17.
- De Malaussene, Henri S., Los Angeles, assignor to A. L. Bernheimer, Santa Monica, Calif. Combined electrical motor and generator. 1,970,498; Aug. 14.
- De Malaussene, Henri S., North Hollywood, and A. L. Bernheimer, Los Angeles, Calif.; said de Malaussene assignor to said Bernheimer. Air cooling device. 1,972,010; Aug. 28.
- Demant, Jules E., assignor to Bozel-Maletra Société Industrielle de Produits Chimiques, Cuisse Lamotte, France. Production of benzoic acid and benzoates. 1,945,032; Jan. 30.
- Demant, Jules E., Cuisse-Lamotte, assignor to Bozel-Maletra Société Industrielle de Produits Chimiques, Paris, France. Manufacture of chromates and dichromates. 1,955,326; Apr. 17.
- Demant, Jules E., Cuisse-Lamotte, assignor to Bozel-Maletra Société Industrielle de Produits Chimiques, Paris, France. Manufacture of chromium oxide. 1,968,599; July 31.
- De Marais, Frank. (See Baird, V. E., Griffiths, and De Marais.)
- De Marcellac, André, New Orleans, La. Combination ash tray and paper match package holder. 1,947,384; Feb. 13.
- De Marco, Charles, Rochester, N. Y. Camera. 1,951,473; Mar. 20.
- Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,946,615; Feb. 13.
- Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Controlling gas filled discharge tubes. 1,955,874; Apr. 24.
- Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,955,875; Apr. 24.
- Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 1,956,670; May 1.
- Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Control system. 1,964,110; June 26.
- Demarest, D. Douglas, et al. (See Grandgent, Louis, assignor.)
- Demarest, Thomas W., assignor to Barco Manufacturing Company, Chicago, Ill. Apparatus for fluid pressure regulation. 1,975,138; Oct. 2.
- De Markus, Louis, assignor to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa. Filling machine. 1,985,767; Dec. 25.
- De Martinez, Isabel N., New York, N. Y., assignor to Hookless Fastener Company. Fastening device. 1,970,120; Aug. 14.
- De Mask, Martin J., Pittsfield, Mass. Electric wiring system. 1,962,554; June 12.
- De Mask, Martin J., Pittsfield, Mass. System for distributing power. 1,982,152; Nov. 27.
- De Mattia, Barthold, Passaic, N. J. Vulcanizing press. 1,947,335; Feb. 13.
- De Mattia, Barthold, Passaic, N. J., assignor to The Goodyear Tire & Rubber Company. Tire shaping and air bag inserting machine and method. 1,964,844; July 3.
- De Mattia, John B. (See Pieri, R. J., and De Mattia.)
- De Mattia, Peter, Passaic, N. J., assignor to National Rubber Machinery Company. Vulcanizing mold for inner tubes and the like. 1,977,118; Oct. 16.
- De Mattia, Peter, Passaic, N. J., assignor to National Rubber Machinery Company, Akron, Ohio. Vulcanizer. 1,977,119; Oct. 16.
- De Mers, Clayton D. (See Olson, R. E., and De Mers.)
- Demers, Telephone Co., Lebanon, N. H. Warp tension equalizer. 1,951,967; Mar. 20.
- Demetrakopoulos, Peter, Middle Village, Long Island, N. Y. Ticket punching device. 1,963,263; June 19.
- Deming Company, The. (See Shallenberg, Walter A., assignor.)
- Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Compound gas pressure regulator. 1,948,027; Feb. 20.
- Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Circumferential pipe welding. 1,956,824; May 1.
- Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas generator. 1,967,293; July 24.
- Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas generator. 1,967,294; July 24.
- Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas generator. 1,969,121; Aug. 7.
- Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas generator. 1,970,225; Aug. 14.
- Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas pressure stabilizer. 1,984,868; Dec. 18.
- Deming, Paul H. (See Wheeler, Everett, assignor.)
- Deming, Robert, Cincinnati, Ohio. Well pump. 1,980,985; Nov. 20.
- Deming, Robert, Cincinnati, Ohio. Pumping apparatus. 1,980,986; Nov. 20.
- Demnitz, Albert, Dresden-Laubegast, Germany. Hat press. 1,972,378; Sept. 4.
- De Monge, Gérard, Liege, Belgium, assignor to Fabbrica Italiana Magneti Marelli, Società Anonima, Milan, Italy. Regulation of brakes. 1,960,481; May 29.
- De Montby, Henry. (See Berthelemy, P., de Montby, and Pouvreau.)
- De Moor, Maurice. (See Anseele, E., and De Moor.)
- De Mooy, John, Cleveland, Ohio. Lubricator. 1,947,430; Feb. 13.
- De Mooy, John, Cleveland, Ohio. Fluid controlling valve. 1,968,284; July 31.
- De Mooy, John, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Riveting machine. 1,971,773; Aug. 28.
- De Mooy, John, assignor to Cleveland Pneumatic Tool Company, Cleveland, Ohio. Nail driving device. 1,980,967; Nov. 13.
- De More, Leonel A., Oak Park, Ill., assignor, by mesne assignments, to The Yale and Towne Manufacturing Company, Stamford, Conn. Refrigerator truck. 1,950,599; Mar. 13.
- De Mott, James F. (See Skidmore, G. A., Molitor, and De Mott.)
- Dempsey, John D., Olean, N. Y. Heater attachment for automobile headlamps and the like. 1,951,902; Mar. 20.
- Dempsey, Michael J., assignor to The Chase Companies Incorporated, Waterbury, Conn. Compound tool and making the same. 1,974,807; Sept. 25.
- De Muth, Charles J., assignor, by mesne assignments, to Jones, McDuffee & Stratton Corporation, Boston, Mass. Food servicer. 1,948,937; Feb. 27.
- Demuth, John. (See O'Connell, D. J., Schlossman, Demuth, and Loeb.)
- Demuth, John. (See Schlossman, N. J., and Demuth.)
- De Muth, William, & Company. (See Hendriks, William, assignor.)
- De Napoli, Anthony C., Jr., East Orange, N. J., and J. O. Kleber, Yonkers, assignors to Electrical Research Products, Inc., New York, N. Y. Fixture. 1,981,690; Nov. 20.
- Den Boer, Hendrik P., assignor to Naamloze Vennotschap: Bakovenbouw voorheen H. P. den Boer, Dordrecht, Netherlands. Conveying device for use in bakeries. 1,945,836; Feb. 6.
- Denegre, Charles. (See Williams, William S., assignor.)
- Denels, Robert, New York, N. Y. Bottle. Des. 93,914; Nov. 27.
- Denerich, Anthony J., assignor to The Sesame Company, Hartford, Conn. Permutation lock. 1,964,936; July 3.
- De Neumann, Mihály, Budapest, assignor to "Egyesült Izzólámpa és Villamosági Reszvényársaság" Üzem, Hungary. Sealing of gas-filled containers. 1,977,671; Oct. 23.
- Denham, Alfred M., Spokane, Wash. System of multiple phototelevision. 1,984,466; Dec. 18.
- Denhart, George E., Pittsburgh, Pa. Tire deflation indicator. 1,947,760; Feb. 20.
- Den Hertog, Herman J., Jr. (See Wibaut, J. P., and den Hertog.)
- Denig, Fred, Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Saturator ejector vent pipe. 1,964,560; June 26.
- Denig, Fred, Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Manufacture of ammonium sulphate. 1,973,892; Sept. 18.

- Deninson, Jacob Z. A., New York, N. Y. Securing stereoscopic effects and device for this purpose. 1,955,273; Apr. 17.
- Denio, Robert J., Modesto, Calif. Notebook holder. 1,971,600; Aug. 28.
- Denis, Armand G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing. 1,973,463; Sept. 11.
- Denis, Armand G., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic control for photographic printing exposures. 1,973,469; Sept. 11.
- Denis, Armand G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 1,973,470; Sept. 11.
- Denison, Frederick S., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Warp switch. 1,958,081; May 8.
- Denison, Frederick S., and D. G. Taylor, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 1,941,540; Jan. 2.
- Denison, William C., Cleveland Heights, Ohio. Air conditioning device. 1,957,058; May 1.
- Deniston, Albert J., jr., Chicago, Ill. Combined fastening and sealing device. 1,953,592; Apr. 3.
- Denk, Emil S., Villa Park, Ill. Fixture. 1,966,167; July 10.
- Denk, Ralph G., Peru, Ind. Booster pump. 1,959,817; May 22.
- Denk, Ralph G., and W. F. Petty, Peru, Ind. Safety plug for boilers. 1,954,285; Apr. 10.
- Denk, Ralph G., and A. E. Britton, Peru, Ind. Engine poppet valve lifter. 1,970,646; Aug. 21.
- Denker, Charles T., assignor to L. L. Denker, Chicago, Ill. Mechanical stoker. 1,961,098; May 29.
- Denker, Loraine L. (See Denker, Charles T., assignor.)
- Denker, Oscar. (See Thonger, J. R., and Denker.)
- Denman, Frank T., Forest Hills, N. Y. Carton. 1,951,274; Mar. 13.
- Denman, George E., Oakland, Calif. Circuitous conduit for refrigerators. 1,954,310; Apr. 10.
- Denmead, John W. (See Palmer, T. A., and Denmead.)
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for insulating and wrapping tire bead wire. 1,947,974; Feb. 20.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Forming bead flippers. 1,956,982; May 1.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire building machine. 1,966,541; July 17.
- Dennedy, James H., Evansville, Ind., assignor to Rotorite Corporation, Detroit, Mich. Refrigerating system. 1,960,576; May 29.
- Dennedy, James H., Evansville, Ind., assignor to Rotorite Corporation, Chicago, Ill. Fluid compressor. 1,970,033; Aug. 14.
- Dennerlein, Peter, assignor to The McCall Company, Dayton, Ohio. Drawer partition. 1,945,773; Feb. 6.
- Dennett, Phillips, Medfield, assignor to Bird Machine Co., South Walpole, Mass. Method of and apparatus for preparing pulp stock for delivery to a paper-making machine. 1,965,579; July 10.
- Denney, John M., Depew, Okla. Pipestem liner. 1,943,518; Jan. 16.
- Dennie, Essie L., executrix. (See Dennie, Harry E., assignor.)
- Dennie, Harry E., deceased, Chicago, Ill.; E. L. Dennie, executrix. Hose coupling. 1,980,389; Nov. 13.
- Denning, Paul S., Joliet, Ill., assignor of one-half to The Wyodak Chemical Company, Cleveland, Ohio, and one-half to F. E. Schundler & Company, Inc., Joliet, Ill. Washing composition. 1,943,619; Jan. 16.
- Denning, Paul S., Joliet, Ill., assignor to F. E. Schundler & Company. Insulating material. 1,957,822; May 8.
- Denning, Paul S., Joliet, Ill., assignor to F. E. Schundler & Co., Inc. Acoustical composition. 1,977,874; Oct. 23.
- Dennis, Basil W., Columbus, Ohio, assignor to General Fire Extinguisher Company, Providence, R. I. Gasket. 1,944,135; Jan. 16.
- Dennis, Charles, Jackson, Mich., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rake. 1,978,295; Oct. 23.
- Dennis, Charles W., Middletown, and W. E. Lowthian, White Plains, N. Y. Bottle for ink or other liquids. 1,966,754; July 17.
- Dennis, John E., London, Ontario, Canada. Metallic window construction. 1,968,247; July 31.
- Dennis, John E., Gardiner, N. Mex. Buckle. 1,972,292; Sept. 4.
- Dennis, John W. (See Sibson, W. W., and Dennis.)
- Dennis, Laurence S., Los Angeles, Calif. Treating anchor plugs. 1,959,463; May 22.
- Dennis, William O., Kansas City, Mo. Rheostat switch. 1,955,227; Apr. 17.
- Dennis, Wolcott, Elizabeth, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating krypton and xenon from air. 1,945,365; Jan. 30.
- Dennis, Wolcott, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for separating the rare gases krypton and xenon from the atmosphere. 1,945,366; Jan. 30.
- Dennison, Aubrey V. (See Roberts, E. L., and Dennison.)
- Dennison, Brook J. (See Fix, E. L., and Dennison.)
- Dennison, Charles H., Quincy, assignor to American Rubber Company, Cambridge, Mass. Coating method. 1,975,195; Oct. 2.
- Dennison, Edward S., Swarthmore, Pa. assignor to Westinghouse Electric & Manufacturing Company. Hydraulic governing system. 1,948,098; Feb. 20.
- Dennison Manufacturing Company. (See Alden, Gardner R., assignor.)
- Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
- Dennison Manufacturing Company. (See Hilliard, Walter M., assignor.)
- Dennison Manufacturing Company. (See Kallander, U. L., and Charles, assignors.)
- Dennison Manufacturing Company. (See Scott, Henry F., assignor.)
- Denniston, Adolph L., Park Ridge, assignor to Stromberg Electric Company, Chicago, Ill. Time recorder system. 1,979,318; Nov. 6.
- Denniston, Adolph L., Park Ridge, assignor to Stromberg Electric Company, Chicago, Ill. Synchronous motor job time recorder. 1,979,319; Nov. 6.
- Denny, Robert C., assignor to M. H. Detrick, Company, Chicago, Ill. Furnace construction. 1,957,098; May 1.
- Denny, Robert C., assignor to M. H. Detrick Company, Chicago, Ill. Stoker furnace construction. 1,982,797; Dec. 4.
- De Normanville, Edgar J., London, assignor to de Normanville Transmissions Limited, Coventry, England. Hydraulically operated controlling device applicable to variable velocity ratio gearing. 1,974,329; Sept. 18.
- De Normanville Transmissions Limited. (See de Normanville, Edgar J., assignor.)
- Densen, Harris, New York, N. Y. Corrugated board knock-down box. 1,974,061; Sept. 18.
- Denstädt, Friedrich. (See Schröder-Stranz, F. and Denstädt, Hermann and F.)
- Denstädt, Hermann. (See Schröder-Stranz, F. and Denstädt, Hermann and F.)
- Densten, Ulysses G., Narberth, assignor to Kitson Company, Philadelphia, Pa. Swivel for gas meters. 1,956,858; May 1.
- Dent, Edward J., Montclair, N. J., assignor to American Coffee Corporation, Brooklyn, N. Y. Roasting coffee. 1,943,211; Jan. 9.
- Dent, Edward J., Montclair, N. J., assignor to American Coffee Corporation, New York, N. Y. Roasting apparatus. 1,970,499; Aug. 14.
- Dentists' Supply Company of New York, The. (See Dietz, C., and Whiteley.)
- Dentists' Supply Company of New York, The. (See Whiteley, George H., assignor.)
- Dentists' Supply Company of New York, The. (See Whittemore, Winthrop C., assignor.)
- Dentler, Arnold E., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 1,956,671; May 1.
- Denton, Minnie O., Rome, Ga. Culinary device. 1,974,644; Sept. 25.
- Denton, Samuel O. (See Fowler, G. R., and Denton.)
- Denver Equipment Company. (See Logue, Leland H., assignor.)
- Denver Equipment Company. (See Logue, L. H., and Daman, assignors.)
- Denver Fire Clay Company, The. (See Butz, C. H., and Gawan, assignors.)
- De Orlow, Stephen, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Hood latch. 1,050,600; Mar. 13.
- De Orlow, Stephen, and J. W. Lakin, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Rear view mirror mounting. 1,973,847; Sept. 18.
- De Palo, Vincent, Brooklyn, N. Y. Macaroni or similar article. Des. 92,591; June 26.
- De Paniagua, Marie-Louise Y., Paris, France. Spark gap for electric oscillations generators. 1,960,142; May 22.
- De Pass, Addison R., Columbia, S. C. Supporter for garden hose nozzles. 1,945,423; Jan. 30.
- Depenbrock, Wilhelm. (See Seitz, P., and Depenbrock.)
- Depenbrock, Wilhelm, assignor to Seitz-Werke G. m. b. H., Kreuznach, Germany. Printing machine. 1,950,373; Mar. 6.
- Depew, Charles. (See Ronci, V. L., and Depew.)
- De Pew, Chester C., Keyport, N. J., assignor to Whirlpool Incorporated. Game. 1,947,125; Feb. 13.
- De Pew, Florence J., San Francisco, Calif. Protective head covering. Des. 92,236; May 15.
- Depew, Harlan A., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making pigments. 1,963,546; June 19.
- Deplanche, Armand, Paris, France. Manufacturing carbon papers. 1,972,011; Aug. 28.
- De Polo, Bruno A. (See Goin, G. R., and De Polo.)
- De Port, Théophile, Dayton, Ohio. Tip flap aileron. 1,947,461; Feb. 20.
- De Pree, Lee. (See Stewart, L. C., and De Pree.)
- De Prisco, Arturo. (See Giannini, J., and De Prisco.)
- Dequeker, Maurice, assignor to Societe dite Mce Dequeker & Cie., Paris, France. Apparatus for the vertical filing of file wrappers or similar objects. 1,953,552; Apr. 3.
- De Rachat, Nicholas G., assignor to Universal Oil Products Company, Chicago, Ill. Cracking of hydrocarbon oils. 1,973,471; Sept. 11.
- De Rachat, Nicholas G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,974,797; Sept. 25.

- De Rachat, Nicholas G., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,979,532; Nov. 6.
- De Raef Corporation. (See Fear, Ernest D., assignor.)
- Derby, Elmer R. (See O'Kane, R. G., and Derby.)
- Derby, Ira H., assignor to P. C. Reilly, Indianapolis, Ind. Producing graphitic carbon. 1,975,259; Oct. 2.
- Derby, Ira H., assignor to P. C. Reilly, Indianapolis, Ind. Volatilizing materials. 1,984,731; Dec. 18.
- Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Flotation. Re19,192; June 5.
- Derby, Ira H., and H. R. Horner, assignors to P. C. Reilly, Indianapolis, Ind. Carbonizing solid carbonizable material. 1,948,515; Feb. 27.
- Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Ore flotation and flotation reagent. 1,949,956; Mar. 6.
- Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Froth flotation. 1,974,704; Sept. 25.
- Derby, John H., Scarsdale, N. Y. Hold-up alarm transmitting means. 1,966,062; July 10.
- Derby, John H., Scarsdale, N. Y. Alloy. 1,982,645; Dec. 4.
- Derby, Norman L., Jackson Heights, N. Y. Thermostatic element. 1,983,269; Dec. 4.
- Derby, Norman L., New York, N. Y., assignor, by mesne assignments, to Foster-Vernay Corporation, Pittsburgh, Pa. Heating system for vehicles. 1,971,135; Aug. 21.
- Derbyshire, William, Los Angeles, Calif. Combination bath and service table. 1,982,859; Dec. 4.
- Dercum, Hermann, Willoughby, Ohio. Bird cafeteria. 1,954,286; Apr. 10.
- De Reamer, Frank C., Bridgeport, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Electric snap switch. 1,971,212; Aug. 21.
- De Reamer, William J. (See Coil, W. D., and De Reamer.)
- De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Pad for fragile articles. 1,954,586; Apr. 10.
- De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Pad for shipping cases. 1,955,907; Apr. 24.
- De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing material. 1,961,341; June 5.
- De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Cake plate. 1,961,342; June 5.
- De Regnaud de Bellescize, Henri J. J. M., Neuilly-sur-Seine, France. Synchronization system. 1,976,877; Oct. 16.
- De Regnaud de Bellescize, Henri J. J. M., Paris, France, assignor to Radio Corporation of America, New York, N. Y. Receiving apparatus. 1,956,711; May 1.
- De Requesens, Alphonse J. N., New York, N. Y. Hair straightening device. 1,972,981; Sept. 11.
- De Rewal, Frank J., Camillus, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Activation of catalysts. 1,952,911; Mar. 27.
- De Reytere, Robert, Moustier-sur-Sambre, Belgium. Grate for fireplaces. 1,977,176; Oct. 16.
- Derham Custom Body Company. (See Heuser, Harry D., assignor.)
- De Ridder, Oliver E., Rochester, N. Y. Shoe with metatarsal support and making same. 1,984,257; Dec. 11.
- De Right, Elon J., Kansas City, Mo. Cable clamp. 1,948,845; Feb. 27.
- Derman, Harry, Laurelton, Long Island, N. Y. Covered rack for doors. 1,984,827; Dec. 18.
- Dernehl, Hans J. (See Weir, C. T., and Dernehl.)
- De Rochement, Henry M., Rockland, Maine. Heating system. 1,963,078; June 19.
- Deron, Alexander P., Astoria, Long Island, N. Y. Telephone responsive control for radio speakers. 1,960,214; May 22.
- De Rossius d'Humain, Fernand, Brussels, assignor to Société Anonyme d'Angleur-Athus, Tilleur, Belgium. Railway sleeper. 1,969,062; Aug. 7.
- De Roysancour, Otto G. J. S., Breda, Netherlands. Carburetor. 1,948,700; Feb. 27.
- Derr, Ralph B. (See Barnitt, J. B., and Derr.)
- Derr, Ralph B. (See Callis, C. C., and Derr.)
- Derr, Ralph B., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Production of anhydrous and absolute alcohols. 1,985,205; Dec. 18.
- Derr, Ralph B., Oakmont, and C. B. Willmore, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Production of anhydrous and absolute alcohols. 1,985,204; Dec. 18.
- Derrah, Robert V., Beverly Hills, Calif. Fruit squeezer. 1,959,615; May 22.
- Derrah, Robert V., Beverly Hills, Calif. Illuminated ornament and sign. 1,959,616; May 22.
- Derrley, Lizzie, Paris, France, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,293; Jan. 2.
- Derrley, Lizzie, Paris, France, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,294; Jan. 2.
- Derry, Jasper, Medford, assignor to Andrew Terkelsen, Newton, Mass. Bottle cap. Des. 92,885; July 31.
- Derry, Jasper, Medford, assignor to A. Terkelsen, Newton, Mass. Molding press. 1,982,576; Nov. 27.
- Dershem, James A., Orchard, Colo. Scraper pan. 1,962,811; June 12.
- De Ruyter, Gerrit, Hazerswonde, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Variety of rose. Pl. Pt. 106; Oct. 16.
- Dery, Wilfred G. (See Koller, H. H., and Dery.)
- Desagnat, Gaston, Paris, France. Decorative lining for walls or other partitions. 1,976,986; Oct. 16.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Combined tea kettle and cover. Des. 92,032; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Combined sauce pan and cover. Des. 92,033; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Combined saucepot and cover. Des. 92,034; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Combined sauce kettle and cover. Des. 92,035; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Combined double boiler and cover. Des. 92,036; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Cover for a pot, pan, kettle, or the like. Des. 92,037; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Sauce pan. Des. 92,038; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Sauce pot. Des. 92,039; Apr. 17.
- De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Vollrath Co., Sheboygan, Wis. Drip coffee pot. Des. 92,040; Apr. 17.
- De Samelson, Paul, New York, and S. Pulaski and J. Kreher, Brooklyn, N. Y. Truck. 1,953,751; Apr. 3.
- De Sanno, Albert P., sr. (See Hershey, Samuel M., assignor.)
- Desautels, Charles H., Springfield, Mass., assignor, by mesne assignments, to The Fisk Rubber Corporation. Manufacture of pneumatic tire casings. 1,982,860; Dec. 4.
- Deseniss, Max. (See Schmidt, A., and Deseniss.)
- Deservi, Mario, Oakland, Calif. Ornamentation for an automobile body. 1,954,348; Apr. 10.
- De Sherbiner, Eric M., et al. (See Bodenschatz, August, assignor.)
- De Sherbinin, William N., Hastings-on-Hudson, N. Y. Adapter. 1,985,488; Dec. 25.
- De Simo, Martin, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Manufacture of ketones. 1,952,702; Mar. 27.
- Desimone, Anthony J., Lyndhurst, assignor to Bright Star Battery Company, Hoboken, N. J. Suspension loop for flashlights. 1,984,401; Dec. 18.
- Des Isles, Leonard H., Chicago, Ill. Supporting clamp. 1,977,431; Oct. 16.
- Deskor Chair Sales Corporation. (See Rich, Willis D., assignor.)
- Deslattes, Clifton, assignor of one-third to M. Dargis, New Orleans, La. Lawn mower attachment. 1,952,792; Mar. 27.
- Desmond, William C., Chicago, Ill. Battery filling device. 1,946,314; Feb. 6.
- Desnoyers, Joseph A., Coderre, Saskatchewan, Canada. Adjustable headlight for motor vehicles. 1,971,174; Aug. 21.
- De Sorce, Leo P., Vineyard Haven, Mass. Fluid motor. 1,964,340; June 26.
- Desoutter-Swain, Inc. (See Groves, Herbert H., assignor.)
- De Souza, Marcos A. I., Rio de Janeiro, Brazil. Sterilizer for milk and other liquids. 1,975,416; Oct. 2.
- De Spain, Thomas H., assignor to Southern Textile Machinery Company, Paducah, Ky. Looper trimmer. 1,963,836; June 19.
- De Spain, Thomas H., assignor to Southern Textile Machinery Company, Paducah, Ky. Looper machine. 1,966,377; July 10.
- De Spain, Thomas H., assignor to Southern Textile Machinery Company, Paducah, Ky. Sewing machine. 1,970,994; Aug. 21.
- De Spain, Thomas H., assignor to Southern Textile Machinery Company, Paducah, Ky. Cylinder looper. 1,975,715; Oct. 2.
- Despard, Victor R. (See Russell, M. N., and Despard.)
- Despard, Victor R. (See Steele, H. V., and Despard.)
- Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric wiring apparatus. Re19,092; Feb. 20.
- Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric wiring apparatus. 1,966,542; July 17.
- Des Roberts, William J., Biddeford, Maine. Carpenter's divider. 1,984,467; Dec. 18.
- Des Roches, Philip W., Detroit, Mich. Electric refrigerant compressor. 1,948,846; Feb. 27.
- Desser, Michael S. (See Owens-Illinois Glass Company, assignors.)
- Desser, Michael S., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Combined jar and closure. Des. 94,021; Dec. 11.
- Desser, Michael S., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Bottle closure. 1,949,902; Mar. 6.

- D'Este, John N., Milo, Maine, and W. R. Tower, Newton, assignors to Jiffy Pad and Excelsior, Inc., Boston, Mass. Heat-insulated paper bag and making the same. 1,942,917; Jan. 9.
- De Stefan, Alfred, Binghamton, assignor to L. Smoller, Bronx, N. Y. Shoe. 1,952,587; Mar. 27.
- De Stoutz, Robert, Niederbronn, France. Piston pump. 1,947,902; Feb. 20.
- De Stubner, Emile C., New York, N. Y. Dispersing pigments. 1,955,738; Apr. 24.
- De Stubner, Emile C., New York, N. Y. Processing finely divided solids. 1,965,764; July 10.
- Désy, Gustave G., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Refining a benzenoid hydrocarbon oil. 1,961,204; June 5.
- Detachable Bit Corporation of America. (See Rea, Walter C., assignor.)
- Det Norske Aktieselskab for Elektrokemisk Industri. (See Ingelsrud, Hildor, assignor.)
- Det Norske Aktieselskab for Elektrokemisk Industri. (See Wisdom, Stuart A., assignor.)
- Detrick, M. H. (See Denny, Robert C., assignor.)
- Detrick, M. H., Company. (See Denny, Robert C., assignor.)
- Detroit Body Die Company. (See Purdy, Emmett G., assignor.)
- Detroit Cabinet Company. (See Garver, Jacob C., assignor.)
- Detroit Dental Manufacturing Company. (See Kerr, R. M., and Wolfe, assignors.)
- Detroit Edison Company, The. (See Walker, James H., assignor.)
- Detroit Gear & Machine Company. (See Buchanan, John C., assignor.)
- Detroit Gray Iron Foundry Company. (See Novotny, Anton, assignor.)
- Detroit Hoist and Machine Company. (See Martin, Henry F., assignor.)
- Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
- Detroit Lubricator Company. (See Cameron, Donald A., assignor.)
- Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
- Detroit Lubricator Company. (See Eggleston, L. W., and Dillman, assignors.)
- Detroit Lubricator Company. (See Hodges, Frederick W., assignor.)
- Detroit Lubricator Company. (See MacKenzie, Russell E., assignor.)
- Detroit Lubricator Company. (See Russel, Philip S., assignor.)
- Detroit Lubricator Company. (See Vaughan, Henry P., assignor.)
- Detroit Lubricator Company. (See von Wangenheim, Adolf, assignor.)
- Detroit Lubricator Company. (See Weber, Walter H., assignor.)
- Detroit Lubricator Company. (See Wile, Daniel D., assignor.)
- Detroit Michigan Stove Company. (See Guenther, William H., assignor.)
- Detroit-Michigan Stove Company. (See Maul, Henry C., assignor.)
- Detroit Moulding Corporation. (See Fischer, John P., assignor.)
- Detroit & Security Trust Company et al, executors. (See Horton, Allen A., assignor.)
- Detroit Show Case Company. (See McDonald, Angus N., assignor.)
- Detroit Steel Products Company. (See Gillett, Harry, assignor.)
- Detroit Steel Products Company. (See Gillett, Harry and W., assignors.)
- Detroit Steel Products Company. (See Kelly, Clyde W., assignor.)
- Detroit Steel Products Company. (See Loucks, James F., assignor.)
- Detroit Steel Products Company. (See Rockhoff, Bert E., assignor.)
- Detroit Stoker Company. (See Beers, Royce L., assignor.)
- Detroit Trust Company. (See Page, Alfred C., assignor.)
- Detroit Trust Company et al, executors. (See Horton, Allen A., assignor.)
- Detroit Vapor Stove Company. (See Leonard, Stephen, assignor.)
- Detroit Vapor Stove Company, The. (See Sherman, Alvin G., assignor.)
- Detroit Wax Paper Company. (See Hettel, Clifford J., assignor.)
- Dettsbach, Samuel E., et al. (See Jaworowski, Joseph F., assignor.)
- Dettenborn, Louis F., Hartford, Conn. Woodworking machine. Re19,315; Sept. 18.
- Dettenborn, Louis F., Hartford, Conn. Woodworking machine. 1,955,951; Apr. 24.
- Dettenborn, Louis F., Hartford, Conn. Door hanger. 1,959,818; May 22.
- Dettwyler, William. (See Gubelmann, I., and Dettwyler, William, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Dvestuff of the anthraquinone-acridone series and preparing the same. 1,969,210; Aug. 7.
- Detwiler, Victor A. (See Detwiler, Vincent F. and V. A., and Doran.)
- Detwiler, Vincent F. and V. A., and J. J. Doran, San Francisco, Calif. Automatic radio program selector. 1,958,943; May 15.
- Deubel, Carl G., assignor to Progressive Service Company, St. Louis, Mo. Perforating device. 1,942,539; Jan. 9.
- Deubel, Hugo K., Hartford, Conn. Dirigible. 1,970,647; Aug. 21.
- Deubener, Walter H. (See Groh, Robert C., assignor.)
- Deubener, Walter H., St. Paul, Minn. Shopping bag structure. 1,955,538; Apr. 17.
- Deubener, Walter H., St. Paul, Minn. Basket. 1,957,099; May 1.
- Deuring, William A., Cleveland Heights, Ohio. Combined lock and protector adapted for use with percolator tops. 1,976,658; Oct. 9.
- Deuse, Edison W., Chester, Conn. Combined tool. 1,972,920; Sept. 11.
- Deutsch, Desider, Budapest, Hungary, assignor to the firm Schering-Kahlbaum, Aktiengesellschaft, Berlin, Germany. Device for inserting medicaments into the body by iontophoresis. 1,967,927; July 24.
- Deutsch, Emerich, Vienna, Austria. Lock. 1,941,932; Jan. 2.
- Deutsch, Fritz, Kreuzlingen, Thurgau, Switzerland. Lampholder. 1,942,804; Jan. 9.
- Deutsch, Fritz, Kreuzlingen, Thurgau, Switzerland. Globe with appliances mounted for attaching them. 1,942,805; Jan. 9.
- Deutsch, Fritz A., Berlin, Germany. Shock absorber. 1,956,712; May 1.
- Deutsch, Fritz A., Berlin, Germany. Shock absorber for motor vehicles. 1,957,529; May 8.
- Deutsch, Hans, assignor to firm Alex. Friedmann, Vienna, Austria. Injector for feeding locomotives or other boilers. 1,963,295; June 19.
- Deutsch Kühl- und Kraftmaschinen G. m. b. H. (See Hopkes, Henry, assignor.)
- Deutsch, Nikolas, Budapest, Hungary. Thread drawing device. 1,943,212; Jan. 9.
- Deutsch, Siegfried, assignor to firm Vogel & Noot, Vienna, Austria. Device for the tightening of radiators. 1,951,968; Mar. 20.
- Deutsch, Walther, Frankfurt-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for electrical precipitation. 1,962,555; June 12.
- Deutsche Celluloid-Fabrik. (See Weihe, A., and Thinius, assignors.)
- Deutsche Edelstahlwerke Aktiengesellschaft. (See Dühme, E., and Cremer, assignors.)
- Deutsche Gasglühlicht-auer-Gesellschaft mit beschränkter Haftung. (See Kindermann, Erich, assignor.)
- Deutsche Gesellschaft für Schädlings-Bekämpfung m. b. H. (See Gassner, Ludwig, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Baier, Hermann, assignor.)
- Deutsche Gold & Silber Scheideanstalt, vormals Roessler. (See Beck, W., and Bonath, assignors.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Fuchs, O., and Naujoks, assignors.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Gorhan, Adolf, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Herzog, Ewald, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt, vormals Roessler. (See Leuser, Josef, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Nowack, Leopold, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Pohl, Walter, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Querfurth, Wilhelm, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Róka, Koloman, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Ryschkewitsch, Eugen, assignor.)
- Deutsche Gold- und Silber-Scheide-Anstalt Vormals Roessler. (See Scheller, Emil, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See von Szeszich, Lajos, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See von Szeszich, Ludwig, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Wiesler, Karl, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Zisch, W., and Jaeger, assignors.)
- Deutsche Niles Werke Aktiengesellschaft. (See Ublich, Paul, assignor.)
- Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft. (See Hamann, Christel, assignor.)
- Deutsche Tornesit-Gesellschaft m. b. H. (See Schmidt, A., and Deseniss, assignors.)
- Deutscher, Oscar C., Brooklyn, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning instrument. 1,947,584; Feb. 20.
- Deutschmann, Arnold, Dorchester, Mass. Electrical condenser. 1,984,785; Dec. 18.
- Deutschmann, Tobe, Corporation. (See Fleming, Wilfred K., assignor.)
- De Vaal, Roelof, Rotterdam, assignor of one-half to H. C. Brinkers, Zegwaard, Netherlands. Turning stationary vehicles. 1,974,705; Sept. 25.
- De Valle, Arizpe, Harmodio A., Toluca, Mexico. Calculating device. 1,969,296; Aug. 7.

- Devan, Michael E., Midwest, Wyo. Calendar clock. 1,959,077; May 15.
- De Vaney, Fred D., and J. B. Clemmer, Rolla, Mo., assignor to The Reclamation Company, St. Paul, Minn. Recovering manganese from ore. 1,951,326; Mar. 13.
- Devany, George H. (See Gruss, Roland M., assignor.)
- De Vaulchier, Simon, New York, N. Y. Face powder box. Des. 93,461; Oct. 2.
- De Vaulchier, Simon, New York, N. Y., assignor to Warren Telechron Company. Combined clock case and dial. Des. 92,949; Aug. 7.
- De Vaulchier, Simon, assignor to Warren Telechron Company, New York, N. Y. Combined clock case and dial. Des. 92,950; Aug. 7.
- De Vault, Ralph P., Villa Park, assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Light ray projection apparatus. 1,948,516; Feb. 27.
- Devendor, John A. and W. A., Jackson Heights, N. Y. Button. 1,972,512; Sept. 4.
- Devendor, William A. (See Devendor, John A. and W. A.)
- Devendorf, Irving C., Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc. Display box. Des. 92,592; June 26.
- Dever, Henry F., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control apparatus and system. 1,969,967; Aug. 14.
- Dever, Henry F., assignor to Minneapolis-Honeywell Regulator Co., Minneapolis, Minn. Burner control apparatus. 1,969,968; Aug. 14.
- Dever, Kersey R., assignor to Nazareth Cement Company, Nazareth, Pa. Bag closure. 1,951,599; Mar. 20.
- Deyers, Philip K., Lynn, Mass., assignor to General Electric Company. Vitreous material and making same. 1,984,178; Dec. 11.
- De Vilbiss Company, The. (See Bailey, Frank A., assignor.)
- De Vilbiss Company, The. (See Brown, Paul B., assignor.)
- De Vilbiss Company, The. (See Brown, P. B., and Schmitt, assignors.)
- De Vilbiss Company, The. (See Carr, W. P., and Tracy, assignors.)
- De Vilbiss Company, The. (See Clark, Albert R., assignor.)
- De Vilbiss Company, The. (See Custer, F., and Brown, assignors.)
- De Vilbiss Company, The. (See Eastman, Ivan L., assignor.)
- De Vilbiss Company, The. (See Fawkes, Charles E., assignor.)
- De Vilbiss Company, The. (See Greene, Charles W., assignor.)
- De Vilbiss Company, The. (See Roselund, Harold A., assignor.)
- De Vilbiss Company, The. (See Schmitt, Joy B., assignor.)
- De Vilbiss Company, The. (See Tracy, Robert W., assignor.)
- De Vilbiss, John A., assignor to G. R. Ernst, St. Louis, Mo. Fuel burner. 1,944,408; Jan. 23.
- De Ville, Edward J., Halethorpe, Md. Catamenial sack. 1,967,226; July 24.
- Devin, Gerald B., assignor of fifty-one per cent to I. V. Moulin, San Francisco, Calif. Camera with moving reflectors. 1,960,598; Aug. 21.
- Devine, John U., Struthers, Ohio. Method and apparatus for making seamless tubes. 1,983,934; Dec. 11.
- Devine, Patrick S., Pharr, Tex. Vehicle spring. 1,971,709; Aug. 28.
- Devine, Thomas J., Harrisburg, Pa. Arch support. 1,952,538; Mar. 27.
- Devine, Thomas J., New York, N. Y., assignor to Ventilating Products Corporation. Ventilator. 1,966,431; July 17.
- De Vizcaya, Jean A., Villa le Haras, Chaville, France. Vehicle body. 1,951,863; Mar. 20.
- De Vizcaya, Jean, A. A., deceased, Chaville, by H. L. L. Johanet, administrator, Versailles, France. Automobile body. 1,961,205; June 5.
- De Vlieg, Charles B., Jackson, Mich., assignor to Associated Patents, Inc., Cincinnati, Ohio. Automatic positioning mechanism. 1,981,224; Nov. 20.
- De Vlieg, Gerard A., Rockford, Ill. Reamer. 1,949,116; Feb. 27.
- De Vlieg, Gerard A., Rockford, Ill. Grinding machine. 1,956,983; May 1.
- Devlin, Henry W., Englewood, Colo. Key cutter. 1,958,235; May 8.
- De Voe, Albert H., Westfield, N. J. Seam for sewed articles and making same. 1,943,300; Jan. 16.
- De Voe, Albert H., Westfield, N. J. Sewing machine. 1,943,301; Jan. 16.
- De Voe, Albert H., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine thread-guide. 1,952,912; Mar. 27.
- De Voe, George E., Grand Rapids, assignor to Winters & Crampton Manufacturing Company, Grandville, Mich. Bumper guard. Des. 92,527; June 19.
- De Voe, William E., Detroit, Mich., assignor to Riley Stoker Corporation, Worcester, Mass. Stoker ash dumping mechanism. 1,941,791; Jan. 2.
- De Vol, James C., Louisville, Ky., assignor, by mesne assignments, to Ferro Enamel Corporation, Cleveland, Ohio. Building construction. 1,983,020; Dec. 4.
- Devon Bakeries, Inc. (See Neuberger, Lester, assignor.)
- Devon Corporation. (See Gerhardt, W. F., and Brock, assignors.)
- De Vore, Ross A., Atlanta, Ga. Reading outfit. 1,983,439; Dec. 4.
- De Vout, Anson W., assignor to Swift and Company, Chicago, Ill. Singeing method and means. 1,975,196; Oct. 2.
- De Vriendt, Charles, Boulogne-Billancourt, France, assignor to Western Electric Company, Incorporated. Program distribution system. 1,974,062; Sept. 18.
- De Vries, Herman E., New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Handle. Des. 94,120; Dec. 25.
- De Vries, Jacob, Racine, Wis. Sterilizer. 1,946,573; Feb. 13.
- De Vries, John. (See McGregor, Allan L., assignor.)
- De Vries, Ralph P., Menands, N. Y. Ferrous alloy. 1,969,705; Aug. 7.
- De Vries, Ralph P., Menands, N. Y. Alloy steel. 1,985,316; Dec. 25.
- De Vries, Reinier P., Melrose, assignor to Revere Sugar Refinery, Boston, Mass. Time period control device. 1,984,302; Dec. 11.
- De Vry, Harry C., Seattle, Wash. Coffee urn. 1,953,291; Apr. 3.
- De Wahl, Arvid R., Minneapolis, Minn. Endless conveyer. 1,985,535; Dec. 25.
- De Waide, Hal, Portland, Ore. Cementable support for wall fixtures. 1,971,396; Aug. 28.
- Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Metal ribbon making device. 1,962,896; June 12.
- De Walt, James C. (See Brautigam, E. L., De Walt, and Misamore.)
- De Walt, Kenneth C., Schenectady, N. Y., assignor to General Electric Company. Nonmicrophonic tube. 1,960,050; May 22.
- De Walt, Kenneth C., Schenectady, N. Y., assignor to General Electric Company. Electron discharge system. 1,980,788; Nov. 13.
- De Walt, Raymond E., Leola, Pa. Massage apparatus. 1,941,665; Jan. 2.
- Dewandre, Albert, Brussels, assignor to Servo-Frein Dewandre Societe Anonyme, Liege, Belgium. Motor brake. 1,968,336; July 31.
- D'Ewart, Jerome F., San Francisco, Calif. Seal ring. 1,952,312; Mar. 27.
- De Wees, Russell J. (See Chappell, Frank W., assignor.)
- De Wees, Russell J., Dallas, Tex. Door fixtures. 1,961,480; June 5.
- De Wein, George F. (See Tubbs, Ira L., assignor.)
- De Wein, George F., Milwaukee, Wis., W. D. Eakin, Hudson, Ohio, and P. C. McNulty, Milwaukee, Wis., assignors of one third to The B. F. Goodrich Company, Akron, Ohio, and two thirds to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Belt. 1,970,509; Aug. 14.
- Dewend, William D., and R. J. Altgelt, South Bend, Ind., assignors to Oliver Farm Equipment Company. Side delivery rake and tedder. 1,967,526; July 24.
- Dewey and Almy Chemical Company. (See Egan, Charles H., assignor.)
- Dewey and Almy Chemical Company. (See Neiley, Stephen B., assignor.)
- Dewey and Almy Chemical Company. (See Tucker, George R., assignor.)
- Dewey, Haywood G., and A. L. Schoen, assignors to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for automatically actuating machines for film backing papers. 1,954,349; Apr. 10.
- Dewey, Henry W. (See Cochran, A. W., and Dewey.)
- Dewey, Ritchie P., assignor to H. D. Colman, Rockford, Ill. Heat control unit. 1,966,336; July 10.
- De Wind, Norman, assignor to The Parsons Co., Newton, Iowa. Pneumatic mounting for excavating machines. 1,950,916; Mar. 13.
- De Wit, John, and E. R. Unglauf, Baltimore, Md. Radio time control. 1,957,632; May 8.
- De Witt, Clyde. (See Wolfe, Ernest H., assignor.)
- De Witt, Edward J., Lake Forest, Ill. Conveyer system. 1,969,122; Aug. 7.
- De Witt, H. P. (See Tatham, Norman, assignor.)
- Dewitt, Jeffery, Insulator Company. (See Stinson, W. L., and Stroup, assignors.)
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Display form or similar article. Des. 93,866; Nov. 20.
- De Witt, William J., assignor to Shoe Form Co. Inc., Auburn, N. Y. Shoe form. 1,963,837; June 19.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Making a hollow display form. 1,981,949; Nov. 27.
- Dexter, Albert J., East Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Testing machine. 1,964,038; June 26.
- Dexter Bishop Co. Inc. (See Rottenberg, Benjamin, assignor.)
- Dexter, Burr T., Middleville, N. Y. Landing net. 1,957,944; May 8.
- Dexter, Carnot B., Tuscaloosa, Ala. Double boiler. 1,974,412; Sept. 25.
- Dexter Folder Company. (See Ehlig, Harry, assignor.)
- Dexter Folder Company. (See Kast, Edward R., assignor.)
- Dexter Folder Company. (See Martin, George A., assignor.)

- Dexter Folder Company. (See McElroy, John H., assignor.)
- Dexter Folder Company. (See Mensman, C. J., and Rader, assignors.)
- Dexter Folder Company. (See Meredith, Ross, assignor.)
- Dexter Folder Company. (See Thickens, Richard E., assignor.)
- Dexter, John R., Marlboro, Mass. Making shoe lasts. 1,979,193; Oct. 30.
- Dexter, John R., and M. C. Chapman, Framingham, Mass. Last. 1,958,334; May 8.
- Dexter, MacDougald, Columbus, Ga. Tobacco pipe. 1,985,365; Dec. 25.
- Dexter, Wallace G., New York, N. Y. Enclosed combined switch and fuse. 1,970,558; Aug. 21.
- De Ybarro, Vincent C., assignor to Patco, Inc., Los Angeles, Calif. Method and apparatus for projecting two or more actions or scenes at the same time. 1,942,748; Jan. 9.
- De Ybarro, Vincent C., assignor to Patco, Inc., Los Angeles, Calif. Tension-operated motion-picture film developing machine. 1,946,841; Feb. 13.
- De Ybarro, Vincent C., assignor to Patco, Inc., Los Angeles, Calif. Talking motion picture apparatus. 1,973,400; Sept. 11.
- Deyes, Herbert S. (See Kessler, F., Deyes, and Scowcroft.)
- Deyhle, Robert, Zurich, Switzerland. Supporting device on skates, roller skates, and the like. 1,944,409; Jan. 23.
- De Young, Ralph, Grand Rapids, Mich. Folding trestle. 1,960,991; May 29.
- De Zoeten, Gijbertus, assignor to N. V. Tot Kewring Van Electrotechnische Materialen, Arnhem, Netherlands. Power factor measurements in high tension cables. 1,975,226; Oct. 2.
- Dhein, Peter J., Pottsville, Pa. Mine car brake. 1,942,806; Jan. 9.
- Diack, Alexander S., Detroit, Mich. Motor vehicle drive mechanism. 1,946,016; Feb. 6.
- Diack, Alexander S., Detroit, Mich. Pneumatic tire construction. 1,979,371; Nov. 6.
- Diack, Alexander S., Detroit, Mich. Vehicle driving means. 1,984,179; Dec. 11.
- Diack, Archibald W., Ann Arbor, Mich. Pyrometer and casing therefor. 1,951,650; Mar. 20.
- Diack, Archibald W., Ann Arbor, Mich. Cigarette and cigar lighter. 1,965,795; July 10.
- Diagonal Corrugated Patent Corporation. (See Wagner, Joshua, assignor.)
- Diamond Alkali Company. (See Elledge, H. G., and Hirsch, assignors.)
- Diamond Alkali Company. (See Windecker, C. N., and Tucker, assignors.)
- Diamond Braiding Mills. (See Berolzheimer, S. M., and Gamble, assignors.)
- Diamond Chain and Manufacturing Company. (See Gallamore, Oliver H., assignor.)
- Diamond Chain and Manufacturing Company. (See Mize, George G., assignor.)
- Diamond, Harry, Washington, D. C., assignor to the Government of the United States represented by the Secretary of Commerce. Twelve-course, aural type, triple modulation directive radiobeacon. 1,961,206; June 5.
- Diamond Iron Works, Inc. (See MacKay, John J., assignor.)
- Diamond, James J., New Rochelle, N. Y., and H. Tinsman and J. Scott, Detroit, Mich., assignors to Ward Baking Company, New York, N. Y. Slicing apparatus and method. 1,973,526; Sept. 11.
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Link belt. 1,945,138; Jan. 30.
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Machine for cutting belt lacer hook cards or holders. 1,964,457; June 26.
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Device for applying belt fasteners and the like. 1,984,634; Dec. 18.
- Diamond Match Company, The. (See Molyneux, Edward J., assignor.)
- Diamond Match Company, The. (See Paridon, Michael, assignor.)
- Diamond Metal Products Company. (See Brownell, Barnett M., assignor.)
- Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
- Diamond Power Specialty Corporation. (See Brelsford, H. E., Thomas, and Snow, assignors.)
- Diamond Power Specialty Corporation. (See Howse, C. L., and Thomas, assignors.)
- Diamond Power Specialty Corporation. (See Snow, Norman L., assignor.)
- Diamond Power Specialty Corporation. (See Snow, N. L., and Howse, assignors.)
- Diamond Power Specialty Corporation. (See Thomas, Willis P., assignor.)
- Diamond Power Specialty Corporation. (See Turner, Charles S., assignor.)
- Dianovszky, John, Passaic, N. J. Selective contact illuminator pen and pencil. 1,947,975; Feb. 20.
- Diaz, Octaviano, New York, N. Y. Camera. 1,971,370; Aug. 28.
- Di Bartolomeo, Francis. (See Rubini, E., and Quartorone, assignors.)
- Di Bartolomeo, Nicola, Brockton, Mass. Elevator apparatus. 1,980,869; May 29.
- Dibble, Claude M., deceased, by Moore Brothers Company, Joliet, Ill., assignee. Flue construction. Re19,102; Mar. 6.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove drawer. 1,941,541; Jan. 2.
- Dibble, Margaret P., New York, N. Y. Face patter. 1,968,789; July 17.
- Di Bella, Charles, Caldwell, N. J. Chair. 1,980,748; Nov. 13.
- Dibner, Abraham B., Peekskill, N. Y. Electrical connector. 1,949,646; Mar. 6.
- Dibner, Abraham B., Peekskill, N. Y. Manufacturing connectors. 1,957,530; May 8.
- Di Bona, Domenick J., New York, N. Y. Alarm system. 1,956,317; Apr. 24.
- Dicalite Company, The. (See Stockton, McKinley, assignor.)
- Di Carlo, Jack, St. Louis, Mo. Curtain bracket. 1,951,969; Mar. 20.
- Dice, Jacob A., Fredericksburg, Va. Knockdown transmission hoist. 1,952,238; Mar. 27.
- Dichter, Jakob, Berlin, Germany. Machine for the manufacture of ampullas and the like glass bodies. 1,962,985; June 12.
- Dichter, Jakob, Schoneberg, Berlin, Germany. Feeding means for glass tube manipulating machines. 1,981,692; Nov. 20.
- Dick, A. B., Company. (See Brasseur, Ernest J., assignor.)
- Dick, Burns. (See Schnell, S., and Dick.)
- Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Liquid pressure mechanism. 1,967,664; July 24.
- Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking apparatus. 1,974,176; Sept. 18.
- Dick, Este L., Great Falls, Mont. Weed extirminator. 1,982,646; Dec. 4.
- Dick, Federico, Monza, Italy. Braiding machine. 1,972,131; Sept. 4.
- Dick, Harold G. (See Carter, R. S., and Dick.)
- Dick, Robert, Bergenfield, N. J., assignor to National Lead Company. Lead bend and the like. 1,977,432; Oct. 16.
- Dicke, Alfred, E., Richter, and D. Schumacher, Berlin, Germany, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Paper spacing device. 1,976,603; Oct. 9.
- Dicke, Oscar H., Rochester, N. Y., assignor to Pioneer Heat Regulator Corporation. Heat regulating system. 1,945,804; Feb. 6.
- Dicke, Oscar H., and N. D. Preston, Rochester, assignors to General Railway Signal Company, Gates, N. Y. Train control. 1,942,138; Jan. 2.
- Dicken, Kurt. (See Bertling, Herbert, assignor.)
- Dickens, Herbert L. (See D'Aoust, E. J., and Dickens.)
- Dickens, Howard G., Thomasville, N. C., assignor to Scott & Williams, Incorporated, New York, N. Y. Two-feed knitting machine. 1,978,344; Oct. 23.
- Dickenson, Alfred E. (See Dickenson, Edwin A., assignor.)
- Dickenson, Edwin A., Aurora, assignor to A. E. Dickenson, Chicago, Ill. Protective device. 1,970,130; Aug. 14.
- Dickerman, Hubert E., Springfield, Mass. Work feeding mechanism. 1,968,479; July 31.
- Dickermann, Harry K., Buffalo, and J. W. McCarthy, Lockport, N. Y., assignors to F. N. Burt Company, Limited, Ontario, Canada. Box machine. 1,957,059; May 1.
- Dickerson, Delbert J., South Gate, Calif. Striping device. 1,944,224; Jan. 23.
- Dickerson, Norvin K., Pickens, S. C. Granular material spreader. 1,981,095; Nov. 20.
- Dickerson, Walker T., Company, The. (See Gordon, Hiram, assignor.)
- Dickey, Edward A., Aliquippa, Pa. Brake mechanism for motor vehicles. 1,947,903; Feb. 20.
- Dickey, Edward A., Aliquippa, Pa. Brake mechanism for motor vehicles. 1,958,236; May 8.
- Dickey, Edward A., Aliquippa, Pa. Brake mechanism for motor vehicles. 1,958,237; May 8.
- Dickey, Edward A., Aliquippa, Pa. Piston expander. 1,979,100; Oct. 30.
- Dickey, Edward T., New York, N. Y., assignor to Radio Corporation of America. Radiocabinet. 1,981,347; Nov. 20.
- Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Carburetor. 1,944,225; Jan. 23.
- Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Carbureting process. 1,958,381; May 8.
- Dickey, Ernest, assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,972,551; Sept. 4.
- Dickey, Paul S. (See Fletcher, J., and Dickey.)
- Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Power amplifying positioning device. 1,962,677; June 12.
- Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Combustion control system. 1,967,988; July 24.
- Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Control for vapor generators. 1,975,085; Oct. 2.

- Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Control for vapor generators. 1,975,086; Oct. 2.
- Dickey, Roy N., Seattle, Wash. Flour sifter. 1,955,847; Apr. 24.
- Dickey, Samuel J., Los Angeles, Calif. Deacidifying gasoline. 1,949,786; Mar. 6.
- Dickhaut, Charles A., Chicago, Ill., assignor to John Waldron Corporation, New Brunswick, N. J. Web tensioning means. 1,952,913; Mar. 27.
- Dickhaut, Charles A., Highland Park, assignor to John Waldron Corporation, New Brunswick, N. J. Roll coating machine. 1,955,414; Apr. 17.
- Dickhaut, Charles A., Highland Park, assignor to John Waldron Corporation, New Brunswick, N. J. Rewinding machine. 1,968,636; July 31.
- Dickhaut, Charles A., and C. C. Willis, New Brunswick, N. J. Coating paper and the like. 1,942,383; Jan. 2.
- Dickie, William A. (See Dreyfus, H., Dickie, and Hale.)
- Dickie, William A. (See Dreyfus, H., Dickie, and Sowter.)
- Dickie, William A., and F. C. Hale, Spondon, near Derby, England, assignors to Celanese Corporation of America. Machine for preparing or spinning yarns or threads. 1,941,666; Jan. 2.
- Dickie, William A., and W. Howarth, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile machinery. 1,947,976; Feb. 20.
- Dickie, William A., L. Latham, and T. H. Platts, Spondon, near Derby, England, assignors to Celanese Corporation of America. Pirm for use in the shuttles of looms for weaving. 1,954,071; Apr. 10.
- Dickie, William A., and R. W. Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and treatment of textile fabrics. 1,958,471; May 15.
- Dickie, William A., and R. W. Moncrieff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile material and making the same. 1,966,440; July 17.
- Dickie, William A., and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of artificial materials. 1,980,191; Nov. 13.
- Dickins, Arthur W. M., and C. R. Fordyce, assignors to Eastman Kodak Company, Rochester, N. Y. Purification of methyl-para-amino phenol. 1,973,472; Sept. 11.
- Dickinson, Albert G. (See Cox, David C., assignor.)
- Dickinson, Arnold C. (See Bogoslawsky, Boris, assignor.)
- Dickinson, Edgar D., Beverly, Mass., assignor to General Electric Company. Governing mechanism for elastic fluid engines. 1,976,659; Oct. 9.
- Dickinson, Edwin A., East Orange, assignor to Gray Processes Corporation, Newark, N. J. Petroleum refining apparatus. 1,979,734; Nov. 6.
- Dickinson, H. Randel. (See Simpson, Ward T., assignor.)
- Dickinson, Harry S., South Bend, Ind., assignor to Oliver Farm Equipment Company. Mower. 1,944,410; Jan. 23.
- Dickinson, Henry R. (See Simpson, W. T., and Bentley, assignors.)
- Dickinson, John T., Seattle, Wash. Smoker's pipe. 1,978,393; Oct. 23.
- Dickinson, Joseph R., New York, assignor of one-half to W. A. Ryan, Brooklyn, N. Y. Lifeboat launching device. 1,943,166; Jan. 9.
- Dickinson, Robert C., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnet for circuit breakers and the like. 1,948,099; Feb. 20.
- Dickman, Sophie B. (See Anderson, Guy B., assignor.)
- Dicks, Kenneth T., Broadlands, Ill. Door badge or funeral insignia. 1,983,742; Dec. 11.
- Dickson, Alexander, Brooklyn, N. Y. Reinforced plastic structure. 1,976,011; Oct. 9.
- Dickson, Charles H. (See Sheffield, W. K., and Dickson.)
- Dickson, Earle E., assignor to Johnson & Johnson, New Brunswick, N. J. Hospital dressing package. 1,967,187; July 17.
- Dickson, John, assignor of one-half to W. F. Prier, Portland, Ore. Lubricating means for journal bearings. 1,976,838; Oct. 16.
- Dickson, John B., assignor to General Motors Research Corporation, Detroit, Mich. Stop light lens. 1,944,154; Jan. 23.
- Dickson, John B., Northampton, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Ski pole grip and ring. 1,961,099; May 29.
- Dickson, John R., Elmira, N. Y. Unitary manifolding set. 1,985,853; Dec. 25.
- Dickson, Richard A. (See Lawson, A. W., and Dickson.)
- Dickson, Thomas A., assignor to Colorado Iron Works Company, Denver, Colo. Ore classifier. 1,984,362; Dec. 18.
- Dickson, William C., Evanston, Ill. Weatherproof nail. 1,984,180; Dec. 11.
- Dickson, William McI., Woodside, Del., assignor to General Chemical Company, New York, N. Y. Insecticide. 1,955,114; Apr. 17.
- Di Cosmo, Pasquale V. (See Deck, H. S., and Di Cosmo.)
- Di Cristoforo, Ralph, Providence, R. I. Check strap for picker sticks. 1,971,813; Aug. 28.
- Dictaphone Corporation. (See Briggs, Leland S., assignor.)
- Dictaphone Corporation. (See Feyrer, William F., assignor.)
- Dictaphone Corporation. (See Johnson, Manfred J., assignor.)
- Dictaphone Corporation. (See Johnson, M. J., and Frykman, assignors.)
- Dictaphone Corporation. (See Lucarelle, J. M., and Renholdt, assignors.)
- Dictaphone Corporation. (See Renholdt, John E., assignor.)
- Dictaphone Corporation. (See Roberts, Henry P., assignor.)
- Dictaphone Corporation. (See Stowell, Leon C., assignor.)
- Dictograph Products Co. (See Koch, Henry, assignor.)
- Lieball, Edward F., assignor to American Wire Fence Company, Chicago, Ill. Tennis net. 1,959,573; May 22.
- Diebold Safe & Lock Company, The. (See Abbott, A. L., and Miller, assignors.)
- Diebold Safe & Lock Company, The. (See Miller, William C., assignor.)
- Diebold Safe & Lock Company. (See Paca, John P., assignor.)
- Diedrich, Paul. (See Dohrn, M., and Diedrich.)
- Diefenbach, Ernst. (See Kränzlein, G., Corell, and Diefenbach.)
- Diefenbach, Otto W., Baltimore, Md. Continuous method of making sheet cellulose tubes. 1,944,970; Jan. 30.
- Dieges & Clust. (See Dieges, Robert T., assignor.)
- Dieges, Robert T., assignor to Dieges & Clust, New York, N. Y. Finger ring and the like. 1,971,213; Aug. 21.
- Dieges, Robert T., assignor to Dieges & Clust, New York, N. Y. Finger ring. 1,983,348; Dec. 4.
- Diehl, Charles, et al. (See Sherrick, Samuel T., assignor.)
- Diehl, Herman H., assignor to The West Virginia Rail Company, Huntington, W. Va. Track construction. 1,958,162; May 8.
- Diehl, Johannes F., Herborn, assignor to Berkenhoff & Drebes A. G., Asslar, near Wetzlar-on-the-Lahn, Prussia, Germany. Apparatus for winding wire on rotary drums. 1,970,995; Aug. 21.
- Diehl, John C., Erie, Pa., assignor to American Meter Company, New York, N. Y. Computing mechanism. 1,956,825; May 1.
- Diehl, John C., Erie, Pa., assignor to American Meter Company, New York, N. Y. Meter apparatus. 1,979,607; Nov. 6.
- Diehl Manufacturing Company. (See Naul, James M., assignor.)
- Diehl, Philip. (See Ebert, Philip J., assignor.)
- Diehl, Walter S., U. S. Navy. Cowling. 1,944,878; Jan. 30.
- Diekmann, Heinrich. (See Beck, G., Weissbach, and Diekmann.)
- Diels, Otto, and K. Adler, Kiel, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Organic compound having hydrogenated ring systems and preparing it. 1,944,731; Jan. 23.
- Diels, Otto, and K. Alder, Kiel, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Compounds having hydrogenated ring systems and preparing them. 1,944,732; Jan. 23.
- Dierner, John A. (See Bucklen, Herbert E., assignor.)
- Dierner, John A., Evanston, assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Pneumatic gauge recharging system. 1,964,253; June 26.
- Dierner, John A., Evanston, and J. E. Gardiner, Chicago, Ill. Means for defrosting cooling element of mechanical refrigerators. 1,942,412; Jan. 9.
- Diepenbrock, Alex J., Bakersfield, Calif. Well bailer. 1,957,100; May 1.
- Diepenbrock, Alex J., Bakersfield, Calif. Well screen. 1,976,217; Oct. 9.
- Diepold, Max, Mosbach, Germany. Broom. 1,971,175; Aug. 21.
- Dierfeld, Benno R., Berlin-Friedenau, Germany. Brake for motor cars. 1,961,207; June 5.
- Dierichs, Alfred, Leverkusen-on-the-Rhine, and L. Weiss, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing acetic anhydride. 1,982,153; Nov. 27.
- Dierichs, Alfred, Leverkusen-on-the-Rhine, and L. Weiss, Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing acetic anhydride. 1,982,154; Nov. 27.
- Dierig, Christian O., Aktiengesellschaft. (See Uhlmann, A., Seidel, and Ronke, assignors.)
- Diering, George B., Albany, assignor of one-half to F. D. Taft, Oakland, Calif. Winding machine. 1,951,187; Mar. 13.
- Diesbach, Fritz G., assignor to Krauth & Benninghofen, Hamilton, Ohio. Casing for an autographic register. Des. 92,593; June 26.
- Diesbach, Fritz G., assignor to Krauth & Benninghofen, Hamilton, Ohio. Manifolding machine. 1,982,606; Nov. 27.
- Diesbourg, Arthur, Kitchener, Ontario, Canada. Liquid container. 1,942,957; Jan. 9.
- Diescher, Alfred J., assignor of one-half to M. L. R. Diescher, Winfield, Kans. Pipe line system for the transportation of natural gas. 1,956,009; Apr. 24.
- Diescher, Alfred J., assignor of one-half to M. L. R. Diescher, Winfield, Kans. Double acting check valve. 1,956,010; Apr. 24.
- Diescher, August P., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Tube-making apparatus. 1,946,933; Feb. 13.

- Diescher, August P., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Mandrel feeding apparatus. 1,964,507; June 26.
- Diescher, August P., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Tube handling apparatus. 1,964,508; June 26.
- Diescher, M. L. R. (See Diescher, Alfred J., assignor.)
- Diescher, Samuel E., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Cross-rolling. 1,951,348; Mar. 20.
- Diescher Tube Mills, Inc. (See Diescher, August P., assignor.)
- Diescher Tube Mills, Inc. (See Diescher, Samuel E., assignor.)
- Diesel, William F., and A. C. Brown, 3d, assignors to Sargent & Greenleaf, Inc., Rochester, N. Y. Locking mechanism. 1,977,471; Oct. 16.
- Dieter, P. W., Inc. (See Dieter, Paul W., assignor.)
- Dieter, Paul W., assignor to P. W. Dieter, Inc., New York, N. Y. Journal bearing. 1,943,167; Jan. 9.
- Dieter, Paul W., assignor, by mesne assignments, to P. W. Dieter, Inc., New York, N. Y. Journal box and bearing structure. 1,963,547; June 19.
- Dieter, Paul W., assignor, by mesne assignments, to P. W. Dieter, Inc., New York, N. Y. Journal box. 1,964,341; June 26.
- Dieter, Paul W., assignor, by mesne assignments, to P. W. Dieter, Inc., New York, N. Y. Bolt. 1,963,516; July 31.
- Dieter, Paul W., assignor to P. W. Dieter, Inc., New York, N. Y. Journal bearing. 1,976,485; Oct. 9.
- Dieter, William, Newark, N. J. Can testing machine. 1,971,065; Aug. 21.
- Dietrich, Albert E., Washington, D. C., assignor of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., and one-fourth to N. Shapiro and one-fourth to S. Shapiro, Chelsea, Mass. Ice cream cone. Des. 92,886; July 31.
- Diethelm, John A. (See Pierson, George, assignor.)
- Dietrich, Carl W., Lancaster, N. Y. Storage battery. 1,958,186; May 8.
- Dietrich, Charles. (See Owen, D. T., and Dietrich.)
- Dietrich, Harold E., assignor to The Visking Corporation, Chicago, Ill. Drying apparatus. 1,976,438; Oct. 9.
- Dietrich, Incorporated. (See Olivier, Jules A., assignor.)
- Dietrich, Jakob, assignor to the firm E. Krebs & Co., Dietlikon, Switzerland. Adjustable strut for stagings. 1,942,088; Jan. 2.
- Dietrich, Louis E. (See Duff, J. D., and Dietrich.)
- Dietrich, Melvin A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Refining mineral oil. 1,960,698; May 29.
- Dietrich, Michael, Rochester, N. Y. Ice dispensing machine. 1,969,594; Aug. 7.
- Dietrichs, Charles, assignor to Walker Cement Products, Inc., Little Ferry, N. J. Mold vibrator. 1,984,363; Dec. 18.
- Dietrichson, William F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Refrigerator car. 1,977,472; Oct. 16.
- Dietz, Albert E., Washington, D. C. Safety automobile tire. 1,982,861; Dec. 4.
- Dietz, Carl F., assignor to Commander-Larabee Corporation, Minneapolis, Minn. Producing flour. 1,974,808; Sept. 25.
- Dietz, Charles, and J. O. Whiteley, York, Pa., assignors to The Dentists' Supply Company of New York. Compound wire. 1,962,859; June 12.
- Dietz, Charles H. (See Wikstrom, Anders E., assignor.)
- Dietz, Ewald. (See Gustin, D. S., and Dietz.)
- Dietz, George E., Louisville, Ky. Automatic lever for furnaces. 1,943,213; Jan. 9.
- Dietz, Herbert J. (See Sheppard, S. E., and Dietz.)
- Dietz, Joseph B., Lansdowne, and E. F. Oeffinger, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Varnish composition and shellac substitute. 1,942,413; Jan. 9.
- Dietze, Eginhard, Westfield, and W. D. Goodale, Jr., East Orange, N. J., assignors to American Telephone and Telegraph Company. Acoustic decimeter. 1,953,157; Apr. 3.
- Dietze, Eginhard, Westfield, N. J., and W. D. Goodale, Jr., Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Ventilator. 1,964,845; July 3.
- Dietze, George E., Pittsburgh, Pa. Container cap construction. 1,980,853; Nov. 13.
- Dietze, Richard, Berlin-Pankow, Germany, assignor to General Electric Company. Recording instrument. 1,967,080; July 17.
- Dietzel, Otto P., Cologne-on-the-Rhine, and E. Ruben, Dusseldorf, Germany. Apparatus for carbonating beverages. 1,967,553; July 24.
- Dietzgen, Eugene, Company. (See Langsner, Adolph, assignor.)
- Dietzler, Andrew J. (See Perkins, R. P., and Dietzler.)
- Dietzler, Andrew J. (See Perkins, R. P., Dietzler, and Burdick.)
- Dietzler, Andrew J. (See Perkins, R. P., Dietzler, and Lundquist.)
- Diez, Julian, Philadelphia, Pa. Safety belt. 1,967,767; July 24.
- Difani, Leonard J., et al. (See Calkins, Leslie B., assignor.)
- Digby, James D., Harmon, assignor to The Cambridge Instrument Company, Inc., Ossining, N. Y. String galvanometer. 1,958,696; May 15.
- Digby, William P. (See Bergstrom, E. M., and Digby.)
- Diggs, Sterling H., and J. M. Page, Jr., Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill. Treating mineral lubricating oils. 1,976,544; Oct. 9.
- Dight, Sydney R., Haslar, Gosport, England, assignor, by mesne assignments, to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland. Automatic feed regulation of liquid into working containers. 1,980,749; Nov. 13.
- Dijksterhuis, Popko K., Eindhoven, Netherlands, assignor to Radio Corporation of America. Cooling means. 1,975,654; Oct. 2.
- Dike, George P., Brookline, assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Hair brush. 1,958,184; May 8.
- Dilex Company. (See Kilgour, Orville C.)
- Dilig, Earl W., Detroit, Mich., assignor to Evans Appliance Company. Pumping and distributing mechanism. 1,971,601; Aug. 28.
- Dilig, Earl W., Detroit, Mich., assignor to Evans Appliance Company. Sealing means for pumps and the like. 1,975,352; Oct. 2.
- Dilig, Earl W., Detroit, Mich., assignor to Evans Appliance Company. Producing bearings. 1,976,058; Oct. 9.
- Dilkes, Howard B. (See Martindell, Frank, assignor.)
- Dilkes, Howard B., Wilmette, Ill. Film holding device. 1,945,481; Jan. 30.
- Dilks, James J., Jr., Philadelphia, Pa. Motion-picture projection method and apparatus. 1,978,250; Oct. 23.
- Dilks, Milford F. (See Mulford, W. A., and Dilks.)
- Dill, Charles M., Manoa, Pa. Frame construction. 1,965,580; July 10.
- Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
- Dill Manufacturing Company, The. (See Tobold, Ewald F., assignor.)
- Dill, Norman A., Belmont, Mass. Sheet metal snap fastener cap. Des. 93,604; Oct. 16.
- Dill, William F., administrator. (See Adams, Ervin, assignor.)
- Dillard, James E., Berkeley, Calif. Tub cover. 1,948,204; Feb. 20.
- Dillenback, Garrett V. V. Jr., Slingerlands, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Scanning device. 1,966,617; July 17.
- Diller, Chester A., Gap, Pa. Garage door operating mechanism. 1,961,283; June 5.
- Dillhoefer, Henry M., Cleveland Heights, Ohio. Container. Re19,118; Mar. 20.
- Dillhoefer, Henry M., Jr., Cleveland Heights, assignor to The Byrne Manufacturing Company, Cleveland, Ohio. Container. 1,952,036; Mar. 20.
- Dilling, Harvey N., Trail, British Columbia, Canada. Stoker for pulverized fuel. 1,943,376; Jan. 16.
- Dilling, Charles E. (See Hart, Herbert H., assignor.)
- Dillingham, Perry A., Asheville, N. C., assignor to Sayles Biltmore Bleacheries, Inc., Biltmore, N. C. Brake for controlling unrolling of cloth. 1,983,440; Dec. 4.
- Dillingham, Ralph, Hart, Mich. Wire bending appliance. 1,956,756; May 1.
- Dillman, Earnest J. (See Eggleston, L. W., and Dillman.)
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Temperature control system. 1,946,842; Feb. 13.
- Dillman, Earnest J., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Control device. 1,949,371; Feb. 27.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control apparatus. 1,980,789; Nov. 13.
- Dillman, Edward E., Dallas, Tex. Tank construction. 1,965,736; July 10.
- Dillon, Albert F., Richmond, Va., assignor to P. Lorillard Company, New York, N. Y. Cigar banding machine. 1,975,450; Oct. 2.
- Dillon, Howard T., Alliance, Ohio, assignor to Garbage Eliminator, Inc. Garbage reducing machine. 1,965,033; July 3.
- Dillon, Robert E., Brookline, H. W. H. Wellington, Dorchester, and A. E. Grant, Wollaston, Mass. Interference prevention device. 1,972,332; Sept. 4.
- Dillon, Stephen V., Tulsa, Okla. Pipe coupling. 1,970,078; Aug. 14.
- Dilthey, Paul. (See Krüner, G., and Dilthey, assignors.)
- Dilts Machine Works, Inc. (See Haskell, J. D., and Prather, assignors.)
- Dilts Machine Works, Inc. (See Prather, Graham P., assignor.)
- Dimmick, Glenn L., Westmont, N. J., assignor to Radio Corporation of America. Electric sound recording. 1,955,378; Apr. 17.
- Dimmick, Glenn L., Westmont, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 1,971,442; Aug. 28.
- Dimmick, Ralph B., Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio. Device for dusting metallic sheets. 1,949,270; Feb. 27.
- "Dimoha". (See Zaschka, Englebert, assignor.)
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Reel and magazine supporting pedestal for motion picture machines. 1,946,674; Feb. 13.
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Driving mechanism for motion picture projectors. 1,949,454; Mar. 6.

- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Fire shutter for motion picture projectors. 1,949,455; Mar. 6.
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Mechanical movement for motion picture machines. 1,949,456; Mar. 6.
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Film threading device for speaking movie machines. 1,949,457; Mar. 6.
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Framing mechanism for motion picture projectors. 1,949,458; Mar. 6.
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Framing mechanism for motion picture projectors. 1,955,379; Apr. 17.
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Lens holder, adjuster, and aligner for motion picture projection machines. 1,957,200; May 1.
- Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Support for motion-picture projector drive shafts. 1,957,201; May 1.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Aperture plate for motion picture projection machines. 1,981,033; Nov. 20.
- Dineen, John J., Lawrence, Mass. Nonskid tire cover. 1,950,048; Mar. 6.
- Dinger, Charles M. (See Simmons, F., and Dinger.)
- Dings, Lloyd M. (See Buss, O. F., Singleton, Dings, and Munz.)
- Dinin, Alfred, Nanterre, France. Storage battery separator. 1,966,237; July 10.
- Dinklage, Raymond R., Glen Ridge, N. J. Anchoring device. 1,978,571; Oct. 30.
- Dinkler, Walter. (See Pier, M., Wissel, and Dinkler.)
- Dinley, Clarence F., assignor to Rex Products & Manufacturing Company, Detroit, Mich. Apparatus for treatment with solvents. 1,942,355; Jan. 2.
- Dinley, Clarence F., Detroit, Mich., assignor to J. H. Bell, Philadelphia, Pa. Apparatus for treatment with solvents. 1,984,364; Dec. 18.
- Dinnick, George M. (See Slack, C. M., and Dinnick.)
- Dinstbir, Howard J., Butler, Pa. Roof structure. 1,943,588; Jan. 16.
- Dinstman, Isidor, Bronx, assignor to Yorke Specialty Corporation, New York, N. Y. Clock. 1,967,227; July 24.
- Dintilhac, Jean G., assignor to Society "Yacco S. A. F.", Paris, France. Thermostatic radiator control. 1,949,009; Feb. 27.
- Dinzl, Richard W., Philadelphia, Pa., assignor to General Motors Corporation, Detroit, Mich. Apparatus for molding plastic material. 1,958,422; May 15.
- Dinzl, Richard W., Drexel Hill, Pa., assignor to Baldwin-Southwark Corporation. Mechanism for operating baling presses. 1,966,378; July 10.
- Dion, Amedee. (See Dion, Bruno and A.)
- Dion, Bruno and A., Ste-Therese de Blainville, Quebec, Canada. Folding apron mechanism for self-feeders. 1,978,014; Oct. 23.
- Dippel, Cornelis J. (See de Boer, J. H., and Dippel.)
- Dippel, Cornelius S., Woodcliff, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Finishes for surfaces. 1,967,295; July 24.
- Dippman, Fred R., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve. 1,944,155; Jan. 23.
- Dirac. (See Rembert, J., and Salvetti, assignors.)
- Dirlenzo, Joseph M., Madison, Wis. Combined windshield wiper and sleet and snow remover. 1,953,703; Apr. 3.
- Dirkes, Carl E., Detroit, Mich. Lubricator structure. 1,958,187; May 8.
- Dirkes, Carl E., Detroit, Mich. Metering control mechanism. 1,971,097; Aug. 21.
- Dirkes, Robert F. (See Wheeler, E. R., and Dirkes.)
- Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Projecting system. 1,960,577; May 29.
- Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph printing system. 1,969,692; Aug. 7.
- Dirkes, Robert F., Jamaica, N. Y., and V. R. Kimball, Palisades Park, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Automatic editing system for controlling printing telegraph machines. 1,951,570; Mar. 20.
- Dirkes, Robert F., Jamaica, N. Y., and V. R. Kimball, Palisades Park, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph transmitting system. 1,954,621; Apr. 10.
- Dirkes, Robert F., Jamaica, and G. I. Roberts, assignors to The Western Union Telegraph Company, New York, N. Y. Tape control for projectors. 1,968,818; Aug. 7.
- Dirkes, Robert F., Jamaica, and G. I. Roberts, assignors to The Western Union Telegraph Company, New York, N. Y. Tape control for projectors. 1,969,297; Aug. 7.
- Dirkes, Robert F., Jamaica, and F. H. Clark, assignors to The Western Union Telegraph Company, New York, N. Y. Optical system for ticker tape projectors. 1,977,120; Oct. 16.
- Dirkes, Robert F., Jamaica, N. Y., and R. Wentworth, Montclair, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Web-controlling mechanism for page projectors. 1,980,324; Nov. 13.
- Di Santo, Joseph, New York, N. Y. Lens grinding machine. 1,973,527; Sept. 11.
- Disbro, Ira R., Lakewood, Ohio, and C. R. Pickell, Raleigh, N. C., assignors to The W. S. Tyler Company, Cleveland, Ohio. Door guide. 1,971,098; Aug. 21.
- Disch, Carl F., West Haven, Conn. Jar cover opener. 1,942,918; Jan. 9.
- Disch, John E., Dolgeville, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,965,631; July 10.
- Disco, Joseph. (See Sims, James E., assignor.)
- Disney, Walt, Productions, Ltd. (See Garity, William E., assignor.)
- Disney, Walter E., Los Angeles, Calif. Animal figure or similar article. Des. 91,988; Apr. 17.
- Disney, Walter E., Los Angeles, Calif. Animal figure or similar article. Des. 91,989; Apr. 17.
- Disney, Walter E., Los Angeles, Calif. Animal figure or similar article. Des. 91,990; Apr. 17.
- Disney, Walter E., Los Angeles, Calif. Animal figure or similar article. Des. 91,991; Apr. 17.
- Disney, Walter E., Los Angeles, Calif. Female child figure or similar article. Des. 92,167; May 8.
- Dispersions Process, Inc. (See Shepard, M. G., and Burns, assignors.)
- Disston, Henry, and Sons, Inc. (See Mellor, William, assignor.)
- Distel, Alfred H., Olten, Switzerland, assignor to Ernst Leitz, Optische Werke, G. m. b. H., Wetzlar, Germany. Electrooptical testing device for acoustic signals and sounds. 1,951,254; Mar. 13.
- Distillers Company Limited, The. (See Eyre, J. V., and Langewell, assignors.)
- Distillers Company Limited, The. (See Joshua, W. P., and Stanley, assignors.)
- Distillers Company Limited, The. (See Joshua, W. P., Stanley, and Dymock, assignors.)
- District of Columbia Paper Manufacturing Company. (See Smith, Daniel A., assignor.)
- Ditchfield, Frank. (See McWilliams, J. P., and Ditchfield.)
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Metal car roof. 1,952,123; Mar. 27.
- Ditges, William L., Pittsburgh, Pa., assignor to Mackintosh-Hemphill Company. Rolling mill connector. 1,985,405; Dec. 25.
- Ditisheim, Paul, Paris, France. Manufacturing bimetallic appendices for monometallic balances. 1,982,726; Dec. 4.
- Ditmair, Rudolf, Graz, Steiermark, Austria, assignor by mesne assignments, to R. H. Koppel, Aachen, Germany. Manufacture and production of porous rubber. 1,981,722; Nov. 20.
- Ditmars, John R. (See Boyce, Charles M., assignor.)
- Dittman, William F. (See Fear, H. J., and Dittman.)
- Dittmann, Theodor, Neumunster, Germany, assignor by mesne assignments, to The Heinecke Company, Inc., New York, N. Y. Producing multicolor prints and printing plates therefor. 1,978,784; Oct. 30.
- Dittmer, Joseph C., St. Albans, N. Y., assignor to National Lead Company. Treatment of alloys. 1,976,333; Oct. 9.
- Ditto, Incorporated. (See Blomberg, Ulrik I. T.)
- Ditto, Incorporated. (See Duncan, James K., assignor.)
- Ditto Incorporated. (See Duncan, J. K., and Henderson.)
- Ditto, Incorporated. (See Duncan, J. K., and Johnson.)
- Ditto Inc. (See Duncan, J. K., and Weide, assignors.)
- Ditto, Incorporated. (See Duncan, J. K., Whitehead, and Shepherd, assignors.)
- Ditto, Incorporated. (See Henderson, Kenneth M., assignor.)
- Ditto, Incorporated. (See Jagger, Hubert, assignor.)
- Ditto, Incorporated. (See Johnson, Clifford N., assignor.)
- Ditto Incorporated. (See Lorentzen, Hans K., assignor.)
- Ditto, Incorporated. (See Marche, Alfred, assignor.)
- Ditto, Incorporated. (See Shepherd, Nathaniel T., assignor.)
- Ditto Incorporated. (See Wagner, Ludwig W., assignor.)
- Ditto, Incorporated. (See Weide, Rudolph, assignor.)
- Ditto, Marvin W., assignor to Gas Fuel Corporation, New York, N. Y. Gas making with emulsified fuel. 1,970,996; Aug. 21.
- Dival, Edgar F., Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del. Can with pouring spout. 1,966,887; July 17.
- Dival, Edgar F., Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del. Can. 1,985,721; Dec. 25.
- Diver, De Forest, Middletown, N. Y. Cushioning device. 1,963,891; June 19.
- Divers, William K., administrator. (See Tuchfarber, Frank.)
- Divina, John W., Weston, Mo. Insecticide spraying device. 1,955,228; Apr. 17.
- Dix, Arthur, Maricopa, and W. C. Barnes, Taft, Calif. Rotary jar. 1,970,362; Aug. 14.
- Dix, Clarence A., Toledo, Ohio. Metal reshaping machine. 1,951,275; Mar. 13.
- Dix, Edgar H., jr., Oakmont, Pa., and L. W. Kempf, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Heat treatment of aluminum-magnesium alloys. 1,945,737; Feb. 6.
- Dix, Howard W. (See Pinaud, John A., assignor.)
- Dixie Manufacturing Company. (See Steere, William J., assignor.)
- Dixon, Alfred, et al. (See Pirrone, Antonio L., assignor.)

- Dixon, Clell W., Corydon, Iowa. Water supply shut-off. 1,968,517; July 31.
- Dixon, Earl M., and F. Konicek, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing electrical devices. 1,967,296; July 24.
- Dixon, Edna L., Baltimore, Md. Educational device. 1,980,750; Nov. 13.
- Dixon, Elmer M., Detroit, Mich. Static eliminator and stabilizer. 1,959,906; May 22.
- Dixon, Enslo S., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for cracking hydrocarbon oils. 1,950,786; Mar. 13.
- Dixon, H. L., Company. (See Porter, Samuel A., assignor.)
- Dixon, Harry E., et al. (See Harrell, C., Bates, and Dixon.)
- Dixon, Howard F., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Hub brake. 1,968,810; Aug. 7.
- Dixon, Howell N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 1,975,653; Oct. 2.
- Dixon, John W., and P. A. Filer, assignors of one-third to F. M. and B. Compton, Waco, Tex. Supporting fabrication for tents. 1,969,260; Aug. 7.
- Dixon, Joseph, Crucible Company. (See Camagni, Jean M., assignor.)
- Dixon, Joseph, Crucible Company. (See Van Dorn, Horace B., assignor.)
- Dixon, Lawrence F. (See Gross, P. M., and Dixon.)
- Dixon, Leslie J. (See Henderson, W. F., and Dixon.)
- Dixon, Leslie J., Corpus Christi, Tex. Drill bit. 1,950,101; Mar. 6.
- Dixon, Paul H., Springfield, Ill. Weaving attachment for stitch-forming machine. 1,957,633; May 8.
- Dixon, Reginald G., assignor to Siemens Brothers & Company Limited, London, England. Telephone system. 1,951,134; Mar. 13.
- Dixon, Robert, et al. (See Pirrone, Antonio L., assignor.)
- Dixon, Thomas, et al. (See Pirrone, Antonio L., assignor.)
- Dixon, Thomas J., Chicago, Ill. Game apparatus. 1,946,616; Feb. 13.
- Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Machine for infolding and creasing blanks. 1,979,872; Nov. 6.
- Dixon, Walter L., Boston, Mass., and J. H. Pikul, Troy, N. Y., assignors to Reece Folding Machine Company, Boston, Mass. Infolding machine. 1,949,411; Mar. 6.
- Dixon, Harry, assignor to Rolscreen Company, Pella, Iowa. Rollscreen unit. 1,963,404; June 19.
- Dixon, Harry, assignor to Rolscreen Company, Pella, Iowa. Roll screen assembly. 1,974,645; Sept. 25.
- Di Zoppola, Mario, assignor to Mario di Zoppola & Company Inc., New York, N. Y. Bulkhead and sea-wall structure. 1,942,163; Jan. 2.
- Di Zoppola, Mario, & Company Inc. (See Di Zoppola, Mario, assignor.)
- Djordjevitich, Jesdimir. (See von Becker, R., and Djordjevitich.)
- Dmitrieff, Alexis E. (See Briquet, C. G. J., and Dmitrieff.)
- Doan, Gilbert E., Bethlehem, Pa. Welding electrode. 1,967,872; July 24.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Dust cover for reflectors. 1,945,738; Feb. 6.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Adjustable bracket for lamps. 1,945,739; Feb. 6.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Indirect lighting fixture. 1,956,375; Apr. 24.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,959,819; May 22.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,966,583; July 17.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lamp. 1,974,063; Sept. 18.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lamp and fixture parts. 1,975,833; Oct. 9.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture for ultra-violet and incandescent lamps. 1,976,545; Oct. 9.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting appliance. 1,977,378; Oct. 16.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting appliance. 1,978,251; Oct. 23.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Convertible floor lamp. 1,982,203; Nov. 27.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,982,204; Nov. 27.
- Doane, Leroy C., and H. H. Wolter, assignors to The Miller Company, Meriden, Conn. Shade for lighting fixtures. 1,975,197; Oct. 2.
- Dobbelmann, Emile, and J. C. Eide, Minneapolis, Minn. Apparatus for cleaning beer coils or other pipes. 1,979,147; Oct. 30.
- Dobben, Pieter W., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electric discharge tube. 1,983,743; Dec. 11.
- Dobbin, Charles, Brooklyn, N. Y. Mail chute. 1,979,796; Nov. 6.
- Dobbins, George E., Philadelphia, Pa. Fastening device for securing the head of a hammer, hatchet, or the like. 1,947,832; Feb. 20.
- Dobbs, Albert R., East Detroit, Mich. Tire chain. 1,968,811; Aug. 7.
- Dobbs, Arthur E., Miami, Fla. Carbureting system. 1,972,874; Sept. 11.
- Dobackman Company, The. (See Becker, Logan A., assignor.)
- Dobie, Harry O., Superior, Wis. Foldable table. 1,976,839; Oct. 16.
- Dobie, Abner, Berkeley, Calif. Coil winder and winding a coil. 1,954,802; Apr. 17.
- Dobie, Abner, Berkeley, Calif. Boiler control system. 1,955,274; Apr. 17.
- Dobie, Abner, Thames, New Zealand. Boiler cleaner. 1,954,803; Apr. 17.
- Dobie, Blanche L., et al. (See Corbett, Lawrence W., assignor.)
- Doble Engineering Company. (See Doble, Frank C., assignor.)
- Doble, Frank C., Cambridge, assignor to Doble Engineering Company, Medford Hillside, Mass. Apparatus for testing insulating values. 1,945,263; Jan. 30.
- Doble Steam Motors, Ltd. (See Besler, William J., assignor.)
- Doble Steam Motors Ltd. (See Schlobohm, Ludwig, assignor.)
- Doble, Warren, Emeryville, Calif. Normalizer control. 1,951,349; Mar. 20.
- Doble, Warren, Emeryville, Calif. Flash boiler control. 1,951,350; Mar. 20.
- Doble, Warren, Emeryville, Calif. Control. 1,951,351; Mar. 20.
- Doble, Warren, Emeryville, Calif. Valve. 1,954,804; Apr. 17.
- Doble, Warren, Berkeley, Calif. Feed fluid controller. 1,951,352; Mar. 20.
- Doble, William A., jr., Berkeley, Calif. Carburetor. 1,973,751; Sept. 18.
- Doble, William H., et al. (See Corbett, Lawrence W., assignor.)
- Doble, William H., West Harwich, Mass. Apparatus for building up shore land and beaches. 1,969,123; Aug. 7.
- Dobler, Erich. (See Manzel, F., and Dobler.)
- Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Flush valve. 1,964,111; June 26.
- Dobro Corporation. (See Stimson, Arthur J., assignor.)
- Dobson, Richard, Rio de Janeiro, Brazil. Automatic shuttle changing loom. 1,950,842; Mar. 13.
- Dobson, Thomas A., et al. (See Ulthoff, Richard D., assignor.)
- Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Company, New York, N. Y. Typewriting machine. 1,954,472; Apr. 10.
- Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,962,177; June 12.
- Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,974,041; Sept. 18.
- Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,981,348; Nov. 20.
- Dobyne, Stevenson A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Leather splitting machine. 1,962,486; June 12.
- Dobyne, Stevenson A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Edge setter. 1,976,334; Oct. 9.
- Dobyne, Stevenson A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Shoe finishing machine. 1,982,592; Nov. 27.
- Dock, Herman, deceased, Guadalajara, Mexico, by C. L. Moyer, Merion, and I. H. Mirkil, and Fidelity-Philadelphia Trust Company, Philadelphia, Pa., executors. Reciprocating valve. 1,983,744; Dec. 11.
- Dodd, Arthur E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,962,236; June 12.
- Dodd, S. Mark, et al. (See Kunzelman, John R., assignor.)
- Dodds, Ethan I., jr., Central Valley, N. Y., assignor to The Midland Company, South Milwaukee, Wis. Side door hanger. 1,981,906; Nov. 27.
- Dodds, Harvey E., assignor to Harvey E. Dodds Limited, Toronto, Ontario, Canada. Ski binding. 1,976,335; Oct. 9.
- Dodds, Harvey E., Limited. (See Dodds, Harvey E., assignor.)
- Dodds, James A., San Francisco, Calif. Storage battery. 1,977,506; Oct. 16.
- Dodds, Ralph J., Chicago, Ill. Automatic tuning device for radioreceivers. 1,972,921; Sept. 11.
- Dodds, Robert P., assignor to W. & L. E. Gurley, Troy, N. Y. Recorder. 1,966,543; July 17.
- Dodge, Adiel Y., South Bend, Ind. Variable speed transmission. 1,948,847; Feb. 27.
- Dodge, Adiel Y., South Bend, Ind. Mass inertia transmission. 1,949,042; Feb. 27.
- Dodge, Adiel Y., South Bend, Ind. Transmission. 1,959,349; May 22.
- Dodge, Adiel Y., South Bend, Ind. Electric lamp. 1,961,964; June 5.

- Dodge, Adiel Y., South Bend, Ind. Variable speed transmission. 1,978,416; Oct. 30.
- Dodge, Adiel Y., South Bend, Ind. Reversible reactance clutch. 1,983,123; Dec. 4.
- Dodge, Adiel Y., South Bend, Ind. Electric switch. 1,983,124; Dec. 4.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,946,063; Feb. 6.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,946,065; Feb. 6.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Automobile control mechanism. 1,950,976; Mar. 13.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,960,529; May 29.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,961,554; June 5.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,965,692; July 10.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,398; July 24.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,970,845; Aug. 21.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,971,602; Aug. 28.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,974,562; Sept. 25.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,974,563; Sept. 25.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,974,809; Sept. 25.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,976,059; Oct. 9.
- Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,976,060; Oct. 9.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,978,698; Oct. 30.
- Dodge, Adiel Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,978,699; Oct. 30.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Forming conduits. 1,981,950; Nov. 27.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,982,798; Dec. 4.
- Dodge, Adiel Y., and H. R. Tear, assignors to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,961,553; June 5.
- Dodge, Adiel Y., and H. R. Tear, assignors to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,972,132; Sept. 4.
- Dodge, F. W., Corporation. (See Williams, Chauncey L., assignor.)
- Dodge, George W. (See Bebie, E. W., and Dodge.)
- Dodge, Harry C., Jacksonville, Fla., and G. H. Nobbs, Carlisle, Mass.; said Nobbs assignor to said Dodge. Socket fixture. 1,966,379; July 10.
- Dodge, Harry H., Troy, assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y. Sectional manifold. 1,941,466; Jan. 2.
- Dodge, Harry H., Troy, assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y. Gas burner. 1,962,237; June 12.
- Dodge, Harry H., Troy, assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y. Burner. 1,964,872; July 3.
- Dodge, Harry H., Troy, assignor by mesne assignments, to Hoguet & Neary, New York, N. Y. Gas burner. 1,981,349; Nov. 20.
- Dodge, Harry H., assignor to J. H. McCormick & Co., Williamsport, Pa. Electric contact device for automatic operation of mechanisms. 1,985,340; Dec. 25.
- Dodge, Harry H., and J. W. Foresman, assignors to J. H. McCormick & Co., Williamsport, Pa. Circuit breaker. 1,950,049; Mar. 6.
- Dodge, Henry A., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,949,532; Mar. 6.
- Dodge, Howard M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for filling lubricant cavities in wheels and method therefor. 1,969,167; Aug. 7.
- Dodge, Howard M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacturing sponge rubber strips. 1,978,041; Oct. 23.
- Dodge, James W., Schenectady, N. Y., assignor to General Electric Company. Control of power transferring apparatus. 1,955,539; Apr. 17.
- Dodge, John H., Worcester, Mass. Car mover. 1,985,317; Dec. 25.
- Dodge, John H., and C. J. Ekman, assignors to H. R. Sinclair and J. H. Dodge, Worcester, and L. C. Smith, Newton Center, Mass., trustees. Sleeve twister. 1,950,229; Mar. 6.
- Dodge, John H., et al., trustees. (See Dodge, J. H., and Ekman, assignors.)
- Dodge Manufacturing Corporation. (See Evanburgh, Ralph L., assignor.)
- Dodge, Merton L., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Can body shaping machine. 1,962,269; June 12.
- Dodge, Merton L., and P. E. Pearson, Seattle, Wash., assignors to Continental Can Company, Inc., New York, N. Y. Can body forming machine. 1,966,380; July 10.
- Dodge, Merton L., Seattle, Wash., and E. Laxo, Oakland, Calif., assignors to Continental Can Company, Inc., New York, N. Y. Trimmer and splitter. 1,985,820; Dec. 25.
- Dodge, Milo C., Auburn, N. Y. Composite cordage or twine. 1,981,312; Nov. 20.
- Dodge, Milo C., assignor to Columbian Rope Company, Auburn, N. Y. Paper wire rope center. 1,944,786; Jan. 23.
- Dodge, Milo C., assignor to Columbian Rope Company, Auburn, N. Y. Insulating material for cable coverings. 1,961,845; June 5.
- Dodge, Milo C., assignor to Columbian Rope Company, Auburn, N. Y. Antiskid device. 1,963,939; June 19.
- Dodge, Parker, Chevy Chase, Md., assignor to The New York Air Brake Company. Slack take-up and force multiplier for hydraulic brakes. 1,953,511; May 15.
- Dodge, Paul E., Detroit, Mich. Cutting and welding apparatus. 1,978,042; Oct. 23.
- Dodge, Ralph L., J. L. Collins, and H. R. Lietzke, assignors to New Process Gear Company, Inc., Syracuse, N. Y. Change-speed transmission gearing. 1,951,651; Mar. 20.
- Dodge, Sherwood O., Medford, and R. C. Newton, Needham Heights, assignors to H. F. Livermore Co., Allston, Mass. Knife for thread-cutting templets. 1,981,723; Nov. 20.
- Dodge, Stephen W., jr., Glen Ridge, N. J., assignor to Radio Corporation of America. Electron discharge device. 1,980,937; Nov. 13.
- Dodge, Waldo E., Longview, Wash. Beater washer. 1,981,542; Nov. 20.
- Dodge, William W., jr., Asheville, N. C. Bowl or similar article. Des. 91,402; Jan. 23.
- Dodgem Corporation. (See Markey, Fred L., assignor.)
- Dodgson, Frank L., assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. Re19,323; Sept. 25.
- Dodginton, Samuel P., Cardiff, Wales. Stiffening device for maintaining the creases in trousers. 1,981,784; Nov. 20.
- Dods, Henry J. (See Vancil, E. D., and Dods.)
- Dodson, Edward, London, England. Power jet timing mechanism. 1,951,927; Mar. 20.
- Doe, Harry V., Salem, Oreg. Telescope mounting. 1,974,016; Sept. 18.
- Doeg, Ralph W., assignor to Kelvinator Corporation, Detroit, Mich. Controller. 1,948,339; Feb. 20.
- Doeg, Ralph W., assignor to Kelvinator Corporation, Detroit, Mich. Controller. 1,956,061; Apr. 24.
- Doeg, John W., Cedar Rapids, Iowa. Wrench. 1,976,279; Oct. 9.
- Doehler Die Casting Co. (See Morin, Louis H., assignor.)
- Doelling, George L. (See Bebie, J., and Doelling.)
- Doelling, George L., assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid composition. 1,960,298; May 29.
- Doemling, John C., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,340; Apr. 3.
- Doering, Albert, Waterloo, Wis. Peat machine. 1,949,146; Feb. 27.
- Doering, Charles and H., Chicago, Ill. Receptacle cleansing machine. 1,960,530; May 29.
- Doering, Henry. (See Doering, Charles and H.)
- Doering, Ulrich J. (See Spanner, H. J., and Doering.)
- Doerner, Henry A., et al. (See Maier, Charles G., assignor.)
- Doerr, Edward A., Toledo, Ohio. Boiler economizer. 1,951,752; Mar. 20.
- Doerr, Harry E., St. Louis, Mo. Wheel. 1,960,299; May 29.
- Doerr, Harry E., St. Louis, Mo. Wheel. 1,960,300; May 29.
- Doerr, Harry E., St. Louis, Mo. Wheel. 1,960,301; May 29.
- Doerr, Harry E., St. Louis, Mo. Wheel. 1,960,302; May 29.
- Doerr, Harry E., St. Louis, Mo. Counter-balance for locomotive drive wheel centers. 1,976,546; Oct. 9.
- Doerschuk, Victor C., and E. G. Schoeffel, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa. Siphoning metal. 1,944,733; Jan. 23.
- Doerseln, Paul. (See Adler, J., and Doerseln.)
- Doherty-Brehm Company. (See Doherty, George D., assignor.)
- Doherty, George D., assignor to Doherty-Brehm Company, Minneapolis, Minn. Air humidifier. 1,944,411; Jan. 23.
- Doherty, Henry L. (See Loebell, Henry O., assignor.)
- Doherty, Henry L. (See Loebell, H. O., and Klees, assignors.)
- Doherty, Henry L., assignor to Doherty Research Company, New York, N. Y. Internal combustion engine. 1,983,971; Dec. 11.
- Doherty, Henry L., assignor to Doherty Research Company, New York, N. Y. Distilling oils. 1,984,522; Dec. 18.
- Doherty, James W., assignor to B. F. Sturtevant Company, Hyde Park, Mass. Drying kiln. 1,954,239; Apr. 10.
- Doherty, John, Bethlehem, Pa. Clothesline reel and sheave. 1,974,485; Sept. 25.

- Doherty Research Company. (See Brandt, David G., assignor.)
- Doherty Research Company. (See Burke, Stephen P., assignor.)
- Doherty Research Company. (See Doherty, Henry L., assignor.)
- Doherty Research Company. (See Fisher, James P., assignor.)
- Doherty Research Company. (See Gordon, Philip C., assignor.)
- Doherty Research Company. (See Morgan, John D., assignor.)
- Doherty Research Company. (See Space, James A., assignor.)
- Doherty Research Company. (See Workman, Arnold R., assignor.)
- Doherty, W. T. (See Lynch, Harry E., assignor.)
- Dohm, Robert O., Dane, Wis. Lawn mower. 1,969,211; Aug. 7.
- Dohm, Robert O., Dane, Wis. Lawn-mower clutch. 1,984,966; Dec. 18.
- Dohner, Burt E., Oakland, Ohio. Compression coupling. 1,983,840; Dec. 11.
- Dohrn, Max. (See Schoeller, W., Dohrn, and Goebel.)
- Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug, near Spandau, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Chelidamic acid derivative. 1,944,412; Jan. 23.
- Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug, near Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Hydroxy-3,5-di-iodo pyridine-2-carboxylic acid. 1,950,543; Mar. 13.
- Dohse, Hans, Heidelberg, and C. Schuster, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of 1,3,5-trimethyl benzene. 1,977,178; Oct. 16.
- Doino, Carmine, Brooklyn, N. Y. Motion picture controlling apparatus. 1,957,202; May 1.
- Doisy, Edward A., Webster Groves, assignor to president and board of trustees of St. Louis University, St. Louis, Mo. Hormone and obtaining the same. 1,967,351; July 24.
- Doisy, Edward A., Webster Groves, S. A. Thayer, St. Louis, Mo., and C. D. Veler, Bowling Green, Ohio, assignors to president and board of trustees of St. Louis University, St. Louis, Mo. Hormone and obtaining the same. 1,967,350; July 24.
- Dolan & Büllock. (See Carlson, Oscar, assignor.)
- Dolan, David J., Cleveland Heights, Ohio. Multiple cylinder engine construction. 1,949,043; Feb. 27.
- Dolan, David J., Cleveland Heights, Ohio. Internal combustion engine. 1,955,056; Apr. 17.
- Dolan, David J., Cleveland Heights, assignor to The Cardel Company, Inc., Chester, Pa. Temporary engine control. 1,962,483; June 12.
- Dolan, David J., and F. R. Higley, Cleveland Heights, Ohio, assignors to The Cardel Company, Inc., Chester, Pa. Temporary engine control. 1,962,434; June 12.
- Dolan, Frank J., Brooklyn, assignor to Joseph M. Price, New York, N. Y. Paper container. 1,958,472; May 15.
- Dolan, Frank J., Brooklyn, assignor to J. M. Price, New York, N. Y. Box. 1,964,175; July 3.
- Dolan, John, Ford's, N. J. Portable beverage container. 1,954,728; Apr. 10.
- Dolbier, Charles M., assignor to C. D. Lander, Kingfield, Maine. Oil depth gauge-rod wiper and closure therefor. 1,947,833; Feb. 20.
- Dolder, Henri, assignor to firm Societe Alsacienne de Constructions Mécaniques, Mulhouse Haut-Rhin, France. Combing machine. 1,970,648; Aug. 21.
- Dole, Myron W., Belmont, Mass. Compound steam engine. 1,962,986; June 12.
- Dole, Paul. (See Kruse, Edward H., assignor.)
- Dole Refrigerating and Machine Company. (See Kleist, Herman W., assignor.)
- Doleman, James, Oldham, assignor of one-fourth to J. Fletcher, Ashton-under-Lyne, one-fourth to J. Beesley, and one-fourth to S. Street, Mossley, England. Coffin. 1,975,198; Oct. 2.
- Dolge, Arthur H., Westport, Conn. Bottle. Des. 91,295; Jan. 2.
- Dolge, C. B., Company, The. (See Weirich, Clarence L., assignor.)
- Dolgoff, Wladimir, Paris, France. Induction motor. 1,968,996; Aug. 7.
- D'Olive, Charles R. (See Iddings, R. C., and D'Olive.)
- Doll, Jacob A., Mount Wolf, Pa. Individual wrapping of cigars. 1,980,913; Nov. 13.
- Dollin, Edgar N. (See Waltz, Anton F., assignor.)
- Dollin, Edgar N., Long Island, and B. F. Waddell, Jackson Heights, assignors to National Gas Range Corporation, New York, N. Y. Burner. 1,945,934; Feb. 6.
- Dolmage, Mihan M., Washington, D. C. Negative impedance. 1,969,836; Aug. 14.
- Dolmatch, Aaron, Dover, N. J. Syringe. 1,959,411; May 22.
- Dolph, Norman L., et al. (See Cruise, Gerald V., assignor.)
- Dolza, John. (See Almen, J. O., and Dolza.)
- Dolza, John, Flint, assignor to General Motors Corporation, Detroit, Mich. Roller type transmission control. 1,983,745; Dec. 11.
- Dolza, John, and D. D. Stone, Flint; said Dolza assignor to General Motors Corporation, Detroit, Mich. Groove for main bearings. 1,948,340; Feb. 20.
- Doman, Albert E., assignor to Owen-Dyneto Corporation, Syracuse, N. Y. Voltage regulator. 1,957,393; May 1.
- Doman, Albert E., Elbridge, K. H. Bowen, and F. H. Gleason, assignors to Bowen Products Corporation, Auburn, N. Y. Thermostatic heat regulator. 1,943,656; Jan. 16.
- Doman, Albert E., and G. B. Sayre, Syracuse, N. Y., assignors, by mesne assignments, of one-half to W. H. Anderson and one-half to F. J. Trippensee, Detroit Mich. Outboard motor. 1,966,381; July 10.
- Doman, John P., Los Angeles, Calif. Folding board. 1,982,205; Nov. 27.
- Domina, Georg. (See Peters, C., and Domina.)
- Domina, Georg, Berlin, Germany, assignor to Cement Gun Company. Apparatus for backfilling and the like. 1,943,589; Jan. 16.
- Domina, Georg, Berlin, Germany, assignor to Cement-Gun Company, Inc. Pipe bend. 1,960,412; May 29.
- Domina, Georg, Berlin, Germany, assignor to Cement-Gun Company, Inc. Double-chamber back-filling apparatus with automatic control. 1,979,320; Nov. 6.
- Domination Distilleries Inc. (See Simon, Clarence K., assignor.)
- Domination Engineering Works Limited. (See Berlyn, Martin J., assignor.)
- Domination Engineering Works Limited. (See Malkin, Bernard A., assignor.)
- Domination Engineering Works Limited. (See Van Patter, H. S., and McKean, assignors.)
- Domination Engineering Works Limited. (See Welsford, H. G., and Russell, assignors.)
- Domination Truck Equipment Co. Limited. (See Gurton, W. S., Flint, and Nyberg, assignors.)
- Domke, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,973,976; Sept. 18.
- Domler, Charles A., assignor to The Hadley Company, Inc., Providence, R. I. Bracelet connector. 1,966,063; July 10.
- Domzalski, Casimir A., et al. (See Ballew, Frank, assignor.)
- Donadei, Joseph, Los Gatos, Calif. Trap. 1,981,785; Nov. 20.
- Donahoe, John A., assignor to Donahoe's Inc., Pittsburgh, Pa. Trimming hams. 1,959,022; May 15.
- Donahoe's Inc. (See Donahoe, John A., assignor.)
- Donahue, John V., Kokomo, Ind., assignor to United States Gypsum Company, Chicago, Ill. Lock corner shingle. 1,943,953; Jan. 16.
- Donahue, Joseph F., Edgewood, R. I. Garment stay securing means. 1,951,236; Mar. 13.
- Donald, Archibald, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,962,178; June 12.
- Donaldson, Alfred S., Newark, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del. Silhouette ornamentation on articles of manufacture. 1,950,230; Mar. 6.
- Donaldson, Alfred S., Newark, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del. Ornamentation of toilet articles. 1,963,892; June 19.
- Donaldson, Alfred S., Newark, N. J., and R. M. Slipp, Leominster, Mass., assignors to Dupont Viscoloid Company, Wilmington, Del. Attaching means for ornamental devices. 1,950,231; Mar. 6.
- Donaldson, Charles A., San Antonio, Tex. Echo altimeter. 1,977,875; Oct. 23.
- Donaldson Company. (See Lowther, Wilfred W., assignor.)
- Donaldson Company, Inc. (See Schulz, William H., assignor.)
- Donaldson Company, Inc., et al. (See Worthington, Wayne H., assignor.)
- Donaldson, John S., New York, N. Y. Shaping machine. 1,971,297; Aug. 21.
- Donaldson, Robert R., jr., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Control system for furnaces. 1,961,343; June 5.
- Donart Products Company. (See Reep, James D., assignor.)
- Donath, Erika, Meissen, Germany. Round game. 1,952,540; Mar. 27.
- Donath, Ernst. (See Pier, M., and Donath.)
- Donath, Maximilian. (See Sorescu, S., Donath, and Trauschka.)
- Donauer, Max, Arlington, N. J., assignor to The Koppers Company of Delaware. Manufacture and separation of thiourea from ammonium thiocyanate. 1,949,738; Mar. 6.
- Dondelinger, Nicholas, Fostoria, Ohio. Truss. 1,948,785; Feb. 27.
- Doner, Sherman R., P. H. Stevenson, and D. M. Tiller, Denver, Colo. Ore concentrating device. 1,976,840; Oct. 16.
- Donkin, Alfred. (See Christie, J., and Donkin.)
- Donkin, Julia. (See Donkin, William L., assignor.)
- Donkin, William L., assignor to J. Donkin, Longmont, Colo. Air inflating device. 1,978,345; Oct. 23.
- Donlarm Limited. (See Stave, Cecil H., assignor.)
- Donle, Harold P. (See Hogan, J. V. L., and Donle.)
- Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc., New York, N. Y. Television method and apparatus. 1,957,101; May 1.

- Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc., New York, N. Y. Television method and apparatus. 1,961,632; June 5.
- Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc. Television scanning system. 1,969,456; Aug. 7.
- Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc. Television. 1,980,155; Nov. 6.
- Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc. Television method and apparatus. 1,984,336; Dec. 11.
- Donley, Bartrum G., assignor to Four Wheel Drive Auto Company, Clintonville, Wis. Steering and driving axle. 1,959,859; May 22.
- Donley Brothers Company, The. (See Helmer, Daniel, assignor.)
- Donley, Harold B., assignor to Columbus Metal Products Inc., Columbus, Ohio. Coal burning stoker. 1,954,072; Apr. 10.
- Donnelley, R. R., & Sons Co. (See Ackley, Raymond E., assignor.)
- Donnelley, R. R., & Sons Co. (See Alger, Harley C., assignor.)
- Donnelley, R. R., & Sons Co. (See Easton, Robert D., assignor.)
- Donnelley, Robert B., Chicago, and J. F. Hawley, Oak Park, Ill. Machine for cutting printed wrappers. 1,946,457; Feb. 6.
- Donnelly, Edward J., Everett, Mass. Thermostatic radiator valve. 1,984,402; Dec. 18.
- Donnelly, Hugh B., Tarentum, Pa. Quilting frame. 1,949,533; Mar. 6.
- Donnelly, James M. (See Shaw, J. F., and Donnelly.)
- Donnelly, James M. (See Shaw, J. F., Donnelly, and Johnston.)
- Donnelly-Jenkins Company. (See Smith, A. D., and Perl, assignors.)
- Donnelly, John H., Baltimore, Md. Dispenser closure. 1,971,371; Aug. 28.
- Donnelly, Joseph F., Lemont, assignor to Donnelly Process Corporation, Chicago, Ill. Apparatus for the conversion of hydrocarbon oils. 1,957,945; May 8.
- Donnelly, Joseph F., Lemont, assignor to Donnelly Process Corporation, Chicago, Ill. Conversion of hydrocarbon oils. 1,957,946; May 8.
- Donnelly, Joseph F., Lemont, assignor to Donnelly Process Corporation, Chicago, Ill. Combined fluid controlling and temperature measuring device. 1,978,992; Oct. 30.
- Donnelly Process Corporation. (See Donnelly, Joseph F., assignor.)
- Donnelly, Richard J. (See Scholl, H. S., and Donnelly.)
- Donnelly, William J., New Britain, Conn. Apparatus for dumping bricks and molds. 1,956,192; Apr. 24.
- Donner, Bernard F., Algiers, La. Automobile turning indicator. 1,968,749; July 31.
- Donner, Julius. (See Marek, Joseph, assignor.)
- Donohue, Anthony J., assignor to Simplex Gas Products Corporation, Philadelphia, Pa. Boiler construction. 1,970,500; Aug. 14.
- Donohue, Frank, Jr., Brooklyn, N. Y. Propeller mechanism for aircraft. 1,966,382; July 10.
- Donohue, Robert M., Brookline, Mass. Portable cooling system cleaning device. Des. 91,768; Mar. 20.
- Donohue, William J., Chicago, Ill. Apparatus for and method of separating suspended solids from liquids by sedimentation or settling. 1,968,031; July 31.
- Donovan, Charles E. (See Donovan, William J. and C. E.)
- Donovan, Francis J., assignor of one-half to R. S. Kayser, New York, N. Y. Vacuum operated jack. 1,972,552; Sept. 4.
- Donovan, Frank C., Detroit, Mich. Building block. 1,974,564; Sept. 25.
- Donovan, George L., and W. A. Fox, Vancouver, British Columbia, Canada. Draft regulator. 1,978,488; Oct. 30.
- Donovan, Henry, assignor to North American Car Corporation, Chicago, Ill. Insulation for refrigerator cars. 1,952,159; Mar. 27.
- Donovan, John F. (See Frech, T. W., Fagan, Donovan, and Isaac.)
- Donovan, Joseph L., Duluth, Minn. Golf bag supporting stand. 1,960,099; May 22.
- Donovan, Thomas J., Jr., assignor to J. S. Ivins' Sons, Inc., Philadelphia, Pa. Adjustable display structure. 1,981,724; Nov. 20.
- Donovan, Thomas J., Jr., assignor to J. S. Ivins' Son, Inc., Philadelphia, Pa. Adjustable display structure. 1,981,847; Nov. 27.
- Donovan, William J. and C. E., New Rochelle, N. Y. Protector for pies or other commodities. 1,978,296; Oct. 23.
- Donoway, Clayton E., Philadelphia, Pa. Therapeutic percussor. 1,955,623; Apr. 17.
- Doohan, William P. (See Stratford, R. K., and Doohan.)
- Dooley, Clarence H. (See Steeb, Harry L., assignor.)
- Doolin, Charles E., San Antonio, Tex. Dough dispensing and cutting device. 1,954,443; Apr. 10.
- Doolittle, Arthur K., West Orange, N. J. Atomizing disk. 1,973,051; Sept. 11.
- Doolittle, Fred E. (See Hunt, L. F., and Doolittle.)
- Doorbar, John H., Highland Park, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Making casting wheels. 1,947,462; Feb. 20.
- Door Control Company. (See Blodgett, Herbert C., assignor.)
- Doorentz, Richard, Leipzig, Germany. Sound damping intermediate layer for ceilings, walls, and the like. 1,974,951; Sept. 25.
- Dopp, Paul, assignor to Lübecker Maschinenbau-Gesellschaft, Lübeck, Germany. Endless track vehicle. 1,966,544; July 17.
- Doppel, Harry B., Forest Hills, N. Y. Card or label holder. 1,948,168; Jan. 9.
- Doran, Carrol A. (See Buckley, J. R., and Doran.)
- Doran, Carroll A. (See Burke, J. P., and Doran.)
- Doran, James F., deceased, by John C. Doran, Danbury, Conn., executor. Hat ironing machine or the like. 1,944,655; Jan. 23.
- Doran, John C., executor. (See Doran, James F.)
- Doran, John H., Scotia, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,949,678; Mar. 6.
- Doran, John H., Scotia, N. Y., assignor to General Electric Company. Reversing turbine. 1,949,679; Mar. 6.
- Doran, John J. (See Detwiler, Vincent F. and V. A., and Doran.)
- Dorazio, Angelo. (See Masch, D., and Dorazio.)
- Dorazio, Joseph, Pueblo, Colo. Water gate. 1,978,858; Oct. 30.
- Dorée-Spearman, Peggie, Paris, France. Vanity box. Des. 93,333; Sept. 18.
- Dorff, Louis A. (See Getz, E. L., Pentland, and Dorff.)
- Dorfman, Hiller D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,955,327; Apr. 17.
- Dorfman, Hiller D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,966,286; July 10.
- Dorfman, Hiller D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,985,023; Dec. 18.
- Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,984,468; Dec. 18.
- Dorgelo, Eduard G., H. A. W. Klinkhamer and C. Bol, Eindhoven, Netherlands, assignors to General Electric Company. Series lighting system. 1,961,741; June 5.
- Dorgelo, E. G., C. Bol, and A. Linnemans, Eindhoven, Netherlands, assignors to General Electric Company. Series lighting system. 1,970,519; Aug. 14.
- Dorin Corporation, The. (See Loomis, Evarts G., assignor.)
- Döring, Fritz, Berlin-Frohnau, and K. Müller, assignors to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Switch for use in telephone systems. 1,954,121; Apr. 10.
- Döring, Fritz, and Konrad Müller, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrically operated driving device. 1,978,700; Oct. 30.
- Dorland, Max A. (See Steere, Clarence E., assignor.)
- Dorman, Morris, Baltimore, Md. Snow ball making machine. 1,970,997; Aug. 21.
- Dorman, Morris, Baltimore, Md. Combined vending and change making machine. 1,971,298; Aug. 21.
- Dorman, Neal W., and J. G. Eisenbach, assignors to The Toledo Machine & Tool Company, Toledo, Ohio. Conveyor. 1,941,829; Jan. 2.
- Dormann, Fred. (See McCullough, J. W., and Dormann.)
- Dorn, Clarence J., and J. L. Jaegly, Toledo, Ohio. Combined lamp lens and frame therefor. Des. 93,334; Sept. 18.
- Dorn, Clarence J., and J. L. Jaegly, Toledo, Ohio. Combined lamp lens and frame therefor. Des. 93,335; Sept. 18.
- Dorn, Norman L., and W. A. Clark, Long Beach, Calif. Oil well pump. 1,942,020; Jan. 2.
- Dorn, Walter. (See Rehm, A., Dorn, and Lang.)
- Dornbrook, Frederick L., and M. K. Drewry, assignors to The Milwaukee Electric Railway and Light Company, Milwaukee, Wis. Apparatus for treating pulverized fuel such as coal and the like. 1,954,350; Apr. 10.
- Dornbrook, Frederick L., and M. K. Drewry, assignors to The Milwaukee Electric Railway and Light Company, Milwaukee, Wis. Treating pulverized coal and producing powdered coke therefrom. 1,954,351; Apr. 10.
- Dornbrook, Frederick L., and M. K. Drewry, assignors to The Milwaukee Electric Railway and Light Company, Milwaukee, Wis. Apparatus for treating pulverized fuel such as coal and the like. 1,954,352; Apr. 10.
- O'Connellas, Thomas V., Talence, France, assignor of one-half to A. de Heeren, San-Sebastian, Spain. Opening automobile top. 1,969,595; Aug. 7.
- Dorner, Hermann I. A., Hanover, Germany, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Glow plug for internal combustion engines. 1,957,762; May 8.
- Dorner, Hermann I. A., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,963,578; June 19.
- Dorneth, Julius, Konradshöhe, near Berlin-Tegel, assignor to Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,942,326; Dec. 2.
- Dorneth, Julius, Konradshöhe, near Berlin-Tegel, assignor to The Firm Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line casting machine. 1,955,624; Apr. 17.

- Dorneth, Julius, Konradshohe, near Tegel, assignor to the firm Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,963,296; June 19.
- Dorneth, Julius, Konradshohe, near Berlin-Tegel, assignor to Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,966,545; July 17.
- Dorneth, Julius, Konradshohe, near Tegel, assignor to Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,976,486; Oct. 9.
- Dorney, Roland S., East Texas, and F. R. Neely, assignors to A. H. Balliet Corporation, Allentown, Pa. Duplicate contract bridge board. 1,962,710; June 12.
- Dornier, Claude, assignor to Dornier-Metallbauten G. m. b. H., Friedrichshafen, Germany. Landing chassis for aircraft. 1,968,637; July 31.
- Dornier-Metallbauten G. m. b. H. (See Dornier, Claude, assignor.)
- Dorough, Lowrance. (See Barrett, H. J., and Dorough.)
- Dorr, Clarence J. (See Hicks, R. M., and Dorr.)
- Dorr, Clarence J., Mount Vernon, and H. F. May, Valley Stream, assignors to The Teleregister Corporation, New York, N. Y. Electro-polarized relay. 1,951,327; Mar. 13.
- Dorr Company, The. (See Becraft, Frank W., assignor.)
- Dorr Company, The. (See Besselièvre, Edmund B., assignor.)
- Dorr Company, The. (See Bull, A. W., and Ramsey, assignors.)
- Dorr Company, The. (See Coulter, Harold B., assignor.)
- Dorr Company, The. (See Finney, John H. V., assignor.)
- Dorr Company, The. (See Fischer, Anthony J., assignor.)
- Dorr Company, The. (See Goodwin, R. T., Rearick, and Ferguson, assignors.)
- Dorr Company, The. (See Harms, Viggo, assignor.)
- Dorr Company, The. (See Heukelekian, Hovhanness, assignor.)
- Dorr Company, The. (See Maust, Ernest J., assignor.)
- Dorr Company, The. (See Maust, E. J., and Benjamin, assignors.)
- Dorr Company, The. (See Neill, William A., assignor.)
- Dorr Company, The. (See Staritzky, Eugene, assignor.)
- Dorr Company, The. (See Tanner, Russell E., assignor.)
- Dorr Company, Inc., The. (See Darby, George M., assignor.)
- Dorr Company, The, Inc. (See Downes, Frank A., assignor.)
- Dorr Company, Inc., The. (See Hyde, George G., assignor.)
- Dorr Company, Inc., The. (See Schaus, Arthur, assignor.)
- Dorr Company, Inc., The. (See Weber, W. C., and Kivari, assignors.)
- Dorr, Wilhelm E., Überlingen, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany. Transmission gearing. 1,944,682; Jan. 23.
- Dorrance, Julia T., Los Angeles, Calif. Cosmetic applicator. 1,952,659; Mar. 27.
- Dorrell, Clarence F., Trece, Kans. Barber's chair. 1,948,786; Feb. 27.
- Dorrer, Eugen. (See Dunkel, M., Dorrer, and Breuers.)
- Dorrer, Eugen, and H. Hopff, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of aralkyl alcohols. 1,966,488; July 17.
- Dorrington, Neill E., Chicago, Ill., assignor to St. Regis Paper Company, New York, N. Y. Cut-off for a bag filler. 1,964,935; July 3.
- Dorris, Frank A., Olpe, Kans. Gate. 1,966,028; July 10.
- Dorsch, Russell F., Port Arthur, Tex., assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Method and apparatus for heating oils. 1,953,365; Apr. 3.
- Dorsett, William C. (See Evans, D. M., and Dorsett.)
- Dorsey, Arthur, New York, N. Y. Clock. 1,950,661; Mar. 13.
- Dorsey, F. G. (See Millingar, H. E., and Pope, assignors.)
- Dorsey, Herbert G. (See Fay, R. D., and Dorsey.)
- Dorsey, Herbert G., Washington, D. C. Method of and apparatus for vision testing. 1,981,587; Nov. 20.
- Dorsey, Howard E. (See Enzor, Ora K., assignor.)
- Dorsey, J. R. (See Waldon, William J., assignor.)
- Dorst, Paul W., assignor of one-tenth to Allen & Allen, Cincinnati, Ohio. Device for taking and projecting motion pictures. 1,946,934; Feb. 13.
- Dortlund, Lloyd W. (See Kotvis, W., Chapman, and Dortland.)
- Dortmund-Hoerder Hüttenverein Aktiengesellschaft. (See Winckler, Gustav, assignor.)
- Dosch Kircher Organization, Inc. (See Galter, Louis, assignor.)
- Doscher, Carl F., White Plains, N. Y. Window ventilating device. 1,960,434; May 29.
- Doser, Arnold. (See Thauss, A., Mauthe, and Doser.)
- Doss, Joseph H., Detroit, Mich., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Welding rod alloys. 1,952,842; Mar. 27.
- Dossenbach, August, Zurich, assignor to E. Gimmi, Zurich, Switzerland. Clothespin. 1,952,366; Mar. 27.
- Dossmann & Co. (See Dossmann, Paul, assignor.)
- Dossmann, Paul, assignor to the firm Dossmann & Co., Iserlohn, Germany. Needle case with windows. 1,971,644; Aug. 28.
- Dossmann, Wilhelm, Frankfurt-on-the-Main, Germany. Fastening device for rotary brushes and the like. 1,975,567; Oct. 2.
- Dot, Pedro, San Feliu de Llobregat, near Barcelona, Spain, assignor to The Conard-Pyle Company, West Grove, Pa. Rose. Pl. Pt. 102; Sept. 18.
- Dotsch, R. F. (See Wentjar, Herman, assignor.)
- Dotterweich, Andrew J., assignor to Automatic Water Softener Company, Pittsburgh, Pa. Water softening apparatus. 1,942,807; Jan. 9.
- Dotterweich, Andrew J., assignor to Automatic Water Softener Company, Pittsburgh, Pa. Water softening apparatus. 1,942,808; Jan. 9.
- Dotterweich, Andrew J., assignor to Automatic Water Softener Company, Pittsburgh, Pa. Water-softening apparatus. 1,949,044; Feb. 27.
- Dotterweich, Andrew J., Pittsburgh, Pa., assignor, by mesne assignments, to General Water Treatment Corporation, New York, N. Y. Water-softening apparatus. 1,954,405; Apr. 10.
- Dotterweich, Andrew J., Pittsburgh, Pa., assignor, by mesne assignments, to General Water Treatment Corporation, New York, N. Y. Water softening apparatus. 1,954,406; Apr. 10.
- Dotterweich, Andrew J., Pittsburgh, Pa., assignor, by mesne assignments, to General Water Treatment Corporation, New York, N. Y. Water softening apparatus. 1,976,439; Oct. 9.
- Doty, Raymond B., Cleveland, Ohio, assignor to Bonnar-Yawter Fanform Company, Inc., New York, N. Y. Form aligning device. 1,969,877; Aug. 14.
- Doty, Ruth B. (See Cochrane, Clarence, assignor.)
- Doty, Ruth B., Winchester, Mass. Stocking form. 1,969,731; Aug. 14.
- Doub, Edwin A., Walnut, Kans., assignor of forty per cent to E. Scott and Q. P. Brown and twenty per cent to J. M. Harper, Kansas City, Mo. Starting gear. Re19,144; Apr. 24.
- Doubleday, Jason G., Springfield, Mass. Shock absorber. 1,944,879; Jan. 30.
- Doubler, Francis X., Cleveland, Ohio. Art stitcher. 1,960,100; May 22.
- Doubler, Francis X., Cleveland, Ohio. Manually operated art stitcher. 1,976,709; Oct. 16.
- Double Seal Ring Company. (See Baker, William S., assignor.)
- Double Seal Ring Company et al. (See Baker, William S., assignor.)
- Double Stitch Welt Shoe Corporation. (See Madson, Amos, assignor.)
- Doucha, John C., Chicago, Ill. Explosive combustion boiler. 1,974,177; Sept. 18.
- Doué, Emile, Neuilly, France. Obturating and distributing apparatus for fluids. 1,969,298; Aug. 7.
- Dougherty, George, assignor to Morgantown Glass Works, Morgantown, W. Va. Glass tank. 1,957,252; May 1.
- Dougherty, Glenn O., Los Angeles, Calif. Fluid flow control valve. 1,960,619; May 29.
- Dougherty, Leo B., and W. J. Anderson, New York, N. Y. Vermin destroyer. 1,963,838; June 19.
- Dougherty, Robert A., San Francisco, Calif. Sanitary container. 1,949,010; Feb. 27.
- Dougherty, Robert J., Ambler, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Thermostatically operative valve. 1,947,431; Feb. 13.
- Dougherty, Robert J., Ambler, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Thermostatic valve. 1,963,043; June 12.
- Dougherty, Robert J., Ambler, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Thermostatically operative valve. 1,974,646; Sept. 25.
- Doughnut Machine Corporation. (See Blinn, H. M., and Hunter, assignors.)
- Doughnut Machine Corporation. (See Hunter, Herbert T., assignor.)
- Doughnut Machine Corporation. (See Kaufmann, James J., assignor.)
- Doughty, Eldred H., Aston, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing mounting. 1,965,407; July 3.
- Doughty, Hartwell T., St. Paul, Minn. Auxiliary distributing valve for locomotives. 1,942,369; Jan. 2.
- Doughty, Howard W., Amherst, assignor to Firetox Company, Attleboro, Mass. Fire extinguisher. 1,966,661; July 17.
- Doughty, Ivan N. (See Butterworth, F. W., Doughty, and Cline.)
- Doughty, Leon A., Glenside, Pa. Battery plate. 1,963,736; June 19.
- Douglas Aircraft Company, Inc. (See Kindelberger, James H., assignor.)
- Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Temple thread cutter. 1,951,600; Mar. 20.
- Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Thread parting mechanism for looms. 1,952,747; Mar. 27.
- Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Thread cutting temple for looms. 1,971,255; Aug. 21.
- Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Thread cutting mechanism for looms. 1,971,256; Aug. 21.
- Douglas, Harry A. (See Schmid, William, assignor.)
- Douglas, Harry A., Bronson, Mich. Snap terminal. 1,943,590; Jan. 16.
- Douglas, Harry A., Bronson, Mich. Electrical connector. 1,943,591; Jan. 16.

- Douglas, Harry A., Bronson, Mich. Lamp assembly means. 1,946,197; Feb. 6.
- Douglas, Harry A., Bronson, Mich. Lighting system for automotive vehicles. 1,946,965; Feb. 13.
- Douglas, Harry A., Bronson, Mich. Electrical connector. 1,946,966; Feb. 13.
- Douglas, Harry A., Bronson, Mich. Assembling means. 1,946,967; Feb. 13.
- Douglas, Harry A., Bronson, Mich. Circuit continuing device. 1,949,931; Mar. 6.
- Douglas, Harry A., Bronson, Mich. Electric switch. 1,950,716; Mar. 13.
- Douglas, Harry A., Bronson, Mich. Multiple pole line connector. 1,950,717; Mar. 13.
- Douglas, Harry A., Bronson, Mich. Circuit continuing device. 1,953,593; Apr. 3.
- Douglas, Harry A., Bronson, Mich. Contact carrier. 1,953,594; Apr. 3.
- Douglas, Harry A., Bronson, Mich. Switching mechanism. 1,956,378; Apr. 24.
- Douglas, Harry A., Bronson, Mich. Circuit continuing means. 1,956,379; Apr. 24.
- Douglas, Harry A., Bronson, Mich. Electrical adapter means. 1,956,380; Apr. 24.
- Douglas, Harry A., Bronson, Mich. Electric switch. 1,961,846; June 5.
- Douglas, Harry A., Bronson, Mich. Electrical connector block. 1,962,487; June 12.
- Douglas, Harry A., Bronson, Mich. Electric switch. 1,964,561; June 26.
- Douglas, Harry A., Bronson, Mich. Lighting system. 1,964,562; June 26.
- Douglas, Harry A., Bronson, Mich. Electric switch. 1,964,563; June 26.
- Douglas, Harry A., Bronson, Mich. Lamp assembly means. 1,975,353; Oct. 2.
- Douglas, Harry A., Bronson, Mich. Electrical connector. 1,975,354; Oct. 2.
- Douglas, Harry A., Bronson, Mich. Mounting means. 1,975,355; Oct. 2.
- Douglas, Harry A., Bronson, Mich. Circuit continuing device. 1,978,933; Oct. 30.
- Douglas, Harry A., Bronson, Mich. Mounting means. 1,978,934; Oct. 30.
- Douglas, Harry A., Bronson, Mich. Attaching means. 1,978,935; Oct. 30.
- Douglas, Harry A., Bronson, Mich. Electric lighting system and controls therefor. 1,982,500; Nov. 27.
- Douglas, Harry A., Bronson, Mich. Connecting means. 1,982,501; Nov. 27.
- Douglas, Harry A., Bronson, Mich. Junction box or the like. 1,982,502; Nov. 27.
- Douglas, Harry A., Bronson, Mich. Electric lamp. 1,985,024; Dec. 18.
- Douglas, James K. (See Ferris, J. P., and Douglas.)
- Douglas, James K., assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive for machine tools. 1,943,061; Jan. 9.
- Douglas, James K., assignor to The Oilgear Company, Milwaukee, Wis. Relief valve. 1,970,131; Aug. 14.
- Douglas, James K., assignor to The Oilgear Company, Milwaukee, Wis. Pump. 1,974,134; Sept. 18.
- Douglas, Norvel, Lawrence, Kans., assignor to General Electric Company. Signaling system. 1,961,820; June 5.
- Douglas, Paul H., Pelham Manor, assignor to Bourjois, Inc., New York, N. Y. Cosmetic box. 1,985,353; Dec. 25.
- Douglas, Sadie J. (See Read, Arthur, assignor.)
- Douglas, William, Port Angeles, Wash. Bottle. 1,941,933; Jan. 2.
- Douglass, Henry J., assignor to Pacific Can Co., San Francisco, Calif. Ring neck key can. 1,985,536; Dec. 25.
- Douglass, Leon F., Menlo Park, Calif. Apparatus for producing panoramic photographic pictures or the like. 1,967,468; July 24.
- Douglass, William A. (See Calcott, W. S., and Douglass.)
- Douglass, William A. (See Williams, I., Douglass, and Neal.)
- Douglass, William A., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentrating ores and minerals by flotation. 1,943,753; Jan. 16.
- Doull, George, Castletown, Scotland. Egg laying registering apparatus. 1,968,337; July 31.
- Dounis, Peter L., and A. Jordanoglou, Washington, D. C. Jacking and sidewise motion transmitting device for automotive vehicles. 1,944,501; Jan. 23.
- Douthett, Orin R., Passaic, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Artificially colored building material and producing same. 1,970,953; Aug. 21.
- Douthett, Orin R., Passaic, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Treated bitumen. 1,979,677; Nov. 6.
- Douthett, Orin R., Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Treating bitumen. 1,979,676; Nov. 6.
- Doutt, Owen, Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Grinding machine. 1,977,049; Oct. 16.
- Douvry, Roger M. L., Paris, assignor to Draeger Freres, Grand Montrouge, France. Binding arrangement. 1,970,285; Aug. 14.
- Douw, Jacobus C., assignor of part of the right to J. W. V. Hein, C. H. and M. A. Henny, The Hague, Netherlands, constituting with himself the syndicate of J. C. Douw's Patents. Sound reproducing apparatus. 1,952,539; Mar. 27.
- Douw's, J. C., Patents. (See Douw, Jacobus C., assignor.)
- Dove, Leonard P., Hinsdale, Ill. Dispersed pigment from organic carbonaceous earth and producing the same. 1,949,147; Feb. 27.
- Dovell, Harry L., Chicago, Ill. Structural metal framework. 1,958,473; May 15.
- Dover, George W., Cranston, assignor to Dovercraft Company, Inc., Providence, R. I. Curtain support. 1,981,543; Nov. 20.
- Dover Manufacturing Company. (See Maurer, Charles C., assignor.)
- Dover Stamping & Manufacturing Company. (See Whitney, Horace E., assignor.)
- Dovercraft Company, Inc. (See Dover, George W., assignor.)
- Dow, Bernard H. (See Nichols, W. H., and Dow.)
- Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)
- Dow Chemical Company, The. (See Barstow, E. O., and Heath, assignors.)
- Dow Chemical Company, The. (See Barstow, E. O., Heat, and Minger, assignors.)
- Dow Chemical Company, The. (See Binder, William O., assignor.)
- Dow Chemical Company, The. (See Boundy, R. H., and Pierce, assignors.)
- Dow Chemical Company, The. (See Britton, Edgar C., assignor.)
- Dow Chemical Company, The. (See Britton, E. C., and Bryner, assignors.)
- Dow Chemical Company, The. (See Britton, E. C., Coleman, and Hadler, assignors.)
- Dow Chemical Company, The. (See Britton, E. C., Coleman, and Warren, assignors.)
- Dow Chemical Company, The. (See Britton, E. C., Martin, Alquist, and Heindel.)
- Dow Chemical Company, The. (See Britton, E. C., and Mills, assignors.)
- Dow Chemical Company, The. (See Brooks, Manley E., assignor.)
- Dow Chemical Company, The. (See Burdick, E. C., and Gross, assignors.)
- Dow Chemical Company, The. (See Collings, William R., assignor.)
- Dow Chemical Company, The. (See Collings, W. R., and Gibb, assignors.)
- Dow Chemical Company, The. (See Gann, John A., assignor.)
- Dow Chemical Company, The. (See Gann, J. A., and Brooks, assignors.)
- Dow Chemical Company, The. (See Gann, J. A., Reynolds, and Winston, assignors.)
- Dow Chemical Company, The. (See Grant, Leo B. and O. E., assignors.)
- Dow Chemical Company, The. (See Grebe, John J., assignor.)
- Dow Chemical Company, The. (See Grebe, J. J., and Boundy, assignors.)
- Dow Chemical Company, The. (See Grebe, J. J., and Chamberlain, assignors.)
- Dow Chemical Company, The. (See Grebe, J. J., Coleman, and Reilly, assignors.)
- Dow Chemical Company, The. (See Grether, E. F., and Mills, assignors.)
- Dow Chemical Company, The. (See Griswold, Thomas, Jr., assignor.)
- Dow Chemical Company, The. (See Heath, Sheldon B., assignor.)
- Dow Chemical Company, The. (See Koenders, John W., assignor.)
- Dow Chemical Company, The. (See Lowry, R. D., and Reynolds, assignors.)
- Dow Chemical Company, The. (See Martin, L. F., and Coleman, assignors.)
- Dow Chemical Company, The. (See Mills, Lindley E., assignor.)
- Dow Chemical Company, The. (See Mills, L. E., and Fayerweather, assignors.)
- Dow Chemical Company, The. (See Nutting, H. S., and Petrie, assignors.)
- Dow Chemical Company, The. (See Nutting, H. S., Petrie, Croope, and Huscher, assignors.)
- Dow Chemical Company, The. (See Pelton, Earl L., assignor.)
- Dow Chemical Company, The. (See Perkins, R. P., and Dietzler, assignors.)
- Dow Chemical Company, The. (See Perkins, R. P., Dietzler, and Burdick, assignors.)
- Dow Chemical Company, The. (See Perkins, R. P., Dietzler, and Lundquist, assignors.)
- Dow Chemical Company, The. (See Prutton, Carl F., assignor.)
- Dow Chemical Company, The. (See Reilly, John H., assignor.)
- Dow Chemical Company, The. (See Reimers, Hans A., assignor.)
- Dow Chemical Company, The. (See Stewart, Leroy C., assignor.)
- Dow Chemical Company, The. (See Stewart, L. C., and De Pree, assignors.)

- Dow Chemical Company, The. (See Stoesser, W. C., and Marschner, assignors.)
- Dow Chemical Company, The. (See Stoesser, W. C., and Smith, assignors.)
- Dow Chemical Company, The. (See Strosacker, C. J., and Kendall, assignors.)
- Dow Chemical Company, The. (See Strosacker, C. J., Kennedy, and Pelton, assignors.)
- Dow Chemical Company, The. (See White, A. C., and Stoesser, assignors.)
- Dow Chemical Company, The. (See Wibaut, J. P., and den Hertog, assignors.)
- Dow Chemical Company, The. (See Williams, William H., assignor.)
- Dow, Dewey M. (See Riebel, F., and Dow.)
- Dow, Dewey M. (See Riebel, F., jr., and Dow.)
- Dow, Dewey M. (See Riebel, F., jr., Dow, and Henson.)
- Dow, Dewey M. (See Tracy, P. E., and Dow.)
- Dow, Etta F. (See Staley, Frank L., assignor.)
- Dow, Eugene M., assignor to Eastman Kodak Company, Rochester, N. Y. Adhesive tape. 1,962,340; June 12.
- Dow, Harry E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thermostatic wax pot. 1,962,007; June 5.
- Dow, Jennings B., Alexandria, Va. Oscillator system. 1,943,302; Jan. 16.
- Dow, Jennings B., Alexandria, Va. Oscillator system. 1,957,446; May 8.
- Dow, Jennings B., Long Beach, Calif. Oscillator system. 1,955,739; Apr. 24.
- Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Tuning arrangement. 1,941,542; Jan. 2.
- Dow, Percival E. (See Bishop, B. S. T., and Dow.)
- Dow, Richard F. (See Belcher, W. J., and Dow.)
- Dowd, Andrew D., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph circuit. 1,951,412; May 22.
- Dowd, Andrew D., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 1,979,026; Oct. 30.
- Dowd, Bernard J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Making margin stops for typewriting machines. 1,958,298; May 8.
- Dowd, Bernard J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Margin stop for typewriting machines. 1,969,596; Aug. 7.
- Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,969,597; Aug. 7.
- Dowd, Bernard J., and H. J. Hart, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. Des. 93,093; Aug. 21.
- Dowd, Bernard J., and H. J. Hart, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,985,155; Dec. 18.
- Dowd, James E., Salt Lake City, Utah. Automobile awning. 1,970,886; Aug. 21.
- Dowd, John F., E. L. King, and R. C. Spencer, New York, N. Y., assignors to Livermore and Knight Company, Providence, R. I. Display device. 1,965,737; July 10.
- Dowd, Raymond E., Staten Island, assignor to The Russell Manufacturing Company, Middletown, Conn. Shock absorbing strut for aeroplanes. 1,948,887; Jan. 16.
- Dowd, William C. (See Weaton, G. F., Najarian, and Dowd.)
- Dowden, Ernest J., Gettysburg, S. Dak. Tire valve stem cap. 1,961,035; May 29.
- Dowe, Frank L., New York, N. Y. Syringe. 1,950,137; Mar. 6.
- Dowe, Otto, Chicago, Ill. Automobile jack. 1,981,165; Nov. 20.
- Dowell, James P. (See Gorsline, Samuel G., assignor.)
- Dowell, James P. (See Swansen, Edwin V., assignor.)
- Dowinsky, Samuel, New York, N. Y. Pressing iron. Des. 93,005; Aug. 14.
- Dowling, Dempsey L., Bainbridge, Ga. Nut shelling machine. 1,983,441; Dec. 4.
- Dowling, Philip H., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Copper oxide rectifier. 1,975,356; Oct. 2.
- Dowling, Philip H., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Manufacture of electrical rectifiers. 1,980,042; Nov. 6.
- Dow, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake release device. 1,960,332; May 29.
- Dow, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock bushing. 1,967,297; July 24.
- Dow, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locking angle cock device. 1,980,325; Nov. 13.
- Downer, Raymond H., assignor to Frigidrinks, Inc., San Francisco, Calif. Beverage displaying, refrigerating, conditioning, and dispensing machine. 1,954,518; Apr. 10.
- Downes, Frank A., Larchmont, assignor to The Dorr Company, Inc., New York, N. Y. Sewage aerator. 1,985,854; Dec. 25.
- Downey, Hugh C., U. S. Army, Mitchell Field, Long Island, N. Y. Retractable landing gear. 1,981,856; Nov. 27.
- Downey, Reginald L., Scotia, N. Y., assignor to General Electric Company. Electron discharge system. 1,959,156; May 15.
- Downey, William H. J., Wilmington, Del. Glare breaker for headlights. 1,961,284; June 5.
- Downing, Frederick B. (See Calcott, W. S., Carter, and Downing.)
- Downing, Frederick B. (See Calcott, W. S., and Downing.)
- Downing, Frederick B., Carneys Point, N. J., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Motor fuel stabilization. 1,945,521; Feb. 6.
- Downing, Frederick B., Carneys Point, N. J., A. S. Carter, Wilmington, Del., and D. Hutton, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydro-halogen addition products of acetylenic hydrocarbons. 1,950,434; Mar. 13.
- Downing, Frederick B., Carneys Point, N. J., R. G. Clarkson, Wilmington, Del., and C. G. Wolf, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized motor fuel. 1,957,134; May 1.
- Downing, Frederick B., Carneys Point, N. J., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gum inhibitor for cracked hydrocarbons. 1,962,435; June 12.
- Downing, Frederick B., Carneys Point, N. J., and R. G. Clarkson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of ortho-dihydroxy benzenes. 1,969,732; Aug. 14.
- Downing, Frederick B., Carneys Point, N. J., and R. G. Clarkson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing ortho-dihydroxy benzenes. 1,970,363; Aug. 14.
- Downing, Frederick B., Carneys Point, N. J., and R. G. Clarkson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing ortho-dihydroxy benzene. 1,970,364; Aug. 14.
- Downing, Frederick B., Carneys Point, and L. S. Bake, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lead-sodium alloy. 1,979,254; Nov. 6.
- Downing, Frederick B., Carney's Point, and R. G. Clarkson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Discharge printing. 1,981,907; Nov. 27.
- Downing, Frederick B., Carneys Point, N. J., R. G. Clarkson, Wilmington, Del., and C. W. Hannum, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nondyeing sulfurized phenol. 1,985,602; Dec. 25.
- Downing, William C., jr., assignor to Lincoln Meter Company, Inc., Springfield, Ill. Meter. 1,944,656; Jan. 23.
- Downingtown Manufacturing Company. (See Farrell, John J., assignor.)
- Downingtown Manufacturing Company. (See Standley, Albert H., assignor.)
- Downs, Austin H., assignor to Eclipse Air Brush Company, Inc., Newark, N. J. Extension paint spraying device. 1,961,481; June 5.
- Downs, Bernard I., Forestville, and D. S. Ingraham, assignors to The E. Ingraham Company, Bristol, Conn. Strap-watch package. 1,966,662; July 17.
- Downs, Frank E., Union City, N. J., assignor of one-fourth to E. L. Martin, New York, and E. F. Russell, Brooklyn, N. Y. Flotation reagent. 1,961,899; June 5.
- Downs, Lawrence E. (See Gibson, C. H., and Downs.)
- Downs, Marwood A., assignor to Ontario Manufacturing Company, Muncie, Ind. Spoon or other article of flatware. Des. 92,951; Aug. 7.
- Downs, Marwood A., assignor to Ontario Manufacturing Company, Muncie, Ind. Spoon or other article of flatware. Des. 93,762; Nov. 6.
- Downs, Sewell H., assignor to Clarage Fan Company, Kalamazoo, Mich. Inlet damper. 1,978,127; Oct. 23.
- Downs, Sewell H., assignor to Clarage Fan Company, Kalamazoo, Mich. Vortex control. 1,978,128; Oct. 23.
- Downs, Sewell H., assignor to Clarage Fan Company, Kalamazoo, Mich. Vortex control for fans. 1,978,129; Oct. 23.
- Dowsett, Charles W., Parktown, and W. E. John, Johannesburg, Transvaal, Union of South Africa; said Dowsett assignor to said John. Cyaniding auriferous materials. 1,952,976; Mar. 27.
- Dowsett, Harry M., Winchmore Hill, London, and D. L. Flaistowe, Leigh-on-the-Sea, England, assignor to Radio Corporation of America. Television apparatus. 1,971,372; Aug. 28.
- Dowson, Robert, assignor to C. A. Parsons & Company, Limited, Newcastle-on-Tyne, England. Centrifugal apparatus such as fans, impellers, and the like. 1,953,064; Apr. 3.
- Dowst Manufacturing Company. (See Dowst, Theodore S., assignor.)
- Dowst, Theodore S., assignor to Dowst Manufacturing Company, Chicago, Ill. Toy. 1,984,258; Dec. 11.
- Dowty, George H., Cheltenham, England, assignor to Bendix Aviation Corporation, South Bend, Ind. Construction of aircraft disk type landing wheels. 1,972,216; Sept. 4.
- Doxford, William, & Sons Limited. (See Keller, Karl O., assignor.)
- Doyle, Adrian J., Aurora, Ill. Cultivator shield. 1,957,160; May 1.

- Doyle, Edgar D., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method and apparatus for controlling alternating current generating units. 1,984,920; Dec. 18.
- Doyle, Edgar D., and L. O. Heath, assignors to Leeds & Northrup Company, Philadelphia, Pa. Method and apparatus for controlling alternating current generating units. 1,985,081; Dec. 18.
- Doyle, Edward J., Boston, Mass. Oil heating and lubricating device for engine cylinders. 1,971,976; Aug. 28.
- Doyle, Frederick W., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Assembling machine. 1,944,683; Jan. 23.
- Doyle, George F., and T. Kauffman, jr., assignors to The S. Obermayer Co., Chicago, Ill. Furnace lining. 1,978,077; Oct. 23.
- Doyle, James S. (See Hedley, F., and Doyle.)
- Doyle, John T. (See Eggleston, Robert N., assignor.)
- Doyle, Michael P., Brooklyn, N. Y. Bath tub fixture. 1,945,033; Jan. 30.
- Doyle, Otis F., New Orleans, La. Bulkhead pile driver. 1,954,523; Apr. 10.
- Doyle, William T., Dorchester, assignor to Sturtevant Mill Company, Boston, Mass. Method of and apparatus for hydrating cellulose pulp. 1,949,534; Mar. 6.
- Doyle, Willis G., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Operating mechanism for clutches. 1,980,790; Nov. 13.
- Drabelle, John M., Cedar Rapids, Iowa, assignor to General Electric Company. Automatic prime mover dynamo-electric plant. 1,965,371; July 3.
- Drabelle, John M., Cedar Rapids, Iowa, assignor to General Electric Company. Automatic prime mover dynamo-electric plant. 1,965,372; July 3.
- Drabin, John J. (See Koulichkov, S. N., and Drabin.)
- Drach, Herman. (See Lehn, J. U., and Drach.)
- Drachman, Philip E., assignor of one-half to T. F. Jennings, Brooklyn, N. Y. Envelope. 1,957,704; May 8.
- Drader, Joseph C., Detroit, and W. F. Dalzen, Grosse Pointe Park, Mich., assignors to Michigan Tool Company. Testing device. 1,961,925; June 5.
- Draeger Freres. (See Douvry, Roger M. L., assignor.)
- Draeger, Lloyd H., Milwaukee, Wis. Member for coupling vehicles together. 1,978,859; Oct. 30.
- Drager, Bernhard. (See Stampe, Gerhard K. E. H., assignor.)
- Dragovich, Damjan, assignor to G. Pirich, Minneapolis, Minn. Dandelion puller. 1,959,617; May 22.
- Draber, John. (See Kiessling, M., Krieger, and Draher.)
- Draber Machine Company, The. (See Runk, William B., assignor.)
- Drake, Augustus W., Hazleton, Pa. Insect swatter. Des. 91,616; Feb. 27.
- Drake, Charles B., assignor to Neon-Globe Co., Inc., Norfolk, Va. Sign. 1,977,575; Oct. 16.
- Drake, Dale L., Bell, Calif. Peening device. 1,966,663; July 17.
- Drake, Edward P. (See Ruble, C., Bond, and Drake.)
- Drake, Frederick H., Boonton Township, Morris County, assignor to Aircraft Radio Corporation, Boonton, N. J. Radioreceiver. 1,942,327; Jan. 2.
- Drake, George E., assignor to H. D. Colman, Rockford, Ill. Control for heating systems. 1,969,733; Aug. 14.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector. 1,944,930; Jan. 30.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector car. 1,955,953; Apr. 24.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector unit. 1,960,968; May 29.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector mechanism for electrical conductors. 1,967,812; July 24.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector mechanism. 1,973,528; Sept. 11.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector for boiler welds. 1,978,252; Oct. 23.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector mechanism. 1,980,669; Nov. 13.
- Drake, Harcourt C., Hempstead, assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Fissure detector for rails. 1,983,442; Dec. 4.
- Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Railway tie pulling machine. 1,985,768; Dec. 25.
- Drake, Harcourt C., Hempstead, and L. J. De Lanty, Spring Valley, assignors to Sperry Products, Inc., Brooklyn, N. Y. Detecting flaws. 1,946,196; Feb. 6.
- Drake, Harry W., Marshall, Ill. Hydraulic brake. 1,978,742; Oct. 30.
- Drake, John F., et al. (See Day, Charles M., assignor.)
- Drake, John L. (See Gipe, J. C., Crowley, and Drake.)
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass apparatus. 1,945,601; Feb. 6.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Machine for sealing laminated glass. 1,948,566; Feb. 27.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass cooler and absorbing heat. 1,953,341; Apr. 3.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Pressing apparatus. 1,965,113; July 3.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Pressing apparatus. 1,965,114; July 3.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass cutting apparatus. 1,970,932; Aug. 21.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Table coupling apparatus. 1,982,647; Dec. 4.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polishing apparatus. 1,982,648; Dec. 4.
- Drake Non-Clinkering Furnace Block Company. (See Finn, Stephen M., assignor.)
- Drake, Ralph L. (See Hull, G. K., and Drake.)
- Drake, Rollin L., and L. D. Titus, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Handle testing machine. 1,946,438; Feb. 6.
- Drannon, Roy E., Columbus, Ohio. Hair drying apparatus. 1,968,381; July 31.
- Drupal, Ottokar, Erla, near St. Valentin, Austria. Endless track for vehicles. 1,982,468; Nov. 27.
- Draper, Charles D., assignor to A. P. Grommesch, Seattle, Wash. Treating an Irish potato having the skin removed with fumes of burning sulphur to bleach, preserve, and to prevent discoloration. 1,948,877; Feb. 27.
- Draper Corporation. (See Brown, Carl D., assignor.)
- Draper Corporation. (See Burdett, Horace H., assignor.)
- Draper Corporation. (See Davis, Harry A., assignor.)
- Draper Corporation. (See Douglas, Frederic E., assignor.)
- Draper Corporation. (See Gatlin, Luther E., assignor.)
- Draper Corporation. (See Herring, Altus W., assignor.)
- Draper Corporation. (See Leonard, Harry A., assignor.)
- Draper Corporation. (See Lindsjo, Verner, assignor.)
- Draper Corporation. (See Meehan, John C., assignor.)
- Draper Corporation. (See Northrop, Jonas, assignor.)
- Draper Corporation. (See Pate, Frank, assignor.)
- Draper Corporation. (See Robertson, George M., assignor.)
- Draper Corporation. (See Stimpson, Wallace I., assignor.)
- Draper Corporation. (See Thatcher, Harry W., assignor.)
- Draper, Ernest E., Scarsdale, assignor to The Perser Corporation, New York, N. Y. Making stereoscopic pictures by instantaneous exposure. 1,942,638; Jan. 9.
- Draper, Ernest E., Scarsdale, assignor to The Perser Corporation, New York, N. Y. Apparatus for making stereoscopic pictures by instantaneous exposure. 1,955,275; Apr. 17.
- Draper, Ernest E., Scarsdale, assignor to The Perser Corporation, New York, N. Y. Making cepthographs. 1,958,036; May 8.
- Draper, Ernest E., Scarsdale, assignor to The Perser Corporation, New York, N. Y. Direction finder for stereoscopic cameras. 1,964,622; June 26.
- Draper, Harold, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Chuck. 1,956,318; Apr. 24.
- Drath, Paul F. (See Hope, S. N., and Drath.)
- Draves, Carl Z., Longmeadow, Mass., H. A. Lubs, and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating textile materials. 1,953,909; Apr. 3.
- Drawing, Arthur M., assignor to H. H. Eby, Philadelphia, Pa. Molded socket. 1,956,376; Apr. 24.
- Drawing, Arthur M., assignor to H. H. Eby, Philadelphia, Pa. Electrical contact. 1,968,480; July 31.
- Dravo Contracting Company, The. (See Kersting, Bernhard H., assignor.)
- Dravo, Hudson D., Manila, Philippine Islands, assignor to The Gregg Company, Ltd., New York, N. Y. Cane car and the like. 1,964,777; July 3.
- Draws, George A. L., Milwaukee, Wis. Roller skate. 1,974,152; Sept. 18.
- Draw-Trim Corporation of America. (See Jansen, Ernest D., assignor.)
- Dreer, Henry A., Incorporated. (See Kordes, Wilhelm J. H., assignor.)
- Dreffein, Henry A., Chicago, Ill. Heat-regulating method and apparatus. 1,974,413; Sept. 25.
- Dreffein, Henry A., Chicago, Ill. Heat control method and apparatus. 1,978,701; Oct. 30.
- Dreher, R. G. (See Gill, John W., assignor.)
- Drehmann, Christian E., Philadelphia, Pa. Drain inlet. 1,972,513; Sept. 4.
- Dreier, Raymond C., Chicago, Ill. Work bench. 1,960,181; May 22.
- Dreier, Theodore. (See Kilbourne, C. E., and Dreier.)
- Dreis, Edward J., San Francisco, Calif. Pipe forming machine. 1,973,164; Sept. 11.
- Dreisbach, Robert H. (See Hasbrouck, H. J., and Dreisbach.)
- Dreiske, William D., Oak Park, Ill. Wall construction. 1,955,706; Apr. 17.
- Dreisonstok, Joseph Y. (See Claytor, S. O., and Dreisonstok.)
- Dreisonstok, Joseph Y., U. S. Navy, and E. J. Aiken and E. B. Baldwin, Washington, D. C. Parallel motion device. 1,978,417; Oct. 30.
- Drenning, Percy R. (See Symington, Thomas H., and Drenning.)

- Drenning, Percy R., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway truck spring. 1,958,848; May 15.
- Drenning, Percy R., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway truck spring. 1,974,135; Sept. 18.
- Drenthe, John, Chicago, Ill. Safety deposit box. 1,984,012; Dec. 11.
- Drescher, Theodore B., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Centering device for lens machinery. 1,984,121; Dec. 11.
- Dresner, Emanuel, Chicago, Ill. Luggage. 1,944,172; Jan. 23.
- Dresner, S., & Son, Inc. (See Flotkin, Oscar H., assignor.)
- Dressel, Henry M., assignor to Grigsby-Grunow Company, Chicago, Ill. Amplifier system. 1,984,967; Dec. 18.
- Dresser, George L., Albany, N. Y. Building structure and making same. 1,972,439; Sept. 4.
- Dresser, S. R., Manufacturing Co. (See Cooper, Howell C., assignor.)
- Dresser, S. R., Manufacturing Company. (See Engelman, Robert C., assignor.)
- Dresser, S. R., Manufacturing Company. (See Norton, Charles E., assignor.)
- Dresser, S. R., Manufacturing Company. (See Ochtman, Leonard, jr., assignor.)
- Dresser, S. R., Manufacturing Company. (See Pfeifferle, George H., assignor.)
- Dressler, Otto W., Minneapolis, Minn. Automatic draft stabilizer. 1,947,251; Feb. 13.
- Devitson, Wesley B., Millbrae, assignor to Food Machinery Corporation, San Jose, Calif. Fish-positioning machine. 1,967,228; July 24.
- Devitson, Wesley B., Millbrae, assignor to Food Machinery Corporation, San Jose, Calif. Fish feeding and positioning mechanism. 1,967,229; July 24.
- Drew, Ernest F., New York, N. Y. Detergent compound and preparing the same. 1,962,299; June 12.
- Drew, Jack. (See Black, T. and Drew.)
- Drew, Richard G. (See McCarthy, C. D., and Drew.)
- Drew, Richard G., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape. Rel. 1,928; Apr. 3.
- Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making adhesives in the form of sheets or the like. 1,954,805; Apr. 17.
- Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive in the form of sheets or the like. 1,959,413; May 22.
- Drewry, Montrose K. (See Dornbrook, F. L., and Drewry.)
- Dreys, Irma, et al. (See Dreys, Otto J., assignor.)
- Dreys, Otto J., assignor of one per cent to I. C. Thuermann, forty-nine per cent to W. J. Thuermann, and one per cent to I. Dreys, Milwaukee, Wis. Garter fastener. 1,976,604; Oct. 9.
- Dreys, Paul. (See Rottmann, Andreas, assignor.)
- Dreys, William C., Maywood, Ill. Shock absorber. 1,958,188; May 8.
- Drewsen, Pierre, assignor to Hinde & Dauch Paper Company, Sandusky, Ohio. Paper for corrugating purposes and forming the same. 1,966,238; July 10.
- Drexler, Charles. (See Barton, C. H., and Drexler.)
- Drexler, Charles, assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Lock-out lever mechanism for freewheeling units. 1,983,841; Dec. 11.
- Drexler, Ernest, Pittsburgh, Pa. Rolling mill structure. 1,960,900; May 29.
- Drexler, Samuel, Brooklyn, assignor to M. S. Harrison and E. Spector, doing business under the firm name and style of Bilt-Rite Baby Carriage Co., Brooklyn, N. Y. Baby carriage. Des. 93,817; Nov. 13.
- Dreyer, Albert, Lucerne, Switzerland. Process and apparatus for the manufacture of corrugated tubes. 1,952,239; Mar. 27.
- Dreyer, Charles B., assignor of one-half to H. F. Boeger, Los Angeles, Calif. Cinematography. 1,960,373; May 29.
- Dreyer, Ulrich. (See Lange, W., and Dreyer.)
- Dreyfus, Camille, New York, N. Y. Foodstuff. 1,943,374; Jan. 16.
- Dreyfus, Camille, New York, N. Y. Treatment of organic derivative of cellulose fabric. 1,947,002; Feb. 13.
- Dreyfus, Camille, New York, N. Y. Coated article and preparing the same. 1,950,662; Mar. 13.
- Dreyfus, Camille, New York, N. Y. Insulating composition. 1,961,208; June 5.
- Dreyfus, Camille, New York, N. Y. Manufacture of new or improved fabric. 1,962,683; June 12.
- Dreyfus, Camille, New York, N. Y. Protecting cellulose derivative surfaces and product thereof. 1,964,039; June 26.
- Dreyfus, Camille, New York, N. Y. Tube and making the same. 1,964,724; July 3.
- Dreyfus, Camille, New York, N. Y. Dyeing of textile materials. 1,968,819; Aug. 7.
- Dreyfus, Camille, New York, N. Y. Textile material and making same. 1,983,349; Dec. 4.
- Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Treatment of derivatives of cellulose. 1,948,517; Feb. 27.
- Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Treatment of substitution derivatives of cellulose. 1,954,729; Apr. 10.
- Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Textile material and making the same. 1,956,565; May 1.
- Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Discharge printing. 1,957,491; May 8.
- Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Spinning of artificial filaments. 1,958,238; May 8.
- Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus for making yarns. 1,959,414; May 22.
- Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Synthetic resin and composition containing the same. 1,960,262; May 20.
- Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Saponification of cellulose esters. 1,962,139; June 12.
- Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Process and apparatus for making artificial filaments. 1,972,922; Sept. 11.
- Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Producing textile materials and product thereof. 1,972,923; Sept. 11.
- Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of material containing organic esters of cellulose. 1,976,218; Oct. 9.
- Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Apparatus for digesting cellulose material. 1,980,390; Nov. 13.
- Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Producing ornamental fabric. 1,985,243; Dec. 25.
- Dreyfus, Henry, London, England. Manufacture of alkyl ethers of hydroxy aliphatic acids. 1,943,375; Jan. 16.
- Dreyfus, Henry, London, England. Manufacture and treatment of cellulose esters. 1,947,463; Feb. 20.
- Dreyfus, Henry, London, England. Manufacture of organic substitution derivatives of cellulose. 1,947,464; Feb. 20.
- Dreyfus, Henry, London, England. Textile fabric. 1,947,465; Feb. 20.
- Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,947,977; Feb. 20.
- Dreyfus, Henry, London, England. Manufacture of aliphatic ketones. 1,949,412; Mar. 6.
- Dreyfus, Henry, London, England. Production and treatment of textile and other materials made of or containing cellulose derivatives. 1,950,024; Mar. 6.
- Dreyfus, Henry, London, England. Manufacture of cellulose esters. 1,950,663; Mar. 13.
- Dreyfus, Henry, London, England. Manufacture of cellulose ester products. 1,950,665; Mar. 13.
- Dreyfus, Henry, London, England. Manufacture and treatment of cellulose esters. 1,952,843; Mar. 27.
- Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,952,844; Mar. 27.
- Dreyfus, Henry, London, England. Concentrating aqueous solutions of lower aliphatic acids. 1,952,845; Mar. 27.
- Dreyfus, Henry, London, England. Manufacture of aliphatic ketones. 1,952,846; Mar. 27.
- Dreyfus, Henry, London, England. Manufacture of materials having a basis of cellulose derivatives. 1,953,956; Apr. 10.
- Dreyfus, Henry, London, England. Manufacture of hydroxy carboxylic acids. 1,962,140; June 12.
- Dreyfus, Henry, London, England. Manufacture of oxygenated organic compounds. 1,963,119; June 19.
- Dreyfus, Henry, London, England. Manufacture of useful products from cellulosic materials. 1,963,972; June 26.
- Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,964,040; June 26.
- Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 1,964,041; June 26.
- Dreyfus, Henry, London, England. Manufacture of oxygen-containing aliphatic compounds. 1,965,072; July 3.
- Dreyfus, Henry, London, England. Acyl derivatives of cellulose. 1,972,134; Sept. 4.
- Dreyfus, Henry, London, England. Cellulose derivatives and their manufacture. 1,972,135; Sept. 4.
- Dreyfus, Henry, London, England. Manufacture or treatment of filaments, yarns, or threads of cellulose derivatives. 1,972,924; Sept. 11.
- Dreyfus, Henry, London, England. Manufacture of aliphatic compounds. 1,977,718; Oct. 23.
- Dreyfus, Henry, London, England. Manufacture of aliphatic compounds. 1,985,769; Dec. 25.
- Dreyfus, Henry, London, and E. Kinsella, J. Bower, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Apparatus for the production of artificial filaments or threads. 1,942,540; Jan. 9.

- Dreyfus, Henry, London, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial filaments or threads. 1,949,604; Mar. 6.
- Dreyfus, Henry, London, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial filaments or threads. 1,950,025; Mar. 6.
- Dreyfus, Henry, London, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial filaments or threads. 1,950,026; Mar. 6.
- Dreyfus, Henry, London, and W. A. Dickie and P. F. C. Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile and other material. 1,950,664; Mar. 13.
- Dreyfus, Henry, London, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of cellulose derivatives. 1,955,793; Apr. 24.
- Dreyfus, Henry, London, and W. A. Dickie and F. C. Hale, Spondon, near Derby, England, assignors to Celanese Corporation of America. Shuttleless loom. 1,968,073; July 31.
- Dreyfus, Henry, London, and W. A. Dickie and P. F. C. Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile and other materials. 1,978,785; Oct. 30.
- Dreyfus, Henry H., New York, N. Y. Motion picture auditorium. 1,957,947; May 8.
- Dreyfus, Ludwig, and A. Garde, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Operating electric high frequency furnaces. 1,981,994; Nov. 27.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Casing for a suction cleaner or similar article. Des. 94,076; Dec. 18.
- Dreyfuss, Henry, New York, and W. B. Payne, assignors to The Todd Company Inc., Rochester, N. Y. Check writing machine. Des. 93,157; Aug. 28.
- Dried Fruit Association of California. (See Fisher, Charles D., assignor.)
- Driehaus, Herman W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,950,544; Mar. 13.
- Driemeyer, George F., Paris, France, assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle structure. 1,948,259; Feb. 20.
- Driest, Charles, Marlboro, N. J. Fuel control device. 1,952,541; Mar. 27.
- Driftmeter, Incorporated. (See Hester, Wynes W., assignor.)
- Driftmeyer, Herbert L., Fort Wayne, Ind., assignor to General Electric Company. Electrical winding. 1,968,600; July 31.
- Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Doping tungstic oxide. 1,965,222; July 3.
- Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Precipitation of tungstic oxide. 1,972,136; Sept. 4.
- Driggs, Louis L., jr., Tippecanoe City, Ohio. Firearm. 1,970,501; Aug. 14.
- Driggs, Louis L., jr., assignor to International Flare-Signal Company, Tippecanoe City, Ohio. Parachute. 1,951,864; Mar. 20.
- Driggs, Louis L., jr., Tippecanoe City, Ohio, and H. B. Faber, New York, N. Y. Flare signal. 1,947,834; Feb. 20.
- Drice Appliances Incorporated. (See Lassiter, J. R., jr., Quinn, and Lapham, assignors.)
- Drill, Alf. (See Simeral, C. C., and Drill.)
- Drill, Daniel C., Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y. Insulating material and making. 1,956,377; Apr. 24.
- Driscoll, Anthony F., Long Island, N. Y. Tool for applying and removing receptacle closures. 1,960,531; May 29.
- Driscoll, Edward A., New York, N. Y. Preventing the formation of ice on airplanes and the like. 1,943,062; Jan. 9.
- Driscoll, Hugh D., Tulsa, Okla. Antiskid attachment for shoes. 1,961,555; June 5.
- Driskell, Arthur P., Fontana, Calif. Bulb socket lock and the like. 1,958,613; May 15.
- Drissen, Wallace W. (See Goldberg, M. W., and Drissen.)
- Drissner, Alfred E. (See Eickhoff, T. H., Sanborn, and Drissner.)
- Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Broaching attachment. 1,952,194; Mar. 27.
- Drissner, Alfred E., Cleveland, Ohio, F. O. Hoagland, West Hartford, Conn., M. E. Lange, Cleveland Heights, Ohio, N. I. Lundberg, Madison, Wis., J. E. Lovely, Springfield, Vt.; said Drissner assignor to The National Acme Company, Cleveland Ohio; said Hoagland assignor to Pratt & Whitney Company, Hartford, Conn.; said Lange assignor to The Warner & Swasey Company, Cleveland, Ohio; said Lundberg assignor to Gisholt Machine Company, Madison, Wis.; said Lovely assignor to Jones & Lamson Machine Company, Springfield, Vt. Standard spindle nose. 1,961,605; June 5.
- Dri-Stream Valve Corporation. (See Pascale, Pasquale, assignor.)
- Driver, Arthur S., assignor to Partitions, Inc., New York, N. Y. Clip for steel partition. 1,946,675; Feb. 13.
- Driver, Arthur S., assignor to Partitions, Inc., New York, N. Y. Metal partition. 1,962,768; June 12.
- Driver-Harris Company. (See Blythe, William E., assignor.)
- Driver-Harris Company. (See Hoza, John, assignor.)
- Driver, Harry A. (See Hise, John P., assignor, and P. B. Hise.)
- Droege, Karl, Frankfort-on-the-Main, Germany. Copying process for zincography. 1,959,947; May 22.
- Droque, James A., Noblesville, Ind., assignor to American Engineering Company, Philadelphia, Pa. Tuyere. 1,944,931; Jan. 30.
- Droitcour, Michael A., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Inking mechanism. 1,977,793; Oct. 23.
- Droll, Joseph W., Chicago, and A. H. Olson, Evanston, assignors to Droll Patents Corporation of Delaware, Chicago, Ill. Mattress tufting machine. 1,949,148; Feb. 27.
- Droll, Joseph W., Chicago, and A. H. Olson, Evanston, Ill.; said Olson assignor to said Droll. Film-winding mechanism. 1,950,601; Mar. 13.
- Droll Patents Corporation of Delaware. (See Droll, J. W., and Olson, assignors.)
- Droll Patents Corporation of Delaware. (See Olson, Alex H., assignor.)
- Drosnes, Philip L., assignor to R. Drosnes, Pittsburgh, Pa. Life saving or bathing belt. 1,967,928; July 24.
- Drosnes, Rebecca. (See Drosnes, Philip L., assignor.)
- Drotar, John E., San Pedro, Calif. Sugar dispenser. 1,960,731; May 29.
- Drott, Louis W. (See Parsons, C. A., and Drott.)
- Drouilly, Eugene, assignor to Société Anonyme Treffleries & Laminaires, du Havre, Paris, France. Production of metals in a finely divided state. 1,963,893; June 19.
- Droysen, Otto, Berlin-Friedenau, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schöneberg, Germany. Electromagnetic relay. 1,953,929; Apr. 10.
- Drucker, Abraham, New York, N. Y. Cutting press. 1,983,842; Dec. 11.
- Drucker, Abraham, J. Gluckman, and I. Guralnik, New York, N. Y.; said Gluckman and said Guralnik assignors to said Drucker. Assembling die. 1,975,139; Oct. 2.
- Drucker, Julius, Leverkusen-on-the-Rhine, P. Lueg, Leverkusen-Wiesdorf-on-the-Rhine, and P. Weise, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of alkali metal cyanides. 1,955,229; Apr. 17.
- Drucker, Kenneth G., St. Louis, Mo. Device for the treatment of certain ailments. 1,968,997; Aug. 7.
- Druge, Daniel O. (See Druge, Otto C. and D. O.)
- Druge, Otto C. and D. O. Druge, Oakland, Calif. Air pressure gauge. 1,943,469; Jan. 16.
- Drug Products Co., The. (See Noonan, Harry, assignor.)
- Drug Products Co., The. (See Torigian, John, assignor.)
- Drum, George E., and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Skein dyeing machine. 1,959,094; May 15.
- Drum, George E., and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Dyeing machine. 1,965,694; July 10.
- Drum, George E., and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Tank for dyeing machines. 1,976,605; Oct. 9.
- Drum, George E., and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Safety guard for machines. 1,979,457; Nov. 6.
- Drum Battery Company Limited. (See Drumm, James J., assignor.)
- Drumm, Elmer E., Two Rivers, Wis. Toy stove. 1,948,100; Feb. 20.
- Drumm, James J., assignor to Drumm Battery Company Limited, Dublin, Irish Free State. Storage battery. 1,955,115; Apr. 17.
- Drummond, Thomas H., Sandidges, Va. Fly catcher. 1,972,762; Sept. 4.
- Drummond-Dick, William, Surbiton, England. Hygienic mouthpiece. 1,962,639; June 12.
- Drury, Dorothy S., Los Angeles, Calif. Shoe tree. 1,943,657; Jan. 16.
- Druyvesteyn, Mari J. (See Holst, G., Druyvesteyn, de Boer and Teves.)
- Druyvesteyn, Mari J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric glow discharge tube. 1,972,647; Sept. 4.
- Dry, William A., Hodge, La. Pneumatic pump and jack. 1,983,444; Dec. 4.
- Dryden, George B., Evanston, assignor to Dryden Rubber Company, Chicago, Ill. Jar opening device. 1,952,660; Mar. 27.
- Dryden, John R., assignor to Long Manufacturing Company, Detroit, Mich. Manufacturing radiators. 1,959,464; May 22.
- Dryden Rubber Company. (See Dryden, George B., assignor.)
- Dryden Rubber Company. (See Reeves, George C., assignor.)
- Dryfoos, Sidney L., Cleveland Heights, assignor to The Universal Sand Equipment Company, Cleveland, Ohio. Material treating and handling equipment. 1,959,465; May 22.
- Dry Milk Company, The. (See Supplee, G. C., and Flanagan, assignors.)

- Drysdale, William D., Buffalo, N. Y., assignor to W. J. Sugden, Boston, Mass. Mechanical movement. 1,970,034; Aug. 14.
- Drysdale, William D., Buffalo, N. Y., assignor to W. J. Sugden, West Roxbury, Mass. Refrigerating machine. 1,981,843; Nov. 27.
- Dry Zero Corporation. (See Lindsay, Harvey B., assignor.)
- Dual Laboratories. (See Milone, Samuel, assignor.)
- Duarry-Serra, Juan, Barcelona, Spain. Impregnating thick textile products with latex under great hydraulic pressures. 1,974,879; Sept. 25.
- Duart Manufacturing Co. Ltd. (See Keele, Ralph M., assignor.)
- Dubassoff, Dmitri, New York, N. Y. Bracelet. 1,957,161; May 1.
- Dubbles, Grace M. H., Lincoln, Nebr. Toy. Des. 92,887; July 31.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting oils. 1,946,463; Feb. 6.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,958,267; May 8.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Distilling and conversion process. 1,969,782; Aug. 14.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating oils. 1,975,315; Oct. 2.
- Dubbs, Carbon P., assignor to Universal Oil Products Company, Chicago, Ill. Purification of hydrocarbon oils. 1,952,703; Mar. 27.
- Dubbs, Carbon P., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,971,214; Aug. 21.
- Dubbs, Leland A., Los Angeles, Calif. Garbage can lining. 1,947,835; Feb. 20.
- Dube, David D. (See Kellogg, W. D., Bradenburgh, and Dube.)
- Dube, Isadore H., Cincinnati, Ohio. Match box holder. 1,943,214; Jan. 9.
- Dube, Isadore H., Cincinnati, Ohio. Match box. 1,959,231; May 15.
- Dubé, Ludger, Fils de François, Notre Dame du Lac, Quebec, Canada. Lock. 1,953,292; Apr. 3.
- Dubelsto, George, et al. (See Techmer, Ewald F., assignor.)
- Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
- Dubilier Condenser Corporation. (See Nyman, Alexander, assignor.)
- Dubilier Condenser Corporation. (See Smith, Albert, assignor.)
- Dubilier, William, New Rochelle, assignor to Radio Patents Corporation, New York, N. Y. Wired radio communication system. 1,944,226; Jan. 23.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Power tractor condenser. 1,945,108; Jan. 30.
- Dubin, George H. (See Gordon, Arthur, assignor.)
- Dubin, Louis. (See McCoy, William T., assignor.)
- Dubinbaum, Isaac, New York, N. Y., and L. R. Christie, Pittsburgh, Pa. Treating waste residues. 1,971,479; Aug. 28.
- Dublin, Ralph L., Rochester, N. Y. Eyeglass and spectacle mounting. 1,952,047; Nov. 27.
- Du Bois, Cornelius M., assignor to Autopoint Company, Chicago, Ill. Desk stand. Des. 91,514; Feb. 20.
- Du Bois, Cornelius M., assignor to Autopoint Company, Chicago, Ill. Desk stand. Des. 91,515; Feb. 20.
- Du Bois, Kenneth W., and W. L. Cooke, Plainville, Conn. Continuous outlet receptacle. 1,964,042; June 26.
- Du Bois, Marcel, Winterthur, Switzerland. Internal combustion engine power unit. 1,963,780; June 19.
- Du Bois, Otto D., South Bend, Ind., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Testing apparatus. 1,946,133; Feb. 6.
- Du Bois, Ralph N., Detroit, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Internal combustion engine. 1,947,252; Feb. 13.
- Du Bon, Irwin J., Garden City, N. Y. Tie. 1,942,089; Jan. 2.
- Dubonnet, André, Neuilly-sur-Seine, France. Suspension. 1,941,879; Jan. 2.
- Du Bose, Edward S. (See Taylor, A. C., and Du Bose.)
- Du Bree, William J., Greenwich, Conn. Bottle or similar article. Des. 92,647; July 3.
- DuBrie Stanley R., Detroit, Mich. Pressure switch. 1,979,608; Nov. 6.
- Dubrovín, John, assignor to Central Scientific Company, Chicago, Ill. Molecular vacuum pump. 1,942,139; Jan. 2.
- Dubrovín, John, assignor to Central Scientific Company, Chicago, Ill. Valve for vacuum pumps. 1,949,710; Mar. 6.
- Dubrovín, John, assignor to Central Scientific Company, Chicago, Ill. Molecular vacuum pump. 1,975,568; Oct. 2.
- Du Brul, Clarence J., Cincinnati, Ohio. Making cigars. 1,961,684; June 5.
- Dubus, Peter A., New Orleans, La. Bearing for coffee roasters. 1,981,096; Nov. 20.
- Duby, John F., Boston, Mass. Vehicle tramway. 1,968,672; July 31.
- Duby, John F., Boston, Mass. Vehicle wheel. 1,982,377; Nov. 27.
- Duby, John F., Dorchester, Mass. Vehicle wheel slide thrust indicator. 1,981,613; Nov. 20.
- Ducato, Frank, Erie, Pa. Abrasive holder. 1,973,307; Sept. 11.
- Duceska, Joseph, and H. H. Campbell, Dayton, Ohio. Memorandum support for cradle type telephones. 1,983,443; Dec. 4.
- Du Chaffaut, Roger. (See Etienne, A., and du Chaffaut.)
- Du Chaffaut, Roger, Varennes-sur-Seine, France, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for carrying out exothermic chemical reactions. 1,942,021; Jan. 2.
- Duchatellier, Henry, assignor, by mesne assignments, to l'Aerotopographie, Courbevoie, France. Photographic reconstruction apparatus. 1,955,116; Apr. 17.
- Du Chemin, Edmond H., Denver, Colo. Automatic electric hot water heating system. 1,945,139; Jan. 30.
- Ducker, Louis F., Mariemont, assignor to R. A. Kaps and C. H. C. van Pelt, Cincinnati, Ohio, and L. F. Ducker, trustee. Liquid expresser. 1,968,638; July 31.
- Duckwall, Frank E., assignor to Continental Optical Manufacturing Company, Indianapolis, Ind. Bifocal lens and making the same. 1,951,506; Mar. 20.
- Duckworth, Nevin H., Davao, P. I., assignor to International Harvester Company, Machine for splitting abaca stalks. 1,948,905; Feb. 27.
- Ducommun, Jesse C. (See Scott, W. H., and Ducommun.)
- Du Cros, Arthur. (See Almeida, Edmundo, assignor.)
- Dudley, Andrew T. (See Holmes, W. K., and Dudley.)
- Dudley, Andrew T., Fort Arthur, Tex., assignor to The Texas Company, New York, N. Y. Pulverous material injector. 1,960,435; May 29.
- Dudley, Colon J., Hamburg, N. Y. Basket cover. 1,966,813; July 17.
- Dudley, Colon J., Hamburg, N. Y. Handle for baskets. 1,974,178; Sept. 18.
- Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Mechanical movement. 1,974,300; Sept. 18.
- Dudley, Frank S. and J. K., Frankford, Pa. Apparatus for producing chenille thread. 1,970,365; Aug. 14.
- Dudley, Homer W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 1,971,679; Aug. 28.
- Dudley, Homer W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Concentric return multiconductor cable. 1,978,418; Oct. 30.
- Dudley, Homer W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,978,419; Oct. 30.
- Dudley, Homer W., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,979,101; Oct. 30.
- Dudley, Ira L., assignor of one-half to W. H. Foster, Princeton, W. Va. Flange and rail lubricator. 1,977,755; Oct. 23.
- Dudley, John K. (See Dudley, Frank S. and J. K.)
- Dudley Lock Corporation. (See Hope, S. N., and Drath, assignors.)
- Dudley, Oscar E., and C. Lucid, Houston, Tex., assignors to The Texas Company, New York, N. Y. Creating artificial seismic waves. 1,943,725; Jan. 16.
- Dudley, Robert S., Chicago, Ill. Safety signal light. 1,956,436; Apr. 24.
- Dudley, Rollin W. (See Rush, L. E., and Dudley.)
- Du Donjon, Norbert J., Paris, France. Molding machine. 1,948,205; Feb. 20.
- Duecker, Werner W. (See Hamor, W. A., and Duecker.)
- Duell, Charles H. (See Gottfried, J., and Duell.)
- Duell, Charles H., assignor to International Cosmetic Company, Inc., New York, N. Y. Dispensing container. 1,958,101; May 8.
- Duell, Charles H., and E. E. Brisbane, New York, N. Y., and D. C. Clarke, Mountain Lakes, N. J., assignors to International Cosmetic Company, Inc., New York, N. Y. Dispensing apparatus. 1,962,860; June 12.
- Duemler, Virgil E., Maplewood, and G. R. Koeln, St. Louis, Mo., assignors, by mesne assignments, to The Cleveland Trust Company. Control system for power oil burners. 1,972,875; Sept. 11.
- Duerme, Francisco M., Chicago, Ill. Surgical instrument. 1,959,127; May 15.
- Duerr, Frank A., and E. A. Stierheim, Pittsburgh, Pa. Gas feeding device. 1,944,316; Jan. 23.
- Duesberg, Frederick R., East Greenbush, N. Y. Amusement device. 1,978,993; Oct. 30.
- Dufaycolor Ltd. (See Baker, T. T., Bonamico, and Grist, assignors.)
- Dufaycolor Limited. (See Chapman, Walter, assignor.)
- Duff, John D., Pittsburgh, and L. E. Dietrich, Crafton, Pa., assignors to P. Duff & Sons, Inc. Dehydrated flour mix and making same. 1,959,466; May 22.
- Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
- Duff, P., & Sons, Inc. (See Duff, J. D., and Dietrich.)
- Duff Patents Company. (See Bradley, J. R., and Christie, assignors.)
- Duffendack, Ora S. (See Rabezzana, H., and Duffendack.)
- Duffendack, Ora S., and R. A. Wolfe, Ann Arbor, Mich. Quantitative spectral analysis. 1,979,964; Nov. 6.
- Duffield, Horace B., Kansas City, Mo. Upholstering spring anchoring means. 1,952,059; Mar. 27.

- Duffy, Andrew, Santa Barbara, Calif. Folding table. 1,956,946; May 1.
- Duffy, Charles Hugh, Miami, Fla. Radio loud speaker. 1,958,423; May 15.
- Duffy, Edward J., and E. Boisseau, New York, N. Y. Printing press. 1,962,897; June 12.
- Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Flexible bearing. 1,963,940; June 19.
- Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Inspection door construction. 1,963,941; June 19.
- Duffy, James T., jr., Wynnewood, Pa., assignor to Pioneer Suspender Company, Suspenders. 1,946,901; Feb. 13.
- Duffy, James T., jr., Wynnewood, Pa., assignor to Pioneer Suspender Company, Stud. 1,962,711; June 12.
- Duffy, Joseph M. (See Affleck, M. H. S., and Duffy.)
- Duffy Manufacturing Company. (See Duffy, James F., assignor.)
- Duffy, Peter J., Houston, Tex. Locking and clamping means for core barrels. 1,960,620; May 29.
- Duffy, Peter J., Houston, Tex. Flush joint drill stem. 1,973,848; Sept. 18.
- Duffy, Thomas F., Scranton, Pa. Safety hook. 1,964,428; June 26.
- Duffy, Walter F. (See Irwin, William J., assignor.)
- Dufour, George H., Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Match packet holder. 1,972,925; Sept. 11.
- Dufour, Léon, Versoix, Switzerland. Motor propelled cultivator or garden-tractor. 1,975,417; Oct. 2.
- Dufschmid, Franz. (See Schlecht, L., Schubardt, and Dufschmid.)
- Dufschmid, Franz, Heidelberg, assignor to I. G. Farben-Industrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of metallic articles. 1,969,396; Aug. 7.
- Dugan, Hugh G., Hinsdale, Ill. Boat. 1,981,908; Nov. 27.
- Dugan, Hugh G., Hinsdale, Ill. Coat shield. 1,982,649; Dec. 4.
- Dugan, Joseph, Los Angeles, Calif. Radio direction and position indicating system. 1,959,264; May 15.
- Dugan, Peter J., Tuckahoe, N. Y., assignor of one-half to R. M. Sypher, Closter, N. J. Signal system for dumb-waiters and the like. 1,949,245; Feb. 27.
- Dugan, Thomas, assignor of one-half to R. B. Davis, Wichita, Kans. Airplane. 1,949,787; Mar. 6.
- Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Printing device. 1,945,264; Jan. 30.
- Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Apparatus for and method of removing distortions from printing plates. 1,960,840; May 29.
- Dugelay, Paul, assignor to Societe d'Exploitation de Brevets pour l'Industrie l'Aviation et l'Automobile (S. E. B. I. A.), Paris, France. Four cycle internal combustion engine. 1,971,176; Aug. 21.
- Duggan, Homer, Mimico, Ontario, and I. R. McHaffie, Montreal West, Quebec, Canada, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Apparatus for separation of gases. 1,980,791; Nov. 13.
- DuGrenier, Francis C., assignor of one-half to B. E. Bouchard, Haverhill, Mass. Coin-controlled dispensing machine. 1,948,650; Feb. 27.
- Du Grenier, Francis C., assignor of one-half to B. E. Bouchard, Haverhill, Mass. Coin controlled mechanism. 1,983,073; Dec. 4.
- Duhamel, Daniel J., Milford, assignor to The Bay Company, Bridgeport, Conn. Surgical bandage. 1,949,271; Feb. 27.
- Duhme, Emil, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Liquid level controlling means. 1,942,241; Jan. 2.
- Dühme, Emil, Berlin-Siemensstadt, and E. Crèmer, Berlin-Charlottenburg, assignors to Deutsche Edelstahlwerke Aktiengesellschaft, Crefeld, Germany. Making hard bodies. 1,979,372; Nov. 6.
- Duhrssen, Alfred, Newell, W. Va. Plate or similar article. Des. 91,924; Apr. 10.
- Duis, Glenn A., Streator, Ill. Synchronizing device. 1,960,773; May 29.
- Dujardin, Henri, Rye, N. Y. Chair. 1,948,341; Feb. 20.
- Dujardin, Henri, Rye, N. Y. Guide. 1,964,873; July 3.
- Dujardin, Henri, Rye, N. Y. Chair. 1,984,786; Dec. 18.
- Duke, Eliza W., Brooklyn, assignor, by mesne assignments, to W-R-M, Inc., New York, N. Y. Sound record. 1,963,079; June 19.
- Duke, Forrest J., et al. (See Patterson, Jardine C., assignor.)
- Duke, John D., Fort Valley, Ga., assignor, by mesne assignments, to The Carpenter-Hiatt Sales Company, Chicago, Ill. Facing form. 1,964,254; June 26.
- Duke, John R. H., Liss, England. Exercising apparatus. 1,956,498; Apr. 24.
- Duke, Lester A., Dallas, Tex. Display case. Des. 92,838; July 24.
- Duke, William V., Germantown, Pa., assignor to C. I. Johnson, Floral Park, N. Y. Water gas production. 1,949,563; Mar. 6.
- Dukes, Guy C., Kannapolis, N. C. Siphon system for slashers. 1,948,963; Feb. 27.
- Dukes, Israel, Philadelphia, Pa. Garment box and hanger therefor. 1,961,742; June 5.
- Dukes, Israel, Philadelphia, Pa. Garment hanger. 1,962,712; June 12.
- Dulaney, Fieldon, et al. (See Hill, Richard D., assignor.)
- Dulaney, J. R., et al. (See Hill, Richard D., assignor.)
- Dulaney, L. C., et al. (See Hill, Richard D., assignor.)
- Dulaney, Richard O., Fort Worth, Tex. Pumping mechanism. 1,967,746; July 24.
- Dulany, Helen H., Chicago, Ill. Salt and pepper shaker assembly. Des. 91,555; Feb. 20.
- Dulany, Helen H., Chicago, Ill. Cocktail shaker. 1,967,469; July 24.
- Dulik, Karl. (See Prüfer, H., and Dulik.)
- Dulken, Charles F., Arlington, N. J. Subsequent treatment of yarns and the like. 1,975,036; Sept. 25.
- Duluth Show Case Company. (See Hall, William S., assignor.)
- Dumais, Leo J., Chicago, Ill. Vacuum cleaner casing. Des. 92,648; July 3.
- Dumas, Eugene D., East Hartford, Conn. Ball grinding disk. 1,973,922; Sept. 18.
- Dumas, Maxwell G., Pittsburgh, Pa. Cooking utensil. 1,969,878; Aug. 14.
- Dumas, Maxwell G., Pittsburgh, Pa. Method of and apparatus for casting ingots, blooms, bars, etc. 1,973,893; Sept. 18.
- Dumas, Robert, Leamington Spa, England, assignor to General Electric Company. Filter for liquid and gas substances. 1,976,547; Oct. 9.
- Dumbelton, John. (See Katz, L., and Dumbelton.)
- Dumke, William C., Chicago, Ill. Clamp. 1,963,436; June 19.
- Dumm, Edwin J., Marion, Ohio. Vibration cushioning driving device. 1,967,052; July 17.
- Du Mont, Allen B., Upper Montclair, N. J. Cathode ray instrument for measuring electrical quantities. 1,960,333; May 29.
- Du Mont, Allen B., Upper Montclair, N. J., assignor, by mesne assignments, to Radio Corporation of America. Television system. 1,984,673; Dec. 18.
- Du Mont, Allen B., Upper Montclair, and R. M. Zimmer, Bloomfield, N. J., assignors, by mesne assignments, to Radio Corporation of America. Automatic aging and testing method and mechanism. 1,955,794; Apr. 24.
- Dumont, Allen B., and R. M. Zimmer, Bloomfield, N. J., assignors, by mesne assignments, to Radio Corporation of America. Exhaust machine. 1,967,571; July 24.
- Dumore Company, The. (See Beach, Royal A., assignor.)
- Dumser, Leo A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Back-lash compensator. 1,955,954; Apr. 24.
- Dumser, Leo A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 1,966,888; July 17.
- Dumser, Leo A., and P. S. Jackson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Actuating means for machine tools. 1,942,414; Jan. 9.
- Dumser, Leo A., and P. S. Jackson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic governor. 1,949,711; Mar. 6.
- Dumser, Leo A., and C. J. Schroeder, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 1,964,937; July 8.
- Dunagin, William A., assignor of one-eighth to U. B. Hughes, one-eighth to J. Modisett, and one-eighth to F. W. Sullivan, Laurel, Miss. Depth measuring device. 1,969,969; Aug. 14.
- Dunaway, Sanford J., assignor to The Expello Corporation, Dover, N. H. Cleaning implement. 1,975,451; Oct. 2.
- Dunbar, Blossom M., et al. (See Henry, William P., assignor.)
- Dunbar, Chester C., Kansas City, Kans. Sled cultivator. 1,983,350; Dec. 4.
- Dunbar, Henry F., Providence, R. I. Textile fabric or the like. Des. 91,925; Apr. 10.
- Dunbar, Herbert E., Kirkwood, assignor to International Shoe Company, St. Louis, Mo. Shoe. 1,969,970; Aug. 14.
- Dunbar, Herbert E., and M. P. Bringardner, assignors to International Shoe Company, St. Louis, Mo. Shoe. 1,958,135; May 8.
- Dunbar, Howard W., assignor to Norton Company, Worcester, Mass. Grinding machine having a motor driven wheel spindle. 1,948,848; Feb. 27.
- Dunbar, Howard W., assignor to Norton Company, Worcester, Mass. Swing frame grinding machine. 1,958,534; May 15.
- Dunbar, Howard W., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Crowning attachment for roll grinding machines. 1,970,000; Aug. 14.
- Dunbar, Howard W., and J. R. Whittles, assignors to Norton Company, Worcester, Mass. Swinging frame grinding machine. 1,972,217; Sept. 4.
- Dunbar, Thomas L., Watertown, N. Y. Treatment of sulphite pulp and liquor. 1,955,057; Apr. 17.
- Dunbar, Thomas L., Watertown, N. Y. Digesting process and apparatus. 1,974,420; Sept. 25.
- Dunbar, Thomas L., Watertown, N. Y. Method and apparatus for use in the digestion of fibrous material. 1,977,379; Oct. 16.
- Dunbar, Thomas L., Watertown, N. Y., and G. E. Fulton, Masson, Quebec, Canada, assignors to Chemipulp Process, Incorporated, Watertown, N. Y. Method and apparatus for the production of pulp. 1,983,793; Dec. 11.
- Dunbar, Ulric S. J. (See Sbicca, F. Baroni, and Dunbar.)
- Dunbrook, Raymond F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparing thiazoles. 1,960,205; May 22.

- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to California Packing Corporation, San Francisco, Calif. Fruit peeling, stemming, halving, and trimming method and apparatus. 1,950,718; Mar. 13.
- Duncan, Donald M., Parma, assignor to The Cleveland Shopping News, Cleveland, Ohio. High speed sheet delivery device. 1,950,880; Mar. 13.
- Duncan, Donald M., Parma, assignor to The Cleveland Shopping News Company, Cleveland, Ohio. Printing machinery. 1,975,654; Oct. 2.
- Duncan Electric Manufacturing Co. (See Holmes, Frederick, assignor.)
- Duncan, Harry C., Chicago, Ill. Gas mixing device. 1,978,702; Oct. 30.
- Duncan, Hugh M. (See Carnegie, A. Q., Duncan, and Parsons.)
- Duncan, James F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Collapsible shower curtain bracket. 1,960,969; May 29.
- Duncan, James K., assignor to Ditto, Incorporated, Chicago, Ill. Feeding mechanism for duplicating machines. 1,965,827; July 10.
- Duncan, James K., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph machine. 1,967,873; July 24.
- Duncan, James K., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 1,972,681; Sept. 4.
- Duncan, James K., and R. Weide, assignors to Ditto Inc., Chicago, Ill. Spindle and spindle receptacle. 1,955,489; Apr. 17.
- Duncan, James K., and C. N. Johnson, assignors to Ditto, Incorporated, Chicago, Ill. Feeding mechanism for rotary duplicators. 1,960,482; May 29.
- Duncan, James K., and C. N. Johnson, assignors to Ditto, Incorporated, Chicago, Ill. Rotary duplicator. 1,961,285; June 5.
- Duncan, James K., Chicago, and K. M. Henderson, Winnetka, Ill., assignors to Ditto Incorporated. Duplicating machine. 1,963,120; June 19.
- Duncan, James K., and D. H. Whitehead, Chicago, Ill., and N. T. Shepherd, Kansas City, Mo., assignors to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 1,972,731; Sept. 4.
- Duncan, Joseph S., and H. E. Hubbard, assignors to Addressograph Company, Chicago, Ill. Printing machine. 1,952,914; Mar. 27.
- Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Wired radio broadcasting system. 1,945,629; Feb. 6.
- Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Modulation system. 1,945,630; Feb. 6.
- Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Filter system. 1,946,574; Feb. 13.
- Duncan, Robert D., jr., East Orange, N. J., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Electron tube. 1,950,138; Mar. 6.
- Duncan, Robert D., jr., East Orange, N. J., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Vacuum tube circuit. 1,975,834; Oct. 9.
- Duncan, Thomas P., jr., Newport News, Va. Slide caster. 1,949,957; Mar. 6.
- Duncan, Thomas P., jr., Newport News, Va. Slide caster. 1,949,958; Mar. 6.
- Duncan, Thomas P., jr., Newport News, Va. Winding apparatus. 1,967,144; July 17.
- Duncan, William, Los Angeles, Calif. Bed lamp. Des. 91,648; Mar. 6.
- Duncan, William A., Statesville, N. C. Extension table. 1,973,894; Sept. 18.
- Duncan, William C. N., Mullewa, Western Australia, Australia. Combination lock. 1,945,424; Jan. 30.
- Dundon, Edna. (See Grosjean, Alfred, assignor.)
- Duner Company. (See Duner, John C., assignor.)
- Duner, John C., assignor to Duner Company, Chicago, Ill. Water closet. 1,948,101; Feb. 20.
- Duner, John C., assignor to Duner Company, Chicago, Ill. Water closet. 1,949,246; Feb. 27.
- Dunfield, Walter W., Yonkers, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Rubber adhesive. 1,943,423; Jan. 16.
- Dunfield, Walter W., Yonkers, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Rubber adhesive. 1,943,424; Jan. 16.
- Dunford, George B., St. Louis, Mo. Flowable coating composition. 1,948,906; Feb. 27.
- Dunham, C. A., Company. (See Crosthwait, David N., jr., assignor.)
- Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
- Dunham, C. A., Company. (See Dwyer, Lawrence P., assignor.)
- Dunham, C. A., Company. (See Randel, B. F., assignor.)
- Dunham, C. A., Company. (See Van Zandt, John H., assignor.)
- Dunham, Charles L., Wellsburg, W. Va., assignor of one-half to B. Pink, New York, N. Y. Nut lock. 1,945,216; Jan. 30.
- Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Heat control radiator valve. 1,975,635; Oct. 2.
- Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Heating system. 1,983,218; Dec. 4.
- Dunham Company, The. (See Dunham, Ray E., assignor.)
- Dunham, Henry V., Bainbridge, N. Y. Adhesive. 1,971,522; Aug. 28.
- Dunham, Henry V., Bainbridge, N. Y. Transparent film or layer. 1,981,588; Nov. 20.
- Dunham, Henry V., Bainbridge, assignor, by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Sized paper. 1,965,693; July 10.
- Dunham, Julius C., assignor of one-fourth to C. E. Abbott, Pensacola, Fla. Nonrefilling device for liquid containers. 1,960,532; May 29.
- Dunham, Leroy S., East Orange, and A. F. Robertson, Belleville, assignors to Edison-Splitdorf Corporation, West Orange, N. J. Reversible impulse coupling. 1,947,126; Feb. 13.
- Dunham, Ray E., assignor, by mesne assignments, to The Dunham Company, Berea, Ohio. Tillage combine. 1,947,127; Feb. 13.
- Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Soluble drier for paints and varnishes. 1,982,048; Nov. 27.
- Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Reclaiming spent doctor solutions. 1,982,577; Nov. 27.
- Dunkel, Manfred, Mannheim, E. Dorrer, and W. Breuers, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of hydrogenated aromatic hydrocarbons or derivatives thereof. 1,965,956; July 10.
- Dunkel, Manfred, Cologne, W. Breuers, Ludwigshafen-on-the-Rhine, and W. Wolff, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of compound glass. 1,969,397; Aug. 7.
- Dunkelberger, Milton S., Dayton, Ohio. Illuminated artificial Christmas tree. Des. 93,006; Aug. 14.
- Dunkelberger, Milton S., Dayton, Ohio. Fishing rod. 1,965,796; July 10.
- Dunker, Henry C. L., Helsingborg, Sweden. Manufacture of press-molded rubber footwear with high heels. 1,977,576; Oct. 16.
- Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Textile roll and making the same. 1,943,215; Jan. 9.
- Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Method of and machine for manufacturing paper cones. 1,946,198; Feb. 6.
- Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Container. 1,952,240; Mar. 27.
- Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Vessel for collecting turpentine gum. 1,965,138; July 3.
- Dunlap, Charles W. (See Anderson, J. E., and Dunlap.)
- Dunlap, Lucy W. (See Van Brunt, G. W., and Dunlap.)
- Dunlap, Marshall N., Chicago, Ill., assignor of one-half to A. Molden, Sioux City, Iowa. Saucepan lid. 1,948,849; Feb. 27.
- Dunlevy, Paul C. (See Mooney, Howard B., assignor.)
- Dunlop Cotton Mills Limited. (See Andrew, T. E., and Langstreth, assignors.)
- Dunlop Cotton Mills Limited, et al. (See Langstreth, Melon, assignor.)
- Dunlop, Greig, Saskatoon, Saskatchewan, Canada. Wheel alignment and turning mechanism for trailer cars. 1,980,751; Nov. 13.
- Dunlop, James, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company. Elevator safety device. 1,948,746; Feb. 27.
- Dunlop, James, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company. Elevator-guide-rail lubricator. 1,948,747; Feb. 27.
- Dunlop Rubber Company. (See Gifford, Harold S., assignor.)
- Dunlop Rubber Company. (See Gorham, Walter G., assignor.)
- Dunlop Rubber Company. (See Madge, Evelyn W., assignor.)
- Dunlop Rubber Company. (See Madge, E. W., and Ward, assignors.)
- Dunlop Rubber Company. (See Murphy, Edward A., assignor.)
- Dunlop Rubber Company. (See Murphy, E. A., and Gorham, assignors.)
- Dunlop Rubber Company. (See Twiss, D. F., and Neale, assignors.)
- Dunlop Rubber Company Limited. (See Goodhall, S. N., and Brentnall.)
- Dunlop Rubber Company Limited. (See Goodyear, E., and Wright, assignors.)
- Dunlop Rubber Company Limited. (See Goodyear, E. F., and Wright, assignors.)
- Dunlop Rubber Company Limited. (See Goodyear, E. F., Wright, and Trevaskis, assignors.)
- Dunlop Rubber Company Limited. (See Lane, F. H., Madge, and Murphy, assignors.)
- Dunlop Rubber Company Limited. (See Lee, R. F., and Bloxham, assignors.)
- Dunlop Rubber Company Limited. (See Madge, Evelyn W., assignor.)
- Dunlop Rubber Company Limited. (See Madge, E. W., and Ward, assignors.)
- Dunlop Rubber Company, Limited. (See Murphy, Edward A., assignor.)
- Dunlop Rubber Company Limited. (See Murphy, E. A., and James, assignors.)

- Dunlop Rubber Company Limited. (See Murphy, E. A., Niven, and Twiss, assignors.)
- Dunlop Rubber Company Limited. (See Murphy, E. A., and Owen, assignors.)
- Dunlop Rubber Company Limited. (See Murphy, E. A., and Twiss, assignors.)
- Dunlop Rubber Company Limited. (See Murphy, E. A., Twiss, and James, assignors.)
- Dunlop Rubber Company Limited. (See Patterson, Philip D., assignor.)
- Dunlop Rubber Company Limited. (See Tauber, S., and Fischmann, assignors.)
- Dunlop Rubber Company Limited. (See Trobridge, Geoffrey W., assignor.)
- Dunlop Rubber Company Limited. (See Twiss, D. F., and Murphy, assignors.)
- Dunlop Rubber Company Limited. (See Twiss, D. F., Murphy, and James, assignors.)
- Dunlop Rubber Company Limited. (See Twiss, D. F., Murphy, and Niven, assignors.)
- Dunlop Tire & Rubber Corporation. (See Hardeman, W. E., and Tompkins, assignors.)
- Dunlop Tire and Rubber Corporation. (See McChesney, Cuyler S., assignor.)
- Dunlop Tire and Rubber Corporation. (See Nash, John R., assignor.)
- Dunlop Tire & Rubber Corporation. (See Quinton, Ernest E., assignor.)
- Dunlop Tire & Rubber Corporation. (See Sadler, Seth, assignor.)
- Dunlop Tire and Rubber Corporation. (See Twiss, D. F., Carpenter, and Neale, assignors.)
- Dunlop Tire and Rubber Corporation. (See Willshaw, Harry, assignor.)
- Dunlop Tire and Rubber Corporation. (See Willshaw, H., Smith, and Davenport, assignors.)
- Dunmire, Russell P. (See Rodman, C. J., and Dunmire.)
- Dunmore, Francis W., Washington, D. C., assignor to The Government of the United States, represented by the Secretary of Commerce. Pointer type course indicator. 1,981,589; Nov. 20.
- Dunmore, Francis W., assignor to the Government of the United States as represented by the Secretary of Commerce, Washington, D. C. Deviometer. 1,981,857; Nov. 27.
- Dunn, Alonzo M., Perryton, Tex. Woodworking tool. Des. 93,763; Nov. 6.
- Dunn, Andrew C., Rockford, Ill. Door control apparatus. 1,966,956; July 17.
- Dunn, Andrew C., Rockford, Ill. Door closer. 1,966,957; July 17.
- Dunn, Edward L., Montclair, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator control. 1,949,788; Mar. 6.
- Dunn, Edward L., Montclair, N. J., assignor to Otis Elevator Company, New York, N. Y. Closure operating mechanism. 1,970,286; Aug. 14.
- Dunn, Edward P., Ferny Creek, Victoria, Australia. Slag treatment and apparatus therefor. 1,962,270; June 12.
- Dunn, Francis L., Pittsburgh, Pa., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card punching device. 1,976,606; Oct. 9.
- Dunn, Frank B., Conneaut, Ohio. Brick-lug forming mechanism. 1,960,101; May 22.
- Dunn, George T., et al. (See Carson, Lee L., assignor.)
- Dunn, Glenn O., Chicago, Ill. Hat holder. 1,953,396; Apr. 3.
- Dunn, Holbert E. (See Saklatwalla, B. D., and Dunn.)
- Dunn, Holbert E. (See Saklatwalla, B. D., Dunn, and Marshall.)
- Dunn, Holbert E. (See Walker, G. E., Marshall, and Dunn.)
- Dunn, Irwin L., H. F. Wright, and H. S. Crooks, Tulsa, Okla. Pressure recording gauge. 1,946,575; Feb. 13.
- Dunn, Irwin L., H. F. Wright, and H. S. Crooks, Tulsa, Okla. Pressure recording gauge. 1,946,576; Feb. 13.
- Dunn, Jerry J., Ellwood City, Pa., assignor to National Tube Company. Expanding plug or mandrel. 1,951,087; Mar. 13.
- Dunn, Jerry J., Ellwood City, and P. C. Patterson, McKeesport, Pa., assignors to National Tube Company. Making seamless tubes. 1,942,541; Jan. 9.
- Dunn, John D., Clifton, N. J. Plaster cutting tool. 1,975,357; Oct. 2.
- Dunn, John J., and E. C. Wright, Ellwood City, Pa., assignors to National Tube Company. Piercing point. 1,950,938; Mar. 13.
- Dunn, John L. (See Etter, T., and Dunn.)
- Dunn, John S., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Purification of sulphur. 1,967,874; July 24.
- Dunn, John W., Los Angeles, Calif. Venetian blind operating mechanism. 1,941,830; Jan. 2.
- Dunn, Ralph J., and H. D. McLean, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Perforated corset material and making the same. 1,981,909; Nov. 27.
- Dunn, Robert J., Chicago, Ill. Brush. 1,978,489; Oct. 30.
- Dunn, Thomas E., Bridgeport, Conn., assignor to The Bullard Company. Electrochemical process for removing scale and oxide from the surface of stainless steel. 1,954,473; Apr. 10.
- Dunn, William C. (See Huber, Horace H., assignor.)
- Dunn, William G., Clarinda, Iowa. Abrasive and holder therefor. 1,955,848; Apr. 24.
- Dunn, William L., assignor to Sprague Specialties Company, Quincy, Mass. Electric circuit arrangement for discharge tubes. 1,949,564; Mar. 6.
- Dunnebie, Max. (See Winkler, A., and Dunnebie.)
- Dunner, Julius, assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y. Artificial eyes for dolls, toys, and the like. 1,979,321; Nov. 6.
- Dunning, Luther T., Norfolk, Va. Metal window screen. 1,974,798; Sept. 25.
- Dunning, Merrick T., Seattle, Wash. Heading tab for journals and the like. 1,965,797; July 10.
- Dunning, Orville M., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electromechanical translating device. 1,977,433; Oct. 16.
- Dunphy, Raymond A., Penns Grove, N. J., assignor, by mesne assignments, to Kinetic Chemicals, Incorporated, Wilmington, Del. Purification of organic halo-fluorocompounds. 1,946,199; Feb. 6.
- Dunphy, Walter M. (See Brede, Martin J., assignor.)
- Dunscombe, Carroll, Stuart, Fla., assignor to American Wire Fence Company, Chicago, Ill. Tennis net. 1,959,574; May 22.
- Dunsheath, Percy, Kent, assignor to W. T. Henley's Telegraph Works Company Limited, London, England. Joint between relatively moving members adapted to resist plastic metal under pressure. 1,949,459; Mar. 6.
- Dunstan, Albert E., London, and R. V. Wheeler, Sheffield, England, assignors, by mesne assignments, to Gasoline Products Company Incorporated. Treatment of hydrocarbon gases. 1,976,717; Oct. 16.
- Dunton, Harold J., San Andreas, assignor to Calaveras Cement Co., San Francisco, Calif. Grinding Portland cement. 1,943,817; Jan. 16.
- Dunwoodie, David M., Trotwood, Ohio. Wire bending machine. 1,960,732; May 29.
- Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery container. 1,983,219; Dec. 4.
- Dunzweiler, Carl J., and M. W. Severance, assignors to Willard Storage Battery Company, Cleveland, Ohio. Specific gravity indicator. 1,956,984; May 1.
- Du Par, Paul W., Los Angeles, Calif. Liquid dispenser. Des. 91,479; Feb. 13.
- Du Pernell, Otto. (See Horan, J. J., and Du Pernell.)
- Duplan Silk Corporation. (See Fischer, Henry H. C., assignor.)
- Duplan Silk Corporation. (See Geier, Conrad W., assignor.)
- Duplan Silk Corporation. (See Lewin, I., and Geier, assignors.)
- Duplicate Corporation. (See Fix, E. L., and Dennison, assignors.)
- Duplicate Corporation. (See Haux, Elmer H., assignor.)
- Duplicate Corporation. (See Lytle, William O., assignor.)
- Duplicate Corporation. (See Macht, Maurice L., assignor.)
- Duplicate Corporation. (See Morris, Paul R., assignor.)
- Duplicate Corporation. (See Sherts, James H., assignor.)
- Duplicate Corporation. (See Smith, Charles E., assignor.)
- Duplicate Corporation. (See Wynd, John, assignor.)
- Dupler, Raymond R., Toledo, Ohio. Lamp. Des. 92,888; July 31.
- Dupler, Raymond R., Toledo, Ohio. Lamp. 1,957,763; May 8.
- Duplessis, Charles V. E. (See Brandenberger, J. E., and Duplessis.)
- Duplessis, Milton P., Grand Rapids, Mich. Illuminating device. 1,960,621; May 29.
- Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe support. 1,957,581; May 8.
- Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buffing machine. 1,964,043; June 26.
- Duplex Envelope Company, The. (See Schmid, Charles P., assignor.)
- Duplex Printing Press Company. (See Dean, Edmund W., assignor.)
- Duplex Printing Press Company. (See Farley, Marcus M., assignor.)
- Du Pont, Anthony W., Bristol, R. I. Wave power plant. 1,960,622; May 29.
- Du Pont Cellophane Company. (See Becker, Logan A., assignor.)
- Du Pont Cellophane Company. (See Charch, William H., assignor.)
- Du Pont Cellophane Company. (See Charch, W. H., Hyden, and Finzel, assignors.)
- Du Pont Cellophane Company. (See Charch, W. H., Hyden, and Siemann, assignors.)
- Du Pont Cellophane Company. (See Cohn, Adolph H., assignor.)
- Du Pont Cellophane Company. (See Müller, Rudolf, assignor.)
- Du Pont Cellophane Company. (See Munson, J. M., and Becker, assignors.)
- Du Pont Cellophane Company. (See Neumiller, Harry J., assignor.)
- Du Pont Cellophane Company. (See Snyder, James E., assignor.)
- Du Pont Cellophane Company. (See Voss, Julius, assignor.)
- Du Pont Cellophane Company, Inc. (See Brandenberger, Jacques E., assignor.)
- Du Pont Cellophane Company, Inc. (See Brandenberger, J. E., and Duplessis, assignors.)

- Du Pont Cellophane Company, Inc. (See Charch, W., and Finzel, assignors.)
 Du Pont Cellophane Company, Inc. (See Evans, D. F., and Coleman, assignors.)
 Du Pont Cellophane Company, Inc. (See Herrmann, Otto, assignor.)
 Du Pont Cellophane Company, Inc. (See Ostwald, Ulrich, assignor.)
 Du Pont Cellophane Company, Inc. (See Price, Lincoln C., assignor.)
 Du Pont Cellophane Company, Inc. (See Prindle, Karl E., assignor.)
 Du Pont Cellophane Company, Inc. (See Wright, Henry H., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Adamson, William A., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Ainslie, T. D., and McKeown, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Alt, C. A., Graebner, and Moffett, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Alvarado, A. M., and Parrett, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Arnold, Herrick R., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Aydelotte, C. J., Caverly, and Wright, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Barrett, Harold J., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Barrett, H. J., and Dorough, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Bateman, A. W., and Thomas, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Beard, Earl E., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Beekley, John S., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Bengel, Ernest B., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Berger, Ernst K. H., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Berliner, Julius, F. T., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Bishop, O. M., and Darlington, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Bishop, O. M., and Johnson, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Bishop, O. M., and Perkins, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Bond, G. R., Jr., and Davis, assignors.)
 Du Pont, E. I., de Nemours and Company. (See Bond, Harlan A., assignor.)
 Du Pont, E. I., de Nemours and Company. (See Bond, H. A., and Smith, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Bousquet, E. W., and Tisdale, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Bradshaw, Hamilton, assignor.)
 Du Pont, E. I., de Nemours & Company. (See Bridgman, P. W., and Conant, assignors.)
 Du Pont, E. I., de Nemours and Company. (See Brown, Mortimer J., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Buckley, J. E., and Doran, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Burdick, Charles L., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Burke, Charles E., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Burke, C. E., and McGill, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Burke, J. P., and Doran, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Buxbaum, E. C., and Lee, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, William S., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Carter, and Downing, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Cheney, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Douglass, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Downing, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Foreman, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Lee, and Bake, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Parmelee, and Meschter, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Parmelee, and Stecher, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carlisle, Paul J., assignor.)
 Du Pont, E. I., de Nemours and Company. (See Carlisle, P. J., and Dangelmajer, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Berchet, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., Berchet, and Jacobson, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Carpenter, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Coffman, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Collins, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., Collins, and Kirby, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Jacobson, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Kirby, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Carpenter, Gilbert B., assignor.)
 Du Pont, E. I., de Nemours and Company. (See Castner, J. B., and Powers, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Clarkson, Richard G., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Cochran, Paul B., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Coffman, Donald D., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Cole, John E., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Collins, Arnold M., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Collins, A. M., and Larson, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Conaway, Rollin F., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Dahlen, Miles A., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., Black, and Fochey, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Etzelmler, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Fochey, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Friedrich, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Zwilmeyer, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Daudt, Herbert W., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Davis, Clark W., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Deinet, Joseph, assignor.)
 Du Pont, E. I., de Nemours & Company. (See Deinet, J., and Katz, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Dettwyler, W., and Gubelmann, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Dietz, J. B., and Oeffinger, assignors.)
 Du Pont, E. I., de Nemours and Company. (See Douglass, William A., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Bake, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Downing, F. B., Carter, and Hutton, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Clarkson, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Downing, F. B., Clarkson, and Hannum, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Downing, F. B., Clarkson, and Wolf, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Walker, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Draves, C. Z., Lubs, and Walker, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Du Chaffaut, Roger, assignor.)
 Du Pont, E. I., de Nemours & Company. (See Dunn, R. J., and McLean, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Duus, Hans C., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Dykstra, H. B., and Lawson, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Ellsworth, Deane C., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Embardt, J. C., McNair, and Schwartz, assignors.)
 Du Pont, E. I., de Nemours and Company. (See Ernst, Arthur H., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Etienne, A., and du Chaffaut, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Fassnacht, Hartwell H., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Fothergill, R. E., and Hahn, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Gauerke, Chester G., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Gent, K. T., and Johnson, assignors.)
 Du Pont, E. I., de Nemours and Company. (See Gilbert, Harvey N., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Goodrich, R. J., and Gubelmann, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Graves, G. D., and Lawson, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Greenewalt, Crawford H., assignor.)
 Du Pont, E. I., de Nemours & Company. (See Gubelmann, Ivan, assignor.)
 Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., and Dettwyler, assignors.)
 Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., and Goodrich, assignors.)

- Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., Goodrich, and Dettwyler, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., and Henke, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., Weiland, and Gottlieb, assignors.)
- Du Pont, E. I., de Nemours & Company et al. (See Handforth, Stanley L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Hannum, Chester W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Harding, E. A., and Holt, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Hitch, Emmet F., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Hitch, E. F., Dahlen, and Friedrich, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Holmes, F. B., and Dahlen, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Holt, Donald A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Holt, Harold S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Holt, L. C., and Daudt, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Hopkins, Horace H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Hopkins, H. H., and McDermott, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Hopkins, H. H., and Richardson, jr., assignors.)
- Du Pont, E. I., de Nemours & Company. (See Hopkins, H. H., and Stewart, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Howell, Edward T., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Hucks, Robert T., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Hunt, J. K., and Latham, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Iliff, J. W., and Robinson, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Iliff, J. W., and Young, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Izard, Emmette F., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Jacobson, Ralph A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Johnson, Alfred J., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Johnson, N. G., and Lewis, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Johnson, N. G., and Woodbury, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Jones, D. O., and Krug, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Jordan, H., and Dahlen, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Kern, Jean G., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Kern, J. G., and Sala, assignors.)
- Du Pont, E. I., de Nemours and Company. (See Kharasch, Morris S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Kirst, W. E., Lewis, and Ver Bryck, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Kirst, W. E., and Thedieck, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Knowles, Francis, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Larchar, Arthur W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Larson, Alfred T., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lawson, Walter E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lawson, W. E., and Sandborn, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lee, H. R., and Buxbaum, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Lenher, S., and Kistiakowsky, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Levine, Arthur A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lewis, Harold A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lewis, H. A., and Woodbury, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Linster, J. T., Pray, and Lubs, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Lubs, Herbert A.)
- Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Cole, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Strouse, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Walker, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Lulek, Ralph N., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Macallum, Alexander D., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Marvin, C. J., and Walker, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Mattison, Edwin L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See McCormick, F. H., and Schwartz, assignors.)
- Du Pont, E. I., de Nemours & Company. (See McKeown, James, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Melvin, William S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Morrison, M. H., and Nollau, assignors.)
- Du Pont, E. I., de Nemours and Company. (See Muckenfuss, Anthony M., assignor.)
- Du Pont, E. I., de Nemours and Company. (See Muckenfuss, A. M., and Hansley, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Murphy, Arthur R., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Murray, H. A., jr., and Patterson, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Nebel, Walter, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Nickwitz, Max N., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Nollau, Edgar H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Parmelee, Alfred E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Parrett, Arthur N., assignor.)
- Du Pont, E. I., de Nemours & Co. (See Patterson, G. D., and Shive, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Perkins, Melvin A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Perkins, M. A., and Bishop, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Person, Earl E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Powers, Donald H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Reichert, Joseph S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Reid, E. E., and Schwartz, assignors.)
- Du Pont, E. I., de Nemours and Company. (See Richardson, Roger W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Richardson, R. W., and Schneider, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Salzberg, P. L., and Meigs, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Schulenburg, Wilhelm, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Schwartz, George L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Swarta, George L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Sease, Virgil B., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Smith, F. H., and Black, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Spaeth, Charles P., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Stallman, Otto, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Stanley, Wendell M., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Starkweather, Howard W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Stauffer, William O., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Svanoe, Hans, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Taylor, Fred L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., and Hansen, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., and Spiegler, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Tisdale, W. H., and Williams, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Tyler, Chaplin, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Vail, Walter E., assignor.)
- Du Pont, E. I., de Nemours and Company. (See Vose, Richard S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Weber, A. G., and Schneider, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Weiland, H. J., Henke, and Etzel, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Weiland, H. J., Henke, and Prah, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Whelen, Myron S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Whitescarver, W. F., and Hopkins, assignors.)
- Du Pont, E. I., de Nemours and Company. (See Williams, Carl S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Williams, Ira, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Williams, L. Douglass, and Neal, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Williams, L., and Neal, assignors.)

- Du Pont, E. I., de Nemours & Company. (See Williams, I., and Walker, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Woodbury, Clifford A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Woodward, Harold E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Wrightsman, Philip G., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Wuertz, Alexander J., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Zimmerli, A., and Lyon, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Zimmerli, William F., assignor.)
- Du Pont, E. I., de Nemours & Company, Incorporated, The. (See Harris, Charles R., assignor.)
- Du Pont, Eleuthere P., Wilmington, Del., and G. B. Weaver, assignors to Indian Motorcycle Company, Springfield, Mass. Convertible motorcycle chassis. 1,956,319; Apr. 24.
- Du Pont Film Manufacturing Corporation. (See Doorbar, John H., assignor.)
- Du Pont Film Manufacturing Corporation. (See Holzwarth, Charles, assignor.)
- Du Pont Film Manufacturing Corp. (See Kinloch, Donald H., assignor.)
- Du Pont Film Manufacturing Corporation. (See Marasco, Martin, assignor.)
- Du Pont, Francis J., Wilmington, Del. Apparatus for recovering material used in gravity separation. 1,949,117; Feb. 27.
- Dupont, Jean G., Chicago, Ill. Garment protector. 1,964,938; July 3.
- Du Pont, Peyton. (See Wilson, Stephen F., assignor.)
- Du Pont Rayon Company. (See Banigan, Thomas F., assignor.)
- Du Pont Rayon Company. (See Banigan, Thomas F., assignor.)
- Du Pont Rayon Company. (See Bohannon, Van L., and Swezey, assignors.)
- Du Pont Rayon Company. (See Chandler, Carroll F., assignor.)
- Du Pont Rayon Company. (See Girardet, Francois, assignor.)
- Du Pont Rayon Company. (See Haskins, J. F., and Schulze, assignors.)
- Du Pont Rayon Company. (See Jacquet, Philibert J., assignor.)
- Du Pont Rayon Company. (See Kline, Emil, assignor.)
- Du Pont Rayon Company. (See Kraft, Frederick G., assignor.)
- Du Pont Rayon Company. (See Ladrette, Jean, assignor.)
- Du Pont Rayon Company. (See Parker, Harold H., assignor.)
- Du Pont Rayon Company. (See Toole, H. S., and Mitchell, assignors.)
- Dupont Rayon Company. (See Wagner, Albert, assignor.)
- Du Pont Viscoloid Company. (See Bren, Bozotech C., assignor.)
- Du Pont Viscoloid Company. (See Crane, P. W., and Fields, assignors.)
- Dupont Viscoloid Company. (See Donaldson, Alfred S., assignor.)
- Dupont Viscoloid Company. (See Donaldson, A. S., and Slipp, assignors.)
- Dupont Viscoloid Company. (See Eskew, Roderick K., assignor.)
- Du Pont Viscoloid Company. (See Kaufman, Herman, assignor.)
- Du Pont Viscoloid Company. (See Person, Earl R., assignor.)
- Dupre, Louis M., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibrating screen for molding. 1,962,734; June 12.
- Dupre, Philip. (See Gorsuch, H. F., and Dupre.)
- Dupuis, George J., Attleboro, Mass. Reed moving mechanism. 1,946,394; Feb. 6.
- Dupuy, Charles, Mahwah, N. J. Evaporating device. 1,774,414; Sept. 25.
- Dupuy, Louis E. (See Keller, H. C., and Dupuy.)
- Dupuy, Louis E., assignor to The Lamson Company, Syracuse, N. Y. Conveyor. 1,944,734; Jan. 23.
- Dupuy, Louis E., assignor to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,945,482; Jan. 30.
- Dupuy, Louis E., assignor to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,974,042; Sept. 18.
- Du Puy, Richard R., St. Paul, Minn. Tone modulating horn for loud speakers. 1,973,200; Sept. 11.
- Du Puy, Richard R., assignor to Wright, De Coster, Inc., St. Paul, Minn. Loud speaker cone. 1,944,861; Jan. 23.
- Dunoy, Victor E., Paris, France. Rail bond. 1,979,533; Nov. 6.
- Duquaine, Cecil L., Menominee, Mich. Automobile door locking means. 1,947,761; Feb. 20.
- Duquette, Edward P., Spencer, Mass. Signaling device. 1,959,948; May 22.
- Dur Koppwerke Aktiengesellschaft. (See Müller, Franz H., assignor.)
- Dura Company, The. (See Floraday, Burton S., assignor.)
- Dura Company, The. (See Miller, Dorr, assignor.)
- Durable Mat Company. (See Lyons, Charles T., assignor.)
- Durable Toy Novelty Company. (See Striss, Jacob D., assignor.)
- Durable Toy and Novelty Corporation. (See Striss, Jacob D., assignor.)
- Durafer (Inc.). (See Geisler, William A., assignor.)
- Durafer (Inc.). (See Sargent, William D., assignor.)
- Durafer (Inc.). (See Sargent, W. D., and Geisler, assignors.)
- Duraloy Company, The. (See Carpenter, O. K., Griffith, and Menough, assignors.)
- Duraloy Company, The. (See Menough, Paul S., assignor.)
- Durn, Nicolás, Mexico, Mexico. Calculating device. 1,955,672; Apr. 17.
- Durand, Emile P., Huntington, N. Y. Sanitary automatic server. 1,964,623; June 26.
- Durand & Huguenin S. A. (See Bodmer, E., and Neitzel, assignors.)
- Durand & Huguenin S. A. (See Hug, E., and Müller, assignors.)
- Durand & Huguenin S. A. (See Roulet, Jean-Jacques, assignor.)
- Durand, Marcel P., St. Germain en Laye, France. Spooling machine. 1,975,037; Sept. 25.
- Durando, Eugene G. (See Clithero, S. D., and Durando.)
- Durant, Albert A., Honolulu, Hawaii. Thermally controlled circuit breaker. 1,982,984; Dec. 4.
- Durant, John D., Detroit, Mich. Liquid gauge. 1,969,783; Aug. 14.
- Durant, Walter W., and P. H. Scrutchfield, Pittsfield, Mass., assignors to General Electric Company. Resinous composition. 1,975,569; Oct. 2.
- Durbin, Frank M. (See Firestone, F. A., and Durbin.)
- Durbin, Stanley H., assignor to Gifford-Wood Company, Hudson, N. Y. Automatic gate for trolley buckets and the like. 1,969,598; Aug. 7.
- Durbin, Vernon, Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Signal station front. Des. 93,548; Oct. 9.
- Durbin, Vernon, Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signal station front. Des. 93,549; Oct. 9.
- Durbin, Votaw S., St. Louis, Mo. Galvanized malleable iron and producing same. 1,944,227; Jan. 23.
- Durdin, Augustus C., Jr., Chicago, Ill. Vacuum condensation pump. 1,971,775; Aug. 28.
- Durdin, Augustus C., 3d., assignor to Chicago Pump Company, Chicago, Ill. Portable cooler. 1,948,857; Jan. 16.
- Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Pump. 1,959,710; May 22.
- Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Screen. 1,960,303; May 29.
- Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Priming apparatus for centrifugal pumps. 1,971,774; Aug. 28.
- Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Automatic control mechanism for electric motors. 1,982,578; Nov. 27.
- Durell, Edward. (See Mobley, Ora J., assignor.)
- Durell, George B., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Making golf club shafts. 1,983,074; Dec. 4.
- Dürrer Metallwerke Aktiengesellschaft. (See Meissner, Karl L., assignor.)
- Durex Products, Inc. (See Hay, Rene M., assignor.)
- Durham Duplex Razor Company. (See Hueber, Victor B., assignor.)
- Durham, Fred D. (See Kirn, R. E., and Durham.)
- Durham, Fred S., Catasauqua, assignor to Nassau Products, Allentown, Pa. Welding union. 1,966,403; July 10.
- Durham, Hobart N. (See Sadler, Helena S., assignor.)
- Durham, Hobart N., Munsey Park, N. Y. Permanent waving. 1,958,944; May 15.
- Durham, Hobart N., Jackson Heights, N. Y., assignor to R. Peale, St. Benedict, Pa.; W. S. Davies, New York, N. Y., and W. B. Oakes, Rutherford, N. J., trustees. Mechanism for separating intermixed divided materials. 1,961,743; June 5.
- Durham, Hobart N., Jackson Heights, N. Y., assignor to The Goss Printing Press Company, Chicago, Ill. Web renewing mechanism. 1,962,928; June 12.
- Durham, Phipps F., Fredericksburg, Tex. Vapor lamp generator. 1,978,253; Oct. 23.
- Durholz, Otto B., Paterson, N. J. Variable focus lens unit. 1,950,166; Mar. 6.
- During, William J., Syracuse, N. Y., and Nathan Lester, Cleveland, Ohio, assignors to Precision Castings Company, Inc., Syracuse, N. Y. Die-casting machine. 1,954,775; Apr. 10.
- During, William J., Syracuse, N. Y., and N. Lester, Cleveland, Ohio, assignors to Precision Castings Company, Inc., Syracuse, N. Y. Die-casting machine. 1,960,992; May 29.
- Duriron Company, The. (See Jacobsen, Oystein, assignor.)
- Duriron Company, The. (See Parsons, James A., assignor.)
- Durivage, Herman L., Toledo, Ohio. Valve-spring lifter tool. 1,972,553; Sept. 4.
- Durkee-Atwood Company. (See Brown, Gordon C., assignor.)
- Durkee, Ernest W., Lynn, Mass. Last centering device. 1,976,841; Oct. 16.
- Durkee, Frederick M. (See Wharton, Edward R., assignor.)
- Durkee, Maurice M., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Heat transfer with viscous liquids. 1,961,744; June 5.

- Dürkopp-Werke A.-G. (See Mischke, Karl, assignor.)
 Dürkopp-Werke A.-G. (See Schambach, H., and Müller assignors.)
 Durner, Loren, Waterbury, Conn. Pressure gauge damping device. 1,943,954; Jan. 16.
 Durain, Joseph V., Allentown, Pa. Thermostatic valve device. 1,959,265; May 15.
 Durning, James P., St. Albans, N. Y., assignor to International Cigar Machinery Company. Dust remover for scrap bunch cigar machines. 1,981,497; Nov. 20.
 Duro Company, The. (See Zimmerman, Arthur C., assignor.)
 Duroi Products Corporation. (See Werner, Charles P. assignor.)
 Dur-O-Lite Pencil Company. (See Lynn, John P., assignor.)
 Duro Metal Products Company. (See Johnson, Colvin L., assignor.)
 Duro Metal Products Company. (See McNaught, N. F., and Peterson, assignors.)
 Dürr, Ludwig, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Light weight girder for aircraft. 1,943,256; Jan. 9.
 Dürr, Ludwig, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Carburetor. 1,972,982; Sept. 11.
 Durrant, Cyril L. (See Durrant, George and C. L.)
 Durrant, George and C. L., Stockport, England. Selvedge printing machine for printing trade-marks on cloth and the like. 1,942,749; Jan. 9.
 Durrin, Lewis E., San Jose, Calif. Attachment for splitting knives. 1,975,199; Oct. 2.
 Durrin, Lewis E., San Jose, Calif. Attachment for paring knives. 1,975,200; Oct. 2.
 Durs, James, Allentown, Pa. Harness stop motion for looms. 1,959,232; May 15.
 Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)
 Duryea, O. C., Corporation. (See Norbom, Einar B., assignor.)
 Duryea, O. C., Corporation. (See Simonson, Sigvard, assignor.)
 Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,948,787; Feb. 27.
 Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,961,180; June 5.
 Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,974,017; Sept. 18.
 Dusablon, Henry, Chicago, Ill. Building construction. 1,944,787; Jan. 23.
 Dushner, Henry W., Kew Gardens, N. Y. Calculator and direct reading humidity indicator. 1,972,089; Sept. 4.
 Dussmann, August, Aschaffenburg, Germany. Fuel pump for Diesel engines. 1,949,789; Mar. 6.
 Dustan, Frank, Galt, Ontario, Canada. Quartering and pin turning apparatus. 1,962,179; June 12.
 Dustan, Frank, Fitchburg, Mass., assignor to Shaw Crane-Putnam Machine Company, Inc., New York, N. Y. Billet peeler. 1,973,801; Sept. 18.
 Dusterberg, Rudolf C., Astoria, N. Y. Milk bottle evacuating cap. 1,944,636; Jan. 23.
 Dutchess Tool Company. (See Hanna, David J., assignor.)
 Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
 Dutchland Farms, Inc. (See Field, Fred F., jr., assignor.)
 Dutoit, Paul, Lausanne, Switzerland. Manufacture of light materials for building and other purposes. 1,977,756; Oct. 23.
 Dutton, Howard B., Des Moines, Iowa. Firearm construction. 1,972,763; Sept. 4.
 Dutton, Percy C. (See Keen, A. W., Battin, and Dutton.)
 Duttweiler, John J., Findlay, Ohio. Building construction. 1,981,166; Nov. 20.
 Duus, Hans C., Greenville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of oxalic acid. 1,948,441; Feb. 20.
 Duval, Edward A., assignor to F. Schumacher & Co., New York, N. Y. Rug. Des. 94,121; Dec. 25.
 Duval, Henri J. (See Lombard, P. P., and Duval.)
 Duval, Montague H., Great Neck, N. Y. Corner cupboard. Des. 91,769; Mar. 20.
 Duvall, James, Camas, Wash. Coating and drying machine for a continuous sheet of paper and the like. 1,956,062; Apr. 24.
 Duvall, Stanley A., assignor of one-half to L. V. Ruffin, Louisville, Ky. Iron stand. 1,972,218; Sept. 4.
 Dvorak, Frank. (See Baker, F. E., Dvorak, and Mueller.)
 Dvorak, James J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyor system. 1,951,400; Mar. 20.
 Dvorine, Israel, Baltimore, Md. Visual training appliance. 1,970,846; Aug. 21.
 Dvornikoff, Michael N., St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of benzoic anhydride. 1,948,342; Feb. 20.
 Dvornikoff, Michael N., St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Refining maleic acid. 1,966,852; July 17.
 Dvornikoff, Michael N., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of maleic anhydride from crude maleic acid. 1,966,853; July 17.
 Dvornikoff, Michael N., St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Polyglycol esters of phenoxy fatty acids. 1,974,810; Sept. 25.
 Dwight, Arthur S., Great Neck, N. Y., assignor to Dwight & Lloyd Sintering Company, Inc., New York, N. Y. Cellular material and manufacturing same. 1,943,858; Jan. 16.
 Dwight & Lloyd Sintering Company. (See Dwight, Arthur S., assignor.)
 Dwight Lumber Company. (See Murdoch, James J., assignor.)
 Dworetzky, Owsey S., New York, N. Y. Animal holding box. 1,956,499; Apr. 24.
 Dwork, Max, Brooklyn, N. Y. Automobile jack. 1,941,854; Jan. 2.
 Dwork, Max, Brooklyn, N. Y. Jack. 1,964,624; June 26.
 Dwork, Max, Brooklyn, N. Y. Jacking attachment. 1,964,625; June 26.
 Dwyer, Frank P., assignor to Samuel Coane, Philadelphia, Pa. Athletic trousers. Des. 91,708; Mar. 13.
 Dwyer, Frank P., assignor to S. Coane, Philadelphia, Pa. Athletic trousers. Des. 92,392; June 5.
 Dwyer, Lawrence P., Winnetka, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Humidifying radiator. 1,962,180; June 12.
 Dwyer, Richard J., Lyndhurst, assignor to A. Gutierrez Inc., Passaic, N. J. Comb package. 1,947,762; Feb. 20.
 Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffing gear. 1,968,481; July 31.
 Dwyre, Burton G., Silver City, N. Mex. Slide rule. 1,947,699; Feb. 20.
 Dyal, Bonnie E., Palestine, assignor of one-half to G. W. White, Dallas, Tex. Spring manipulating tool. 1,953,930; Apr. 10.
 Dyas, Clair S., Glen Ellyn, Ill., assignor to The Grisard Laboratories, Inc., Winchester, Tenn. Extracting cardio-active principles of squill. 1,972,876; Sept. 11.
 Dyce, Walter L., Webster, S. Dak. Golf club. 1,946,134; Feb. 6.
 Dyckes, George J., assignor to American Sterilizer Company, Erie, Pa. Sterilizer. 1,942,051; Jan. 2.
 Dyckma, Bertha M., Chicago, Ill. Manufacture of beaded fabric. 1,943,658; Jan. 16.
 Dye, Harry W. (See Tower, M. L., and Dye.)
 Dyer, Clare T., Holland, Mich., assignor to Charles Karr Company. Spring assembly unit. 1,962,436; June 12.
 Dyer, James A., Anadarko, Okla. Trailer coupling and brake mechanism. 1,966,977; July 17.
 Dyer, James J., Mount Lebanon, Pa. Method and apparatus for pressing pipe. 1,978,420; Oct. 30.
 Dyer, John B., Pendleton, assignor to Delco-Remy Corporation, Anderson, Ind. Engine starting apparatus. 1,952,124; Mar. 27.
 Dyer, John B., Pendleton, assignor to Delco-Remy Corporation, Anderson, Ind. Suction cleaner. 1,965,885; July 10.
 Dygert, Harold B., Roselle Park, N. J., and L. S. Metcalfe, Scarsdale, N. Y. Envelope. 1,948,290; Feb. 20.
 Dyksterhuis, Popko R., Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifier tube. 1,968,248; July 31.
 Dykstra, George. (See Horton, E. C., and Dykstra.)
 Dykstra, George. (See Hueber, H., and Dykstra.)
 Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of esters of ethylene dicarboxylic acids. 1,945,307; Jan. 30.
 Dykstra, Harry B., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of matter. 1,975,087; Oct. 2.
 Dyktor, Herbert G. (See Dyktor, Stanislas and H. G., assignors.)
 Dyktor, Stanislas and H. G., Los Angeles, Calif. Stop light switch. 1,949,994; Mar. 6.
 Dymock, John B. (See Joshua, W. P., Stanley, and Dymock.)
 Dynamit-Actien-Gesellschaft vormals Alfred Nobel & Co. (See Naoum, P., and v. Sommerfeld und Falkenhayn, assignors.)
 Dysart, Arthur S., Elizabeth, N. J., C. E. Fraser, Rockville Center, and J. Lind, Brooklyn, N. Y., assignors to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Dynamometer. 1,984,635; Dec. 18.
 Dysart, Birney, deceased, Cincinnati, Ohio. E. P. Dysart, executrix, assignor to E. P. Dysart, West Hartford, Conn. Typewriting mechanism. 1,955,415; Apr. 17.
 Dysart, Eva P. (See Dysart, Birney, assignor.)
 Dyson, George M., Cheadle Hulme, and A. Renshaw, Manchester, England, assignors to Parke, Davis and Company, Detroit, Mich. Manufacture of the ammonium salt of the urea of m-amino-benzoyl-m-amino-p-tolyl-1-naphthylamine-4:6:8-trisulphonic acid. 1,968,820; Aug. 7.
 Dyson, George M., Cheadle Hulme, and A. Renshaw, Manchester, England, assignors to Parke, Davis and Company, Detroit, Mich. Manufacture of ureas, and substances of a like character of the naphthalene series. 1,969,299; Aug. 7.
 Dyson, Louis M. (See Stone, E. B., and Dyson.)
 Dysthe, M. (See Rea, Walter S., assignor.)
 Dziedzic, Nicholas. (See McKee, H. H., and Dziedzic.)
 Dziedzic, Nicholas J., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 1,974,602; Sept. 25.

- Dziedzic, Nicholas J., and H. H. McKee, assignors to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 1,974,603; Sept. 25.
- Dzus, William, West Islip, N. Y. Fastening device. 1,955,740; Apr. 24.
- E. A. Laboratories, Inc. (See Aufero, John M., assignor.)
- E. M. F. Electric Company Proprietary Limited. (See Whiting, George A., assignor.)
- Eades, Herbert S., assignor to Pottstown Machine Company, Pottstown, Pa. Automatic tapping machine. 1,966,337; July 10.
- Eagan, Clarence A., Barnsdall, Okla. Pipe tongs. 1,974,105; Sept. 18.
- Eagen, Thomas S., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Barrel heading. 1,964,812; July 3.
- Eagle Foundry Company. (See Klemme, Maurice G., assignor.)
- Eagle Foundry Company. (See Strebler, George L., assignor.)
- Eagle Knitting Mills. (See Goldstein, Arthur, assignor.)
- Eagle Pencil Company. (See Chesler, Isidor, assignor.)
- Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)
- Eagle Pencil Company. (See Held, Herman A., assignor.)
- Eagle Pencil Company. (See Hochman, Julius C., assignor.)
- Eagle Pencil Company. (See Solinger, Leo, assignor.)
- Eagle-Picher Lead Company, The. (See Harner, H. R., and Carney, assignors.)
- Eagleson, George L., Pittsburgh, Pa. Paint container. 1,960,733; May 29.
- Eakin, Willard D. (See De Wein, G. F., Eakin, and McNulty.)
- Eakins, Joseph R. (See Parker, H. W., and Eakins.)
- Eames, Robert, Detroit, Mich. Can opener. 1,985,489; Dec. 25.
- Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,944,735; Jan. 23.
- Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Control system for dynamo-electric machines. 1,962,341; June 12.
- Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,966,239; July 10.
- Earl, Birdie, Ceres, Calif. Ironing attachment for sewing machines. 1,973,572; Oct. 30.
- Earl, David G., Long Beach, Calif. Safety bank door. 1,960,578; May 29.
- Earl, Harley J., Grosse Pointe Farms, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 91,926; Apr. 10.
- Earl, Harley J., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Automobile or similar article. Des. 93,764; Nov. 6.
- Earl, Schuyler H. (See Gleason, J. E., and Earl.)
- Earl, Schuyler H., assignor to Gleason Works, Rochester, N. Y. Testing fixture for gear cutters. 1,969,837; Aug. 14.
- Earle, Harmon H., Flint, Mich. Carburetor. 1,967,352; July 24.
- Earle, James T., Cincinnati, Ohio, and A. McNeese, Covington, Ky. Detachable rack for trucks. 1,943,969; Feb. 6.
- Earle, James T., Cincinnati, Ohio, and A. McNeese, Covington, Ky. Floor trucking equipment. 1,948,206; Feb. 20.
- Earle, Ralph H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve. 1,962,102; June 5.
- Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. Liquid fuse. 1,980,476; Nov. 13.
- Earle, Theodore, Denver, Colo. Process for the purification of sand. 1,983,270; Dec. 4.
- Earle, Theodore, Denver, Colo. Purification of sand. 1,983,271; Dec. 4.
- Earle, Theodore, Denver, Colo. Purification of sand. 1,983,272; Dec. 4.
- Earle, Theodore, Denver, Colo. Milling process. 1,983,273; Dec. 4.
- Earle, Theodore, Denver, Colo. Ore leaching. 1,983,274; Dec. 4.
- Earles, Green H., and A. A. Leftwich, Cascade, Va. Adjustable gearing. 1,968,338; July 31.
- Earley, Charles A., Dorchester, Mass. Flashing. 1,970,692; Aug. 21.
- Earley, Martin A., St. Paul, Minn. Typewriter attachment for desks. 1,949,118; Feb. 27.
- Earley, Moyer G., Houston, Tex., assignor to J. S. Abercrombie Company. Straightening well bores. 1,971,480; Aug. 28.
- Earll, Charles I., York, Pa. Reel. 1,941,880; Jan. 2.
- Earll, Charles I., York, Pa. Reel. 1,941,881; Jan. 2.
- Early, James W., and F. H. Harrington, assignors to American Reproducers Company, Los Angeles, Calif. Sound and moving picture reproducing machine. 1,970,287; Aug. 14.
- Early, Noah, Helena, Mont. Socket wrench. 1,954,444; Apr. 10.
- Earman, John B., West Palm Beach, Fla. Dental slab. 1,982,155; Nov. 27.
- Earnshaw, Alvin R., Petaluma, Calif. Automatic control for artificial light for poultry houses. 1,964,846; July 3.
- Earnshaw, David P., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Vernier tuning mechanism. 1,946,423; Feb. 6.
- Earnshaw, George F., assignor to Earnshaw Knitting Company, Newton, Mass. Bathing suit. 1,957,102; May 1.
- Earnshaw, George F., assignor to Earnshaw Knitting Company, Newton, Mass. Sleeping garment. 1,982,579; Nov. 27.
- Earnshaw Knitting Company. (See Earnshaw, George F., assignor.)
- Earp, James P., Madison, N. J., assignor to Stapling Machines Co. Shipping container. 1,951,601; Mar. 20.
- Earp, James P., Madison, N. J., assignor to Stapling Machines Co. Shipping container. 1,951,602; Mar. 20.
- Eash, Otto M. (See Pike, R. D., Stevenson, and Eash.)
- Easlea, Walter, Leigh-on-Sea, England, assignor to C. H. Totty, Madison, N. J. Rose. Pl. Pt. 114; Dec. 4.
- Eason, Clarence M., Waukesha, Wis. Servo clutch. 1,974,390; Sept. 18.
- Eason, Clarence M., Waukesha, and J. J. Mueller, Racine, assignors to Hein-Werner Motor Parts Corporation, Waukesha, Wis. Jack. 1,978,451; Oct. 30.
- Eason, Harrison G., assignor of one-half to J. Wilbur, Lakewood, Ohio. Christmas tree holder. 1,943,659; Jan. 16.
- Eason, Levi D., Rocky Mount, N. C., assignor of one-half to B. W. Arnold, 3d. Emergency brake release and cut out valve. 1,958,389; May 8.
- Eastburn, Samuel L. (See Cooper, G. M., and Eastburn.)
- Eastburn, Samuel L., Sloatsburg, assignor to Ramapo Ajax Corporation, New York, N. Y. Switch stand. 1,967,875; July 24.
- Easter, George J. (See Benner, R. C., Easter, and Stromberg.)
- Easter, James W., Baltimore, Md. Automatic electromagnetic clutch and electric coasting device. 1,946,200; Feb. 6.
- Easterday, Elton E., St. Louis, Mo. Settling apparatus. 1,972,584; Sept. 4.
- Easterling, Irvine A., Augusta, Ga. Paper serving apparatus. 1,981,590; Nov. 20.
- Eastern Cutter Salvage Corporation. (See Aker, Floyd J., assignor.)
- Eastern Finishing Works. (See Adams, William H., assignor.)
- Eastern Laboratories Incorporated. (See Werner, Ludwig, assignor.)
- Eastern Malleable Iron Company, The. (See Spring, George B., assignor.)
- Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
- Eastern Tool & Mfg. Co. (See Montan, Adolf, assignor.)
- Eastern Tool & Mfg. Co. (See Warren, Admiral J., assignor.)
- Eastern Trust Company. (See Wenner, Rolland B., assignor.)
- Eastern Tube and Tool Co. Inc. (See Wiggins, Peter, assignor.)
- Eastland, Cyril J. (See Evers, N., Eastland, and Thompson.)
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Securing shoe parts together. 1,951,474; Mar. 20.
- Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 1,969,838; Aug. 14.
- Eastman, Harold L., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 1,947,408; Feb. 13.
- Eastman, Ivan L., assignor to The Aero Equipment Corporation, Bryan, Ohio. Hand gun carrier rack. Des. 92,125; May 1.
- Eastman, Ivan L., assignor to The Aero Equipment Corporation, Bryan, Ohio. Nondrip shut-off nozzle. 1,958,786; May 15.
- Eastman, Ivan L., assignor to The Aero Equipment Corporation, Bryan, Ohio. Grease gun structure. 1,976,061; Oct. 9.
- Eastman, Ivan L., Sylvania, assignor to The De Vilbiss Company, Toledo, Ohio. Removing liquid from air storage tanks. 1,960,304; May 29.
- Eastman, John. (See McVicar, Harold H., assignor.)
- Eastman, Joseph P., Manitowoc, Wis. Hose coupling. 1,954,989; Apr. 17.
- Eastman, Joseph P., Manitowoc, Wis. Hose clamp or connection and clamping the end of a hose. 1,969,548; Aug. 7.
- Eastman Kodak Company. (See Bouveng, Nils, assignor.)
- Eastman Kodak Company et al. (See Branchen, Leonard E., assignor.)
- Eastman Kodak Company. (See Brehm, Frederick W., assignor.)
- Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
- Eastman Kodak Company. (See Brooker, L. G. S., and Staud, assignors.)
- Eastman Kodak Company. (See Burwell, Robert L., jr., assignor.)
- Eastman Kodak Company. (See Capstaff, John G., assignor.)
- Eastman Kodak Company. (See Capstaff, J. G., and Seymour, assignors.)

- Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
- Eastman Kodak Company. (See Carter, Rolla N., assignor.)
- Eastman Kodak Company. (See Churchill, Robert L., assignor.)
- Eastman Kodak Company. (See Clarke, Hans T., and Malm, assignors.)
- Eastman Kodak Company. (See Crabtree, John I., assignor.)
- Eastman Kodak Company. (See Denis, Armand G., assignor.)
- Eastman Kodak Company. (See Dewey, H. G., and Schoen, assignors.)
- Eastman Kodak Company. (See Dickens, A. W. M., and Fordyce, assignors.)
- Eastman Kodak Company. (See Dow, Eugene M., assignor.)
- Eastman Kodak Company. (See Elliott, Felix A., assignor.)
- Eastman Kodak Company. (See Farrow, E. S., and Carroll, assignors.)
- Eastman Kodak Company. (See Figg, Louis J., jr., assignor.)
- Eastman Kodak Company. (See Fordyce, C. R., and Salo, assignors.)
- Eastman Kodak Company. (See Frederick, Charles W., assignor.)
- Eastman Kodak Company. (See Frenzel, Kurt, assignor.)
- Eastman Kodak Company. (See Fritts, Edwin C., assignor.)
- Eastman Kodak Company. (See Fuerst, Carl C., assignor.)
- Eastman Kodak Company. (See Fuess, J. T., and Staud, assignors.)
- Eastman Kodak Company. (See Fuller, Albert B., assignor.)
- Eastman Kodak Company. (See Gray, Harry L., assignor.)
- Eastman Kodak Company. (See Green, Newton B., assignor.)
- Eastman Kodak Company. (See Green, N. B., and Fuerst, assignors.)
- Eastman Kodak Company. (See Grimwood, Walter K., assignor.)
- Eastman Kodak Company. (See Hartman, William W., assignor.)
- Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)
- Eastman Kodak Company. (See Hickman, K. C. D., and Sanford, assignors.)
- Eastman Kodak Company. (See Hickman, K. C. D., and Staib, assignors.)
- Eastman Kodak Company. (See Hickman, K. C. D., and Weyerts, assignors.)
- Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
- Eastman Kodak Company. (See Hopkins, R. S., and Hughey, assignors.)
- Eastman Kodak Company. (See Hughey, Carter J., assignor.)
- Eastman Kodak Company. (See Jelley, Edwin E., assignor.)
- Eastman Kodak Company. (See Jones, Loyd A., assignor.)
- Eastman Kodak Company. (See Kocher, Neil S., assignor.)
- Eastman Kodak Company. (See Kraft, William A., assignor.)
- Eastman Kodak Company. (See Malm, Carl J., assignor.)
- Eastman Kodak Company. (See Malm, C. J., and Fordyce, assignors.)
- Eastman Kodak Company. (See Malm, C. J., and Waring, assignors.)
- Eastman Kodak Company. (See McFarlane, John W., assignor.)
- Eastman Kodak Company. (See McMaster, Donald, assignor.)
- Eastman Kodak Company. (See McNally, James G., assignor.)
- Eastman Kodak Company. (See McNally, J. G., and Beach, assignors.)
- Eastman Kodak Company. (See Mees, C. E. K., and Sandvik, assignors.)
- Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
- Eastman Kodak Company. (See Muebler, Lowell E., assignor.)
- Eastman Kodak Company. (See Murray, Alexander, assignor.)
- Eastman Kodak Company. (See Murray, Thomas F., jr., assignor.)
- Eastman Kodak Company. (See Murray, T. F., and Kenyon, assignors.)
- Eastman Kodak Company. (See Nagel, Hugo, assignor.)
- Eastman Kodak Company. (See Northrup, Dennis E., assignor.)
- Eastman Kodak Company. (See Opperman, Emil L., assignor.)
- Eastman Kodak Company. (See Ord, Percy R., assignor.)
- Eastman Kodak Company. (See Parker, J. Henry S., assignor.)
- Eastman Kodak Company. (See Philips, Harlow D., assignor.)
- Eastman Kodak Company. (See Reid, Marvin J., assignor.)
- Eastman Kodak Company. (See Richardson, Ambrose W., assignor.)
- Eastman Kodak Company. (See Richardson, Earle E., assignor.)
- Eastman Kodak Company. (See Richardson, E. E., and Staud, assignors.)
- Eastman Kodak Company. (See Riddell, William A., assignor.)
- Eastman Kodak Company. (See Rittman, Adolph C., assignor.)
- Eastman Kodak Company. (See Russell, Harold D., assignor.)
- Eastman Kodak Company. (See Sauer, Howard A., assignor.)
- Eastman Kodak Company. (See Seel, Paul C., assignor.)
- Eastman Kodak Company. (See Seymour, Merrill W., assignor.)
- Eastman Kodak Company. (See Seymour, M. W., and Burwell, assignors.)
- Eastman Kodak Company. (See Sheppard, S. E., and Dietz, assignors.)
- Eastman Kodak Company. (See Sheppard, S. E., and Eberlin, assignors.)
- Eastman Kodak Company. (See Sheppard, S. E., and Vanselow, assignors.)
- Eastman Kodak Company. (See Slack, Alfred D., assignor.)
- Eastman Kodak Company. (See Smith, Charles F., assignor.)
- Eastman Kodak Company. (See Smith, Henry B., assignor.)
- Eastman Kodak Company. (See Staud, Cyril J., assignor.)
- Eastman Kodak Company. (See Staud, C. J., and Fuess, assignors.)
- Eastman Kodak Company. (See Staud, C. J., and Kenyon, assignors.)
- Eastman Kodak Company. (See Staud, C. J., and Minsk, assignors.)
- Eastman Kodak Company. (See Staud, C. J., and Murray, assignors.)
- Eastman Kodak Company. (See Staud, C. J., and Waring, assignors.)
- Eastman Kodak Company. (See Staud, C. J., and Webber, assignors.)
- Eastman Kodak Company. (See Stewart, Donald H., assignor.)
- Eastman Kodak Company. (See Stoiber, Joseph, assignor.)
- Eastman Kodak Company. (See Stone, Herbert G., assignor.)
- Eastman Kodak Company. (See Stone, H. G., and Throp, assignors.)
- Eastman Kodak Company. (See Taylor, Ernest R., assignor.)
- Eastman Kodak Company. (See Taylor, E. R., and Allen, assignors.)
- Eastman Kodak Company. (See Taylor, E. R., and Davis, assignors.)
- Eastman Kodak Company. (See Taylor, E. R., and Smith, assignors.)
- Eastman Kodak Company. (See Teague, Walter D., assignor.)
- Eastman Kodak Company. (See Tuttle, Clifton M., assignor.)
- Eastman Kodak Company. (See Tuttle, C. M., and Henry, assignors.)
- Eastman Kodak Company. (See Tuttle, C. M., White, and McFarlane, assignors.)
- Eastman Kodak Company. (See Van Derhoff, Henry E., assignor.)
- Eastman Kodak Company. (See Webber, C. S., and Staud, assignors.)
- Eastman Kodak Company. (See Wellman, Howard C., assignor.)
- Eastman Kodak Company. (See White, Frank L., assignor.)
- Eastman Kodak Company. (See Wilcox, Perley S., assignor.)
- Eastman Kodak Company. (See Wittel, Otto, assignor.)
- Eastman Kodak Company. (See Wood, Donald L., assignor.)
- Eastman Kodak Company. (See Wood, Robert O., assignor.)
- Eastman Kodak Company. (See Young, Albert A., assignor.)
- Eastman Kodak Company. (See Young, D'Arcy A., assignor.)
- Eastman Kodak Company. (See Young, D. A., Wangerlin, and Hopkins, assignors.)
- Eastman, Leonard E. (See Curtis, L. F., Cotter, and Eastman.)
- Eastman Machinery Company. (See Clark, Frederick J., assignor.)
- East Ohio Gas Company, The. (See Hagan, William G., assignor.)
- Easton and Burnham Machine Company. (See Easton, Herbert E., assignor.)
- Easton Car & Construction Company. (See Schuller, Alfred L., assignor.)
- Easton, Herbert E., assignor to Easton and Burnham Machine Company, Pawtucket, R. I. Automatic yarn tensioning device. 1,956,945; May 1.
- Easton, Robert D., assignor to R. R. Donnelley & Sons Co., Chicago, Ill. Stripping machine. 1,972,648; Sept. 4.

- Easton Trust Company. (See Wenner, Rolland B., assignor.)
- East Side Metal Spinning & Stamping Corp. (See Kremer, Morris A., assignor.)
- Eastwood, Walter, assignor of one-half to William Asquith Limited, Halifax, England. Motor control system. 1,953,158; Apr. 3.
- Eastwood Wire Corporation. (See Specht, Harry G., assignor.)
- Easy Washing Machine Corporation. (See Conterman, Fred A., assignor.)
- Easy Washing Machine Corporation. (See Foley, Raymond W., assignor.)
- Easy Washing Machine Corporation. (See Geldhof, Peter E., assignor.)
- Easy Washing Machine Corporation. (See Geldhof, P. E., and Papworth, assignors.)
- Easy Washing Machine Corporation. (See Ringer, Luther, assignor.)
- Eatman, Viola M., Tuscaloosa, Ala. Combination foundation garment. 1,968,339; July 31.
- Eaton, A. M., Paper Company. (See Eaton, Carleton G., assignor.)
- Eaton, Albert N., Omaha, Nebr. Can washing apparatus. 1,956,063; Apr. 24.
- Eaton, Carleton G., Waltham, assignor to A. M. Eaton, Paper Company, Boston, Mass. Paper bag. 1,982,503; Nov. 27.
- Eaton, Charles F., West Newbury, assignor to Perfection Marker Company, Cambridge, Mass. Marker for shoe uppers. 1,969,971; Aug. 14.
- Eaton Detroit Metal Company. (See Nehls, Charles H., assignor.)
- Eaton Detroit Metal Company. (See Snell, Lyle K., assignor.)
- Eaton, E., Co. Limited, The. (See Vaughan, John J., assignor.)
- Eaton, Earl L., Lynn, Mass. Locating engine troubles. 1,977,230; Oct. 16.
- Eaton, Edwin R. (See Alexander, J. L., and Eaton.)
- Eaton, Ernest E., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Helical gear grinding machine. 1,984,259; Dec. 11.
- Eaton, George R., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Diaphragm. 1,943,425; Jan. 16.
- Eaton, George R., Oak Park, and G. Kiner, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,956,437; Apr. 24.
- Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Coil retaining means. 1,949,739; Mar. 6.
- Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Automatic armature winding machine. 1,969,734; Aug. 14.
- Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Insulation process and machine. 1,980,170; Nov. 13.
- Eaton, Horace M., Swampscott, Mass., assignor to McClellan Shoe Specialty Co., Kennett Square, Pa. Fabric impregnating process and apparatus. 1,953,799; Apr. 3.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Control system. 1,943,114; Jan. 9.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Position indicator. 1,961,037; May 29.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,968,639; July 31.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Controlling rate of acceleration and retardation of elevator equipment. 1,979,102; Oct. 30.
- Eaton, Leslie B., Los Angeles, assignor, by mesne assignments, to Kalite Company, Limited, Pasadena, Calif. Acoustical concrete. 1,983,021; Dec. 4.
- Eaton, Leslie B., Los Angeles, assignor to Kalite Company, Limited, Pasadena, Calif. Acoustical plaster. 1,983,022; Dec. 4.
- Eaton Manufacturing Company. (See Carlson, Gustav W., assignor.)
- Eaton Manufacturing Company. (See Snell, Lyle K., assignor.)
- Eaton, Paul B. (See Knee, A. A., and Eaton.)
- Eaton Radio Instrument Corporation. (See Eaton, Warren S., assignor.)
- Eaton, Reginald O. (See Tritle, J. F., and Eaton.)
- Eaton, Vincent, East Cleveland, Ohio. Steam heating system. 1,946,676; Feb. 13.
- Eaton, Warren S., assignor, by mesne assignments, to Eaton Radio Instrument Corporation, Los Angeles, Calif. Method and apparatus for determining position. 1,965,098; July 3.
- Eaton, Wilfred A., Edgewood, Pa., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Fluid actuated brake. Re19,258; July 31.
- Eaton, Wilfred A., assignor to Bendix Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Sound producing mechanism. 1,947,336; Feb. 13.
- Eaton, William C., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,952,847; Mar. 27.
- Ebbitt, Margaret, Chicago, Ill. Combination buffet and cabinet. 1,984,523; Dec. 18.
- Ebco Machine Corporation. (See Grupe, William F., assignor.)
- Eberhard, Harmon S., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor attachment. 1,945,185; Jan. 30.
- Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Motor vehicle. 1,959,618; May 22.
- Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Vehicle construction. 1,970,001; Aug. 14.
- Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Seal. 1,972,077; Sept. 4.
- Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Seal. 1,972,078; Sept. 4.
- Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Motor vehicle. 1,982,727; Dec. 4.
- Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Roller. 1,982,729; Dec. 4.
- Eberhard Manufacturing Company, The. (See Hennicke, Carl R., assignor.)
- Eberhard, Robert G., Douglaston, N. Y., assignor to Kanard Company, Inc. Permanent hair waving apparatus. 1,969,300; Aug. 7.
- Eberhardt, Ernst, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of acetaldehyde and acetic acid. 1,972,476; Sept. 4.
- Eberhardt, Joseph R., jr., St. Louis, Mo. Tray. 1,962,556; June 12.
- Eberhardt, Otto, Karlsbad, Czechoslovakia, assignor to A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle-on-the-Saale, Germany. Raising the melting point of Montan wax. 1,966,168; July 10.
- Eberhardt, Walter, Chicago, Ill. Window screen. 1,952,704; Mar. 27.
- Eberhardt, Walter, and W. F. Herschede, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio. Electrically operated clock. 1,968,932; Aug. 7.
- Eberhart, John, Washington Township, Shelby County, Ind. Gyrofly toy. 1,978,189; Oct. 23.
- Eberle, Louis C., Roselle Park, N. J. Scaffold bracket. 1,980,854; Nov. 13.
- Eberlein, John B. (See Bleibtren, H., and Eberlein.)
- Eberlin, Leon W. (See Sheppard, S. E., and Eberlin.)
- Ebersold, Fred H., Downers Grove, assignor to Ebersold-Oliver, Inc., Chicago, Ill. Advertising folder. 1,955,117; Apr. 17.
- Ebersold, Oliver, Inc. (See Ebersold, Fred H., assignor.)
- Ebert, Fritz, Oberndorf-on-the-Neckar, Germany. Sack sewing machine. 1,967,527; July 24.
- Ebert, Georg, F. A. Fries, and P. Garbsch, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Polymerization of diolefines. 1,953,468; Apr. 3.
- Ebert, Harvey G., Cranston, R. I. Universal type carburetor. 1,959,907; May 22.
- Ebert, Joseph, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa. Disazo compound for therapeutic use. 1,979,534; Nov. 6.
- Ebert, Joseph, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa. Disazo compounds for therapeutic use. 1,979,678; Nov. 6.
- Ebert, Joseph F., Hollis, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Circuit controlling device. 1,967,353; July 24.
- Ebert, Ludwig, assignor of one-half to Oberly & Newell 545 Pearl Street Corp., New York, N. Y. Display container. 1,959,619; May 22.
- Ebert, Ludwig, assignor of one-half to Oberly & Newell, New York, N. Y. Article display device. 1,968,880; Aug. 7.
- Ebert, Lyda G., Lakewood, Ohio, and M. K. Grable, Pittsburgh, Pa. Table and shelf protector. 1,982,728; Dec. 4.
- Ebert, Lyda G., Lakewood, Ohio, and M. K. Grable, Pittsburgh, Pa. Sink strainer. 1,984,524; Dec. 18.
- Ebert, Philip J., Streator, assignor of one-half to P. Diehl, Chicago, Ill. Bottle opener. Des. 92,795; July 17.
- Eberts, Edward C., Jeffersonville, Ind. Apparatus for treating tomatoes, etc. 1,963,737; June 19.
- Eberts, Edward C., Jeffersonville, Ind. Cleaning fruits and vegetables. 1,964,429; June 26.
- Eberts, Edward C., Jeffersonville, Ind. Fruit and vegetable cleaning machine. 1,964,430; June 26.
- Eberts, Edward C., Jeffersonville, Ind. Producing tomato products. 1,978,078; Oct. 23.
- Ebinger, D. A., Sanitary Mfg. Co., The. (See Ebinger, David H., assignor.)
- Ebinger, David H., assignor to The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio. Valve regulating means. 1,961,439; June 5.
- Eble, Francis X. A., Salt Lake City, Utah, and F. W. Gast, St. Louis, Mo. Financial status visualizer. 1,967,230; July 24.
- Ebling, Walter E., assignor to E. P. Reed & Co., Rochester, N. Y. Shoe. Des. 93,973; Dec. 4.
- Ebner, Alfred J. (See Bleibtren, H., and Ebner.)
- Ebner, Herbert T., Folly Beach, S. C. Timber piling. 1,949,680; Mar. 6.
- Ebner, Karl, Frankfurt-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Separation of solid substances from liquid by vacuum cooling in stages. 1,944,548; Jan. 23.
- Ebright, Clark B., Seattle, Wash. Depth indicator for liquids. 1,969,784; Aug. 14.
- Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Joint for electric cables. 1,979,148; Oct. 30.

- Eby, Hugh H. (See Da Costa, Robert C., assignor.)
 Eby, Hugh H. (See Draving, Arthur M., assignor.)
 Eby, Hugh H. (See Lodge, Edmund G., assignor.)
 Echer, Angelo F., San Francisco, Calif. Tree coverer for silkworm culture. 1,957,994; May 8.
 Eccles, William, Chorlton-cum-Hardy, England, assignor, by mesne assignments, to General Electric Company. Inertia governor. 1,948,416; Feb. 20.
 Eccles, William E., Bristol, assignor to National Engineering Corporation, Terryville, Conn. Electrical connector. 1,967,006; July 17.
 Eccleston, Howard R. (See Brady, H. S., Freese, and Eccleston.)
 Echeverria, Toribio, San Francisco, Calif. Lock switch. 1,949,681; Mar. 6.
 Eck, Alexius E. (See Irons, Robert H., and Eck.)
 Eck, Joseph B., Sheboygan, Wis. Coaster wagon. Des. 91,862; Apr. 3.
 Eckel, Jacob E., Solvay, assignor to Eckels-Nye Steel Co., Syracuse, N. Y. Slat fence post mounting. 1,956,757; May 1.
 Eckels-Nye Steel Co. (See Eckel, Jacob E., assignor.)
 Eckels, Carl O., Cleveland, Ohio. Skate. 1,960,234; May 29.
 Ecker, Eugene C., Albuquerque, N. Mex. Directional control device. 1,980,259; Nov. 13.
 Ecker, Frank, Walton, N. Y. Radio receiving system. 1,969,599; Aug. 7.
 Ecker, Gustave J., assignor to The Willys-Overland Company, Toledo, Ohio. Reaming tool. 1,952,425; Mar. 27.
 Ecker, Will J., jr., St. Louis, Mo. Card case. 1,961,344; June 5.
 Eckert, William J., Louisville, Ky. Combined front and winker stay. 1,968,192; July 31.
 Eckert, Anton, Alameda, Calif. Plate or similar article. Des. 91,455; Feb. 6.
 Eckert, Clarence R., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Shingle. 1,956,381; Apr. 24.
 Eckert, John J., Milwaukee, Wis. Ring blanker machine. 1,951,048; Mar. 13.
 Eckert, John J., Milwaukee, Wis. Ring rolling machine. 1,976,927; Oct. 16.
 Eckert, Paul, Cologne, assignor to Eckert & Ziegler G. m. b. H., Cologne-Braunsfeld, Germany. Extrusion press for molding thermoplastic materials. 1,952,241; Mar. 27.
 Eckert, Wilhelm. (See Greune, H., and Eckert.)
 Eckert, Wilhelm E., Fischer, and O. Braunsdorf, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Separating the mixtures of isomeric 1,4,5,8-naphthylene-diarylimidazoles and new dyestuff obtained thereby. 1,952,661; Mar. 27.
 Eckert, Wilhelm, H. Sieber, and H. Greune, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aromatic cyanoacetyl compound and process of preparing it. 1,972,219; Sept. 4.
 Eckert & Ziegler G. m. b. H. (See Eckert, Paul, assignor.)
 Eckey, Eddy W., Wyoming, assignor to The Proctor & Gamble Company, Cincinnati, Ohio. Stabilizing the flavor and odor of fatty materials. 1,982,907; Dec. 4.
 Eckhardt, William K. (See Horton, A. J., and Eckhardt.)
 Eckhardt, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receivers. Printing machine. 1,948,651; Feb. 27.
 Eckhardt, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receiver. Printing machine. 1,956,566; May 1.
 Eckhardt, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receiver. Printing machine. 1,957,447; May 8.
 Eckhardt, William K., Dunellen, N. J., assignor to Irving Trust Company, temporary trustee of R. Hoe & Co., Inc., New York, N. Y. Slitting mechanism for printing machines. 1,977,566; Oct. 16.
 Eckhardt, Harry F., Cleveland, Ohio, assignor to The Mechanical Rubber Company, New York, N. Y. Laminated material. 1,961,745; June 5.
 Eckhold, Charles G., Overland, Mo. Propeller. 1,980,717; Nov. 13.
 Eckler, Wilhelm, Altona, Germany. Method of, and apparatus for, treating the inner surface of tubular bodies with blasts. 1,952,848; Mar. 27.
 Ecklund, Rudolph T., Chicago, Ill. Apparatus for forming and wrapping articles. 1,958,189; May 8.
 Ecklund, Sixten G., Omaha, Nebr. Ground coffee machinery. 1,978,573; Oct. 30.
 Eckman, Harold A., Oak Park, and H. W. Maack, assignors to Crane Co., Chicago, Ill. Inhibitor for nitrating processes. 1,980,670; Nov. 13.
 Eckroad, Carroll J., Akron, Ohio. Automatic device for dissipating energy. 1,950,446; Mar. 13.
 Eckstein, George R., assignor to Visco Meter Corporation, Buffalo, N. Y. Viscosity indicating device. 1,983,603; Dec. 11.
 Eclipse Air Brush Company. (See Downs, Austin H., assignor.)
 Eclipse Aviation Corporation. (See Allen, Joseph W., assignor.)
 Eclipse Aviation Corporation. (See Chilton, Roland, assignor.)
 Eclipse Aviation Corporation. (See Finnegan, Martin J., assignor.)
 Eclipse Aviation Corporation. (See Frazer, William R.)
 Eclipse Aviation Corporation. (See Gregg, David, assignor.)
 Eclipse Aviation Corporation. (See Gregg, D., and Smith, assignors.)
 Eclipse Aviation Corporation. (See Hausamann, George J., assignor.)
 Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)
 Eclipse Aviation Corporation. (See Havill, C. H., and Mansson, assignors.)
 Eclipse Aviation Corporation. (See Hyland, Lawrence A., assignor.)
 Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
 Eclipse Aviation Corporation. (See Linder, Francis, assignor.)
 Eclipse Aviation Corporation. (See McNeil, Charles I., assignor.)
 Eclipse Aviation Corporation. (See Mock, Frank C., assignor.)
 Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
 Eclipse Aviation Corporation. (See Nette, Henry C., assignor.)
 Eclipse Aviation Corporation. (See Nowosielski, Edward B., assignor.)
 Eclipse Aviation Corporation. (See Roth, Harris C., assignor.)
 Eclipse Aviation Corporation. (See Smith, Wesley L., assignor.)
 Eclipse Aviation Corporation. (See Soucek, Zeus, assignor.)
 Eclipse Aviation Corporation. (See Walton, Albert S., assignor.)
 Eclipse Aviation Corporation. (See Waseige, Charles R., assignor.)
 Eclipse Counterbore Company. (See Thomas, Urving G., assignor.)
 Eclipse Machine Company. (See Chilton, Roland, assignor.)
 Eclipse Machine Company. (See Christian, Frank T., assignor.)
 Eclipse Machine Company. (See Cunnius, Calvin T., assignor.)
 Eclipse Machine Company. (See Ferguson, Malcolm P., assignor.)
 Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
 Eclipse Machine Company. (See Marcus, Charles, assignor.)
 Eclipse Machine Company. (See Maurer, Paul H., assignor.)
 Eclipse Machine Company. (See McGrath, William L., assignor.)
 Eclipse Machine Company. (See Nowosielski, Edward B., assignor.)
 Eclipse Machine Company. (See Sekella, Youston, assignor.)
 Eclipse Machine Company. (See Wertz, Daniel L., assignor.)
 Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
 Eclipse Textile Devices, Inc. (See Fassett, George R., assignor.)
 Eclipse Textile Devices, Inc. (See Ferguson, John C., assignor.)
 Eclipse Textile Devices, Inc. (See Garey, J. P., and Hasbrouck, assignors.)
 Eclipse Textile Devices, Inc. (See Hasbrouck, Louis B., assignor.)
 Economic Machinery Company. (See Fenner, J. O., and Sjoberg, assignors.)
 Economy Electric Devices Co. (See Gould, Lawrence E., assignor.)
 Economy Fuse and Manufacturing Company. (See Cherry, Oscar A., assignor.)
 Economy Fuse & Manufacturing Co. (See Dearing, Melville C., assignor.)
 Economy Fuse and Manufacturing Company. (See Gordon, David D., assignor.)
 Economy Fuse and Manufacturing Co. (See Gunthorp, Cecil H., assignor.)
 Economy Fuse & Manufacturing Company. (See Herbst, Clarence A., assignor.)
 Economy Fuse & Manufacturing Company. (See Herbst, C. A., and Endriz, assignors.)
 Economy Fuse and Manufacturing Company. (See Kurath, Franz, assignor.)
 Economy Tool Manufacturing Company. (See Brock, Ellis R., assignor.)
 Ecremeuses Melotte, Societe Anonyme. (See Henrard, Fernand, assignor.)
 Edberg, Alfred W., M. F. Lator, and R. F. Shultz, Spokane, Wash. Convertible chair. 1,955,177; Apr. 17.
 Eddington Metal Specialty Co. (See Czarnecki, Walter V., Jr., assignor.)
 Eddison, William B., Irvington, N. Y. Power transmitting mechanism. 1,955,380; Apr. 17.
 Eddison, William B., Ardsley on Hudson, assignor, by mesne assignments, to H. M. Brooks, New York, N. Y.; W. T. Gardiner, Augusta, Maine, and R. K. Hawes, Fall River, Mass., as trustees. Automatic coal burner. 1,946,201; Feb. 6.

- Eddleman, Virgil C., Graham, assignor of one half to J. Q. Spradlin, Dallas, Tex. Producing flexible nondeteriorative insulation and method of and apparatus for applying the same. 1,959,078; May 15.
- Eddy, Charles F. A., New London, Conn. Signal device. 1,949,297; Feb. 27.
- Eddy, Harold C., and C. F. Kiech, assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having emulsion guiding surface. 1,963,325; June 19.
- Eddy, Muriel B., Green Bay, Wis. Hop scotch game device. Des. 94,077; Dec. 18.
- Edeleanu Gesellschaft m. b. H. (See Grote, W., and Obergfell, assignors.)
- Edeleanu Gesellschaft m. b. H. (See Grote, W., and Obergfell, assignors.)
- Edeleanu Gesellschaft m. b. H. (See Rosenberg, Ignaz, assignor.)
- Edelheit, Sol., New York, N. Y. Tie construction and clasp therefor. 1,960,145; May 22.
- Edelman, Morris, Cleveland Heights, Ohio. Retaining device for flush tank covers. 1,984,403; Dec. 18.
- Edelman, Philip E., assignor, by mesne assignments, to R. T. Mack, trustee, Chicago, Ill. Alternating current condensers and arrangement of the same. 1,951,476; Mar. 20.
- Edelman, Philip E., assignor, by mesne assignments, to R. T. Mack, trustee, Chicago, Ill. Automatic voltage regulator system. 1,961,746; June 5.
- Edelman, Philip E., assignor, by mesne assignments, to R. T. Mack, trustee, Chicago, Ill. Condenser speaker. 1,964,977; July 3.
- Edelman, Philip E., assignor, by mesne assignments, to R. T. Mack, trustee, Chicago, Ill. Manufacture of vacuum tubes. 1,964,978; July 3.
- Edelman, Philip E., assignor, by mesne assignments, to R. T. Mack, trustee, Chicago, Ill. Electrical filter circuit device. 1,974,179; Sept. 18.
- Edelmann, Christoph, Vilshofen, Germany. High vacuum electron tube. 1,952,493; Mar. 27.
- Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
- Edelmann, E., & Co. (See Eden, Harold W., assignor.)
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Hydrometer float. 1,964,145; June 26.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Thermohydrometer. 1,965,456; July 3.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Tube cutter. 1,969,168; Aug. 7.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Hydrometer float. 1,972,220; Sept. 4.
- Edelstahwerk Röchling Aktiengesellschaft. (See Vorwerk, Paul O. F., assignor.)
- Eden, Christopher G., Croyley Green, assignor to The M-O Valve Company Limited, London, England. Sealing wires into vitreous envelopes. 1,955,058; Apr. 17.
- Eden, Christopher G., Croyley Green, and C. J. Smithells, Bushey, assignors to The M-O Valve Company Limited, London, England. Molding wires in glass. 1,965,408; July 3.
- Eden, Harold W., assignor to E. Edelmann & Co., Chicago, Ill. Tube flaring tool. 1,976,878; Oct. 16.
- Ederer, Lothar. (See Rollins, Arch D., assignor.)
- Edgar, Jacob F., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,971,904; Aug. 28.
- Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Thread tool grinding machine. 1,947,466; Feb. 20.
- Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Hob manufacture. 1,979,535; Nov. 6.
- Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Truing device for grinding wheels. 1,979,536; Nov. 6.
- Edgcombe, Charlie R. W., assignor to Seats, Inc., Chicago, Ill. Closet seat hinge. 1,975,570; Oct. 2.
- Edge, Walter S., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Highway guard. 1,950,719; Mar. 13.
- Edge, Walter S., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Device for and method of forming joints in road construction. 1,966,489; July 17.
- Edge, Walter S., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Highway guard. 1,970,954; Aug. 21.
- Edge-Bak Manufacturing Company, Inc. (See Boulanger, A. D., and Hubrich, assignors.)
- Edgecomb, Clark R., Long Beach, Calif. Dumping bailer. 1,959,660; May 22.
- Ederly, Carroll O., Oak Park, Ill., assignor to The American Paper Goods Company, Kensington, Conn. Bag construction. 1,950,232; Mar. 6.
- Edgerton, Harley. (See Quinn, C. C., and Edgerton.)
- Edgerton, Israel V., Winnetka, assignor to North American Car Corporation, Chicago, Ill. Ventilating stock cars. 1,957,634; May 8.
- Edgerton, Orlando V., West Branch, Iowa. Automobile signal. 1,970,080; Aug. 14.
- Edgewater Steel Company. (See Bell, Frank B., assignor.)
- Edgewater Steel Company. (See Bell, F. B., and Hubbard, assignors.)
- Edgewater Steel Company. (See Smith, Melton A., assignor.)
- Edgewater Steel Company. (See Wikander, Oscar R., assignor.)
- Edgren, Fred E. and R. A., Chicago, Ill. Wall-paper trimmer's straightedge. 1,942,542; Jan. 9.
- Edgren, Roy A. (See Edgren, Fred E. and R. A.)
- Edison General Electric Appliance Company. (See Allen, Clyde E., assignor.)
- Edison General Electric Appliance Company. (See Eskin, Samuel, assignor.)
- Edison General Electric Appliance Company. (See Kelly, W. D., and Rhodes, assignors.)
- Edison General Electric Appliance Company. (See Mayer, Frank, assignor.)
- Edison General Electric Appliance Company. (See Pat-ten, Raymond E., assignor.)
- Edison General Electric Appliance Company. (See Shroyer, Jacob L., assignor.)
- Edison-Splittorf Corporation. (See Brogger, Ivar W., assignor.)
- Edison-Splittorf Corporation. (See Dunham, L. S., and Robertson, assignors.)
- Edison, Theodore M., East Orange, N. J., assignor, by mesne assignments, to Fairfield Specialties Corporation, New York, N. Y. Testing coins or other tokens for genuineness. 1,945,740; Feb. 6.
- Edison, Theodore M., East Orange, assignor to Calibron Products, Incorporated, West Orange, N. J. Making perspective drawings. 1,964,197; June 26.
- Edison, Theodore M., East Orange, assignor to Calibron Products, Incorporated, West Orange, N. J. Perspective drawing machine. 1,964,198; June 26.
- Edison, Thomas A., Incorporated. (See Carlson, Sven O., assignor.)
- Edison, Thomas A., Incorporated. (See Dunning, Orville M., assignor.)
- Edison, Thomas A., Incorporated. (See Fridell, Willis S., assignor.)
- Edison, Thomas A., Incorporated. (See Gramann, Heinrich F. M., assignor.)
- Edison, Thomas A., Incorporated. (See Hirsch, Charles J.)
- Edison, Thomas A., Incorporated. (See Huffman, Russell I., assignor.)
- Edison, Thomas A., Incorporated. (See Johnson, Claude T., assignor.)
- Edison, Thomas A., Incorporated. (See Langley, S. G., and Braun, assignors.)
- Edison, Thomas A., Incorporated. (See Miller, Walter H., assignor.)
- Edison, Thomas A., Incorporated. (See Millspaugh, Stanley H., assignor.)
- Edison, Thomas A., Incorporated. (See Schallis, Charles A., assignor.)
- Edler & Krsche. (See Bosse, Rudolf, assignor.)
- Edund, Karl R. (See Evans, T., and Edlund.)
- Edlund, Karl R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Manufacture of esters. 1,952,125; Mar. 27.
- Edlund, Karl R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of monomers of glycols. 1,968,032; July 31.
- Edlund, Karl, Berkeley, and T. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Preparation of olefine derivatives. 1,968,601; July 31.
- Edmonds, George P., assignor to Bon Manufacturing Corporation, Wilmington, Del. Expansion joint and installing it. 1,960,374; May 29.
- Edmonds, Joseph B., Baltimore, Md. Treating red squill for use as a rodent exterminator. 1,952,977; Mar. 27.
- Edmonds, Sterling O., Eagleville, Tenn. Vehicle jack. 1,961,873; June 5.
- Edmonds, William J., Baytown, Tex., assignor to Standard I. G. Company. Production of motor fuels. 1,960,206; May 22.
- Edmonds, William J., Baytown, Tex., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic apparatus. 1,980,718; Nov. 13.
- Edmondson, Morton H., Greenville, Tex. Control mechanism. 1,981,591; Nov. 20.
- Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Brake operating mechanism. 1,948,652; Feb. 27.
- Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Wheel mounting. 1,974,018; Sept. 18.
- Edmunds, Glenn E., and W. B. Floyd, assignors to The Bonney-Floyd Company, Columbus, Ohio. Coupling. 1,967,354; July 24.
- Edna Brass Manufacturing Company. (See Corey, Elmer O., assignor.)
- Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 91,617; Feb. 27.
- Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 93,094; Aug. 21.
- Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 93,095; Aug. 21.
- Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 93,385; Sept. 25.
- Edson Corporation, The. (See Ball, S. T., and Rymes, as assignors.)
- Edson, Earle R., assignor to Russia Cement Company, Gloucester, Mass. Cold water soluble adhesive and making it. 1,956,064; Apr. 24.
- Edward, Carl. (See Phillips, Bertram T., assignor.)
- Edwards, Albert B. (See Paterson, J. L., and Edwards.)
- Edwards, Albert E., Fort Dodge, Iowa. Sectional drag conveyor. 1,948,168; Feb. 20.

- Edwards, Alice H., Park River, N. Dak. Mop. 1,977,473; Oct. 16.
- Edwards, C. Elmer, Co. (See Edwards, Charles E., assignor.)
- Edwards, Carleton B., assignor to P. C. Reilly, Indianapolis, Ind. Oil impregnation of wood. 1,967,990; July 24.
- Edwards, Charles E., assignor to C. Elmer Edwards Co., Inc., Manchester, N. H. Marker for shoe uppers. 1,969,972; Aug. 14.
- Edwards, Charles E., Manchester, N. H., assignor to Perfection Marker Company, Cambridge, Mass. Marker for shoe uppers. 1,969,973; Aug. 14.
- Edwards and Company. (See Miller, Christian, assignor.)
- Edwards and Company. (See Miller, C., and Joost, assignors.)
- Edwards, Donald V., New York, N. Y., and E. K. Smith, East Orange, N. J., assignors to Electrons, Inc. of Delaware. Rectifier tube. 1,953,906; Apr. 3.
- Edwards, Donald V., Montclair, and E. K. Smith, East Orange, N. J., assignors to Electrons, Inc. of Delaware. Cathode and preparing the same. 1,985,855; Dec. 25.
- Edwards, Earl S., Pennington, assignor to Panelyte Corporation, Trenton, N. J. Manufacture of odorless phenol-formaldehyde resin. 1,970,649; Aug. 21.
- Edwards, Earle N., Paoli, Pa. Window structure 1,963,839; June 19.
- Edwards, Frank W., assignor to The Ohio Injector Company of Illinois, Chicago, Ill. Pressure operated valve. 1,985,770; Dec. 25.
- Edwards, Fred M., Oak Park, assignor to Grigsby-Grunow Company, Chicago, Ill.; F. M. McKey, receiver in bankruptcy. Electrical apparatus. 1,960,579; May 29.
- Edwards, George H., Brooklyn, N. Y. Latching device. 1,964,757; July 3.
- Edwards, George W. (See Gilligan, J. P., and Edwards.)
- Edwards, Harry D., Larchmont, assignor to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 1,953,533; Apr. 3.
- Edwards, Harry D., Larchmont, N. Y., assignor to Linde Air Products Company. Refrigerating system. 1,960,623; May 29.
- Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,947,192; Feb. 13.
- Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,958,987; May 15.
- Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,963,614; June 19.
- Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,963,615; June 19.
- Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,971,905; Aug. 28.
- Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Propeller drive. 1,974,356; Sept. 18.
- Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,983,351; Dec. 4.
- Edwards, Herbert E., Brookline, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation. Paterson, N. J. Label affixing machine. 1,968,881; Aug. 7.
- Edwards, Herbert E., Brookline, and G. S. Tolman, jr., Braintree, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Stamping device. 1,974,486; Sept. 25.
- Edwards, Howard O., Portland, Ore. Sander for molded edges. 1,956,985; May 1.
- Edwards Iron Works, Incorporated. (See Edwards, William H., assignor.)
- Edwards, James M., assignor to Biedermann Bros., Inc., Chicago, Ill. Batch roaster. 1,974,019; Sept. 18.
- Edwards, Junius D., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Protecting aluminum from corrosion. 1,946,151; Feb. 6.
- Edwards, Junius D., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Protecting aluminum from corrosion. 1,946,152; Feb. 6.
- Edwards, Junius D., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Protecting aluminum from corrosion. 1,946,153; Feb. 6.
- Edwards, Kenion E., Atlanta, Ga. Sanding machine. 1,949,565; Mar. 6.
- Edwards, Kyle P., East Cleveland, Ohio. Collapsible golf shaft. 1,967,355; July 24.
- Edwards, Leroy, Stanley, N. Dak. Steering wheel writing case. 1,977,507; Oct. 16.
- Edwards, Martin A. (See Mittag, A. H., and Edwards.)
- Edwards, Maurice F., Bolton, England. Tipping gear construction. 1,981,725; Nov. 20.
- Edwards, Miles L., Portland, Ore. Braking device for automobiles. 1,965,695; July 10.
- Edwards, Oliver M., and R. T. Axe, assignors, by mesne assignments, to The Syracuse Trust Company, Syracuse, N. Y. Self contained window assembly frame. 1,959,908; May 22.
- Edwards, Paul G. (See Shackleton, S. P., and Edwards.)
- Edwards, Paul S., Fort Meade, Md., and C. D. Barbulesco, Dayton, Ohio. Apparatus for producing theatrical effects. 1,941,740; Jan. 2.
- Edwards, Paul S., Fort Meade, Md., and C. D. Barbulesco, Dayton, Ohio. Altitude installation. 1,942,594; Jan. 9.
- Edwards, Paul S., and C. D. Barbulesco, Dayton, Ohio. Temperature-measuring device. 1,951,276; Mar. 13.
- Edwards, Paul S., Fort Meade, Md., and Constantin D. Barbulesco, Dayton, Ohio. Radio receiving system. 1,968,750; July 31.
- Edwards, Ray, Coalinga, Calif. Electrical connector. 1,943,660; Jan. 16.
- Edwards, Robert S., Milton, Mass., assignor to Rumford Chemical Works, Rumford, R. I. Gypsum cement and making the same. 1,973,473; Sept. 11.
- Edwards, Samuel H., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Pressure still header and assembling tool. 1,948,023; Feb. 20.
- Edwards, William C., Denver, Colo. Agitator for the freezing trays of mechanical refrigerators. 1,954,073; Apr. 10.
- Edwards, William C., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Fuse holder. 1,969,301; Aug. 7.
- Edwards, William H., assignor to Edwards Iron Works, Incorporated, South Bend, Ind. Vehicle cab. 1,974,376; Sept. 18.
- Edwards, William H., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Code calling system. 1,976,660; Oct. 9.
- Edwards, William K., Big Spring, Tex. Liquid separating device. 1,968,131; July 31.
- Edwards, William M., assignor to Peter Jackson, (Tobacco Manufacturer) Limited, London, England. Manufacture of cigarettes. 1,967,610; July 24.
- Edwards, William M., London, F. C. Jearum, North Cheam, and J. L. Jameson, Cheam, England. Internal combustion engine. 1,954,564; Apr. 10.
- Eells, Milton M., assignor to W. J. Cameron, Chicago, Ill. Razor. 1,950,789; Mar. 13.
- Ecolite Corporation. (See Von Nessen, Walter, assignor.)
- Egan, Charles H., Belmont, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Making a receptacle closure. 1,956,012; Apr. 24.
- Egan Cotton Mills. (See Hunt, Jesse A., assignor.)
- Egan, John J., San Francisco, Calif. Doorlatch. 1,968,285; July 31.
- Egan, John J., San Francisco, Calif. Can opener. 1,974,671; Sept. 25.
- Egan, John J., Brooklyn, N. Y., assignor to Electro Metallurgical Company. Nitriding. 1,949,682; Mar. 6.
- Egan, John J., Brooklyn, N. Y., assignor to Electro Metallurgical Company. Case hardening. 1,954,407; Apr. 10.
- Egan, John J., Brooklyn, N. Y., assignor to Electro Metallurgical Company. Nitriding. 1,965,798; July 10.
- Egan, Joseph P., Long Branch, N. J. Razor blade sharpener. 1,985,537; Dec. 25.
- Ege, Gustav, assignor to Norma-Hoffman Bearings Corporation, Stamford, Conn. Rail-bearing edge. 1,943,955; Jan. 16.
- Egekrist, Soren A., Minneapolis, Minn. Sign. Des. 91,806; Mar. 27.
- Egen, Heinrich. (See Alma, C. E., and Egen.)
- Egenolf, George J., assignor to The J. L. MacDaniel Printing Company, Indianapolis, Ind. Folding and wrapping machine. 1,941,544; Jan. 2.
- Egg, Karl, Cham, Switzerland. Full-speed centrifuge. 1,950,297; Mar. 6.
- EGGE, Walter S. (See Bonney, R. D., and EGGE.)
- EGGE, Walter S., East Orange, and R. D. Bonney, Glen Ridge, N. J., assignors to Congoleum-Nairn, Inc. Protective coating composition. 1,968,244; July 31.
- Egen, Mina E. (See Grasswick, Carl A., assignor.)
- Eggenweller, Charles W., and W. J. Fiegel, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Coating bearings and the like. 1,960,483; May 29.
- Egger, Leopold, Bregenz, Austria, assignor to Volta G. m. b. H., Lindau, Germany. Heating element for electric cooking and heating apparatus. 1,980,719; Nov. 13.
- Eggert, Gustav B., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Mixer. 1,978,490; Oct. 30.
- Eggert, John, Leipzig, and G. Heymer, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Making film supports for color photography. 1,943,169; Jan. 9.
- Eggert, Joseph. (See Jaeger, G., and Eggert.)
- Eggert, Joseph, assignor to The Jaeger Machine Company, Columbus, Ohio. Water supplying apparatus for concrete mixers. 1,967,991; July 24.
- Eggimann, E. D. (See Armstrong, John J., assignor.)
- Eggimann, Walter, Dutchtown, Mo. Vise. 1,966,338; July 10.
- Eggle, Alfons, Zurich, Switzerland. Device for the connecting of branch wires on power current lines. 1,951,475; Mar. 20.
- Eggleson, Joseph W., Davenport, Iowa. Nut cracker. 1,953,878; Apr. 3.
- Eggleston, Arthur E. (See Mess, F. J., Eggleston, and Centko.)
- Eggleston, Blanche G., administratrix. (See Eggleston, Robert N.)
- Eggleston, Lewis W., and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Electric switch. Re19,300; Sept. 4.

- Eggleston, Lewis W., and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Electric switch. 1,953,469; Apr. 3.
- Eggleston, Lewis W., and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Control device. 1,965,543; July 3.
- Eggleston, Lewis W., and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Thermostatically operated valve. 1,981,313; Nov. 20.
- Eggleston, Robert N., deceased, Riverdale, Md., assignor of one-half to John T. Doyle, Washington, D. C.; Blanche G. Eggleston, administratrix. Thermoelectric radiator. 1,941,855; Jan. 2.
- Eggleston, Smith, St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Live roller conveyor. 1,959,157; May 15.
- Eggleston, Smith, St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Conveyor. 1,967,747; July 24.
- Egglestone, James F., Youngstown, Ohio. Scavenger valve for engines. 1,974,604; Sept. 25.
- Egler, Nicholas F., Monessen, Pa. Regenerator. 1,973,143; Sept. 11.
- Egli, Ernst, Ruti, assignor to Maschinenfabrik Ruti vormals Caspar Honegger, Ruti, Switzerland. Weaving shuttle welt carrier for looms. 1,968,132; July 31.
- Egli, Eugen, Winterthur, Switzerland. Compressor. 1,948,907; Feb. 27.
- Eglin, James M., Glen Rock, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Concentric return transmission system. 1,972,877; Sept. 11.
- Eglinton, William D., Croydon, England. Collapsible leg or post. 1,955,625; Apr. 17.
- Eglinton, William D., Croydon, England. Drawer and shell box. 1,962,058; June 5.
- Eglinton, William D., Croydon, England. Fitting of rimless eyeglasses, spectacles, and the like. 1,963,297; June 19.
- Eglinton, William D., Croydon, England. Spectacles or eyeglasses. 1,970,079; Aug. 14.
- Eglinton, William D., Croydon, England. Spectacle frame. 1,975,685; Oct. 2.
- Eglinton, William D., Croydon, England. Folding spectacles. 1,975,894; Oct. 9.
- Egloff, Gustav. (See Fisher, A., and Egloff.)
- Egloff, Gustav. (See Morrell, J. C., and Egloff.)
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,949,460; Mar. 6.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Chlorination of gaseous hydrocarbons. 1,950,720; Mar. 13.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,950,721; Mar. 13.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,954,477; Apr. 10.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,954,478; Apr. 10.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating bituminous materials and hydrocarbon oils. 1,954,866; Apr. 17.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,954,867; Apr. 17.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,960,624; May 29.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of lubricating oil. 1,960,625; May 29.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,962,181; June 12.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,962,182; June 12.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating oils. 1,962,488; June 12.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,965,334; July 3.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking hydrocarbon oils. 1,965,335; July 3.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 1,972,926; Sept. 11.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,974,301; Sept. 18.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,982,469; Nov. 27.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,983,693; Dec. 11.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking hydrocarbon oils to produce light oils. 1,948,567; Feb. 27.
- Egloff, Gustav, and C. D. Lowry, jr., assignors to Universal Oil Products Company, Chicago, Ill. Lining for vessels holding oil. 1,952,705; Mar. 27.
- Egloff, Gustav, and Alfred Fisher, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oil. 1,963,264; June 19.
- Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,967,174; July 17.
- Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,969,302; Aug. 7.
- Egloff, Gustav, and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Producing anti-knock compounds. 1,973,474; Sept. 11.
- Egloff, Hans C., Bern, Switzerland. Steam or vapor generator. 1,961,138; June 5.
- Egloff, Hans C., assignor to firm of Sulzer Frères Societe Anonyme, Winterthur, Switzerland. Steam power plant. 1,983,275; Dec. 4.
- Egorenko, Vasily, Brooklyn, assignor of one-third to F. N. Mariani, New York, N. Y. Contour and depth gauge. 1,966,618; July 17.
- Egry Register Company, The. (See Gochoel, Urban F., assignor.)
- Egry Register Company, The. (See Pfeiffer, Frank E., assignor.)
- Egry Register Company, The. (See Pfeiffer, Frank E., and W. C., assignors.)
- Egry Register Company, The. (See Pfeiffer, William C., assignor.)
- Egry Register Company, The. (See Stern, M. C., and Pfeiffer, assignors.)
- Egy, Willard L., and C. E. Smart, assignors to W. & L. E. Gurley, Troy, N. Y. Surveying instrument. 1,958,512; May 15.
- "Egyesült Izzólámpa és Villamossági Részvénytársaság". (See de Neumann, Mihály, assignor.)
- Egyesült Izzólámpa és Villamossági Részvénytársaság. (See Theisz, Emil, assignor.)
- Egyptian Lacquer Manufacturing Company. (See Randolph, Wendell G., assignor.)
- Ehart, J. A., et al. (See Best, Seward, assignor.)
- Ehle, Harley B., Wayzata, Minn. Wall board jointer. 1,967,748; July 24.
- Ehlers, Edward, Montclair, N. J. Slitter. 1,978,703; Oct. 30.
- Ehlers, Enrique H., Madrid, Spain. Interchangeable artificial teeth and associated parts. 1,961,038; May 29.
- Ehlig, Harry, Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet-feeder and folder. 1,961,633; June 5.
- Ehlig, Harry, Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeder. 1,965,957; July 10.
- Ehlinger, Marcel, assignor to the firm of Société Alsacienne de Constructions Mécaniques, Mulhouse, France. Superheating device. 1,952,542; Mar. 27.
- Ehlinger, Marcel, assignor to the firm Société Alsacienne de Constructions Mécaniques, Mulhouse, France, and Aktiebolaget Atmos, Stockholm, Sweden. Steam boiler. 1,964,342; June 26.
- Ehmig, Victor, Paris, France. Engine and propeller arrangement chiefly adapted for aeroplanes and like aircraft. 1,971,645; Aug. 28.
- Ehorn, Paul, Sacramento, Calif. Tobacco pipe. 1,949,932; Mar. 6.
- Ehrenfeld, Ralph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch. 1,982,339; Nov. 27.
- Ehrenhaft, Franz, Berlin-Wilmersdorf, assignor to N. V. Küchenmeister's Internationale Maatschappij voor Sprekende Films, Amsterdam-Berlin, Berlin, Germany. Driving apparatus for sound films. 1,983,276; Dec. 4.
- Ehrenpreis, John. (See Matteson, J. O., Ehrenpreis, Brown, and Guyton.)
- Ehrenreich, A., & Cie. (See Faudi, Fritz, assignor.)
- Ehrenreich, Frank C., assignor to Continental Coffee Company, Chicago, Ill. Coffee urn. Des. 94,122; Dec. 25.
- Ehret, Yale W., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,975,538; Oct. 2.
- Ehrey, Wilson H., et al. (See Adams, Ervin, assignor.)
- Ehrgott, Karl. (See Colby, O. A., and Ehrgott.)
- Ehrhardt, Alfred. (See Nawiasky, P., and Ehrhardt.)
- Ehrhardt, Anton, Bloomfield, N. J. Paintbrush container and holder. 1,963,548; June 19.
- Ehrhardt, Udo, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing chlorates and perchlorates. 1,965,457; July 3.
- Ehrhart, Gustav. (See Bockmühl, M., and Ehrhart.)
- Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Stein.)
- Ehrhart, Raymond N., New York, N. Y. Hot well. 1,962,183; June 12.
- Ehrcke, Erich, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,944,684; Jan. 23.
- Ehrke, Louis F., Newark, N. J., assignor to Westinghouse Lamp Company. X-ray tube. 1,941,975; Jan. 2.
- Ehrke, Louis F., Newark, and C. M. Slack, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Current limiting device for lenard tubes. 1,953,470; Apr. 3.
- Ehrle, John H., Minneapolis, Minn. Alarm system. 1,948,850; Feb. 27.

- Ehrlich, Jacob. (See Glahn, W. H., and Ehrlich.)
 Ehrlich, Jacob, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Friction transmission. 1,981,910; Nov. 27.
 Ehrlich, Louis B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Ignition coil. 1,963,016; June 12.
 Ehrlich, Louis B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Ignition apparatus. 1,978,380; Oct. 23.
 Ehrlich, Louis B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Starting motor switch. 1,984,921; Dec. 18.
 Ehrlich, Louis B., Toledo, and W. G. Schneider, Maumee, assignors to The Electric Auto-Lite Company, Toledo, Ohio. High tension apparatus. 1,977,122; Oct. 16.
 Ehrlich, William, Chicago, Ill. Delivery wagon. 1,970,955; Aug. 21.
 Ehrmann, Paul, Paris, France. Electric machine with laminated masses. 1,959,527; May 22.
 Eiben, Michael A., Cleveland, Ohio. Dust collecting bag. 1,969,261; Aug. 7.
 Eiben, Michael A., Cleveland, Ohio. Dust collecting apparatus. 1,974,952; Sept. 25.
 Eibner, Alexander, W. O. Herrmann, W. Haehnel, and M. Miller, assignors to Consortium für Elektrochemische Industrie G. m. b. H., Munich, Germany. Composition of oils and highly polymerized compounds. 1,956,551; May 1.
 Eich, Ferdinand L., Los Angeles, Calif., assignor to Electrical Research Products, Inc., New York, N. Y. Optical instrument. 1,953,471; Apr. 3.
 Eich, Frank A., Melrose Highlands, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,976,718; Oct. 16.
 Eichelberger, Frank, New York, N. Y., assignor to Kalunite Company, Philadelphia, Pa. Increasing strength of salt solutions. 1,957,764; May 8.
 Eichelman, Francis J., assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Apparatus for producing oxygen from liquid air. 1,976,336; Oct. 9.
 Eichelman, Francis J., assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Apparatus for producing oxygen from liquid air. 1,976,388; Oct. 9.
 Eichelman, William H. (See Hall, E. E., and Eichelman.)
 Eichelman, William H., et al. (See Hall, E. E., and Eichelman.)
 Eichelman, William H., Des Plaines, and E. E. Hall, assignors of three-fourths to said Eichelman and one-fourth to J. E. Whelan, Chicago, Ill. Swimming pool. 1,963,405; June 19.
 Eichenauer, Conrad, Leuna, near Merseburg Saale, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Paper feeding device. 1,957,203; May 1.
 Eichenauer, Rudolf, Frankfurt-on-the-Main, Germany. Device for protecting motor cars against theft. 1,956,438; Apr. 24.
 Eichenbaum, Irving A., New York, N. Y. Hat working machine. 1,950,102; Mar. 6.
 Eichenberg, Georg, and N. Wark, Crefeld-Rheinhafen, Germany. Reducing the dust losses from shaft furnaces. 1,941,545; Jan. 2.
 Eichengrün, Arthur, Charlottenburg, Germany, assignor to Celanese Corporation of America. Molding cellulose derivatives. 1,942,090; Jan. 2.
 Eichengrün, Arthur, Charlottenburg, Germany, assignor to Celanese Corporation of America. Molding material and molded articles and making the same. 1,980,326; Nov. 13.
 Eichengrün, Arthur, Charlottenburg, Germany, assignor to Celanese Corporation of America. Coated wire cloth. 1,985,771; Dec. 25.
 Eichhorn, Edwin F., St. Louis, Mo. Stove or furnace. 1,954,923; Apr. 17.
 Eichinger, Jack W., jr. (See Hixon, R. M., McGlumphy, Eichinger, and Buchanan.)
 Eichler, Fritz. (See Schleicher, M., Brandenburger, and Eichler.)
 Eichmann, Theophil. (See Rufener, H., and Eichmann.)
 Eichmann, Theophil, Bern-Lieberfeld, Switzerland, assignor to International Carbonic Engineering Company, Kennett Square, Pa. Method of and apparatus for solidifying carbon dioxide. 1,969,169; Aug. 7.
 Eichmann, Theophil, and H. Rufener, Bern-Lieberfeld, Switzerland, assignors to International Carbonic Engineering Company, Kennett Square, Pa. Refrigerating apparatus. 1,971,397; Aug. 28.
 Eichner, Herman E., Palmyra, N. J. Structural insert. 1,969,879; Aug. 14.
 Eichwede, Heinz, Frankfurt-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Colored rubber product. 1,964,979; July 3.
 Eichwede, Heinz, Frankfurt-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Colored rubber product. 1,964,980; July 3.
 Eichwede, Heinz, Frankfurt-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Water-insoluble disazodyestuffs. 1,977,936; Oct. 23.
 Eickhoff, Gebrüder. (See Brauer, Theodor, assignor.)
 Eickhoff, Theodore H., F. D. Sanborn, jr., and A. E. Drissner, assignors to The National Acme Company, Cleveland, Ohio. Two-way shock absorber. 1,946,525; Feb. 13.
 Eickhoff, Theodore H., Cleveland Heights, assignor, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio. Dial and switch mechanism. 1,969,926; Aug. 14.
 Eide, John C. (See Debbelmann, E., and Eide.)
 Eidinger, Otto, Chicago, Ill., assignor to R. Edinger, doing business as Meer Made Products. Waterproof cape. 1,974,237; Sept. 18.
 Eidinger, Robert. (See Eidinger, Otto, assignor.)
 Eidman, Guy G., Houston, Tex. Combined vending, weighing, and advertising device. Des. 93,207; Sept. 4.
 Eidson, Eulie B. (See Siems, Henry J., assignor.)
 Eifel, Joseph, Chicago, Ill. Loose sheet holder. 1,968,286; July 31.
 Eiffaender, Ludwig. (See Fikentscher, H., Wappes, Eiffaender, Schoeller, and Schnevoigt.)
 Eimer, Edwin J., Monroe, assignor to The Gagnier Fibre Products Company, Detroit, Mich. Making waterproof fiber board. 1,953,397; Apr. 3.
 Einfeldt, Ernest E. (See Hecht, J. L., and Einfeldt.)
 Einfeldt, Ernest E., Davenport, Iowa, assignor to French Hecht, Incorporated. Wheel structure. 1,963,696; June 19.
 Einsele, Robert, Pforzheim, Germany. Fastener for brackets adjustable in size. 1,945,266; Jan. 30.
 Einson, Bernard A., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display card and support. 1,947,521; Feb. 20.
 Einson-Freeman Co. (See Einson, Bernard A., assignor.)
 Einson-Freeman Co. (See Einson, Leo, assignor.)
 Einson-Freeman Co. (See Einson, Morris M., assignor.)
 Einson, Leo, Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Holding and supporting display device. 1,956,641; May 1.
 Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display and dispensing container. 1,956,642; May 1.
 Einson, Morris M., Yonkers, N. Y., assignor to Einson-Freeman Co., Inc. Display device. 1,958,569; May 15.
 Einson, Morris M., Yonkers, N. Y., assignor to Einson-Freeman Co., Inc. Sun glass spectacles. 1,968,193; July 31.
 Einstein, Howard C., Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Control device for accounting machines. 1,944,657; Jan. 23.
 Einstein, Sol. (See Isler, H. R., and Einstein.)
 Einstein, Sol, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,976,119; Oct. 9.
 Einstein, Sol. and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,982,287; Nov. 27.
 Eisele, Herman, assignor to The Wellman Bronze and Aluminum Company, Cleveland, Ohio. Valve. 1,958,988; May 15.
 Eisele, Karl, Newark, N. J. Package opener. 1,943,956; Jan. 16.
 Eisele, Leopold, Saarbrücken, Germany. Resilient wheel for motor vehicles of all kinds. 1,947,643; Feb. 20.
 Eisemann, Anna. (See Lühr, Otto, assignor.)
 Eiseemann Magneto Corporation. (See Kuehn, G. F., and Richroath, assignors.)
 Eisen Giesserei und Maschinen Fabrik Darmstadt Gesellschaft mit beschränkter Haftung, et al. (See Heymann, Hans, assignor.)
 Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 1,979,458; Nov. 6.
 Eisenach, Fritz, assignor of two thirds to G. Seitz and A. Brückner, Dresden, Germany. Gear. 1,971,034; Aug. 21.
 Eisenbach, John G. (See Dorman, N. W., and Eisenbach.)
 Eisenberg, Charles G., jr., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Dumping mechanism. 1,944,414; Jan. 23.
 Eisenberg, Henry, New York, N. Y. Scraper. 1,969,785; Aug. 14.
 Eisenberg, Rubin, Baltimore, Md. Ironing board. 1,960,143; May 22.
 Eisendrath, Robert M., Chicago, Ill. Heated hand-covering. 1,970,081; Aug. 14.
 Eisenhauer, Warren F., Cambridge, Mass. Throttle control for gear shift levers. 1,968,482; July 31.
 Eisenhut, August. (See Krauch, C., Pier, and Eisenhut.)
 Eisenhut, August. (See Pier, M., Eisenhut, August and O.)
 Eisenhut, Hugo, assignor to Carl Zeiss, Jena, Germany. Device for signal purposes. 1,983,356; Dec. 4.
 Eisenhut, Otto. (See Mueller-Cunradi, M., Eisenhut, and Schilling.)
 Eisenhut, Otto. (See Pier, M., Eisenhut, August and O.)
 Eisenhut, Otto. (See Stadler, R., and Eisenhut.)
 Eisenmann, Karl. (See Pungs, W., and Eisenmann.)
 Eisenmann, Karl. (See Pungs, W., Eisenmann, Scholz, and Kollmann.)
 Eisenmann, Karl, Ludwigshafen-on-the-Rhine, and T. Kollmann, Mannheim, Germany, assignors, by mesne assignments, to Uylte Corporation, New York, N. Y. Condensation process yielding condensation products of the urea formaldehyde type. 1,948,343; Feb. 20.
 Eisenwerk (vorm. Nagel & Kacmp) A.-G. (See Lang, Johann F. H., assignor.)
 Eiserman, Frederick J., Pearl River, N. Y. Aquatic amusement device. 1,962,184; June 12.
 Eisfeld, Kurt. (See Schmidt, A., Balle, and Eisfeld.)

- Eisinga, Dirk, Glendale, Calif., assignor to National Steel Construction Co., Seattle, Wash. Combined furnace and domestic hot water heating apparatus. 1,983,843; Dec. 11.
- Eisinger, John O., assignor to Standard Oil Company, Whiting, Ind. Cleaning apparatus for lubricant containers. 1,960,235; May 29.
- Eisleb, Otto. (See Jensch, H., and Eisleb.)
- Eisleb, Otto, Hofheim-on-the-Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Alkylolamine-derivatives and preparing them. 1,949,247; Feb. 27.
- Eisleb, Otto, Hofheim-in-Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Quinoline derivatives and preparing them. 1,967,356; July 24.
- Eisler, Charles. (See Swanson, K. P., and Eisler.)
- Eisler Engineering Co. (See Swanson, K. P., and Eisler, assignors.)
- Eisner, William J., assignor to Newark Paraffine & Parchment Paper Co., Newark, N. J. Coating machine. 1,964,348; June 26.
- Eisold, Richard B., Ludlow, Mass. Direction signal. 1,944,557; Jan. 23.
- Eitel, William W., and J. McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Electron discharge tube. Des. 91,992; Apr. 17.
- Eitel, William W., San Bruno, and J. McCullough, Palo Alto, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Vacuum tube stem. 1,975,140; Oct. 2.
- Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Filament support. 1,983,694; Dec. 11.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Variable speed control for stock quotation projectors. 1,944,173; Jan. 23.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Quotation projection or similar apparatus. 1,944,174; Jan. 23.
- Eitzen, August D., Rockville, assignor to News Projection Corporation, New York, N. Y. Double projecting machine. 1,945,522; Feb. 6.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. High speed projecting machine. 1,952,748; Mar. 27.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Winding machine. 1,955,741; Apr. 24.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 1,957,448; May 8.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Take-up device for stock quotation projecting machines. 1,974,153; Sept. 18.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Endless tape stock quotation projecting machine. 1,975,088; Oct. 2.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Tape pulling device. 1,978,421; Oct. 30.
- Eitzen, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Tensioning means for ticker tape. 1,981,858; Nov. 27.
- Ekblom, Bertil, Vasteras, Sweden. Sectional game board. 1,955,795; Apr. 24.
- Ekblom, Hilmer N. (See Olson, G. H., and Ekblom.)
- Ekers, Lionel A., Montreal, Quebec, Canada. Box. Des. 91,649; Mar. 6.
- Eklind, Carl E., assignor to Camel Company, Chicago, Ill. Lift door. 1,965,223; July 3.
- Eklind, Carl E., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Door mounting. 1,951,507; Mar. 20.
- Eklind, Carl E., and W. A. Beauchamp, Chicago, Ill. Car door construction. 1,980,671; Nov. 13.
- Eklund, Andrew, New York, N. Y. Cock dial. 1,974,357; Sept. 18.
- Eklund, Ebba C. M., Lund, Sweden. Drying frame. 1,943,726; Jan. 16.
- Eklund, Joel. (See St. Clair, C. D., and Eklund.)
- Eklund, John A. (See Enzlin, D., and Eklund.)
- Ekman, Carl J. (See Dodge, J. H., and Ekman.)
- Ekman, Olof I. H., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Fire alarm system. 1,977,121; Oct. 16.
- Ekman, Sven S., Gottenborg, Sweden. Gas and liquid transfer pump. 1,970,366; Aug. 14.
- Eksergian, Carolus L. (See Farr, W. H., and Eksergian.)
- Eksergian, Carolus L. (See Farr, W. H., Eksergian, and Smith.)
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Manufacture of wire wheels. 1,942,091; Jan. 2.
- Eksergian, Carolus L., Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Crimping die device. 1,961,582; June 5.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Dual disk wheel. 1,963,229; June 19.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wire wheel. 1,963,230; June 19.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Bar metering system. 1,969,503; Aug. 7.
- Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Welding. 1,977,567; Oct. 16.
- Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Co., Philadelphia, Pa. Wheel. Des. 91,456; Feb. 6.
- Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 93,915; Nov. 27.
- Eksergian, Carolus L., and R. B. Temple, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel and brake. 1,957,948; May 8.
- Eksergian, Carolus L., and O. E. Smith, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Wire wheel truing machine and method. 1,980,129; Nov. 6.
- Ekstedt, Gustav A., Philadelphia, Pa. Safety razor. 1,945,265; Jan. 30.
- Ekstromer, Edward C., Redwood City, assignor of one-half to B. N. Gallagher, Berkeley, Calif. Multiple motor unit for oil well pumps. 1,960,484; May 29.
- Elbel, Eberhard, assignor to Henkel & Cie. Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Anti-freezing agent. 1,977,545; Oct. 16.
- Elbel, Ernst, and O. Süssenguth, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Preparing molding mixtures and molded articles therefrom. 1,963,579; June 19.
- Elbel, Ernst, and F. Seiter, Erkner, near Berlin, assignors to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Preparing rapidly drying coatings. 1,963,973; June 26.
- Elbel, Ernst, and F. Seebach, Erkner, near Berlin, assignors to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Preparing resin solutions. 1,968,074; July 31.
- Elbel, Ernst, and F. Seebach, Erkner, near Berlin, assignors to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Lacquer and preparing the same. 1,968,440; July 31.
- Elbel, Ernst, and F. Seebach, Erkner, near Berlin, assignors to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Preparing lacquers, varnishes, or the like. 1,968,441; July 31.
- Elbel, Ernst, and O. Süssenguth, Erkner, near Berlin, assignors to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Preparing, grinding, or polishing tools. 1,968,799; July 31.
- Elbert, Clifford R., assignor of one-half to A. E. Nygreen, Los Angeles, Calif. Automatic tool driving machine. 1,962,489; June 12.
- Elbert, Robert S., jr., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,976,487; Oct. 9.
- Elboz, Alfred, Bristol, England. Attachment for use in connection with telephones. 1,946,617; Feb. 13.
- Elbs, John G. (See Wurf Schmidt, Hugo, assignor.)
- Elco Tool & Screw Corporation. (See Swanson, P. G., and Ericsson, assignors.)
- Elder, Andrew C. (See Nagy, E. V., and Elder.)
- Elder, Charles J., Brooklyn, N. Y. Wire spring fabric. 1,941,882; Jan. 2.
- Elder and Elder Nurseries. (See Morgan, William P., assignor.)
- Elder, Emil M., assignor of one-half to The Joseph M. Stern Company, Cleveland, Ohio, and one-half to Hamburg Floral Mfg. Co. Inc., Hamburg, N. Y. Artificial grass and the like. 1,961,139; June 5.
- Elder, Flint C., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Apparatus for casting billets. 1,945,887; Feb. 6.
- Elder, Flint C., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Wire drawing method. 1,963,298; June 19.
- Elder, Frank R., Schenectady, N. Y., assignor to General Electric Company. High voltage discharge apparatus. 1,956,416; Apr. 24.
- Elder, Frank R., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,980,855; Nov. 13.
- Elder, John D., Catonsville, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Cork sifter. 1,941,883; Jan. 2.
- Eldred, Byron E., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Making sound records. 1,975,928; Oct. 9.
- Eldred, Byron E., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Sound record and making the same. 1,975,929; Oct. 9.
- Eldred, Frank R., assignor to Reed & Carnrick, Jersey City, N. J. Glandular hormone in aqueous solution and producing the same. 1,978,079; Oct. 23.
- Eldred, Frank R., assignor to Reed & Carnrick, Jersey City, N. J. Testicular hormone and producing the same. 1,978,297; Oct. 23.
- Eldred, Frank R., Mount Tabor, assignor to Reed & Carnrick, Jersey City, N. J. Ovarian hormone and producing the same. 1,978,298; Oct. 23.
- Eldridge, Charles H. (See Fink, C. G., and Eldridge.)
- Eldridge, Charles H., Detroit, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Method, apparatus, and elements thereof for use in the electrodeposition of chromium. 1,975,227; Oct. 2.

- Electra-Lackwerke G. m. b. H. System Dr. Kronstein. (See Kronstein, Abraham, assignor.)
 Electric Alarm Co., Inc., The. (See Clark, C. W., and Rupert, assignors.)
 Electric Arc Cutting & Welding Company. (See Holslag, Claude J., assignor.)
 Electric Auto-Lite Company, The. (See Eaton, Harrison H., assignor.)
 Electric Auto-Lite Company, The. (See Ehrlich, Louis B., assignor.)
 Electric Auto-Lite Company. (See Ehrlich, L. B., and Schneider, assignors.)
 Electric Boat Company. (See Spear, Lawrence Y., assignor.)
 Electric Controller & Manufacturing Company, The. (See Trofimov, Lev A., assignor.)
 Electric Controller & Manufacturing Company, The. (See Wright, David C., assignor.)
 Electric Corporation. (See Hanson, Martin J., assignor.)
 Electric Devices Corporation. (See Sperry, Theodore A., assignor.)
 Electric Devices Corporation. (See Sperry, Theodore A. and R. C., assignors.)
 Electric Fruit Marking Company. (See Hobart, Clarence L., assignor.)
 Electric Furnace Company, The. (See Bowling, Wilbur S., assignor.)
 Electric Furnace Company, The. (See Cope, Frank T., assignor.)
 Electric Household Utilities Corporation. (See Guild, Lurette, assignor.)
 Electric Household Utilities Corporation. (See Hume, John T., assignor.)
 Electric Household Utilities Corporation. (See Hume, J. T., and Hart, assignors.)
 Electric Manufacturing Company, The. (See Levy, Henri G., assignor.)
 Electric and Musical Industries Limited. (See Bowman-Manifold, Michael, assignor.)
 Electric and Musical Industries Limited. (See Cooper, Arthur H., assignor.)
 Electric and Musical Industries Limited. (See Johnson, Arthur H., assignor.)
 Electric and Musical Industries Limited. (See Thompson, H. A., and Chiffey, assignors.)
 Electric and Musical Industries Limited. (See Whyte, S., and Lord, assignors.)
 Electric Plug, Inc. (See Hill, Ralph B., assignor.)
 Electric Railway Equipment Company, The. (See Ritchie, C. L., and Tice, assignors.)
 Electric Railway Improvement Company, The. (See Cawell, Charles A., assignor.)
 Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
 Electric Service Supplies Company. (See Graham, H. J., and Darling, assignors.)
 Electric Service Supplies Company. (See Mageoch, Harry Y., assignor.)
 Electric Smelting & Aluminum Company, The. (See Cowles, Alfred H., assignor.)
 Electric Smelting & Aluminum Company, The. (See Cowles, Edwin, assignor.)
 Electric Smelting & Aluminum Co., The. (See Folger, Roy C., assignor.)
 Electric Smelting & Aluminum Company, The. (See Howells, Lloyd T., assignor.)
 Electric Smelting & Aluminum Company, The. (See Scheidt, Alfred W., assignor.)
 Electric Smelting & Aluminum Company, The. (See Scheidt, A. W., and Folger, assignors.)
 Electric Sorting Machine Company. (See Hanson, Martin C., assignor.)
 Electric Specialty Co. (See Nierlich, Fred M., assignor.)
 Electric Steam Heating Corporation. (See Landerman, John D., assignor.)
 Electric Steel Foundry Company. (See Nourse, W. H., and Wickes, assignors.)
 Electric Storage Battery Company, The. (See Beedle, Harry W., assignor.)
 Electric Storage Battery Company, The. (See Beetem, Frank G., assignor.)
 Electric Storage Battery Company, The. (See Creitz, William H., assignor.)
 Electric Storage Battery Company, The. (See Galloway, Charles D., assignor.)
 Electric Storage Battery Company, The. (See Graf, Ernest, assignor.)
 Electric Storage Battery Company, The. (See Lindinger, John J., assignor.)
 Electric Storage Battery Company, The. (See Nyce, Wallace, assignor.)
 Electric Storage Battery Company, The. (See Smith, Edward W., assignor.)
 Electric Storage Battery Company, The. (See West, George H. B., assignor.)
 Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
 Electric Tachometer Corporation, The. (See Manthey, Fritz, assignor.)
 Electric Trading Corporation. (See Fletcher, John, assignor.)
 Electric Vacuum Cleaner Company, Inc. (See Kroenlein, Henry A., assignor.)
 Electric Vacuum Cleaner Company. (See Tuteur, Julius, assignor.)
 Electrical Engineers Equipment Co. (See Christensen, C., and Steinmayer, assignors.)
 Electrical Engineers Equipment Co. (See Hoyer, Peder B., assignor.)
 Electrical Engineers Equipment Co. (See Jacobs, Ernest H., assignor.)
 Electrical Engineers Equipment Company. (See Starr, James H., assignor.)
 Electrical Industries Manufacturing Company, et al. (See Gage, Edward G., assignor.)
 Electrical Products Corporation of Washington. (See Ingold, Harold S., assignor.)
 Electrical Research Laboratories, Inc. (See Schnell, William J., assignor.)
 Electrical Research Products Inc. (See Brown, E. G., and Frayne, assignors.)
 Electrical Research Products Inc. (See Bull, R. A., Small, Simpson, and Mayer, assignors.)
 Electrical Research Products, Inc. (See De Napoli, A. C., Jr., and Kleber, assignors.)
 Electrical Research Products, Inc. (See Eich, Ferdinand L., assignor.)
 Electrical Research Products, Inc. (See Frayne, J. G., and Scoville, assignors.)
 Electrical Research Products, Inc. (See Hibbard, Frank H., assignor.)
 Electrical Research Products, Inc. (See Kegl, Zoltan J., assignor.)
 Electrical Research Products, Inc. (See McIlvried, Edwin J., assignor.)
 Electrical Research Products Inc. (See Small, Charles J. P., assignor.)
 Electrical Testing Laboratories. (See Gray, Samuel M., assignor.)
 Electroacoustic Gesellschaft mit beschränkter Haftung. (See Hecht, Heinrich, assignor.)
 Electroacoustic Gesellschaft mit beschränkter Haftung. (See Lange, Fritz, assignor.)
 Electroacoustic Gesellschaft mit beschränkter Haftung. (See Rudolph, Wilhelm, assignor.)
 Electroacoustic Gesellschaft mit beschränkter Haftung. (See Rudolph, W., and Settegast, assignors.)
 Electroblocs, Incorporated. (See Jakosky, John J., assignor.)
 Electro-Chemical Engineering Corporation. (See Gunderson, Lewis O., assignor.)
 Electro Formation, Inc. (See Tyzzer, Howard J., assignor.)
 Electrogear Corporation. (See Neuland, Alfons H., assignor.)
 Electrophonic Corporation. (See Walters, Louis G., assignor.)
 Electroline Company. (See Berndt, Arthur A., assignor.)
 Electrolock Manufacturing Company, The. (See Hemingway, Wilson, Jr., assignor.)
 Electrolock Manufacturing Company, The. (See Kulicke, Frederick W., assignor.)
 Electroloy Company. (See Bremer, Edmund W., assignor.)
 Electrolux Corporation. (See Biéth, Tom C., assignor.)
 Electrolux Corporation. (See Ell, Lars, assignor.)
 Electrolux Corporation. (See Engberg, A. O., and Carlstedt, assignors.)
 Electrolux Corporation. (See Engberg, A. O., and Erikson-Jons, assignors.)
 Electrolux Corporation. (See Hooks, Theo S., assignor.)
 Electrolux Corporation. (See Hultberg, Rolf B. J., assignor.)
 Electrolux Corporation. (See Karlstrom, F. J. R., and Nord, assignors.)
 Electrolux Corporation. (See Lundvall, Erik A., assignor.)
 Electrolux Corporation. (See Lynger, Erik S., assignor.)
 Electrolux Serval Corporation. (See Andersson, Sven W. E., assignor.)
 Electrolux Serval Corporation. (See Bäckström, S. M., and Lennmor, assignors.)
 Electrolux Serval Corporation. (See Bergholm, H. K., and Ullstrand, assignors.)
 Electrolux Serval Corporation. (See Dahlgren, Sven A. B., assignor.)
 Electrolux Serval Corporation. (See Elfving, Thore M., assignor.)
 Electrolux Serval Corporation. (See Hafner, John C., assignor.)
 Electrolux Serval Corporation. (See Hainsworth, William R., assignor.)
 Electrolux Serval Corporation. (See Johnson, Oscar, assignor.)
 Electrolux Serval Corporation. (See Knight, Donald B., assignor.)
 Electrolux Serval Corporation. (See Köhler, Peter, assignor.)
 Electrolux Serval Corporation. (See Lenning, Alvar, assignor.)
 Electrolux Serval Corporation. (See Maluri, Guido, assignor.)
 Electrolux Serval Corporation. (See Maiuri, G., and Rossini, assignors.)
 Electrolux Serval Corporation. (See Munters, Carl G., assignor.)
 Electrolux Serval Corporation. (See Persson, Nils, assignor.)
 Electrolux Serval Corporation. (See Persson, N., and Bäckström, assignors.)

- Electrolux Servel Corporation. (See Sellman, Folke E., assignor.)
- Electrolux Servel Corporation. (See Sundblad, O. E. B., and Grabin, assignors.)
- Electrolux Servel Corporation. (See Taylor, Robert S., assignor.)
- Electrolux Servel Corporation. (See Taylor, R. S., and Heim, assignors.)
- Electrolux Servel Corporation. (See Thomas, Albert R., assignor.)
- Electrolux Servel Corporation. (See Thomas, A. R., and Taylor, assignors.)
- Electrolux Servel Corporation. (See Widell, Nils, assignor.)
- Electromaster Inc. (See Marshall, Richard B., assignor.)
- Electromaster, Inc. (See Noble, Warren, assignor.)
- Electric Typewriters, Inc. (See Crumrine, Chester W., assignor.)
- Electric Typewriters, Inc. (See Petz, John L., assignor.)
- Electric Typewriters, Inc. (See Thompson, Russell G., assignor.)
- Electric Typewriters, Inc. (See Thompson, R. G., and Crumrine, assignors.)
- Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
- Electro Metallurgical Company. (See Becket, F. M., and Franks, assignors.)
- Electro Metallurgical Company. (See Burgess, Charles O., assignor.)
- Electro Metallurgical Company. (See Critchett, James H., assignor.)
- Electro Metallurgical Company. (See Egan, John J.)
- Electro Metallurgical Company. (See George, Harry S., assignor.)
- Electro Metallurgical Company. (See Good, Robert C., assignor.)
- Electro Metallurgical Company. (See Kinzel, Augustus B., assignor.)
- Electro Metallurgical Company. (See Kuhlmann, August M., assignor.)
- Electro Metallurgical Company. (See MacQuigg, Charles E., assignor.)
- Electro Metallurgical Company. (See Vertucci, Vincent M., assignor.)
- Electron Chemical Company. (See Allen, Herbert I., and Ayerst.)
- Electrons, Inc. (See von Wedel, Carl J. R. H., assignor.)
- Electrons, Inc. of Delaware. (See Edwards, D. V., and Smith, assignors.)
- Electrostatic Omega Corporation. (See Loeser, John C., assignor.)
- Electro-Technical Coatings, Inc. (See Ryan, Victor A., assignor.)
- Electro-Vac Free Wheeling Co. (See Hough, Earl B., assignor.)
- Elektricitätsgesellschaft "Sanitas". (See Grundler, Herta, assignor.)
- Elektricitätsgesellschaft "Sanitas" m. b. H. (See Landau, Arnold, assignor.)
- Elektrische Löt- und Schweiß-Gesellschaft mit beschränkter Haftung. (See Helle, Carl, assignor.)
- Elektrizitäts-Actien-Gesellschaft vorm. W. Lahmeyer & Co. (See Büttow, Walter, assignor.)
- Elektronmetall G. m. b. H. (See Koch, Erich, assignor.)
- Elersich, Frank E., Cleveland, Ohio. Combined cigarette roller and case. 1,953,879; Apr. 3.
- Elevator Supplies Company. (See Fear, H. J., and Dittman, assignors.)
- Elevator Supplies Company. (See Zarafu, Herman, assignor.)
- Eley, Alonzo, Hendon, and E. J. Hodgkinson, Willesden Green, England, assignors to Addressograph Company, Wilmington, Del. Printing machine. 1,941,667; Jan. 2.
- Elfein, George, Brooklyn, N. Y. Automatic light control device. 1,974,265; Sept. 18.
- Elfvig, Thore M., Stockholm, Sweden. Washing machine. 1,946,277; Feb. 6.
- Elfvig, Thore M., Stockholm, Sweden. Washing machine. 1,946,278; Feb. 6.
- Elfvig, Thore M., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,966,003; July 10.
- Elger, Franz, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of aromatic hydroxy aldehydes. 1,965,458; July 3.
- Elgin, Jacob, Chicago, Ill. Necktie. 1,962,437; June 12.
- Elgin National Watch Company. (See Lumm, Harvey N., assignor.)
- Elgin National Watch Company. (See Showalter, V. E., and Gupfall, assignors.)
- Elias, Maurice J., Long Island City, N. Y. Rumble seat top and inclosure. 1,970,887; Aug. 21.
- Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,981,264; Nov. 20.
- Elfot, Samuel, Newton, Mass. Compressed air engine. 1,954,408; Apr. 10.
- Elizondo, Prisciliano. (See Mar, Edmundo, assignor.)
- Elk City Cotton Oil Company. (See Mackenzie, Alexander S., assignor.)
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 92,237; May 15.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 92,238; May 15.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 92,293; May 22.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 92,594; June 26.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,007; Aug. 14.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,336; Sept. 18.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,706; Oct. 30.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,707; Oct. 30.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,708; Oct. 30.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,709; Oct. 30.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,710; Oct. 30.
- Elkin, Newton, Philadelphia, Pa. Shoe. Des. 93,711; Oct. 30.
- Elkington, Leigh A., New York, N. Y. Harmonica megaphone. 1,951,928; Mar. 20.
- Ell, Lars, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,965,765; July 10.
- Ellacott, Victor H., Spring Valley, Minn. Stapling machine. 1,943,661; Jan. 16.
- Elledge, Harvey G., and A. Hirsch, Painesville, Ohio, assignors to Diamond Alkali Company, Pittsburgh, Pa. Production of available chlorine compositions. 1,966,383; July 10.
- Eller, Albert D., Divine Corners, N. Y. Power control. 1,954,379; Apr. 10.
- Ellerbeck, William L. (See Karrick, L. C., and Ellerbeck.)
- Ellery, Arthur B., Akron, Ohio, assignor, by mesne assignments, to Limousine Body Company, Kalamazoo, Mich. Door latching mechanism. 1,955,118; Apr. 17.
- Ellet, Victor W., Newton, assignor to Hunt-Spiller Manufacturing Corporation, Boston, Mass. Steam engine piston. 1,970,132; Aug. 14.
- Ellstrom, Otto, Cordova, Alaska. Animal trap. 1,974,020; Sept. 18.
- Ellinger, Albert E., Snyder, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric heating element. 1,952,426; Mar. 27.
- Ellinger, Albert E., Snyder, assignor to M. Goldstein, Buffalo, N. Y. Mechanism for selectively controlling the angular movement of a shaft. 1,974,207; Sept. 18.
- Ellinger, Flora, Milwaukee, Wis. Diaper. 1,958,982; May 8.
- Ellingham, Francis W., assignor to T-E-R Incorporated, San Francisco, Calif. Fuel burner. 1,950,787; Mar. 13.
- Ellington, Ferdinand W., Jamaica, N. Y. Shoe. Des. 92,239; May 15.
- Ellington, Ferdinand W., Jamaica, N. Y. Shoe. Des. 92,889; July 31.
- Ellington, Ferdinand W., Jamaica, N. Y. Shoe. Des. 92,890; July 31.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,480; Feb. 13.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,481; Feb. 13.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,482; Feb. 13.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,483; Feb. 13.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,516; Feb. 20.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Textile fabric or similar article. Des. 91,770; Mar. 20.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Textile fabric or similar article. Des. 91,771; Mar. 20.
- Ellington, William T. and R. G. Manifold, assignors to General Engineering Corporation, Ltd., Los Angeles, Calif. Dishwashing machine. 1,959,661; May 22.
- Elliot, William S. (See Parkhurst, F. A., and Elliot.)
- Elliot, William S., assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Toothbrush handle. 1,984,787; Dec. 18.
- Elliot Addressing Machine Company. (See Elliott, Harmon P., assignor.)
- Elliott, Charles H. and H. K. St. Paul, Minn. Switch actuating mechanism. Re19,392; Dec. 11.
- Elliott, Charles K., New York, N. Y. Container closure. Des. 91,650; Mar. 6.
- Elliott Company. (See Elliott, William S., assignor.)
- Elliott Company. (See Fennecrook, Lawrence M., assignor.)
- Elliott Company. (See Good, Paul E., assignor.)
- Elliott Company. (See McDermet, John R., assignor.)
- Elliott, Edison R., Rochelle, Ill. Corn combine. 1,968,998; Aug. 7.
- Elliott, Felix A., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic bath. Re19,354; Oct. 30.
- Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
- Elliott-Fisher Company. (See Gorin, Frederick P., assignor.)
- Elliott-Fisher Company. (See Kurowski, Alfred G. F., assignor.)
- Elliott-Fisher Company. (See Pitman, Henry L., assignor.)

- Elliott-Fisher Company. (See Stickney, Burnham C., assignor.)
- Elliott-Fisher Company. (See Thieme, Otto, assignor.)
- Elliott, George S., Wilkensburg, Pa. Attachment plug receptacle. 1,957,582; May 8.
- Elliott, Graham. (See Fittion, W. H., and Elliott.)
- Elliott, Grant O. C., Rome, N. Y. Necktie. 1,949,566; Mar. 6.
- Elliott, Harmon P., Watertown, Mass. Stencil holding. 1,949,535; Mar. 6.
- Elliott, Harmon P., Watertown, Mass. Stencil-holding tray. 1,956,672; May 1.
- Elliott, Harmon P., Watertown, Mass. Buoy. 1,958,535; May 15.
- Elliott, Harmon P., Watertown, Mass. Printing device for printing machines. 1,966,664; July 17.
- Elliott, Harmon P., Watertown, Mass. Stencil filling cabinet. 1,982,504; Nov. 27.
- Elliott, Harmon P., Watertown, Mass. Bill printing and addressing machine. 1,985,244; Dec. 25.
- Elliott, Harmon P., Watertown, Mass. Printing machine and method. 1,985,245; Dec. 25.
- Elliott, Harmon P., Watertown, Mass. Printing and addressing machine. 1,985,246; Dec. 25.
- Elliott, Harmon P., Watertown, Mass. Bill printing and addressing machine. 1,985,247; Dec. 25.
- Elliott, Harmon P., Watertown, Mass., assignor to Elliott Addressing Machine Company. Stencil printing apparatus. 1,976,928; Oct. 16.
- Elliott, Harold E. (See Keall, F. B., and Elliott.)
- Elliott, Harold E., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selective radio receiver. 1,960,774; May 29.
- Elliott, Harold K. (See Elliott, Charles H. and H. K.)
- Elliott, Harry C., Towanda, Kans. Turntable. 1,969,398; Aug. 7.
- Elliott, Harry D. (See Bazzoni, L. J., and Elliott.)
- Elliott, Howard A., Detroit, Mich., assignor to Essex Wire Corporation. Making terminal tips. 1,976,929; Oct. 16.
- Elliott, Howard R., Billings, Mont. Valve keeper inserting tool. 1,951,970; Mar. 20.
- Elliott, Irwin, Harmon, assignor to Universal Oven Company, Incorporated, New York, N. Y. Baking oven. 1,946,843; Feb. 13.
- Elliott, Irwin, Harmon, assignor to Universal Oven Company, Incorporated, New York, N. Y. Heater. 1,977,672; Oct. 23.
- Elliott, John B., et al. (See Williams, Willis W., assignor.)
- Elliott, Joseph, Richmond Hill, N. Y. Curtain and drapery pilot or guide. 1,970,288; Aug. 14.
- Elliott, Morris R. (See White, W., and Elliott.)
- Elliott, Phillip H., Charleston, W. Va., and W. E. White, Columbus, Ohio, assignors to Chemical Manufacturing Company, Point Pleasant, W. Va. Heat exchange medium. 1,981,849; Nov. 27.
- Elliott, Robert A., Peoria, Ill. Indicator. 1,948,493; Feb. 27.
- Elliott, Roy D., assignor to Johns-Manville Corporation, New York, N. Y. Filtration process and apparatus. 1,978,254; Oct. 23.
- Elliott, Samuel H., assignor to The Standard Oil Company, Cleveland, Ohio. Display case. Des. 92,797; July 17.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Cotton condenser. 1,946,784; Feb. 13.
- Elliott, William C., Modesto, Calif. Antiburglar lock. 1,974,769; Sept. 25.
- Elliott, William S., assignor to Elliott Company, Pittsburgh, Pa. Motor. 1,979,537; Nov. 6.
- Elliott, Creed C., Richmond, Va. Wheeled toy. 1,951,277; Mar. 13.
- Ellis, Alvarado L. R., Swampscott, Mass., assignor to General Electric Company. Vacuum mounted oscillator. 1,949,149; Feb. 27.
- Ellis, Alvarado L. R., Swampscott, and G. A. F. Winckler, Worcester, Mass., assignors to General Electric Company. Method of and apparatus for producing refractory bodies. 1,960,215; May 22.
- Ellis, Arthur L., Deep River, assignor to The Waterbury Tool Company, Waterbury, Conn. Reciprocating drive mechanism. 1,947,253; Feb. 13.
- Ellis, Arthur L., New Rochelle, N. Y., and D. R. Francis, assignors to The Waterbury Tool Company, Waterbury, Conn. Driving mechanism. 1,955,540; Apr. 17.
- Ellis, Arthur M., Sweetwater, Tenn. Shock absorbing spring. 1,965,492; July 3.
- Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Sized paper carrying a synthetic resin of petroleum origin and making same. 1,948,442; Feb. 20.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Resin, gum, and balsam and making same. 1,952,060; Mar. 27.
- Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Water-cycle aquolization. 1,956,567; May 1.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Resinous products or compositions including lacquers, paints, varnishes, and other coating compositions. 1,958,614; May 15.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis Foster Company. Sulbhide plastic and making same. 1,964,725; July 3.
- Ellis, Carleton, Montclair, N. J., assignor to Standard I. G. Company. Joint hydrogenolysis and methanolysis. 1,966,790; July 17.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Resinous and balsamic complexes. 1,967,232; July 24.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Resin and balsam prepared with the aid of an inorganic body and making same. 1,970,510; Aug. 14.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Oxidized motor fuel. 1,973,475; Sept. 11.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Resinous composition from phenol and acet-aldehyde and making same. 1,974,605; Sept. 25.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Self compensated motor fuel and making same. 1,976,696; Oct. 9.
- Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Chewing gum product. 1,976,774; Oct. 16.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Equilibrated paint and varnish remover containing petroleum hydrocarbons. 1,980,043; Nov. 6.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Xylenitic resin and making same. 1,980,987; Nov. 20.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Nitrocellulose coating composition. 1,984,061; Dec. 11.
- Ellis, Carter D., and N. A. Parker, Erie, Pa. Gear mechanism. 1,977,508; Oct. 16.
- Ellis, Charles E., Jr., New York, N. Y., assignor, by mesne assignments, to Westinghouse Electric Elevator Company, Chicago, Ill. Safety device for vehicle doors. 1,947,079; Feb. 13.
- Ellis, Charles E., Jr., Mahwah, N. J., assignor, by mesne assignments, to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator-dispatching system. 1,948,748; Feb. 27.
- Ellis, Charles E., Jr., Mahwah, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator. 1,979,679; Nov. 6.
- Ellis, Clifford A., Ridgefield, N. J., assignor to Socony Vacuum Oil Company, Incorporated, New York, N. Y. Storage tank. 1,968,673; July 31.
- Ellis, Elmer A., Medford, Mass. Gemming insoles. 1,941,934; Jan. 2.
- Ellis, Fenwick L., Chicago, Ill. Foldable ironing board. 1,977,050; Oct. 16.
- Ellis-Foster Company. (See Bradley, Theodore F., assignor.)
- Ellis-Foster Company. (See Ellis, Carleton, assignor.)
- Ellis, George H. (See Kirk, E. W., Olpin, and Ellis.)
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of cellulose esters. 1,943,377; Jan. 16.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of textile materials. 1,947,039; Feb. 13.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of textile materials. 1,949,413; Mar. 6.
- Ellis, George H., Spondon near Derby, England, assignor to Celanese Corporation of America. Treatment of textile or other materials. 1,955,796; Apr. 24.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Preparation for treating textile materials. 1,957,492; May 8.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials. 1,957,494; May 8.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture or treatment of textile or other material. 1,959,350; May 22.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture or treatment of textile or other materials made of or containing cellulose esters or ethers. 1,959,351; May 22.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made of or containing cellulose esters. 1,963,121; June 19.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made of or containing cellulose esters or ethers. 1,963,974; June 26.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of waterproof materials. 1,963,975; June 26.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of textile materials. 1,972,137; Sept. 4.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Azo dyes and making the same. 1,972,138; Sept. 4.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Coloration of textile materials. 1,978,786; Oct. 30.
- Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Apparatus for making composition boards or sheets. 1,959,662; May 22.
- Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Apparatus for defiberizing wood. 1,979,373; Nov. 6.

- Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Wall construction. 1,981,314; Nov. 20.
- Ellis, George H., and R. J. Mann, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of cellulose derivatives. 1,943,008; Jan. 9.
- Ellis, George H., H. C. Olpin, and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of cellulose derivatives. 1,944,413; Jan. 23.
- Ellis, George H., and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of materials made with or containing cellulose acetate. 1,947,038; Feb. 13.
- Ellis, George H., and W. B. Miller, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials. 1,954,622; Apr. 10.
- Ellis, George H., H. C. Olpin, and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of Textile and other materials. 1,957,493; May 8.
- Ellis, George H., H. C. Olpin, and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and use of organic compounds. 1,959,352; May 22.
- Ellis, George H., H. C. Olpin, and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of dispersions of insoluble compounds. 1,959,353; May 22.
- Ellis, George H., H. C. Olpin, and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and use of new anthraquinone derivatives. 1,969,735; Aug. 14.
- Ellis, George H., and R. C. Storey, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials made of or containing organic derivatives of cellulose. 1,984,788; Dec. 18.
- Ellis, George H., T. Ockman, and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of materials. 1,985,248; Dec. 25.
- Ellis, George T., Trenton, N. J. Theft preventive device for automobiles. 1,943,216; Jan. 9.
- Ellis, J. Homer, et al. (See Bacon, Willard M., jr., assignor.)
- Ellis, John, assignor to Acme Hough Manufacturing Company, Pittsburgh, Pa. Curtain stretcher frame. 1,944,549; Jan. 23.
- Ellis, John J., Oakdale, Calif. Sterilizer cabinet for barbers' tools. Des. 92,067; Apr. 24.
- Ellis, John R., Richmond, Va. Hassock. Des. 91,517; Feb. 20.
- Ellis, Otis A., Los Angeles, Calif. Door and window opening tool. 1,978,743; Oct. 30.
- Ellis, Owen W., Toronto, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Solder. 1,954,168; Apr. 10.
- Ellis, Ray C., Detroit, Mich. assignor to Radio Corporation of America. Combined instrument panel for a motor vehicle and radio. Des. 92,066; Apr. 24.
- Ellis, Ray C., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Support for automotive radios. 1,964,564; June 26.
- Ellis, Robert, Blackford, near Carlisle, England. Poultry yard. 1,972,554; Sept. 4.
- Ellis, Robert H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shear. 1,970,445; Aug. 14.
- Ellis, Robert L., Miami Beach, Fla., assignor to Mueller Co., Decatur, Ill. Gas meter hanger. 1,949,829; Mar. 6.
- Ellis, Roy C., Dayton, Ohio. Corner guard for tables and the like. 1,952,749; Mar. 27.
- Ellis, Stuart G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High speed keyer. 1,977,380; Oct. 16.
- Ellis, Theodore T., assignor to New England Fibre Blanket Company, Worcester, Mass. Printer's blanket and making. 1,983,352; Dec. 4.
- Ellis, Thomas J., and E. F. Burns, Gatineau, Quebec, Canada. Compound air preheater for burners. 1,949,605; Mar. 6.
- Ellis, William C., Malverne, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical insulation for magnetic bodies. 1,943,115; Jan. 9.
- Ellis, William D., 3d, Atlanta, Ga. Woven endless feed ribbon. 1,952,978; Mar. 27.
- Ellis, William H. (See Bahr, Charles A., assignor.)
- Ellis, William H., jr., Glendale, Ohio. Indented paper. Re19,301; Sept. 4.
- Ellison, August J., Detroit, Mich. Helicopter or wingless air vehicle. 1,949,995; Mar. 6.
- Ellison Bronze Company. (See Ellison, Edward H., assignor.)
- Ellison, Edward H., Jamestown, assignor, by mesne assignments, to Austral Window Company, New York, N. Y. Schoolroom wardrobe. 1,956,277; Apr. 24.
- Ellison, Edward H., Jamestown, assignor, by mesne assignments, to Austral Window Company, New York, N. Y. Sliding and folding partition. 1,964,316; June 26.
- Ellison, Edward H., Jamestown, assignor, by mesne assignments, to Austral Window Company, New York, N. Y. Wardrobe. 1,977,474; Oct. 16.
- Ellison, Edward H., assignor to Ellison Bronze Company, Inc., Jamestown, N. Y. Weather strip. 1,967,813; July 24.
- Ellison, Edward H., Jamestown, assignor, by mesne assignments, to Austral Window Company, New York, N. Y. Adjustable hinge. 1,983,125; Dec. 4.
- Ellison, Harry C., Lakewood, assignor to Republic Steel Corporation, Youngstown, Ohio. Combined pointing and extruding machine. 1,972,293; Sept. 4.
- Ellison, Lewis M., Evanston, Ill. Pressure gauge. 1,951,603; Mar. 20.
- Ellithorpe, George G., and C. J. Menken, Berwyn, Ill. Building construction. 1,965,282; July 3.
- Ellman, Walter, and F. Berhley, Astoria, Long Island, N. Y. Electric control system and recording device. 1,941,668; Jan. 2.
- Ellman, Walter, and F. Berhley, Astoria, N. Y. Control system for radio receiving sets. 1,950,666; Mar. 13.
- Ellmann Inc. (See Ellmann, John I., assignor.)
- Ellmann, John I., assignor to Ellmann Inc., Washington, D. C. Insulated support for electric cables. 1,956,526; Apr. 24.
- Elms, Edward H., Morsemere, N. J., assignor to The Barrett Company, New York, N. Y. Direct recovery of tar acids. 1,955,742; Apr. 24.
- Elms, Edward H., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,958,849; May 15.
- Ells, Ray P., Boston, assignor to Warren Soap Manufacturing Company, Inc., Cambridge, Mass. Laundering. 1,961,606; June 5.
- Ellsberg, Edward, Westfield, assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Treatment of hydrocarbons. 1,963,488; June 19.
- Ellsberg, Edward, Westfield, assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Chilling lubricating oils for dewaxing. 1,974,398; Sept. 18.
- Ellstrom, Elmer G., Webster Groves, assignor to Sefton National Fibre Can Co., Maplewood, Mo. Sausage container. 1,967,992; July 24.
- Ellsworth, Charles K., Detroit, Mich. Box or similar container. Des. 91,578; Feb. 20.
- Ellsworth, Deane C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvents for etherification of cellulose. 1,980,988; Nov. 20.
- Ellsworth, Harold D. (See Barnard, M. C., and Ellsworth.)
- Ellsworth Machine Company, The. (See Zimmer, Adolph, assignor.)
- Ellsworth, Walter A. (See Swedman, E., and Ellsworth.)
- Elzey, Esco F., deceased, Snyder, by H. W. Wendt, jr., administrator, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Tetraiodophenolphthalein compositions. 1,984,404; Dec. 18.
- Elm, Adolf C. (See Stutz, G. F. A., and Elm.)
- Elmendorf, Arthur R., Woodbridge, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting fixture. 1,956,148; Apr. 24.
- Elmer, John, and B. J. Kelly, assignors to Sloane-Blabon Corporation, Philadelphia, Pa. Printing. 1,979,735; Nov. 6.
- Elmer, Lewis S., Baltimore, Md. Rail lubricator. 1,954,990; Apr. 17.
- Elmer, Lloyd A., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Driving mechanism for sound recording and reproducing systems. 1,968,438; July 31.
- Elmer, Nixon W., Oak Park, assignor to Redler Conveyor Company, Quincy, Mass. Conveyor. 1,970,289; Aug. 14.
- Elmer, William B., Roxbury, Mass. Thermometry. 1,978,704; Oct. 30.
- Elmore, Uliss G., Tulsa, Okla. Gaseous fuel burner. 1,962,113; June 12.
- Elms, John D., Staten Island, assignor to Films Revo Corporation, New York, N. Y. Motion picture camera. 1,943,378; Jan. 16.
- Elms, John E., assignor to A. R. Thomasson, Dallas, Tex. Packing ring tool. 1,968,640; July 31.
- Elnett, Anthony A., New York, N. Y. Blackboard eraser. 1,942,205; Jan. 2.
- Elow, Bernard, and J. H. Stele, New York, N. Y. Cigarette. 1,963,738; June 19.
- Elrod, Henry E., Houston, Tex. Centrifugal machine. 1,975,539; Oct. 2.
- Elrod, Henry E., Houston, Tex. Refrigerating unit. 1,981,097; Nov. 20.
- Elsas, Edward J., Kansas City, Kans. Swivel connection for electric cords. 1,977,757; Oct. 23.
- Else, Harry D. (See Boothby, C. E., and Else.)
- Else, Harry D., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Clutch mechanism. 1,956,417; Apr. 24.
- Elser, Fred J., Carlsbad, Calif. Magnetically modulated vacuum tube oscillator. 1,957,327; May 1.
- Elser, William J., Old Greenwich, Conn. Desiccating liquids and semisolids. 1,970,956; Aug. 21.
- Elsey, George W., assignor to Delco Products Corporation, Dayton, Ohio. Pressure regulator for pressure presses. 1,943,520; Jan. 16.
- Elsey, Howard M., Oakmont, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulating liquid. 1,953,216; Apr. 3.
- Elssner, Richard, Johnson City, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Winding threads and the like. 1,985,603; Dec. 25.

- Elstub, Francis W., Coventry, England, assignor to Norton Company, Worcester, Mass. Machine for and method of lapping the ends of round work pieces. 1,949,514; Mar. 6.
- Elten, Alfred P., assignor to G. F. Gerdt's, Bremen, Germany. Blow-off valve. 1,947,409; Feb. 13.
- Elwert, Heinrich. (See Roth, P. B., Elwert, and Steinberger.)
- Elvin, Charles P., Pottsville, assignor of one-half to L. E. Friedberg, Shenandoah, Pa. Display stand attachment. 1,959,997; May 22.
- Elwell, George H., assignor of one-half to H. C. Keith, New Haven, Conn. Attachment for typewriting machines. 1,949,790; Mar. 6.
- Elwell, George H., New Haven, Conn., assignor to The Geist Manufacturing Company. Electric lamp socket shell. 1,956,820; Apr. 24.
- Elwell-Parker Electric Company, The. (See Abbe, Edward J., assignor.)
- Elwell Parker Electric Company, The. (See Towson, Morris S., assignor.)
- Elwert, Otto. (See Schnürle, A., and Elwert.)
- Elwood, Claude K., Glendo, Wyo. Trailer. 1,955,178; Apr. 17.
- Elworthy, Frederick W., Beverly Hills, Calif. Sound controlling means. 1,975,201; Oct. 2.
- Ely, Arthur, assignor of one-half to A. G. Smith, Elyria, Ohio. Bicycle. Des. 93,008; Aug. 14.
- Ely, Walter S., New York, and E. Peremi, Manhasset, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 1,983,353; Dec. 4.
- Elze, Walter C., Forest Hills, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Valve. Des. 93,818; Nov. 13.
- Elzmeyer, Edwin E., and H. C. Griesedieck, Webster Groves, assignor, to American Pulverizer Company, St. Louis, Mo. Pulverizing machine. 1,947,700; Feb. 20.
- Emanuel, B. D. (See Blake, Kenneth R., assignor.)
- Emanuelli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Apparatus for locating oil leaks in cables. 1,944,637; Jan. 23.
- Emanuelli, Luigi, Milan, Italy, assignor to Società Italiana Pirelli, Restrictor. 1,947,929; Feb. 20.
- Emanuelli, Luigi, Milan, Italy, assignor to Società Italiana Pirelli. High tension cable. 1,957,995; May 8.
- Emanuelli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. High tension electric cable. 1,962,059; June 5.
- Emanuelli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Electric cable. 1,964,907; July 3.
- Emanuelli, Luigi, Milan, Italy, assignor to S. I. Pirelli. Stop joint for liquid filled cables. 1,979,149; Oct. 30.
- Emanuelli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Feeding joint. 1,979,150; Oct. 30.
- Emberly, Joseph B., Phoenix, Ariz., assignor of one-fourth to Eric M. Grimsley, Los Angeles, Calif. Dry placer machine. 1,952,662; Mar. 27.
- Embossing Company, The. (See Graham, Tom C., assignor.)
- Embossing Company, The. (See Rutherford, John, jr., assignor.)
- Embury Manufacturing Co. (See Perkins, A. J., and Beckman, assignors.)
- Embury, William C., Warsaw, N. Y. Portable electric lantern. 1,950,103; Mar. 6.
- Emco Manufacturing Company. (See Mortimer, Winfield F., assignor.)
- Emerol Manufacturing Co. (See Thompson, V. W., and Pierce, assignors.)
- Emersleben, Otto, Berlin, Germany. Voltage amplifying thermionic arrangement. 1,964,813; July 3.
- Emerson, Alfred H. (See Culver, E., and Emerson.)
- Emerson, Clifford C., Portland, Maine. Humidifier. 1,943,379; Jan. 16.
- Emerson Electric Mfg. Co., The. (See Barnard, John L., assignor.)
- Emerson Electric Mfg. Co., The. (See Dederick, Clinton H., assignor.)
- Emerson Electric Mfg. Co., The. (See Janca, Joseph J., assignor.)
- Emerson Electric Mfg. Co., The. (See Lindberg, Caryl A., assignor.)
- Emerson Electric Mfg. Co., The. (See Persons, Lawrence M., assignor.)
- Emerson Electric Mfg. Co., The. (See Weber, Victor, assignor.)
- Emerson, George B., Cambridge, Mass. Arteriomometer. 1,982,505; Nov. 27.
- Emerson, George H., Baltimore, Md. Locomotive steam boiler. 1,973,802; Sept. 18.
- Emerson, George H., and J. J. Tatum, Baltimore, Md. Friction vehicle draft and buffing gear. 1,972,041; Aug. 28.
- Emerson, Lilley W., Derry, N. H., assignor of one half to H. A. Freeman, Brooklyn, N. Y. Folding chair. 1,947,410; Feb. 13.
- Emerson, Lilley W., Derry, N. H., assignor of one-half to H. A. Freedman, Brooklyn, N. Y. Yachting chair. 1,955,490; Apr. 17.
- Emerson, Lilley W., Hooksett, N. H., assignor of one-half to H. A. Freedman, Brooklyn, N. Y. Folding chair. 1,980,615; Nov. 13.
- Emerson, Merton L., Braintree, Mass., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch tube. 1,951,820; Mar. 20.
- Emerson, Sam, et al. (See Jaworowski, Joseph F., assignor.)
- Emery, Alfred H. (See Aldeborgh, E. H., and Emery.)
- Emery, Alfred H., Poughkeepsie, N. Y. Telegraph key. 1,960,236; May 29.
- Emery, Charles F., Jr., Houston, Tex. Hose connection. 1,962,060; June 5.
- Emery, Frederick L. (See Morey, E., and Stimpson, assignors.)
- Emery, George G., Sanford, R. W. Knowlton, and H. C. Bennett, Westbrook, assignors to Sanford Mills, Sanford, Maine. Needle loom. 1,943,662; Jan. 16.
- Emery, Grace H., executrix. (See Morey, E., and Stimpson.)
- Emery, Howard, A. Irvine, and A. T. Bateman, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Semipermanent molding apparatus. 1,948,653; Feb. 27.
- Emery, Samuel W., et al. (See Boucher, Albert P., assignor.)
- Emery, William M., Lansdowne, Pa. Ironing press. 1,967,081; July 17.
- Emery, William M., Lansdowne, Pa. Ironing press. 1,967,082; July 17.
- Emery, William M., Lansdowne, Pa. Ironing press. 1,967,083; July 17.
- Emery, William M., Lansdowne, Pa. Ironing press. 1,967,084; July 17.
- Emery, William M., Lansdowne, Pa. Ironing press. 1,967,085; July 17.
- Emery, William M., Lansdowne, Pa. Ironing press. 1,967,086; July 17.
- Emery, William M., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric ironer. 1,985,025; Dec. 18.
- Emery, William M., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mangle. 1,973,052; Sept. 11.
- Emhardt, John C., F. M. McNair, Newburgh, N. Y., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Top spinning roll cover. 1,967,929; July 24.
- Emmanuel Missionary College. (See Williams, Lewis S., assignor.)
- Emmens, Hendrik. (See van Geel, W. C., de Boer, and Emmens.)
- Emmens, Hendrik. (See van Geel, W. C., and Emmens.)
- Emmerling, Anson A., Albany, N. Y., assignor to General Electric Company. Electroresponsive device. 1,962,898; June 12.
- Emmert, John R., Berwyn, assignor to Emil J. Paidar Company, Chicago, Ill. Barber chair. 1,951,508; Mar. 20.
- Emmett, William L. R., and B. P. Coulson, jr., Schenectady, N. Y., assignors to General Electric Company. Mercury boiler. 1,948,371; Feb. 20.
- Emmi, Joseph, jr., Syracuse, N. Y. Airplane. 1,952,242; Mar. 27.
- Emmich, George L. E., Clucinnati, Ohio. Preheater. 1,962,114; June 12.
- Emmons, Arthur N., assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Portable hand abrading machine. 1,945,425; Jan. 30.
- Emmons, Arthur N., assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Abrading or surface finishing machine. 1,974,136; Sept. 18.
- Emmons, Arthur N., assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Disk sander. 1,983,277; Dec. 4.
- Emmons, Clarence L., Clifton, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Double compartment metal package. 1,984,570; Dec. 18.
- Emmons, Herbert I., Methuen, Mass. Loom harness operating mechanism. 1,944,971; Jan. 30.
- Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Drill and like implement and making same. Re19,182; May 29.
- Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Cutting and forming tool, implement, and the like, and making same. 1,977,845; Oct. 23.
- Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Nitrided article of manufacture. 1,982,421; Nov. 27.
- Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Nitrided article of manufacture. 1,982,422; Nov. 27.
- Emmons, Willard O., Lockport, and J. Williams, Medina, N. Y., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Radiator spiral coil tube. 1,960,305; May 29.
- Emms, Sydney A. G. (See Wilson, W., and Emms.)
- Emons, Ernest E., Kennett Square, Pa. Spectacle front. 1,976,661; Oct. 9.
- Emons, Ernest E., Kennett Square, Pa., assignor to The Ful-Vue Sales Company, Washington, D. C. Pair of spectacles. Des. 91,518; Feb. 20.
- Emons, Ernest E., Kennett Square, Pa., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacle frame. Des. 93,765; Nov. 6.
- Emons, Ernest E., Wilmington, Del., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacles. 1,964,664; June 26.
- Emory, Francis F., Leominster, Mass. Oil filter. 1,948,654; Feb. 27.

- Empire Metal Cap Co., Inc. (See Merolle, Augustus L., assignor.)
- Empire Oil and Refining Company. (See Camp, Hiram W., assignor.)
- Empire Oil & Refining Company. (See Straight, Herbert R., assignor.)
- Empire Oil & Refining Company. (See Walker, John C., assignor.)
- Empson, Alfred W., Gunnersbury, London, assignor to J. Stone & Company Limited, Deptford, England. Centrifugal separator. 1,950,357; Mar. 6.
- Emrick, William H., Portland, Oreg., assignor to Colony Management Corporation, New York, N. Y. Making or separating an expansion fit. 1,980,156; Nov. 6.
- Emry, Clyde L. (See Cummins, T. K., and Emry.)
- Emsco Derrick & Equipment Company. (See Davidson, William D., assignor.)
- Emsco Derrick & Equipment Company. (See Tremolada, Guglielmo, assignor.)
- Emswiler, Owyn B., Minneapolis, Minn. Butt plate for gun stocks. 1,951,135; Mar. 13.
- Emulsoids, Inc. (See Knight, Hugh, assignor.)
- Emulsoids, Inc. (See Knight, H., Swallen, and Bannister, assignors.)
- Enamellers Guild, Inc. (See Rosenberg, Jacob E., assignor.)
- Enamel Products Company, The. (See Brett, William H., assignor.)
- Enamel Products Company, The. (See Mochi, Ugo, assignor.)
- Endacott, Paul S., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Consumer's liquefied gas storage and utilization equipment. 1,976,719; Oct. 16.
- Endacott, Paul S., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Consumer's method of utilizing liquefied gas. 1,977,267; Oct. 16.
- Endacott, Paul S., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Dispensing equipment for compressed gas. 1,977,268; Oct. 16.
- Enderich, Winfield S. (See Fiegel, W. S., Enderich, and Bracciano.)
- Enderle, Frank C., Los Angeles, Calif. Shipping box for burial caskets. 1,973,947; Sept. 18.
- Enderlin, Joseph, East Northport, N. Y. Rotary motor. 1,981,615; Nov. 20.
- Enders, John C., St. Louis, Mo. Fender shaper. 1,951,821; Mar. 20.
- Endowment Foundation. (See Hoover, P. L., and Kennedy, assignors.)
- Endrass, Heinz. (See Ungelenk, A., Fischer, and Endrass.)
- Endres, Herbert A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Compounding rubber. 1,958,745; May 15.
- Endriz, John D. (See Herbst, C. A., and Endriz.)
- Endsley, Louis E. (See Hunter, P. E., and Endsley.)
- Energen Foods Company Limited. (See Poutitney, Samuel V., assignor.)
- Engberg, Axel O., and A. Eriksson-Jons, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,954,924; Apr. 17.
- Engberg, Axel O., and T. E. D. Bilde, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Apparatus for brushing, polishing, and the like. 1,958,658; May 15.
- Engberg, Axel O., and F. Carlstedt, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Corporation. Carrying device. 1,979,027; Oct. 30.
- Engberg, Earl L., et al. (See Calkins, Leslie B., assignor.)
- Engberg, Martin H., Highland Park, Ill. Manufacturing basic zinc carbonate. 1,944,415; Jan. 23.
- Engberg, Thaddeus R., assignor of twenty per cent to B. B. Bush and thirty per cent to J. Jahn, Riverside, Calif. Reverse safety lock. 1,972,983; Sept. 11.
- Engbrecht, George C., and A. J. Olsen, Chicago, Ill., and A. M. Olsen, Milwaukee, Wis., assignors to Permo Products Corporation. Pressing and ironing machine. 1,981,410; Nov. 20.
- Engel, Albert W., Chicago, Ill. Transparent mounting device. 1,968,674; July 31.
- Engel, Albert W., Chicago, Ill. Multiple mounting corner. 1,976,607; Oct. 9.
- Engel, Antonie J., Arnhem, Netherlands, assignor, by mesne assignments, to American Enka Corporation, Wilmington, Del. Process and apparatus for the washing and after treatment of artificial silk spinning cakes. 1,957,328; May 1.
- Engel Bruno. (See Wietzel, R., and Engel.)
- Engel, Ernst, assignor to A. Teves, Frankfurt-on-the-Main, Germany. Cylinder for hydraulic brakes. 1,980,616; Nov. 13.
- Engel, Ernst, assignor to Alfred Teves Company, Frankfurt-on-the-Main, Germany. Hydraulic opening and closing device. 1,980,617; Nov. 13.
- Engel, Frank A., Roselle, assignor to Inner-Tite Clamp Corporation, Elizabeth, N. J. Pipe joint packing device. 1,964,044; June 26.
- Engel, Frank A., Roselle, assignor to Inner-Tite Clamp Corporation, Elizabeth, N. J. Pipe clamp. 1,979,680; Nov. 6.
- Engel, Frank A., Roselle, F. V. Lawrence, Plainfield, and F. Hudson, Roselle, assignors to Inner-Tite Clamp Corporation, Elizabeth, N. J. Pipe joint packing device. 1,979,255; Nov. 6.
- Engel, Friedrich V. A. E., London, England, assignor to Republic Flow Meters Company, Chicago, Ill. Orifice plate for flow meters. 1,980,672; Nov. 13.
- Engel, Hans, Mannheim, and J. Jannek, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion of hydrocarbons into those of lower boiling point. 1,941,884; Jan. 2.
- Engel, Irving, Jackson Heights, N. Y. Cover for babies' beds. 1,963,739; June 19.
- Engel, Karl, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking device. 1,968,133; July 31.
- Engel, Kurt, Koslin, Germany, assignor to General Electric Company, Schenectady, N. Y. Cathode ray tube. 1,954,666; Apr. 10.
- Engel, Kurt, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Cathode structure of electric discharge apparatus. 1,955,541; Apr. 17.
- Engel, Kurt, Gollnow, Koslin/Pommern, assignor to Allgemeine Elektrizitäts Gesellschaft, Berlin, Germany. Oscillograph. 1,981,850; Nov. 20.
- Engelbertz, William H., Pittsburgh, Pa. Apparatus for rolling or drawing of tubes. 1,961,209; June 5.
- Engelhard, Charles, Inc. (See Cetjen, John H., assignor.)
- Engelhard, Charles, Inc. (See Hamilton, William F., assignor.)
- Engelhardt, Henry C., assignor to The A. C. Gilbert Company, New Haven, Conn. Electric fan and supporting means therefor. 1,956,614; May 1.
- Engelhardt, Victor, and N. Schönfeldt, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrolytic cell. 1,981,498; Nov. 20.
- Engelken, Richard C., Passaic, N. J., and H. A. Kliegl, assignors to Kliegl Bros. Universal Electric Stage Lighting Co. Inc., New York, N. Y. Light projector. Des. 93,766; Nov. 6.
- Engelman, Robert C., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Heat exchanger. 1,972,706; Sept. 4.
- Engelmann, Friedrich W., Hamburg, assignor to Harburger Oelwerke Brinckman und Mergell, Harburg-Wilhelmsburg, Germany. Production of stable water-containing emulsions of vegetable lecithin. 1,972,764; Sept. 4.
- Engels, Wilhelm. (See Kollek, L., and Engels.)
- Engels, William H., assignor to Merck & Co., Inc., Rahway, N. J. Receptacle closure. 1,976,720; Oct. 16.
- Engelsman, Monroe, New York, N. Y. Ring and finger gauge. 1,981,911; Nov. 27.
- Engelson, George, Newark, N. J. Smoking stand. Des. 91,807; Mar. 27.
- Engemann, Herbert H., and H. H. Burdick, Pontiac, Mich. Automatic device for tappet valve adjustments. 1,972,477; Sept. 4.
- Engh, Walter B., assignor to The Mantle Lamp Company of America, Chicago, Ill. Preheating device for hydrocarbon burners. 1,947,194; Feb. 13.
- Engh, Walter B., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp hanger. 1,958,746; May 15.
- Engh, Walter B., Chicago, Ill., and C. W. Davis, Alexandria, Ind., assignors to The Mantle Lamp Company of America, Chicago, Ill. Pressure lantern. 1,964,939; July 3.
- Engholm, Bernard A., Lakewood, assignor to The Rola Company, Cleveland, Ohio. Electrodynamical device. 1,948,207; Feb. 20.
- Engholm, Bernard A., Lakewood, assignor to The Rola Company, Cleveland, Ohio. Making a voice coil. 1,956,826; May 1.
- Engholm, Bernard A., Lakewood, assignor to The Rola Company, Cleveland, Ohio. Loud speaker. 1,972,927; Sept. 11.
- Engholm, Bernard A., assignor to The Rola Company, Cleveland, Ohio. Loud speaker. 1,974,770; Sept. 25.
- Engholm, Bernard A., Lakewood, and J. J. Swent, assignors to The Rola Company, Cleveland, Ohio. Loud speaker. 1,961,286; June 5.
- Engineering Appliance Corporation. (See Kriegstedt, Carl E. O., assignor.)
- Engineering and Research Corporation, The. (See Bacon, David L., assignor.)
- Engineering and Research Corporation, The. (See Broekhuysen, William C., assignor.)
- Engineering Research Corporation. (See Freeman, Carl L., assignor.)
- Engineering and Research Corporation, The. (See Geer, Charles D., assignor.)
- Engineering and Research Corporation, The. (See Geer, C. D., and Biach, assignors.)
- Engineering and Research Corporation, The. (See Geer, C. D., and Stirlen, assignors.)
- Engineering and Research Corporation, The. (See Stirlen, E. D., and Biach, assignors.)
- Engineering and Research Corporation, The. (See Stirlen, E. D., and Geer, assignors.)
- Engl, Josef, Berlin-Charlottenburg, Germany, assignor to Engl Products Corporation, New York, N. Y. Sound light ray intensity control. 1,984,208; Dec. 11.
- Engl Products Corporation. (See Engl, Josef, assignor.)
- England, Clemence F., Minneapolis, Minn. Device for limiting opening movement of window sashes. 1,945,848; Feb. 6.
- Englander, Irving, assignor to Oxyzen Company, New York, N. Y. Puff. 1,975,260; Oct. 2.

- Engle, Clarence W., Houston, Tex. Sucker rod guide. 1,955,276; Apr. 17.
- Engle, Edgar W., Lake Forest, and H. L. Cobb, Waukegan, assignors to Fansteel Products Company, Inc., North Chicago, Ill. Electrolytic condenser. 1,959,415; May 22.
- Engle, Herman L. (See Rose, T. R., and Engle.)
- Englehard, William E., Kearny, and K. W. Maebius, Wood-Ridge, N. J. Lighting system for automotive vehicles. 1,972,514; Sept. 4.
- Engler, Hermann, assignor to Demag, Aktiengesellschaft, Duisburg, Germany. Grab winch. 1,958,037; May 8.
- Engler, Max L., and W. J. Breth, assignors to The General Tire & Rubber Company, Akron, Ohio. Stock rack. 1,942,639; Jan. 9.
- Engler, Otto, Cassel-Wilhelmshöhe, Germany, assignor to The Superheater Company, New York, N. Y. Superheater. 1,975,503; Oct. 2.
- Engler, Peter R., and D. P. Fries, Tulsa, Okla. Keyless lock. 1,964,847; July 3.
- English Electric Company. (See Law, A. H., and Chittenden, assignors.)
- English Electric Company of Canada, Limited. (See Ansingh, Herman K., assignor.)
- English, Francis G. S. (See Thomas, A., and English.)
- English, Francis G. S., West Croydon, assignor to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Interchangeable connection box for card tabulators. 1,983,354; Dec. 4.
- English Needle and Fishing Tackle Company Limited, The. (See Priscott, William T., assignor.)
- English Steel Corporation Limited, et al. (See Bailey, Richard W., assignor.)
- English, Raymond, Clinton, Ill. Rotary pump or motor. 1,984,365; Dec. 18.
- English, Vernal E., assignor of one-third to N. K. Sweek, Phoebus, Va. Illuminating attachment. 1,947,763; Feb. 20.
- English, William E., Bishopston, Swansea, Wales, assignor to The Superheater Company, New York, N. Y. Superheater header. 1,963,740; June 19.
- Englund, Lee T., et al. (See King, George W., assignor.)
- Engs, William, and R. Moravec, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Recovery of alcohols containing more than four carbon atoms. 1,955,416; Apr. 17.
- Engs, William, and R. Z. Moravec, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of alcohols. 1,955,417; Apr. 17.
- Engs, William, and R. Moravec, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of alcohol from olefines. 1,967,399; July 24.
- Engseth, Martin O. (See Remseth, N., and Engseth.)
- Engstrand, Gunnar C., assignor, by mesne assignments, to Sludge Pumping, Inc., New York, N. Y. Oil pumping apparatus. 1,952,061; Mar. 27.
- Engstrand, Gunnar C., assignor to Sludge Pumping, Inc., New York, N. Y. Oil pumping apparatus. 1,964,726; July 3.
- Engstrand, Gunnar C., New York, N. Y., and C. A. G. Armstrong, Roselle, N. J., assignors to Sludge Pumping, Inc., New York, N. Y. Oil pumping apparatus. 1,967,231; July 24.
- Engstrom, Axel E., Evanston, Ill. Soot collector. 1,979,873; Nov. 6.
- Engstrom, Ernst F., assignor to Everhot Manufacturing Company, Maywood, Ill. Branding device for kegs. 1,960,870; May 29.
- Engstrom, Everett E., White Plains, assignor to Metal Package Corporation, New York, N. Y. Canister. Des. 94,022; Dec. 11.
- Engstrom, Gustaf W., Riverside, Ill., assignor to International Harvester Company. Oil burner controls. 1,955,797; Apr. 24.
- Engstrom, Gustaf W., Riverside, Ill., C. B. Faverty, Hammond, Ind., and E. C. Walker, Chicago, Ill., assignors to International Harvester Company. Steam propelled railway vehicle. 1,983,539; Dec. 11.
- Engstrom, Rufus L. (See Stone, F., and Engstrom.)
- Engstrom, Thurston, Paterson, N. J. Protecting finger for shuttle housings. 1,963,192; June 19.
- Engstrom, William A., and E. Ginn, Detroit, Mich. Automatic engine governor. 1,944,638; Jan. 23.
- Enneking, Fritz, Borringhausen, near Damm/Oldbg., Germany. Haymaker. 1,955,230; Apr. 17.
- Ennever, Harry, Harrington Park, N. J. Beer bottle. Des. 92,640; June 26.
- Ennis, Harry C., Flin Flon, Manitoba, Canada. Window pane seal. 1,946,017; Feb. 6.
- Ennis, Harry J., Los Angeles, Calif. Comb. 1,982,136; Nov. 27.
- Ennor, William T., and W. E. King, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa. Metal transfer system. 1,983,579; Dec. 11.
- Enochsen, Erlin B., Germiston, Union of South Africa. Electrical means or device for heating water or other liquids. 1,966,339; July 10.
- Enock, Arthur G., Wembley Park, assignor to Auto Dairy Pioneers Limited, London, England. Pasteurization of milk and other liquids. 1,968,751; July 31.
- Enomoto, Kotaro. (See Ohara, T., Enomoto, and Honda.)
- Enos, Alexander, New York, N. Y. Click lock. 1,979,374; Nov. 6.
- Enright, Robert B., New York, assignor to S. Robinson, Brooklyn, N. Y. Drawing device. 1,970,035; Aug. 14.
- Ensemble Manufacturing Company. (See Simpson, John F., assignor.)
- Ensign-Bickford Co., The. (See Pearsall, David E., assignor.)
- Ensign-Bickford Co., The. (See Thompson, Chester D., assignor.)
- Ensign Carburetor Co. Ltd. (See Ensign, Paul W., assignor.)
- Ensign Carburetor Co., Ltd. (See Ensign, Roy F. and P. W., assignors.)
- Ensign, Paul W. (See Ensign, Roy F. and P. W.)
- Ensign, Paul W., San Marino, assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif. Carburetor. 1,974,450; Sept. 25.
- Ensign, Roy F. and P. W., San Marino, assignors to Ensign Carburetor Co., Ltd., Huntington Park, Calif. Carburetor and fuel converter. 1,948,702; Feb. 27.
- Enterprise Aluminum Company, The. (See Wilcox, Albert C., assignor.)
- Enterprise Electric Lighting Fixtures, Inc. (See Oppenheimer, Charles H., assignor.)
- Enterprise Manufacturing Company, The. (See Case, Francis M., assignor.)
- Enterprise Manufacturing Company, The. (See Pfeuger, Charles T., assignor.)
- Enterprise Manufacturing Company of Pennsylvania, The. (See Hess, Frederick P., assignor.)
- En-Tout-Cas Company (Syston) Limited. (See Foster, Guy C., assignor.)
- Entriken, Orien K., Los Angeles, Calif. Service valve. 1,960,144; May 22.
- Entwistle, Edward F. (See Bent, Q., Entwistle, and Pazzetti, assignors.)
- Enz, Karl, Tokyo-Shigai, Japan, assignor of one-half to W. W. Teft, Jackson, Mich. Method and apparatus for separating sand from water. 1,960,485; May 29.
- Enzinger, Kärll, Heidelberg, assignor to Enzinger-Union-Werke Aktiengesellschaft, Pfeddersheim, Germany. Sterilizing filter masses. 1,956,673; May 1.
- Enzinger-Union-Werke Aktiengesellschaft. (See Adam, Heinrich, assignor.)
- Enzinger-Union-Werke Aktiengesellschaft. (See Enzinger, Kärll, assignor.)
- Enzlin, Diederick, Troyeville, Johannesburg, and J. A. Eklund, Pietersburg, Transvaal, Union of South Africa. Recovery of precious metals by amalgamation. 1,951,822; Mar. 20.
- Enzor, Ora K., assignor of one-fourth to H. E. Dorsey, Indianapolis, Ind. Electrolytic gas producing device. 1,963,959; June 26.
- Ephraim, Armand F., Paris, France. Device for amplifying and diffusing sound. 1,962,300; June 12.
- Epler, Percy H., East Boothbay, Maine. Sanitary closet. 1,977,758; Oct. 23.
- Eplett, Albert D., Bridgeport, Conn., assignor to Consolidated Ashcroft Hancock Company, New York, N. Y. Safety valve. 1,949,150; Feb. 27.
- Epling, Jack. (See Mahon, Harold W., assignor.)
- Eppenstein, Otto, assignor to the firm Carl Zeiss, Jena, Germany. Telescope for observing strong sources of light. 1,971,068; Aug. 21.
- Eppensteiner, William F. (See Eppensteiner, William F. and W. F.)
- Eppensteiner, William F., Rahway, and W. F. Eppensteiner, Woodbridge, assignors to United States Metals Refining Company, Carteret, N. J. Apparatus for handling cast plates. 1,960,002; May 22.
- Eppers, Walter P., Catasauqua, Pa. Grinding mill. 1,951,823; Mar. 20.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe support. 1,962,141; June 12.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,974,487; Sept. 25.
- Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving mechanism. 1,978,526; Oct. 30.
- Epps, Aubrey L., Memphis, Tenn. Portable scaffold and ladder. 1,950,167; Mar. 6.
- Epps, Carl, Rome, Ga., assignor to Tubize Chatillon Corporation. Coned yarn support. 1,984,571; Dec. 18.
- Epps, Carl, Rome, Ga., assignor to Tubize Chatillon Corporation. Coned yarn support. 1,985,026; Dec. 18.
- Eppstein, Isadore A., Toledo, Ohio. Rotary brush. 1,969,549; Aug. 7.
- Epstein, Albert K. (See Reynolds, M. C., and Epstein.)
- Epstein, Albert K., Chicago, Ill. Cake process and product. 1,964,940; July 3.
- Epstein, Albert K., and B. R. Harris, Chicago, Ill. Cheese product and producing the same. 1,945,345; Jan. 30.
- Epstein, Albert K., and B. R. Harris, Chicago, Ill. Baked flour product and making the same. 1,945,346; Jan. 30.
- Epstein, Albert K., and B. R. Harris, Chicago, Ill. Margarine with improved flavor and process. 1,945,347; Jan. 30.
- Epstein, Albert K., and M. C. Reynolds, Chicago, Ill. Salad dressing. 1,949,791; Mar. 6.
- Epstein, Albert K., M. C. Reynolds, and B. R. Harris, Chicago, Ill. Margarine and making the same. 1,958,697; May 15.
- Epstein, Samuel, assignor to Ansonia Bootery, Inc., New York, N. Y. Shoe. Des. 94,123; Dec. 25.

- Epstein, Samuel, assignor to Ansonia Bootery, Inc., New York, N. Y. Shoe. Des. 94,124; Dec. 25.
- Equipment Specialties Company. (See Hull, George A.)
- Equipment Specialties Company. (See Lundvall, John, assignor.)
- Equipment Specialties Company. (See O'Connor, Arthur F., assignor.)
- Equipment & Supply Co., Inc. (See Gillen, George A., assignor.)
- Equitable Paper Bag Co. (See Poppe, George W., assignor.)
- Equity Finance & Investment Corporation. (See Stivers, Jake M., assignor.)
- Erb, George C., Roselle Park, N. J., assignor to American Can Company, New York, N. Y. Seaming head. 1,972,878; Sept. 11.
- Erb-Joyce Foundry Company. (See Udale, Stanley M., assignor.)
- Erbach, Frederick R., Detroit, Mich. Domestic power unit. 1,942,689; Jan. 9.
- Erbach, Frederick R., assignor to Kelvinator Corporation, Detroit, Mich. Water cooling apparatus. 1,972,079; Sept. 4.
- Erbach, Frederick R., assignor to Kelvinator Corporation, Detroit, Mich. Condenser for refrigerating systems. 1,972,765; Sept. 4.
- Erbach, Frederick R., Beloit, Wis., assignor to Kelvinator Corporation, Detroit, Mich. Circuit control mechanism for mechanical refrigerating apparatus. Re19,385; Nov. 27.
- Erbe, Rudolf. (See Meerwein, H., Ulfers, Erbe, Aichner and Klaphake.)
- Erben, Georg von Giesche's, Firm. (See Kaizik, Karl, assignor.)
- Erbsloh, Felix R., assignor to Sainberg & Co. Inc., New York, N. Y. Index device. 1,976,012; Oct. 9.
- Erdahl, Nicholai M., assignor to Highway Trailer Company, Edgerton, Wis. Automatic pipe grapple. 1,966,240; July 10.
- Erdahl, Nicholai M., assignor to Highway Trailer Company, Edgerton, Wis. Side-mounted derrick for tractors. 1,985,285; Dec. 25.
- Erdle, Reiner W., New York, N. Y., and C. H. Prange, Lyndhurst, N. J., assignors to Austenal Laboratories, Inc., New York, N. Y. Lining molds. 1,956,278; Apr. 24.
- Erdman, Peter M., Los Angeles, Calif. Apparatus and method of cleaning tanks containing fluid. 1,978,015; Oct. 23.
- Erdman, Theodore J., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Cultivator. 1,982,862; Dec. 4.
- Erdmann, Hans M., assignor to Ne-Arga Corporation, New York, N. Y. Lamp starting device. 1,983,605; Dec. 11.
- Erdmann, Konrad, Radentheim, Karnten, Austria. Apparatus for manufacturing porous bodies from fibrous materials. 1,953,704; Apr. 3.
- Erdmann, Konrad, Radentheim, Austria. Impregnating fibrous materials for building elements. 1,981,592; Nov. 20.
- Eremeeff, Ivan I., Philadelphia, Pa. Principle of producing oscillating energy of desired characteristic. 1,948,169; Feb. 20.
- Erényi, Ljudevit, Zagreb, Yugoslavia. Preventing and removing boiler scale. 1,964,704; June 26.
- Ergon Research Laboratories, Inc. (See Lilienfeld, Julius E., assignor.)
- Erickson, Archie E., Garret, Ind. Dispensing machine. 1,969,170; Aug. 7.
- Erickson, Arthur F., San Francisco, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switching device. 1,969,974; Aug. 14.
- Erickson, Arvid M., assignor to Barron-Gray Packing Co. Inc., San Jose, Calif. Fruit slicing machine. 1,953,595; Apr. 3.
- Erickson, Arvid M., assignor to Barron-Gray Packing Co. Inc., San Jose, Calif. Fruit slicing machine. 1,959,575; May 22.
- Erickson, Arvid M., assignor to Barron Gray Packing Company, San Jose, Calif. Fruit dicing machine. 1,975,261; Oct. 2.
- Erickson, Charles, Hollywood, Fla. Building construction. 1,954,730; Apr. 10.
- Erickson, Christian F., Grand Forks, N. Dak. Traction device. 1,941,935; Jan. 2.
- Erickson, Edwin E., Detroit, Mich. Safety device for wringers. 1,970,957; Aug. 21.
- Erickson, Ellis O., Pasadena, Calif., assignor to Claude Neon Electrical Products Corporation Ltd., Wilmington, Del. Gaseous discharge lamp circuit. 1,977,231; Oct. 16.
- Erickson, Erick. (See Vaughan, H. A., Olson, and Erickson.)
- Erickson, Erick G., Alexandria, Minn. Cabin. 1,971,977; Aug. 28.
- Erickson, Hugo, Chicago, Ill. Combination bottle and tray with glasses. Des. 93,916; Nov. 27.
- Erickson, John, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Contact bank. 1,971,481; Aug. 28.
- Erickson, John E., assignor to Madison-Kipp Corporation, Madison, Wis. Shim. 1,978,527; Oct. 30.
- Erickson, John H., et al. (See Taggart, Archie D., assignor.)
- Erickson, John R., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,985,722; Dec. 25.
- Erickson, Lewis C., Bellingham, Wash. Centrifugalizer. 1,949,647; Mar. 6.
- Erickson, Marcus A., and J. Groseth, Minneapolis, Minn. Grain separator. 1,985,772; Dec. 25.
- Erickson, Thomas W., Norfolk, Va. Portable waterproof manhole rim. 1,957,162; May 1.
- Ericksson, Emil, assignor to Standard Process Corporation, Chicago, Ill. Intaglio printing methods and apparatus. 1,958,299; May 8.
- Ericson, Edward, Coral Gables, Fla. Hose supporter. 1,947,764; Feb. 20.
- Ericson, Franklin R., Marblehead, Mass., assignor to General Electric Company. Governing mechanism for elastic fluid turbines. 1,960,051; May 22.
- Ericson, Franklin R., Marblehead, Mass., assignor to General Electric Company. Quick closing throttle valve. 1,967,087; July 17.
- Ericson, George R., Maplewood, Mo. Viscosimeter. 1,962,861; June 12.
- Ericson, George R., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Filtering system. 1,944,550; Jan. 23.
- Ericson, George R., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,967,708; July 24.
- Ericson, Philip E. G., St. Charles, assignor to The W. H. Howell Company, Geneva, Ill. Chair frame. Des. 93,712; Oct. 30.
- Ericson, Philip E. G., St. Charles, assignor to The W. H. Howell Company, Geneva, Ill. Glider. 1,953,752; Apr. 3.
- Ericson, Richard. (See Miner, C. S., and Ericson.)
- Ericson, Richard, assignor to United States Gypsum Company, Chicago, Ill. Tile board and manufacturing same. 1,943,663; Jan. 16.
- Ericson, Richard, J. S. Offutt, Chicago, Ill., and J. R. Parsons, Hendersonville, N. C., assignors to United States Gypsum Company, Chicago, Ill. Ceramic acoustical material. 1,948,878; Feb. 27.
- Ericsson, Anders, Hovik, near Oslo, Norway. Device for relieving manifold vacuum. 1,970,002; Aug. 14.
- Ericsson, Erik H. (See Swanson, P. G., and Ericsson.)
- Ericsson, Ernst A. J., Gottenborg, Sweden. Fracture nail. 1,951,278; Mar. 13.
- Ericsson, Harry W. (See Ronci, V. L., and Ericsson.)
- Erie City Iron Works. (See Carlson, Carl T., assignor.)
- Erie City Iron Works. (See St. Clair, Clinton D., assignor.)
- Erie City Iron Works. (See St. Clair, C. D., and Eklund, assignors.)
- Erie Dyeing & Processing Co. (See Kreis, Joseph D., assignor.)
- Erie Malleable Iron Company. (See Vanderveer, Jewell, W., assignor.)
- Erie Resistor Corporation. (See Fryling, George R., assignor.)
- Erie Resistor Corporation. (See Gahn, Frank, assignor.)
- Eriksen, Paul A., Philadelphia, Pa. Safety guard for punch presses. 1,950,233; Mar. 6.
- Erikson, Leonard, Malden, Mass. Lamp socket. 1,957,531; May 8.
- Eriksson, Erik J., Duluth, Minn. Metal snow fence. 1,948,655; Feb. 27.
- Eriksson-Jons, Anders. (See Engberg, A. O., and Eriksson-Jons.)
- Erisman, Jakob, Cleveland, Ohio. Floating washer for water faucets. 1,953,675; Apr. 3.
- Erk, Reinhold V., Waynesville, N. C. Educational rule. Des. 94,078; Dec. 18.
- Erkman, John, Peru, Ind. Concrete block machine. 1,982,730; Dec. 4.
- Erlanger, Milton S., Elberon, N. J., assignor to The B. V. D. Company, Inc., New York, N. Y. Garment. 1,944,416; Jan. 23.
- Erlanger, Milton S., assignor to The B. V. D. Company, Inc., New York, N. Y. Garment. 1,973,849; Sept. 18.
- Erlenbach, Michael. (See Pfaff, K., and Erlenbach.)
- Erlenbach, Michael. (See Steindorff, A., Pfaff, and Erlenbach.)
- Erling, Ralph, Alexandria, Va. Candle holder. Des. 92,796; July 17.
- Erling, Ralph, Alexandria, Va. Automatic by-pass for hydraulic mechanism. 1,969,736; Aug. 14.
- Erling, Sven J., Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Pneumatic and electric connector for milking machines. 1,969,212; Aug. 7.
- Ermon, William C., et al. executors. (See Sampson, Thomas H.)
- Erue, Charles H., Maywood, N. J., assignor to American Can Company, New York, N. Y. Reel for vending machines. 1,957,329; May 1.
- Ernsbarger, George H., Huntington Park, Calif., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding head for reciprocating or jiggling conveyers. 1,968,249; July 31.
- Ernst, Arthur H., Woodbridge, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Material for decorating surfaces. 1,954,353; Apr. 10.
- Ernst, Arthur H., Woodbridge, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Decorating glass. 1,977,625; Oct. 23.

- Ernst, Charles K., Buffalo, N. Y. Safe. 1,954,667; Apr. 10.
- Ernst, Charles K., Buffalo, N. Y. Safe. 1,954,668; Apr. 10.
- Ernst, G. Ralph. (See DeVilbiss, John A., assignor.)
- Ernst, Hans. (See Dall, A. H., and Ernst.)
- Ernst, Hans. (See Sassen, B., and Ernst.)
- Ernst, Hans, and A. H. Dall, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic lubricator. 1,961,514; June 5.
- Ernst, Hans, and M. E. Martellotti, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Vibration dampener for machine tools. 1,965,224; July 3.
- Ernst, Hans, and H. R. Isler, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,969,063; Aug. 7.
- Ernst, Hans, and C. W. Goodrich, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Delayed trip for hydraulic circuits. 1,978,346; Oct. 23.
- Ernst, Herman. (See Flammang, J., Bowser, and Ernst.)
- Ernst, Otto. (See Berndt, Walter and E.)
- Ernst, Otto, Larchmont Manor, N. Y. Automobile. Re19,311; Sept. 11.
- Ernst, Otto, and W. Berndt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing n-methyl compounds of the pyridine series. 1,960,334; May 29.
- Ernst, Otto, and L. Mack, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing hydrogenated amines. 1,982,985; Dec. 4.
- Ernst, Victor C., and A. Wollensak, Rochester, N. Y. Optical appliance. 1,970,958; Aug. 21.
- Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Control mechanism for pumps and associated press circuits. 1,952,663; Mar. 27.
- Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic press operating circuits. 1,956,758; May 1.
- Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Press. 1,971,850; Aug. 28.
- Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Control apparatus for pumps. 1,978,016; Oct. 23.
- Ernst, John P., Beverly Hills, Calif. Necktie press. 1,946,844; Feb. 13.
- Ernstoff, Harry, Brooklyn, N. Y. Store front construction. 1,974,238; Sept. 18.
- Erny, Charles G., Philadelphia, Pa. Spark plug. 1,983,445; Dec. 4.
- Ernzer, Peter J., Burbank, Calif. Vacuum cleaner. 1,970,290; Aug. 14.
- Eroskey, Frank. (See Miller, W. B., and Eroskey.)
- Erospha, Inc. (See Wichita, Alois, assignor.)
- Errig, William F., Philadelphia, and G. M. Pfundt, Churchville, Pa. Tire groover. 1,975,930; Oct. 9.
- Erro, Frank, et al. (See North, Francis C., assignor.)
- Erskine, Clyde, Michigan City, Ind., assignor to International Motor Company, New York, N. Y. Semi-trailer. 1,941,669; Jan. 2.
- Erter, John H., assignor to Alco Products Incorporated, New York, N. Y. Fractionating tower control system. 1,965,225; July 3.
- Ertola, Charles A., and A. L. Slee, San Francisco, Calif. Spoon. 1,980,477; Nov. 13.
- Erving, Jacob. (See Uitto, Matt, assignor.)
- Erwin, Harry A., Corning, N. Y. Skirt holder. 1,962,953; June 12.
- Erwin, Weldon C. (See Sweet, C. H., and Erwin.)
- Erwin, William C., Winthrop, Mass. Reciprocating motor. 1,949,009; Jan. 9.
- Erz- und Kohle-Flotation Gesellschaft mit beschränkter Haftung. (See Schäfer, W., and Mertens, assignors.)
- Es-B-Es Co. (See Dannheiser, Joseph M., assignor.)
- Eschbach, Wilhelm, and H. Wippenhohn, Troisdorf, Rhine-land, Germany. Combined initial and percussion composition. 1,968,134; July 31.
- Escher, Gustav E., Summit, N. J., assignor to White Construction Co., Inc., New York, N. Y. Structural tank unit and assembly thereof. 1,983,355; Dec. 4.
- Eschner, Josef, Vienna, Austria. Parachute. 1,946,066; Feb. 6.
- Escole, Paul J. M., Jeumont, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Surfacing apparatus. 1,947,930; Feb. 20.
- Esdorn, John H., New Rochelle, N. Y. Crown molding. 1,944,070; Jan. 16.
- Eskew, Roderick K., Rahway, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del. Reduction of the viscosity of cellulose nitrate. 1,946,067; Feb. 6.
- Eskew, Roderick K., Rahway, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Treatment of cellulose esters. 1,968,882; Aug. 7.
- Eskew, Roderick K., East Orange, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Treatment of cellulose esters. 1,953,398; Apr. 3.
- Eskilson, Sven A., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Welding and automatic welding apparatus. 1,966,200; July 10.
- Eskilson, Sven A., assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Introducing gas into a liquid. 1,966,854; July 17.
- Eskilson, Sven A., and J. G. Scheer, Stockholm, Sweden, assignors to American Gasaccumulator Company, Elizabeth, N. J. Indicating the direction and velocity of the wind near the ground. 1,953,159; Apr. 3.
- Eskilson, Sven A., Stockholm, and G. K. V. Joanson, Lidingo, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm-Lidingo, Sweden. Regulator for milking machines. 1,980,752; Nov. 13.
- Eskin, Samuel, Roxbury, Mass., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Temperature control device. 1,976,842; Oct. 16.
- Eskin, Samuel, Roxbury, Mass., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Electrical switch. 1,976,843; Oct. 16.
- Eslinger, John, Chicago, Ill. Aeroplane toy. 1,980,391; Nov. 13.
- Espe, Werner, Berlin-Charlottenburg, and F. Evers, Berlin-Wilmersdorf, Germany. Glow cathode. 1,954,474; Apr. 10.
- Espenschied, Lloyd, Hollis, N. Y. Railway signaling. 1,971,482; Aug. 28.
- Espenschied, Lloyd, Kew Gardens, N. Y. Method of and apparatus for transmitting signal control currents. 1,971,483; Aug. 28.
- Espig, Hermann. (See Jaeger, M., and Espig.)
- Esselen, Gustavus J., Swampscott, Mass., assignor to Potlatch Forests, Inc., Lewiston, Idaho. Wood treatment and product. 1,952,664; Mar. 27.
- Esselen, Gustavus J., Swampscott, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Seasoning sheets containing a solvent. 1,953,136; May 8.
- Essem Laboratories, Incorporated, The. (See Steele, Lawrence L., assignor.)
- Essex Foundry. (See Snell, Foster D., assignor.)
- Essex Specialty Co., Inc. (See Bueschel, Fritz, assignor.)
- Essex, William F., assignor to Standard Oil Company, Chicago, Ill. Dispensing pump. 1,956,759; May 1.
- Essex, William F., assignor to Standard Oil Company, Chicago, Ill. Motor vehicle lift. 1,960,871; May 29.
- Essex, William F., assignor to Standard Oil Company, Chicago, Ill. Dispensing pump. 1,973,561; Sept. 11.
- Essex Wire Corporation. (See Elliott, Howard A., assignor.)
- Essie, George B., et al. (See Roy, Joseph A., assignor.)
- Essie, Matilda, et al. (See Roy, Joseph A., assignor.)
- Essmann, Heinrich A. L., Altona-Klein-Flottbek, assignor to the firm Ottensener Wagenfabrik Albert Essmann & Co., Altona-Ottensen, Germany. Weighing device or balance. 1,944,071; Jan. 16.
- Esson, Edwin, Newton, Mass. Combined buffet and heat circulator or article of analogous nature. Des. 92,712; July 10.
- Esson, Edwin, Newton, Mass., assignor, by mesne assignments, to Johnson Products Co., Boston, Mass. Space heater or article of analogous nature. Des. 92,707; July 10.
- Esson, Edwin, Newton, Mass., assignor, by mesne assignments, to Johnson Products Co., Boston, Mass. Combined buffet and heat circulator or article of analogous nature. Des. 92,708; July 10.
- Esson, Edwin, Newton, Mass., assignor, by mesne assignments, to Johnson Products Co., Boston, Mass. Combined buffet and heat circulator or article of analogous nature. Des. 92,709; July 10.
- Esson, Edwin, Newton, Mass., assignor, by mesne assignments, to Johnson Products Co., Boston, Mass. Buffet range or article of analogous nature. Des. 92,710; July 10.
- Esson, Edwin, Newton, Mass., assignor, by mesne assignments, to Johnson Products Co., Boston, Mass. Fuel supply stand for oil burners. Des. 92,711; July 10.
- Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
- Estaugh, William, Wanstead, England. Means of and apparatus for transmitting messages through submarine and other like cables. 1,942,278; Jan. 2.
- Estep, Miles E., Los Angeles, Calif. Shower bath head. 1,976,062; Oct. 9.
- Esterbrook Steel Pen Manufacturing Co., The. (See Ashmore, Leon H., assignor.)
- Esterson, Albert A., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber heel. Des. 92,528; June 19.
- Esterson, Albert A., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md. Shoe, sole or similar article. Des. 94,125; Dec. 25.
- Estes, Philip H. (See Rovere, L. H., and Estes.)
- Estes, Philip H. (See Rovere, L. H., Estes, and Milnor.)
- Estes, Philip H., Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Electrical protective system. 1,979,256; Nov. 6.
- Estes, Philip H., Rutherford, N. J., and O. McGinnis, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Locating faults in cable conductors. 1,958,361; May 8.
- Estler, Irving E. (See Brown, H. M., Estler, and Neuhaus.)
- Estrada, Santiago, E. Mauri, and A. Ivey, Habana, Cuba. Apparatus for extracting fruit juice. 1,966,978; July 17.
- Estrada, Santiago, E. Mauri, and A. Ivey, Habana, Cuba. Apparatus for extracting juice from skinless fruits. 1,972,649; Sept. 4.

- Esty, Edward T. (See Clark, David M., assignor.)
 Etablissements Ch. Faure-Roux. (See Faure-Roux, Charles, assignor.)
 Etablissements E. & M. Lamort Fils. (See Lamort, Marcel, assignor.)
 Etablissements Edouard Belin. (See Yanouchewsky, Vladimir, assignor.)
 Etablissements Hutschinson. (See Sée, J., and Huot, assignors.)
 Etablissements Labinal. (See Petit, Jean F. G., assignor.)
 Etablissements Paul D. (See Sertillange, Maurice A., assignor.)
 Etablissements Tripette & Renaud Fils. (See Barbade, Pierre, assignor.)
 Etherington, Harold, assignor to A. O. Smith Corporation. Milwaukee, Wis. Regenerator construction. 1,941,976; Jan. 2.
 Etherington, Harold, and K. H. Moll, assignors to A. O. Smith Corporation, Milwaukee, Wis. Roll table. 1,959,095; May 15.
 Etherton, Meryl, Kansas City, Mo. Combination opening and display clip for cans. 1,949,792; Mar. 6.
 Etienne, Alfred, Montereau, and R. du Chaffaut, Varennes-sur-Seine, France, assignors, by mesne assignments, to E. I du Pont de Nemours & Company, Wilmington, Del. Carrying out exothermic catalytic chemical reactions. 1,962,501; June 12.
 Etten, Nicholas L., Waterloo, Iowa. Relief device for power units of pneumatic ironing machines. 1,952,916; Mar. 27.
 Etten, Nicholas L., Waterloo, Iowa. Wringer. 1,956,065; Apr. 24.
 Etten, Nicholas L., Waterloo, Iowa. Wringer drive mechanism. 1,962,862; June 12.
 Etten, Nicholas L., Waterloo, Iowa. Wringer actuating device. 1,977,269; Oct. 16.
 Etten, Nicholas L., Waterloo, Iowa, assignor, by mesne assignments, to Chamberlain Corporation. Operating mechanism for presses. 1,947,765; Feb. 20.
 Etten, Nicholas L., assignor, by mesne assignments, to Chamberlain Corporation, Waterloo, Iowa. Buck for ironing machines. 1,981,616; Nov. 20.
 Etter, John H., San Francisco, Calif. Ventilated toilet. 1,979,736; Nov. 6.
 Etter, Thomas, and J. L. Dunn, Philadelphia; said Dunn assignor to M. H. Reinhart, Merion, Pa. Slicing machine. 1,972,586; Sept. 4.
 Ettinger Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Surgical splint. 1,961,118; May 29.
 Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Invalid hoist and carrier. 1,961,119; May 29.
 Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Wire tractor. 1,967,471; July 24.
 Ettl, Joseph, Plainfield, N. J., assignor to Potdevin Machine Company, Brooklyn, N. Y. Label pasting machine. 1,966,490; July 17.
 Etzel, Gastao. (See Weiland, H. J., Henke, and Etzel.)
 Etzelmiller, Robert E. (See Dahlen, M. A., and Etzelmiller.)
 Etzkorn, Rudolf, Oberbruch, near Heinsberg, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Spool. 1,947,642; Feb. 20.
 Etzkorn, Rudolf, Oberbruch, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Thread guide holder. 1,959,158; May 15.
 Etzkorn, Rudolf, Oberbruch, Regierungsbezirk Aachen, Germany, assignor to North American Rayon Corporation, New York, N. Y. Process of and apparatus for the manufacture of artificial ribbons, etc. 1,966,004; July 10.
 Etzkorn, Rudolf, Oberbruch, Regierungsbezirk, Aachen, Germany, assignor to North American Rayon Corporation, New York, N. Y. Stretching filaments. 1,981,351; Nov. 20.
 Eubank, John T., Sherman, Tex., assignor, by mesne assignments, to Package Machinery Company, Springfield, Mass. Hood applying machine for milk bottles. 1,947,978; Feb. 20.
 Eubank, John T., Sherman, Tex., assignor, by mesne assignments, to Package Machinery Company, Springfield, Mass. Machine for automatically sealing hoods on bottles. 1,980,792; Nov. 13.
 Eue, Frederick W., St. Paul, Minn. Plant support. 1,942,750; Jan. 9.
 Eulenhofer, Adolf, Berlin-Tempelhof, assignor to C. Lorenz, A. G., Berlin, Germany. Photo-electric cell system. 1,972,221; Sept. 4.
 Euler, Frank J., Rochester, N. Y. Combined measuring and dispensing closure for coffee containers and the like. 1,962,812; June 12.
 Eumuco Aktiengesellschaft für Maschinenbau. (See Schneider, Arthur, assignor.)
 Eureka Machinery Company (Limited) Trust Estate. (See Maisel, Lorenz, assignor.)
 Eureka Photo Mechanical Equipment, Inc. (See Mazzocco, Dante V., assignor.)
 Eureka Steel Range Co., The. (See Fleer, H. H., and Morgan, assignors.)
 Eureka Vacuum Cleaner Company. (See Crispin, Edwin S., assignor.)
 Eureka Vacuum Cleaner Company. (See Schaad, Theodore A., assignor.)
 Eurich, Richard H., and B. F. Anthony, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Machine for continuous centrifugal casting. 1,942,919; Jan. 9.
 Eustis, Frederic A. (See Cain, John R., assignor.)
 Eustis, Frederick A. (See Cain, John R., assignor.)
 Eustis, J. P., Manufacturing Company. (See Keefe, Thomas C., assignor.)
 Eustis, J. P., Manufacturing Company. (See Keefe, Thomas M., assignor.)
 Eustis, Robert I., and F. S. Beiger, assignors to Eustis Specialty Company, Inc., Los Angeles, Calif. Track for sliding sashes. 1,982,908; Dec. 4.
 Eustis Specialty Company. (See Eustis, R. I., and Beiger, assignors.)
 Eustis, Warner, Newton, Mass., assignor to The Kendall Company, Chicago, Ill. Dispensing package for absorbent cotton or the like. 1,973,615; Sept. 11.
 Euth, John E., Cincinnati, Ohio, assignor to United Auto-graphic Register Co., Chicago, Ill. Web control mechanism. 1,976,440; Oct. 9.
 Evangelidi, Nicolas, Marseille, France. Trimming apparatus. 1,978,787; Oct. 30.
 Evans, Alfred E., Long Beach, Calif. Pump valve. 1,974,533; Sept. 25.
 Evans Appliance Company. (See Dilg, Earl W., assignor.)
 Evans, Archibald D. (See Wean, R. J., and Evans.)
 Evans, Archibald D., assignor to The Weamer Engineering Company, Incorporated, Warren, Ohio. Roll polisher. 1,963,781; June 19.
 Evans, Archibald D., assignor to The Wean Engineering Company, Incorporated, Warren, Ohio. Shears. 1,985,856; Dec. 25.
 Evans, Archibald D., Warren, Ohio, and H. H. Clark, Ellwood City, Pa.; said Clark assignor to Mathews Conveyor Company, Ellwood City, Pa., and said Evans assignor to The Wean Engineering Company, Inc., Warren, Ohio. Conveying mechanism. 1,946,458; Feb. 6.
 Evans, Arthur H. (See Werme, M. G., and Evans.)
 Evans, Carol L., Tipton, Calif. Door pull and latch. 1,948,908; Feb. 27.
 Evans Case Company. (See Anderson, Enar S., assignor.)
 Evans Case Company. (See Carlson, Carl E., assignor.)
 Evans Case Company. (See Cremona, Aristide L., assignor.)
 Evans Case Company. (See Holtzman, John, assignor.)
 Evans Case Company. (See Johnson, Iver M., assignor.)
 Evans Case Company. (See Lawrence, Cecil H., assignor.)
 Evans Case Company. (See Reilly, Alfred F., assignor.)
 Evans Case Company. (See Slocum, Irving F., assignor.)
 Evans Case Company. (See Thompson, John W., assignor.)
 Evans, Charles M., Dublin, Ind., assignor, by mesne assignments, to Western Products Company, Inc. Overhead garage door. 1,959,663; May 22.
 Evans, Charles T., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Oxygen cutting apparatus. 1,979,965; Nov. 6.
 Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric control device. 1,964,199; June 26.
 Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Alternating current electromagnet. 1,980,393; Nov. 13.
 Evans, Claude C. (See White, B., and Evans.)
 Evans, David, assignor to Chicago Steel Foundry Co., Chicago, Ill. Conveyor screw for locomotive stokers. 1,982,799; Dec. 4.
 Evans, David E., Columbus, Ohio. Self-ejecting keys. 1,974,953; Sept. 25.
 Evans, David F., and C. E. Coleman, Buffalo, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Slitting machine. 1,980,392; Nov. 13.
 Evans, David G., Coffee Company. (See Evans, Gwynne, assignor.)
 Evans, Drue M., and W. C. Dorsett, Texas City, Tex., assignors to Petroleum Conversion Corporation, New York, N. Y. Purification of hydrocarbon oils. 1,957,449; May 8.
 Evans, Earl R., Washington, D. C. Electrical power distribution system. 1,947,193; Feb. 13.
 Evans, Earl R., Washington, D. C. Power directional system. 1,947,289; Feb. 13.
 Evans, Earl R., Washington, D. C. Electrical space discharge device. 1,962,061; June 5.
 Evans, Earl R., Washington, D. C. Electrical protective system. 1,962,062; June 5.
 Evans, Earl R., Washington, D. C. Electric welding system. 1,969,550; Aug. 7.
 Evans, Edwin R., Detroit, Mich. Motor vehicle brake. 1,946,135; Feb. 6.
 Evans, Edwin R., Detroit, Mich. Brake shoe construction. 1,957,635; May 8.
 Evans, Edwin R., Chicago, Ill. Brake. 1,946,526; Feb. 13.
 Evans, Edwin R., Chicago, Ill. Brake linkage. 1,947,905; Feb. 20.
 Evans, Edwin R., Chicago, Ill. Brake linkage. 1,950,602; Mar. 13.
 Evans, Edwin R., Chicago, Ill. Attachment of brake lining to brake shoe. 1,950,977; Mar. 13.
 Evans, Edwin R., Chicago, Ill. Brake drum construction. 1,953,217; Apr. 3.
 Evans, Edwin R., Chicago, Ill. Brake construction. 1,964,112; June 26.
 Evans, Edwin R., Chicago, Ill. Brake linkage. 1,970,904; Aug. 21.

- Evans, Edwin R., Chicago, Ill. Brake construction. 1,972,139; Sept. 4.
- Evans, Edwin R., Chicago, Ill. Braking mechanism. 1,979,874; Nov. 6.
- Evans, Edwin R., Chicago, Ill. Brake linkage. 1,981,617; Nov. 20.
- Evans, Edwin R., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,976,063; Oct. 9.
- Evans, Edwin R., and E. A. Rockwell, Chicago, Ill. Emergency lever pick-up and release. 1,947,904; Feb. 20.
- Evans Elevator Equalizer Company. (See Frost, William F., assignor.)
- Evans, Frank W., Omaha, Nebr. Child's chair. Des. 93,867; Nov. 20.
- Evans, Frederick O., et al. (See Steel, Harry L., assignor.)
- Evans, George M., Los Angeles, Calif. Paste tube closure. 1,977,937; Oct. 23.
- Evans, George S., Bronxville, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Detergent composition. 1,968,752; July 31.
- Evans, George S., Bronxville, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Solid detergent. 1,968,753; July 31.
- Evans, Gwynne, assignor to David G. Evans Coffee Company, St. Louis, Mo. Jar. Des. 91,993; Apr. 17.
- Evans, Herbert G., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Grinding device. 1,941,977; Jan. 2.
- Evans, Howell G., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Dental cabinet or the like. Des. 93,337; Sept. 18.
- Evans, Hugh. (See Cerveney, C. J., and Evans.)
- Evans, John M. (See Lazar, A., and Evans.)
- Evans, Joseph E., Bedford, Ind. Elevator equalizer. 1,973,850; Sept. 18.
- Evans, Owen B., assignor to The United Gas Improvement Company, Philadelphia, Pa. Making gas and tar. 1,971,710; Aug. 28.
- Evans, Powell, and M. P. Stoney, assignors, by mesne and direct assignments, to Merchant and Evans Company, Philadelphia, Pa. Fire extinguisher. 1,969,880; Aug. 14.
- Evans, Ralph R., Watertown, assignor to Simplex Wire and Cable Company, Boston, Mass. Insulated wire and making the same. 1,982,288; Nov. 27.
- Evans, Rhys D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Sealing ring. 1,952,427; Mar. 27.
- Evans, Rhys D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Diminishing traction and riding noise in tires. 1,956,011; Apr. 24.
- Evans, Richard J., assignor to Asbestos Manufacturing Company, Huntington, Ind. Pressure mold. 1,972,440; Sept. 4.
- Evans, Richard J., assignor to Asbestos Manufacturing Company, Huntington, Ind. Power mold filling machine. 1,978,744; Oct. 30.
- Evans, Robert D., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,948,749; Feb. 27.
- Evans, Robert D., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective relay. 1,963,193; June 19.
- Evans, Robert D., Swissvale, and H. C. Nycum, Wilkesburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,948,750; Feb. 27.
- Evans, Roland D., Granite City, Ill., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Lamp. 1,959,128; May 15.
- Evans, Ronald C., Elgin, Ill., assignor to Municipal Appliance Company, New York, N. Y. Frame assembly for mounting a unitary device on an automobile chassis. 1,981,995; Nov. 27.
- Evans, Russell G., Detroit, Mich. Radio receiving apparatus. 1,942,751; Jan. 9.
- Evans, S. W., & Son. (See Evans, Wayne S.)
- Evans, Samuel H., Cincinnati, Ohio. Radio tube socket unit. 1,973,248; Sept. 11.
- Evans, Silas E., Bristow, Okla., assignor to Standard Oil Development Company. Jack post structure. 1,970,741; Aug. 21.
- Evans Stamping and Plating Company. (See Ware, Walter C., assignor.)
- Evans Stamping and Plating Company. (See Ware, W. C., and Robertson, assignors.)
- Evans, Theodore. (See Edlund, K., and Evans.)
- Evans, Theodore, Oakland, and K. R. Edlund, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Process and product relating to tertiary ethers. 1,968,033; July 31.
- Evans, Vincent J., Lakewood, and L. S. Castonguay, Cuyahoga Falls, assignors to The Patrol Valve Company, Cleveland, Ohio. Room thermostat. 1,976,930; Oct. 16.
- Evans, Walter B., F. C. Garratt, Jr., and E. F. Hoppes, assignors to The Everwear Manufacturing Company, Springfield, Ohio. Swing seat. 1,975,262; Oct. 2.
- Evans, Wayne S., assignor to S. W. Evans & Son, Philadelphia, Pa. Umbrella construction. 1,969,171; Aug. 7.
- Evans, William A. D., Summit, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric lamp device. 1,951,136; Mar. 13.
- Evans, William H., Bridgeport, Conn. Flexible ventilating tubing or the like. 1,948,909; Feb. 27.
- Evans, William L. (See Herkavi, Michael J., assignor.)
- Evans, Wilmont R. (See Wolfe, Walter G., assignor.)
- Eveland, Hobart B., Peoria, Ill. Signal. 1,965,176; July 3.
- Evelyn, Steven F., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,942,206; Jan. 2.
- Evenaire Regulator Co. (See Burrell, Ellis, assignor.)
- Evenburgh, Ralph L., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Sheave. 1,983,844; Dec. 11.
- Evenburgh, Ralph L., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Sheave. 1,983,845; Dec. 11.
- Evenden, George A., and G. F. Wilson, Hamilton, Ontario, Canada. Inflating and life saving device. 1,978,104; Oct. 23.
- Event, Alexandre A., Boulogne-sur-Seine, France. Lock nut and washer. 1,959,620; May 22.
- Evans, Albert M., Sioux Falls, S. Dak. Loud speaker. 1,951,692; Mar. 20.
- Evenson, Elmer, Sparta, Wis. Rail block fastening device. 1,975,391; Oct. 2.
- Everatt, Reginald W. (See Coffey, S., and Everatt.)
- Ever-Dry Laboratories Inc. (See Reber, Selah M., assignor.)
- Eveready Seat Corporation. (See Zuckerman, Samuel G., assignor.)
- Evered & Company Limited. (See Mitchell, James G., assignor.)
- Everedy Company, The. (See Leberherz, Harry J., assignor.)
- Everest, Guy N., Ridgewood, assignor to The Okonite-Candler Cable Company, Incorporated, Paterson, N. J. Electric cable. 1,959,354; May 22.
- Everett, Arthur C. (See Howard, S. R., and Everett.)
- Everett & Barron Company. (See McPhee, Clement S., assignor.)
- Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Harvester hitch. 1,941,670; Jan. 2.
- Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Hammer mill. 1,960,626; May 29.
- Everett, Claud H., Lampton, Hounslow, England, assignor of one-half to G. R. Carr, Chicago, Ill. Method of and apparatus for punching and crimping or corrugating sheet metal. 1,954,074; Apr. 10.
- Everett, Claud H., Lampton, Hounslow, England, assignor of one-half to G. R. Carr, Chicago, Ill. Sheet metal folding machine. 1,957,330; May 1.
- Everett, Earl K. (See Small, H. W., and Everett.)
- Everett, Edward A., New York, N. Y. Portable metal cutting saw. 1,946,785; Feb. 13.
- Everett, Edward A., Long Island City, N. Y. Lightning arrester. 1,948,701; Feb. 27.
- Everett, Edward A., Long Island City, N. Y. Electrical resistor. 1,956,859; May 1.
- Everett, Edward A., Long Island City, N. Y. Electric terminal. 1,964,565; June 26.
- Everett, John, Lyndhurst, England, assignor to Standard Brands Incorporated, New York, N. Y. Suppression of froth or scum on liquids. 1,984,789; Dec. 18.
- Everett, Julia L., Chicago, Ill. Hair curler. 1,944,417; Jan. 23.
- Everett, Samuel J. (See Turgill, J., and Everett.)
- Everett, Vernon M., Fullerton, Calif. Fluid motor device. 1,953,534; Apr. 3.
- Everhard, Edgar P., assignor to Freyn Engineering Company, Chicago, Ill. Weighing and delivery mechanism. 1,970,291; Aug. 14.
- Everhart, George S., Terre Haute, Ind. Bottle carrier. 1,965,886; July 10.
- Everhot Manufacturing Company. (See Engstrom, Ernst F., assignor.)
- Everhot Manufacturing Company. (See Flothow, Alfred C., assignor.)
- Evers, Fritz. (See Espe, W., and Evers.)
- Evers, Leonard, et al. (See Koning, Johan M. H., assignor.)
- Evers, Norman, and C. J. Eastland, London, and J. H. Thompson, Whitton Park, assignors to Allen & Hanbury Limited, London, England. Preparing liquids containing active principles or hormones from parathyroid glands. 1,984,260; Dec. 11.
- Everson, Franklin E., Scarsdale, N. Y. Window display device. 1,980,977; Nov. 20.
- Everstam, Edit A. and J. G., assignors to Aktiebolaget Superior, Stockholm, Sweden. Hydraulic shock absorber. 1,954,693; Apr. 10.
- Everstam, Johan G. (See Everstam, Edit A. and J. G.)
- Everston, Joseph H., Milwaukee, Wis. Shoe. 1,976,389; Oct. 9.
- Everwear Manufacturing Company, The. (See Evans, W. B., Garratt, and Hoppes, assignors.)
- Everybody's Tool & Die Works Corp. (See Lerma, Stephen, assignor.)
- Every Point Guaranteed Lubricating System, Inc. (See Maddigan, Arthur G., assignor.)
- Every Point Guaranteed Lubricating System, Inc. (See Maddigan, A. G., and Rousseau, assignors.)
- Evinrude, Ole, assignor to Outboard Motors Corporation, Milwaukee, Wis. Shop power tool. 1,973,409; Sept. 11.
- Evlath, Earl M., Park Ridge, assignor to The Bastian-Blessing Company, Chicago, Ill. Urn. 1,952,915; Mar. 27.
- Evoyn, Martin, Philadelphia, Pa. Loading hoist for trucks. 1,945,426; Jan. 30.
- Evr Klean Seat Pad Co. (See Behrle, Edward H., assignor.)

- Evr-Klean Seat Pad Company. (See Sallop, Harry A., assignor.)
- Evr-Kleen Seat Pad Company. (See Wittcoff, Edward, assignor.)
- Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Light distributing device for dials and other surfaces to be illuminated. 1,956,092; Apr. 24.
- Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Detachable hose coupling. 1,968,075; July 31.
- Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Pressure regulating apparatus. 1,977,907; Oct. 23.
- Ewald, Carl A., Seattle, Wash. Water bed. 1,943,888; Jan. 16.
- Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Coring machine. 1,948,459; Feb. 20.
- Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Pear treating apparatus. 1,979,322; Nov. 6.
- Ewald, Waldemar, Berlin-Lichterfelde-Ost, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Lens for optical purposes. 1,943,521; Jan. 16.
- Ewald, Warren, assignor, by mesne assignments, to Buckeye Blower Company, Columbus, Ohio. Unit heater and ventilator control system. 1,948,494; Feb. 27.
- Ewald, Warren, and J. McElgin, assignors to John J. Nesbitt, Inc., Philadelphia, Pa. Heating, ventilating, and air conditioning apparatus. 1,972,766; Sept. 4.
- Ewald, Wolfgang F., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Measuring distances. 1,965,632; July 10.
- Ewart, James B., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Pawl and ratchet mechanism. 1,979,028; Oct. 30.
- Ewart, William M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,961,747; June 5.
- Ewer, Frank R., Modesto, Calif. Variable speed transmission. 1,948,656; Feb. 27.
- Ewer, Roland G., assignor to The Carbondale Machine Company, Carbondale, Pa. Refrigerant storage means. 1,976,879; Oct. 16.
- Ewerhardt, Frank H., St. Louis, Mo., and F. B. Zener, Portland, Oreg., assignors to General Electric X-Ray Corporation, Chicago, Ill. Therapeutic electrode. 1,950,788; Mar. 13.
- Ewers, Adolph W., assignor to Arnold Brothers, Inc., Chicago, Ill. Box. 1,950,104; Mar. 6.
- Ewers, John V. (See Shofer, M. R., and Ewers.)
- Ewertz, Eric H., Elizabeth, N. J. Tank construction. 1,950,234; Mar. 6.
- Ewest, Hans. (See Pirani, M., and Ewest.)
- Ewest, Hans, Berlin, Germany, assignor to General Electric Company. Electric cathode glow lamp. 1,961,748; June 5.
- Ewest, Hans, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,961,749; June 5.
- Ewest, Hans, Berlin, Germany, assignor to General Electric Company. Electric cathode glow lamp. 1,984,469; Dec. 18.
- Ewest, Hans, Berlin, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,951,137; Mar. 13.
- Ewest, Hans, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 1,951,138; Mar. 13.
- Ewest, Hans, Berlin-Lichterfelde-Ost, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,961,750; June 5.
- Ewing, Dwight T., East Lansing, Mich. Electroplating chromium. 1,952,793; Mar. 27.
- Ewing, Henry, and R. P. Roberts, Spondon, near Derby, England, assignors to Celanese Corporation of America. Fiber testing apparatus. 1,970,292; Aug. 14.
- Ewing, Lon R., Kokomo, and T. J. Mechling, Burlington, Ind. Threshing machine. 1,951,509; Mar. 20.
- Ewing, Preston D., New York, N. Y. Toy vehicle. Des. 92,529; June 19.
- Exact Weight Scale Company, The. (See Okey, Perry, assignor.)
- Exact Weight Scale Company, The. (See Varney, Manford D., assignor.)
- Excel Auto Radiator Company. (See Lake, Donald W., assignor.)
- Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)
- Excel Curtain Company. (See Levan, John F.)
- Excel Magneto Co. (See Reis, Curt F., assignor.)
- Excelsior Steel Furnace Company, The. (See Holub, John J., assignor.)
- Excoffier, Eugène, Chemin du Moulin-Sannois, France. Spark plug. 1,977,938; Oct. 23.
- Exelmans, Marie C. M., Neuilly-sur-Seine, France, assignor to Holophane Company, Inc., New York, N. Y. Apparatus adapted for lighting the ground and for aircraft signals. 1,977,673; Oct. 23.
- Exelmans, Maurice, Paris, France, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,976,163; Oct. 9.
- Exline, Paul G. (See Blackwood, O. H., and Exline.)
- Exolon Company, The. (See Hauman, Earl L., assignor.)
- Exolon Company, The. (See Ramsey, Dell M., assignor.)
- Exolon Company, The. (See Walton, Samuel F., assignor.)
- Expanded Metal Company, Limited. (See Salmon, H., and Williams, assignors.)
- Expanded Metal Company Limited, The. (See Williams, E. T., and Salmon, assignors.)
- Expando Company. (See Rohne, Robert E., assignor.)
- Expello Corporation, The. (See Dunaway, Sanford J., assignor.)
- Expello Corporation, The. (See Mathes, John R., assignor.)
- Explorator A. G. (See Silbermann, E., and Stolcz, assignors.)
- Exton, William G., New York, N. Y. Photo-electric measuring apparatus. 1,954,925; Apr. 17.
- Exton, William G., New York, N. Y. Electrooptical method and means for measuring concentrations, colors, dispersions, etc., of fluids and similar substances. 1,971,443; Aug. 28.
- Extract, Maurice, New York, N. Y. Ensemble dress. Des. 92,649; July 3.
- Extract, Maurice, New York, N. Y. Dress. Des. 93,605; Oct. 16.
- Eyer, Carl. (See Krauch, C., Eyer, Baetz, and Korn.)
- Eyer, Carl. (See Stephansen, N., Eyer, and Meder.)
- Eyer, Carl, and F. Korn, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Mixed fertilizer. 1,952,849; Mar. 27.
- Eyer, Carl, Ludwigshafen-on-the-Rhine, G. Baetz, Oggersheim, and A. Herterich, Gerthe, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Noncaking mixed fertilizer. 1,966,947; July 17.
- Eymann, Constanx, Bessen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Removal of hydrogen sulphide from gases. 1,957,253; May 1.
- Eymann, Constanx, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Conversion of gases or gas mixtures at high temperatures. 1,957,254; May 1.
- Eymann, Konstanx. (See Hansen, C. J., and Eymann.)
- Eynon, Thomas M., Philadelphia, Pa. Gauge. 1,977,434; Oct. 16.
- Eyre, John J., East Saugus, Mass. Bolt and rod nippers. 1,972,515; Sept. 4.
- Eyre, John V., and H. Langwell, Epsom, assignors to The Distillers Company Limited, Edinburgh, Great Britain. Copper salt compositions, particularly as a preservative liquid for treating timber fabric and other materials. 1,969,213; Aug. 7.
- Eyrick, Philip A., Arlington, Mass. Waffle iron grid. Des. 93,917; Nov. 27.
- Eyster, Lewis A. (See Hand, L. R., and Eyster.)
- Eyston, George E. T., assignor to Powerplus (1927), Limited, London, England. Rotary pump machine. 1,945,220; Jan. 30.
- E-Z Reach Paper Cutter Corporation. (See Bowles, H., and McClintock, assignors.)
- F. & C. Manufacturing Company. (See Sokolow, S., and Preston, assignors.)
- Faast, Victor S., Los Angeles, Calif. Spray gun. 1,964,255; June 26.
- Fabbrica Italiana Magneti Marelli Societa Anonima. (See Quintavalle, Umberto, assignor.)
- Fabel, George S., Trenton, N. J., assignor to Southern Asbestos Company, Charlotte, N. C. Making heat insulating tape. 1,949,298; Feb. 27.
- Faber, Eberhard, Pencil Co., et al. (See Grossman, Harold, assignor.)
- Faber, Eberhard, Pencil Co. (See Roth, Henry J., assignor.)
- Faber Engineering Company. (See Faber, L. D., and Carroll, assignors.)
- Faber, Ernst, Stuttgart, Germany. Washing machine. 1,961,287; June 5.
- Faber, Henry B. (See Driggs, L. L., and Faber.)
- Faber, Henry B. (See McKee, R. H., and Faber.)
- Faber, John P., Dunellen Borough, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Apparatus for hoisting and distributing loose material. 1,980,673; Nov. 13.
- Faber, Leon De R., and C. J. Carroll, assignors to Faber Engineering Company, Philadelphia, Pa. Treating textile materials and the like. 1,948,568; Feb. 27.
- Faber, Paul, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Control system for prime movers. 1,985,773; Dec. 25.
- Faber, William F., Newark, assignor to Victor N. Roadstrum, West Orange, N. J. Reforming of light paraffin hydrocarbons. 1,961,288; June 5.
- Fabian, Joseph E., Pittsburgh, assignor of one-third to H. Robertshaw, Dunbar, and one-third to H. B. McNeal, Pittsburgh, Pa. Pretzel making machine. 1,957,135; May 1.
- Fabregat, José Figueras, Barcelona, Spain. Burnishing or polishing device. 1,974,771; Sept. 25.
- Fabbrica Italiana Magneti Marelli Societa Anonima. (See deMonge, Gérard, assignor.)
- Fabrick, Walter, Elgin, Ill. Fruit jar sealer and tightener. 1,943,470; Jan. 16.
- Fabricord, Inc. (See Gardner, Frederick P., assignor.)
- Fabrics, Incorporated. (See Haynes, Robert E., assignor.)
- Fabrin, Axel O., assignor to Layne & Bowler, Memphis, Tenn. Submersible prime mover. 1,955,955; Apr. 24.

- Fabriques des Montres Zenith Successeur de Fabriques des Montres Zenith Georges Favre-Jacot & Cie. (See Winter, Gustav, assignor.)
- Fabriques d'Horlogerie Thommen S. A., the firm. (See Straumann, Reinhard, assignor.)
- Fabrizio, Achille, Havre de Grace, Md. Dual salute. 1,972,478; Sept. 4.
- Fackinet, Carl E., Punxsutawney, Pa. Illuminated automobile sign. 1,960,668; May 29.
- Factor, Max, Los Angeles, Calif. Make-up box. 1,944,502; Jan. 23.
- Fadely, James M., assignor to Warner Gear Company, Muncie, Ind. Clutch device. 1,949,385; Feb. 27.
- Fader, Walter A. (See Francis, L. M., Jeffers, and Fader.)
- Faessler, J., Mfg. Company, The. (See Maupin, Graves R., assignor.)
- Fafnir Bearing Company, The. (See Cooper, E. H., Searles, and Smith, assignors.)
- Fafnir Bearing Company, The. (See Cooper, E. H., Searles, Smith, and Houston, assignors.)
- Fafnir Bearing Company, The. (See File, Merwin S., assignor.)
- Fafnir Bearing Company, The. (See Gorman, William J., assignor.)
- Fafnir Bearing Company, The. (See Juengst, Raymond W., assignor.)
- Fafnir Bearing Company, The. (See Leister, Fayette, assignor.)
- Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
- Fafnir Bearing Company, The. (See Skelly, George M., assignor.)
- Fafnir Bearing Company, The. (See Smith, John W., assignor.)
- Fafnir Bearing Company, The. (See Steeneck, Robert F., assignor.)
- Fagan, Charles D., Sharon, and R. W. Swank, Sharpsville, Pa. Dispensing system. 1,972,261; Sept. 4.
- Fagan, John T. (See Frech, T. W., Fagan, Donovan, and Isaac.)
- Fagan, John T., Cleveland Heights, Ohio, assignor to General Electric Company. Switch attachment for cameras and the like. 1,970,418; Aug. 14.
- Fagan, Lewis E., Chicago, and A. B. Mojonnier, River Forest, Ill., assignors to Mojonnier Bros., Co. Bottle filling and capping machine. 1,966,889; July 17.
- Fagelson, Edward D., Atlanta, Ga. Shoe-shine recorder. 1,946,395; Feb. 6.
- Fagelson, Edward D., Atlanta, Ga. Attachment for shoes for golf and other sports. 1,946,396; Feb. 6.
- Fageol, Frank R., Oakland, Calif., assignor to Twin Coach Company, Kent, Ohio. Cooling system for self propelled vehicles. 1,969,172; Aug. 7.
- Fageol, Robley D., assignor to Leibing Automotive Devices, Inc., Oakland, Calif. Fuel control apparatus. 1,982,049; Nov. 27.
- Fageol, Rollie B., Los Angeles, Calif. Shackless spring suspension for road vehicles. 1,975,263; Oct. 2.
- Fageol, Rollie B., Los Angeles, Calif. Multiwheel road vehicle. 1,981,593; Nov. 20.
- Fageol, Rollie B., Los Angeles, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Motor vehicle. 1,947,337; Feb. 13.
- Fageol, Rollie B., Los Angeles, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Dual drive multiwheel road vehicles. 1,949,830; Mar. 6.
- Fageol, Rollie B., Los Angeles, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Multiwheel road vehicle. 1,975,202; Oct. 2.
- Fageol, Rollie B., Los Angeles, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Multi-wheel road vehicle. 1,981,449; Nov. 20.
- Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Motor vehicle. Des. 91,556; Feb. 20.
- Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Electrically driven road vehicle and operating same. 1,972,333; Sept. 4.
- Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Multiwheel twin-motor road vehicle. 1,973,144; Sept. 11.
- Fagerberg, Sven G. A. (See Bilde, T. E. D., and Fagerberg.)
- Fagergren, William, Salt Lake City, Utah. Aerating machine. 1,963,122; June 19.
- Fagerlund, Erik A., Lidings, Vallastad, assignor, by mesne assignments, of one-half to Aktiebolaget Nexum, Stockholm, Sweden. Screw cap for electric lamps. 1,969,641; Aug. 7.
- Fahy, John T., Oil City, Pa. Gate valve. 1,949,011; Feb. 27.
- Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Article and casting the same. 1,962,490; June 12.
- Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Article and casting the same. 1,962,491; June 12.
- Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Mold and method of casting. 1,982,423; Nov. 27.
- Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Mold and method of casting metal. 1,982,424; Nov. 27.
- Fahlstrom, John G., Kansas City, Mo. Incinerator. 1,947,836; Feb. 20.
- Fahnoe, Hans F. H., and E. M. Glenn, Sharon, and D. D. Knowles, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Arc welding apparatus. 1,962,342; June 12.
- Fahrenkamp, Paul, assignor to Atlas-Werke Aktiengesellschaft, Bremen, Germany. Hydraulic four-way valve. 1,945,680; Feb. 6.
- Fahrenwald, Arthur W., Moscow, Idaho. Grinding mill. 1,953,472; Apr. 3.
- Fahrenwald, Arthur W., Moscow, Idaho. Machine for flotation of ores. 1,984,366; Dec. 18.
- Fahrenwald, Frank A., Chicago, Ill. Gunsight reticule adjustment means. 1,949,100; Feb. 27.
- Fahrenwald, Frank A., Chicago, Ill. Disk mounting for furnace conveyer shafts. 1,949,386; Feb. 27.
- Fahrenwald, Frank A., Chicago, Ill. Gunsight reticule adjustment means. 1,950,790; Mar. 13.
- Fahrenwald, Frank A., Chicago, Ill. Heater. 1,964,256; June 26.
- Fahrenwald, Frank A., Chicago, Ill. Conveyer roll disk assembly. 1,968,675; July 31.
- Fahrenwald, Frank A., Chicago, Ill. Machinable stainless casting. 1,984,636; Dec. 18.
- Fahrenwald, Frank A., Chicago, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Ductile cast iron and making the same. 1,941,671; Jan. 2.
- Fahrenwald, Frank A., Chicago, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Brake shoe and making the same. 1,941,672; Jan. 2.
- Fahrney, Emery H., Chicago, Ill. Synchronous shiftable bevel gearing. 1,951,139; Mar. 13.
- Fahrney, Emery H., Chicago, Ill. Glass tube cutter. 1,951,140; Mar. 13.
- Fahrney, Emery H., Chicago, Ill. Motor propelling and steering mechanism for boats. 1,966,029; July 10.
- Fahrney, Emery H., Chicago, Ill. Lawn mower attachment. 1,981,098; Nov. 20.
- Failey, Maiby R., Kankakee, assignor to The James H. Watson Company, Bradley, Ill. Metal table. 1,952,665; Mar. 27.
- Failla, Gioacchino, and J. E. Rose, New York, N. Y. Treatment by radiations. 1,954,868; Apr. 17.
- Fallor, Newton C., et al. (See Davey, John E.)
- Fain, Jacob M., Brooklyn, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Manufacture of aqueous emulsions. 1,963,231; June 19.
- Fain, Jacob M., Brooklyn, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Aqueous dispersions. 1,980,192; Nov. 13.
- Fair, Frank. (See Raymond, G., Morgen, and Fair.)
- Fair, Marcus A., Englewood, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Automatic stop for extrusion presses. 1,977,824; Oct. 23.
- Fairall, Harry K., Hollywood, Calif., assignor, by mesne assignments, to Harriscolor Films, Inc., Jersey City, N. J. Camera shuttle. 1,944,228; Jan. 23.
- Fairall, Harry K., Hollywood, Calif., assignor to Harriscolor Films, Inc., Jersey City, N. J. Motion picture camera. 1,956,947; May 1.
- Fairbairn, John J. (See Andrada, M. J., and Fairbairn.)
- Fairbairn, Lawson Combe Barbour Limited. (See Paul, Moriz J. A., assignor.)
- Fairbairn, Walter M. (See Johnson, A. M., and Fairbairn.)
- Fairbanks Company, The. (See Gomes, E. E., and Hancock, assignors.)
- Fairbanks, E. & T., and Company. (See Bousfield, Alfred, assignor.)
- Fairbanks, E. and T., and Company. (See Jacobus, Alvah B., assignor.)
- Fairbanks, E. and T., and Company. (See Taylor, William H., assignor.)
- Fairbanks, George A. (See Valentine, C. W., Ottersland and Fairbanks.)
- Fairbanks, Morse & Co. (See Anderson, Gordon R., assignor.)
- Fairbanks, Morse & Co. (See Antonsen, Anker K., assignor.)
- Fairbanks, Morse & Co. (See Boock, Alfred C., assignor.)
- Fairbanks, Morse & Company. (See Cook, Robert V., assignor.)
- Fairbanks, Morse & Company. (See Cook, R. V., and Bradford, assignors.)
- Fairbanks, Morse & Co. (See Goetter, Edward A., assignor.)
- Fairbanks, Morse & Co. (See Goldberg, Morris J., assignor.)
- Fairbanks, Morse & Co. (See Harstick, William H., assignor.)
- Fairbanks, Morse & Co. (See Heath, William C., assignor.)
- Fairbanks, Morse & Co. (See Lack, Arnold S., assignor.)
- Fairbanks, Morse & Co. (See Lentell, John H., Jr., assignor.)
- Fairbanks, Morse & Co. (See Mahana, Charles G., assignor.)
- Fairbanks, Morse & Co. (See Petersen, Eyvind W., assignor.)
- Fairbanks, Morse & Co. (See Reis, Curt F., assignor.)
- Fairbanks, Morse & Co. (See Renken, Harry J., assignor.)
- Fairbanks, Morse & Co. (See Rosner, Adolph, assignor.)
- Fairbanks, Morse & Co. (See Straube, Raymond C., assignor.)

- Fairbanks, Morse & Co. (See Walter, H. C., and Nies, assignors.)
- Fairbanks, Morse & Co. (See Whitehead, John R., assignor.)
- Fairchild Aerial Camera Corporation. (See Black, William A., assignor.)
- Fairchild Aerial Camera Corporation. (See Lutz, Frederick W., assignor.)
- Fairchild, Charles O., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Controlling system. 1,970,559; Aug. 21.
- Fairchild, Edwin B., Manila, P. I. Electric signaling device. 1,964,317; June 26.
- Fairchild, William, Albany, N. Y. Skill device. 1,972,587; Sept. 4.
- Fairchild, William, assignor to A. P. W. Paper Co., Albany, N. Y. Toilet paper pack. 1,958,190; May 8.
- Fairley Aviation Company Limited, The. (See Forsyth, Archibald G., assignor.)
- Fairfax, Howard G., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,970,293; Aug. 14.
- Fairfax Partition & Construction Company, Inc. (See Holdsworth, Harry, assignor.)
- Fairfield Engineering Company. (See Walker, H. B., and Thumert, assignors.)
- Fairfield Specialties Corporation. (See Edison, Theodore M., assignor.)
- Fairfield Specialties Corporation. (See Hoban, Fairfield W., assignor.)
- Fairfield, Thomas J. (See Beaver, C. J., Fairfield, and Smith.)
- Fairley, Charles M., St. Louis, Mo. Fishing rod. 1,944,508; Jan. 23.
- Fairley, Taliaferro J., Alexandria, assignor of one-half to W. J. Hunter, and one-half to M. P. Hunter, Shreveport, La. Plastic. 1,964,848; July 3.
- Fairley, Taliaferro J., Alexandria, and R. Frye, assignors of one-half to W. J. Hunter and one-half to M. P. Hunter, Shreveport, La. Reclaiming rubber. 1,959,576; May 22.
- Fairmont Railway Motors, Inc. (See Protzeller, Harry W., assignor.)
- Fairmount Glass Works. (See Ferguson, John, assignor.)
- Fairmount Glass Works, Inc. (See Harvey, John A., assignor.)
- Fairweather, David A. W. (See Hooley, L. J., Thomson, and Fairweather.)
- Fairweather, David A. W., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, England. Dyeing and the like. 1,943,787; Jan. 16.
- Fairweather, David A. W., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Sulphuric esters of the anthraquinone series and process suitable for making the same. 1,949,299; Feb. 27.
- Fairweather, David A. W., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Dyes and dyeing. 1,962,142; June 12.
- Fairweather, David A. W., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Sulphuric acid ester of anthranols. 1,970,083; Aug. 14.
- Fairweather, David A. W., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Tetra sulphuric acid esters of indanthrones and their production. 1,976,689; Oct. 9.
- Fairy Silk Mills. (See Heller, William, assignor.)
- Fajen, Theodore E., Cleveland, Ohio. Toaster. 1,969,361; Aug. 7.
- Fakkema, Mark. (See Weatherford, Joseph H., assignor.)
- Falcon, Joseph V., Evanston, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Hunting coat. 1,980,394; Nov. 13.
- Falconer, John R. (See Chase, P. H., and Falconer.)
- Falconer, John R. (See Chase, P. H., Falconer, and Cunningham.)
- Falconer, William S., Preston East, near Melbourne, Victoria, assignor to International Motor Patents Proprietary Limited, Melbourne, Victoria, Australia. Charge-forming device. 1,983,357; Dec. 4.
- Faldini, Mario, assignor to Società Italiana Pirelli, Milan, Italy. Manufacture of rubber and articles thereof. 1,983,972; Dec. 11.
- Falek, Oskar. (See Wallis, T., Falek, and Virck.)
- Fales Chemical Company, The. (See Fales, Harold A., assignor.)
- Fales, Elisha N., Haverford, Pa. Wind tunnel. 1,968,382; July 31.
- Fales, Harold A., Leonia, N. J., assignor to The Fales Chemical Company, Incorporated, Cornwall Landing, N. Y. Label for students' unknown analysis sample packages. 1,949,903; Mar. 6.
- Fales, John H., Baltimore, Md., assignor to The Bowker Chemical Company, Carteret, N. J. Plant-protective agent and preparing the same. 1,979,213; Oct. 30.
- Falge, Robert N., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lens for head lamps. 1,950,978; Mar. 13.
- Falge, Robert N., Anderson, Ind., and C. E. Godley, Ypsilanti, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lighting circuit. 1,954,075; Apr. 10.
- Falge, Robert N., Anderson, Ind., and C. E. Godley, Ypsilanti, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Automobile headlighting system. 1,954,806; Apr. 17.
- Falk, Abraham, Flushing, N. Y. Tie rack. Des. 91,319; Jan. 9.
- Falk Corporation, The. (See Bethenod, J., and Goudet, assignors.)
- Falk Corporation, The. (See Henderson, W. S., and Roe, assignors.)
- Falk Corporation, The. (See Jury, Frank W., assignor.)
- Falk Corporation, The. (See Schmitter, Walter P., assignor.)
- Falk Corporation, The. (See Slonneger, John C., assignor.)
- Falk, Morris, Leominster, assignor to Independent Lock Co., Fitchburg, Mass. Rotary bolt lock. 1,983,446; Dec. 4.
- Falk, Theodore S., Brooklyn, assignor to Continental Paper and Bag Corp., New York, N. Y. Paper bag. 1,948,569; Feb. 27.
- Falk, Theodore S., Brooklyn, assignor to Continental Paper and Bag Corporation, New York, N. Y. Paper bag. 1,951,011; Mar. 13.
- Falkenthal, Erwin, Berlin-Dahlem, Germany, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Radioreceiver. 1,976,574; Oct. 9.
- Falkiner Cane Harvester Corporation. (See Falkiner, R. S., and Charley, assignors.)
- Falkiner Cane Harvester Corporation of America. (See Falkiner, R. S., and Charley, assignors.)
- Falkiner, Ralph S., and W. G. Charley, Melbourne, Victoria, Australia, assignors to Falkiner Cane Harvester Corporation of America, New York, N. Y. Cane harvesting machine. 1,959,781; May 22.
- Falkiner, Ralph S., and W. G. Charley, Melbourne, Victoria, Australia, assignors to Falkiner Cane Harvester Corporation, New York County, N. Y. Cane harvesting machine. 1,975,089; Oct. 2.
- Falkner, Carl G., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,956,013; Apr. 24.
- Falkoff, Samuel H., Wooster, Ohio. Philatelic mounting. 1,972,012; Aug. 28.
- Fall, Albert P., Toledo, Ohio. Piston ring for internal combustion engines. 1,946,677; Feb. 13.
- Falla, Fernando, Millburn Township, Essex County, N. J. Method and apparatus for brewing coffee and the like. 1,957,163; May 1.
- Fallert, Clifford D., St. Louis, Mo., assignor to Robert Gaylord, Incorporated. Packing case. 1,949,794; Mar. 6.
- Fallert, Clifford D., assignor to Robert Gaylord, Incorporated, St. Louis, Mo. Shipping case. 1,962,492; June 12.
- Fallert, Robert A., et al. (See Baumann, Andrew N., assignor.)
- Fallis, Allgood A. (See Burnett, P. A., Fallis, and Pritchett.)
- Fallon, Clarence M., San Diego, Calif. Pneumatic crutch pad. 1,980,044; Nov. 6.
- Fallon, William J., jr., Boston, Mass. Beaded welting and making the same. 1,961,345; June 5.
- Fallon, William J., jr., Boston, Mass. Securing an increased yield of welting from leather stock. 1,984,525; Dec. 18.
- Fallows, Louis F., Nutley, N. J. Paper container. 1,961,556; June 5.
- Fallows, Louis F., Nutley, N. J. Paper container. 1,961,557; June 5.
- Falls, William A., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,947,931; Feb. 20.
- Falls, William A., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 1,977,051; Oct. 16.
- Faltlhauser, Will. (See Mauser, Wilhelm, assignor.)
- Family Laundry Company Malden, et al. (See Pierce, Lucien, assignor.)
- Fanarjan, John, Union City, N. J., assignor of one-half to P. M. J. M., and J. M. Hammalian. Foldable desk. 1,948,703; Feb. 27.
- Fancher, Howard M., assignor to The Rochester Folding Box Co., Rochester, N. Y. Storage chest. 1,950,168; Mar. 6.
- Fancher, Jon H., Chatham, assignor to Landon P. Smith, Inc., Irvington, N. J. Spray device. 1,965,633; July 10.
- Fandrich, Andreau, McClusky, N. Dak. Hoe. Des. 91,808; Mar. 27.
- Fanfarillo, Cesare, Glassboro, N. J. Roadway subgrader. 1,949,151; Feb. 27.
- Fanghanel, Walter P. F., London, and A. S. G. Rolstone, Plumstead, Kent, England. Filling and stuffing machine for mattresses and the like. 1,953,850; Apr. 3.
- Fankbner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,945,631; Feb. 6.
- Fankbner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Delivery mechanism. 1,949,152; Feb. 27.
- Fankbner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Folding mechanism. 1,949,153; Feb. 27.
- Fankbner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Folding mechanism. 1,957,880; May 8.
- Fankbner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,964,874; July 3.

- Fankboner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,981,912; Nov. 27.
- Fanner Manufacturing Company, The. (See Raible, Charles G., assignor.)
- Fansteel Products Company. (See Anselm, Albert J., assignor.)
- Fansteel Products Company. (See Austin, Miner M., assignor.)
- Fansteel Products Company. (See Engle, E. W., and Cobb, assignors.)
- Fansteel Products Company. (See Hunter, Frederick L., Jr., assignor.)
- Fante, Harry H., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Rack. 1,947,932; Feb. 20.
- Fante, Harry H., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Rack. 1,947,933; Feb. 20.
- Fantone, Charles B., Lyndhurst, and R. M. Jameson, Teaneck, assignors to Synco Machine Company, Arlington, N. J. Apparatus for coating wire. 1,943,818; Jan. 16.
- Fantone, Charles B., Lyndhurst, and R. M. Jameson, Teaneck, assignors to Synco Machine Company, Arlington, N. J. Method and apparatus for applying web covering to strands. 1,955,908; Apr. 24.
- Fantone, Charles B., Lyndhurst, and R. M. Jameson, Teaneck, assignors to Synco Machine Company, Arlington, N. J. Machine for applying webs to wire and the like. 1,984,405; Dec. 18.
- Fantz, Fred C. (See Ard, Charles E., assignor.)
- Fantz, Fred C. (See Getzen, John E., assignor.)
- Fantz, Fred C. (See Windisch, Edward B., assignor.)
- Fantz, Fred C., Webster Groves, Mo. Return bend for cracking coils in oil stills. 1,962,863; June 12.
- Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Co. Inc., St. Louis, Mo. Die clamp for machines for flanging pipes. 1,955,119; Apr. 17.
- Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Co. Inc., St. Louis, Mo. Pipe fitting. 1,972,294; Sept. 4.
- Fanzoi, John. (See Rhodes, M. H., and Fanzoi.)
- Fara, Ray, assignor to La Porte Specialties, Inc., La Porte, Ind. Condiment container. Des. 92,839; July 24.
- Farabaugh, Edward L., Bethlehem, Pa., assignor to Bethlehem Steel Company. Ingot mold and ingot. 1,973,374; Sept. 11.
- Farasey, James, Cleveland Heights, Ohio. Apparatus for inserting markers in pavements. 1,950,169; Mar. 6.
- Farastan Company, The. (See Ebert, Joseph, assignor.)
- Farb- & Gerbstoffwerke Car Flesch Jr. (See Huttenlocher, Richard, assignor.)
- Farbenindustrie, I. G. Aktiengesellschaft. (See Daimler, K., and Balle, assignors.)
- Färber, Eduard, and F. Koch, Heidelberg, Germany. Method of saccharifying cellulose-containing substances, such as wood, by means of mineral acids. 1,969,600; Aug. 7.
- Farber, Julian, Brooklyn, N. Y. Watchcase. 1,968,444; July 31.
- Farber, S. W., Inc. (See Farber, Simon W., assignor.)
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Candelabra. Des. 91,557; Feb. 20.
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Candelabra. Des. 91,558; Feb. 20.
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Candelabra. Des. 91,559; Feb. 20.
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Candelabra. Des. 91,560; Feb. 20.
- Farbridge, John R., Colombo, Ceylon. Heating apparatus. 1,951,971; Mar. 20.
- Faries Manufacturing Company. (See Brantingham, Alan, assignor.)
- Faries Manufacturing Company. (See Henkel, Adolf A., assignor.)
- Faries Manufacturing Company. (See Henkel, A. A., and Wiedenboeff, assignors.)
- Faries, Robert, St. Davids, Pa. Railway shipping container. 1,942,022; Jan. 2.
- Faries, Robert, St. Davids, Pa. Joint bar. 1,948,102; Feb. 20.
- Farina, Emanuele G., Milan, Italy. Device for translating signs agreed upon. 1,968,287; July 31.
- Farkas, Eugene, Brooklyn, N. Y. Camera casing. Des. 92,650; July 3.
- Farkas, Eugene J. (See Ford Motor Company, assignors.)
- Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Shock absorber. 1,963,654; June 19.
- Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Transmission operating mechanism. 1,975,835; Oct. 9.
- Farkas, John G., St. Paul, Minn. Antiskid chain. 1,965,887; July 10.
- Farley, Francis S., Trenton, N. J. Internal combustion engine. 1,946,136; Feb. 6.
- Farley, Francis S., Trenton, N. J. Manufacture of ground wood pulp and grinding stone therefor. 1,975,452; Oct. 2.
- Farley, Francis S., and R. B. Brown, Trenton, N. J., assignors, by mesne assignments, to L. M. Sutherland, Lower Makefield Township, Pa. Pulp refining and the like and apparatus therefor. 1,984,869; Dec. 18.
- Farley, George W., and R. M. Hansen, Eureka, Calif. Window raising and lowering device. 1,951,401; Mar. 20.
- Farley, Marcus M., assignor to Duplex Printing Press Company, Battle Creek Mich. Method and apparatus for supplying webs to newspaper printing presses. 1,961,685; June 5.
- Farman, Henry & Maurice. (See Waseige, Charles R., assignor.)
- Farmer, Albert M., assignor, by mesne assignments, of one-half to E. N. Hartwick and one-half to H. B. Bloomer, Detroit, Mich. Lubricant nipple. 1,959,909; May 22.
- Farmer, Charles D., Detroit, Mich. Deodorant container. Des. 91,651; Mar. 6.
- Farmer, Clyde C. (See Stewart, C. D., and Farmer.)
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air strainer. 1,943,592; Jan. 16.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston and packing ring. 1,947,701; Feb. 20.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 1,953,007; Mar. 27.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Testing apparatus for electro-pneumatic brake equipment. 1,953,008; Mar. 27.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,953,009; Mar. 27.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,956,674; May 1.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control of brakes from caboose. 1,961,101; May 29.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,967,299; July 24.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 1,967,300; July 24.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston rod collar. 1,969,786; Aug. 14.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Journal box dust guard. 1,969,787; Aug. 14.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder lubricator. 1,972,732; Sept. 4.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,972,733; Sept. 4.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake system. 1,975,264; Oct. 2.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Back-up valve device. 1,980,327; Nov. 13.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake device. 1,980,328; Nov. 13.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake shoe clearance adjuster. 1,980,329; Nov. 13.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locking angle cock. 1,984,870; Dec. 18.
- Farmer, Clyde C., Pittsburgh, and E. E. Hewitt, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,961,100; May 29.
- Farmer, Clyde C., Pittsburgh, and T. H. Thomas, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,967,298; July 24.
- Farmer, Frank T., assignor of one-half to R. E. Farmer, Richmond, Ind. Lawn mower. 1,954,380; Apr. 10.
- Farmer, George R. (See Fluckiger, Rudolph, assignor.)
- Farmer, John W. (See La Mayeau, W. F., Farmer, and Smith.)
- Farmer, Richard O. (See Clapp, L. R., and Farmer.)
- Farmer, Robert E. (See Farmer, Frank T., assignor.)
- Farmers Manufacturing Company. (See Hunt, Sylvester H., assignor.)
- Farnam, F. D. (See Bradley, Richard C., assignor.)
- Farnam, Julian P., assignor, by mesne assignments, to Page & Hill Co., Minneapolis, Minn. Lamp post. 1,972,187; Sept. 4.
- Farnham, John P., and C. C. Bishop, Buffalo, N. Y. Surgical electrode. 1,945,140; Jan. 30.
- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Dynatron circuit. 1,943,471; Jan. 16.
- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Multirange superheterodyne receiver. 1,943,788; Jan. 16.
- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Coupled circuits. 1,945,427; Jan. 30.
- Farnham, Paul O., assignor to Radio Frequency Laboratories Incorporated, Boonton, N. J. Selective transmission network. 1,950,358; Mar. 6.
- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Automatic gain control system. 1,953,553; Apr. 3.

- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Automatic gain control circuits. 1,953,554; Apr. 3.
- Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical communication system. 1,961,140; June 5.
- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Radioreceiver. 1,967,768; July 24.
- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Radio receiving system. 1,971,646; Aug. 28.
- Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Aligning band-pass circuits. 1,977,435; Oct. 16.
- Farnham, Paul O., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Transmission circuit. 1,978,255; Oct. 23.
- Farnham, Paul O., and H. F. Argento, assignors to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Radioreceiver. 1,943,789; Jan. 16.
- Farnham, Ralph. (See Gray, F. D., and Farnham.)
- Farnsworth, Philo T., assignor to Television Laboratories, Inc., San Francisco, Calif. Electron multiplier. 1,969,399; Aug. 7.
- Farnsworth, Philo T., Berkeley, assignor, by mesne assignments, to Television Laboratories, Inc., San Francisco, Calif. Photoelectric apparatus. 1,970,036; Aug. 14.
- Farnsworth, Philo T., assignor to Television Laboratories, Ltd., San Francisco, Calif. Thermionic vacuum tube. 1,975,143; Oct. 2.
- Farr, Arthur L. (See Konerman, W. A., Rump, and Farr.)
- Farr, Henry V. (See Mallinckrodt, E., Jr., and Farr.)
- Farr, Kenneth R. (See De Groot, M., Adams, and Farr.)
- Farr, Stewart M., assignor to Brook Hill Farm Incorporated, Genesee Depot, Wis. Acidophilus product and producing the same. 1,985,490; Dec. 25.
- Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Hub cap construction. 1,945,348; Jan. 30.
- Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel spoke shroud. 1,950,082; Mar. 6.
- Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wire wheel and forming the same. 1,954,445; Apr. 10.
- Farr, Warren H., and C. L. Eksergian, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Artillery wheel. Des. 91,457; Feb. 6.
- Farr, Warren H., O. E. Smith, and C. L. Eksergian, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Tensioning wire wheels. 1,944,596; Jan. 23.
- Farr, Warren H., C. L. Eksergian, and O. E. Smith, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Wire wheel truing machine and method. 1,979,966; Nov. 6.
- Farrand, Hiram A., assignor to H. A. Farrand, Inc., Berlin, N. H. Coiling means for concavo-convex rules. 1,952,979; Mar. 27.
- Farrand, Hiram A., Inc. (See Farrand, Hiram A., assignor.)
- Farrar, Joseph A. (See Como, F. E., and Farrar.)
- Farrel-Birmingham Company. (See Carroll, Willard R., assignor.)
- Farrel-Birmingham Company. (See Gordon, William A., assignor.)
- Farrel-Birmingham Company. (See Johnson, Emil H., assignor.)
- Farrel-Birmingham Company. (See Kuhns, Austin, assignor.)
- Farrel-Birmingham Company. (See Lewis, R. C., and Hultgren, assignors.)
- Farrell, Clara M. (See Kulick, Edward L., assignor.)
- Farrell, Daniel A. (See Lyons, J. J., and Farrell.)
- Farrell, Daniel A., assignor to John F. Jelke Company, Chicago, Ill. Food product and making same. 1,984,470; Dec. 18.
- Farrell, Edward P. (See Schauss, John A., assignor.)
- Farrell, John J., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Press roll drive. 1,983,126; Dec. 4.
- Farrell Manufacturing Company. (See Crossen, Robert W., Jr., assignor.)
- Farrns, Albert H., Lincoln, Nebr. Truss tile. 1,945,681; Feb. 6.
- Farrat, Jacques, Paris, France, assignor to Autorist S A Autorist Limited, Eribourg, Switzerland. Self-winding wristlet watch. 1,963,976; June 26.
- Farrington, Charles E., Phoenixville, Pa. Barrel agitator and handle. 1,970,367; Aug. 14.
- Farrington, Harry J., Newton, assignor to Farrington Manufacturing Company, Boston, Mass. Eyeglass case. 1,947,979; Feb. 20.
- Farrington, John F., Flushing, assignor to International Communications Laboratories, Incorporated, New York, N. Y. Keying system. 1,949,248; Feb. 27.
- Farrington Manufacturing Company. (See Creesy, George B., assignor.)
- Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)
- Farrington Manufacturing Company. (See Farrington, Harry J., assignor.)
- Farris, Clayton, et al. (See Christie, Walter, assignor.)
- Farro, Sam, St. Louis County, assignor of fifty per cent to A. Matejcek, St. Louis, Mo. Sprayer. 1,968,383; July 31.
- Farron, Elie A. (See Long, John R., assignor.)
- Farrow, Edward S., and S. J. Carroll, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing cellulose acetate films. 1,954,812; Apr. 10.
- Farval Corporation, The. (See Burrell, Clarence R., assignor.)
- Farval Corporation, The. (See Kerns, Leonard R., assignor.)
- Farval Corporation, The. (See Whittington, Ralph S., assignor.)
- Farwell Ozmun Kirk & Co. (See Marzolf, George B., assignor.)
- Fasking, Frederick A., Chicago, Ill. Finger ring. Des. 91,927; Apr. 10.
- Fasking, Frederick A., Chicago, Ill. Finger ring. Des. 91,928; Apr. 10.
- Fasking, Frederick A., Chicago, Ill. Finger ring. Des. 91,929; Apr. 10.
- Fassett, George R., Atlanta, Ga., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Slub catcher. 1,968,676; July 31.
- Fassett, Wallace F., Derby, assignor to The Ansonia O & C Company, Ansonia, Conn. Buckle for hose supporters, suspenders, or the like. 1,959,416; May 22.
- Fassin, Gustave, Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microprojector. Des. 92,393; June 5.
- Fassin, Gustave, Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. Des. 92,394; June 5.
- Fassin, Gustave, Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Measuring microscope. 1,974,606; Sept. 25.
- Fassinger, Charles, Pittsburgh, Pa. Thread rolling apparatus. 1,973,201; Sept. 11.
- Fassinger, Charles, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Bolt. 1,960,734; May 29.
- Fassinger, Charles, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Mechanism for forming insulator brackets and the like. 1,983,935; Dec. 11.
- Fassmann, Bruno, Berlin, Germany, assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,955,798; Apr. 24.
- Fassnacht, Hartwell H., Wenonah, N. J., assignor to B. I. du Pont de Nemours & Company, Wilmington, Del. Gelatinized high explosive composition. 1,966,090; July 10.
- Fassnacht, Richard C., et al. (See Braun, Géza, assignor.)
- Fast, Gustave, assignor to Gustave Fast Engineering Corporation, Annapolis, Md. Friction clutch. 1,984,337; Dec. 11.
- Fast, Gustave, Engineering Corporation. (See Fast, Gustave, assignor.)
- Fast, John E., & Company. (See Kopinski, Louis, assignor.)
- Fast, Marion L., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Two-stroke cycle engine. 1,984,013; Dec. 11.
- Fastborg, Anton A. R., Stockholm, Sweden. Stopper for bottles and the like. 1,953,931; Apr. 10.
- Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Attenuator for rotary kilns and the like. 1,942,140; Jan. 2.
- Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Apparatus for preliminary treatment of raw material mixed for cement burning. 1,955,277; Apr. 17.
- Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Rotary kiln. 1,964,344; June 26.
- Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Nodulizing cement materials, etc. 1,980,130; Nov. 6.
- Fate-Root-Heath Company, The. (See Allen, Roy H., assignor.)
- Fatland, Conrad, Mount Prospect, Ill. Mop. 1,949,461; Mar. 6.
- Fatland, Conrad, Mount Prospect, Ill. Mop. 1,966,890; July 17.
- Fattinger, Franz, and O. Haas, Treibach, Austria. Radioactive artificial fiber. 1,956,948; May 1.
- Fauchet, Honoré, Paris, France. Talking machine. 1,962,813; June 12.
- Faudi, Fritz, assignor to A. Ehrenreich & Cie, Dusseldorf-Oberkassel, Germany. Cushioning of the handle of compressed air hammers. 1,973,432; Sept. 11.
- Faulds, John, Oak Park, Ill. Brake oven. 1,941,792; Jan. 2.
- Faulhafer, Valentine G., Vancouver, British Columbia, Canada. Container display top. 1,974,672; Sept. 25.
- Faulkner, Karl B., assignor to Corning Glass Works, Corning, N. Y. Furnace construction. 1,955,956; Apr. 24.
- Faulkner, Louis E., Hattiesburg, Miss. Bell ringing device for locomotives. 1,980,260; Nov. 13.
- Faultless Caster Company. (See Brokaw, E. A., Noelting, and Roettger, assignors.)
- Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
- Fauston, Ellis C., assignor of one-fifth to B. Reingold, Portland, Oreg. Shock absorber. 1,961,634; June 5.

- Faure, André, and A. Faure, Firminy, Loire, France. Transformable lifting appliance. 1,944,972; Jan. 30.
- Faure, Antoine. (See Faure, André, and A.)
- Faure-Roux, Charles, assignor to Etablissements Ch. Faure-Roux, St.-Chamond, France. Winding machine. 1,950,105; Mar. 6.
- Faure-Roux, Charles, Chamond Loire, assignor to Etablissements Ch. Faure-Roux, St.-Chamond, France. Extensible device. 1,962,585; June 12.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Measuring instrument. 1,952,160; Mar. 27.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Measuring instrument. 1,952,161; Mar. 27.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Measuring instrument. 1,962,929; June 12.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. 1,985,082; Dec. 18.
- Faus, Herbert W., White Plains, N. Y. Hot-box indicator. 1,979,875; Nov. 6.
- Fausek, Arthur J., and I. F., St. Louis, Mo. Torch. 1,941,467; Jan. 2.
- Fausek, Arthur J. and I. F., St. Louis, Mo. Tip for cutting torches. 1,955,120; Apr. 17.
- Fausek, Arthur J. and I. F., Clayton, Mo. Acetylene generator. 1,956,827; May 1.
- Fausek, Arthur J. and I. F., St. Louis, Mo. Cut-off device. 1,964,045; June 26.
- Fausek, Irving F. (See Fausek, Arthur J. and I. F.)
- Fausel, Charles A., Glenridge, N. J., assignor to H. R. Brand, New York, N. Y. Automatic machinery. 1,957,386; May 1.
- Fausel, Charles A., Glenridge, N. J., assignor to H. R. Brand, New York, N. Y. Temperature regulating means for cooking apparatus. 1,961,141; June 5.
- Fausser, Giacomo, Novara, assignor to Montecatini, Società Generale Per L'Industria Mineraria Ed Agricola, Milan, Italy. Production of solid ammonium salts. 1,962,185; June 12.
- Fausett, Floyd, assignor to Supreme Instruments Corporation, Greenwood, Miss. Electric meter. 1,954,311; Apr. 10.
- Fausett, Floyd, assignor to Supreme Instruments Corporation, Greenwood, Miss. Oscillation suppressor for radio testing apparatus. 1,971,099; Aug. 21.
- Faust, Fred A., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Temperature regulating system. 1,973,752; Sept. 18.
- Faust, Fremont J. (See Kressin, Arthur W., assignor.)
- Faust, Paul E., West Wyomissing, assignor to Narrow Fabric Company, West Reading, Pa. Display package and clamp device therefor. Re19,075; Feb. 13.
- Fausten, Alfons, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Coating material useful in the manufacture of artificial leather. 1,971,398; Aug. 28.
- Faut, Jules A. M., assignor to Les Fibres Textiles, Schaerbeek-Brussels, Belgium. Retting process of textile materials. 1,941,793; Jan. 2.
- Faux, William T., Santa Barbara, Calif. Fluid dispensing apparatus. 1,960,102; May 22.
- Faverty, Clyde B. (See Engstrom, G. W., Faverty and Walker.)
- Faverty, Clyde B. (See Ryan, W. M., and Flaverty.)
- Faverty, Clyde B., assignor to Ryan Car Company, Chicago, Ill. Steam condenser controls for moving vehicles. 1,941,885; Jan. 2.
- Faverty, Clyde B., Chicago, Ill., assignor, by mesne assignments, to Ryan Car Company. Railway draft vehicle. 1,981,618; Nov. 20.
- Favre, George C., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,966,030; July 10.
- Favreau, Walter, assignor to M. Lane, New York, N. Y. Bed joint. 1,955,909; Apr. 24.
- Fawdry, Charles F., London, England. Printing machine. 1,955,673; Apr. 17.
- Fawick, Thomas L., Akron, Ohio. Clutch plate. 1,964,566; June 26.
- Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission for automobiles. 1,946,154; Feb. 6.
- Fawkes, Charles B., Chicago, Ill., assignor to The De Vilbiss Company, Toledo, Ohio. Viscosimeter. 1,942,920; Jan. 9.
- Fawkes, Charles G., Denver, Colo. Can opener. 1,973,338; Sept. 11.
- Fay, Frank H., Hugenot Park, and W. M. Bacon, Pelham Manor, assignors to American Telephone and Telegraph Company. Printing telegraph system. 1,975,203; Oct. 2.
- Fay, Joseph W., assignor of one-half to E. F. Chambless, Chicago, Ill. Animal trap. 1,974,706; Sept. 25.
- Fay, Richard D., Cambridge, Mass., and H. G. Dorsey, Washington, D. C., assignors to Submarine Signal Company, Boston, Mass. Submarine signaling. 1,968,821; Aug. 7.
- Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Shockproof X-ray unit. 1,941,973; Jan. 2.
- Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. X-ray unit. 1,958,191; May 8.
- Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Electrically operated timing device. 1,972,334; Sept. 4.
- Fayerweather, Bruce L. (See Mills, L. E., and Fayerweather.)
- Fazekas, Anton, San Francisco, Calif. Combination illuminated house number plate, letter drop opening, and signal push button. 1,975,358; Oct. 2.
- Fazendin, Alphonse, Minneapolis, Minn. Door operating mechanism. 1,946,577; Feb. 13.
- F eagles, Ralph L., assignor to Chalfant Can Company, Fort Wayne, Ind. Preventing deterioration of food products. 1,953,077; Apr. 3.
- F eagley, Chester C., Philadelphia, Pa., assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Heat treating pigments and product thereof. 1,977,577; Oct. 16.
- Fear, Ernest D., assignor to De-Raef Corporation, Kansas City, Mo. Dual purpose carton. 1,963,299; June 19.
- Fear, Fred, Company. (See Lowenstein, Gabriel, assignor.)
- Fear, Fred, & Co. (See Sherwood, Edward, assignor.)
- Fear, Harold J., Montclair, and W. F. Dittman, Arlington, assignors to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator signaling system. 1,973,053; Sept. 11.
- Fear, Ralph G., Los Angeles, Calif. Pump and motor mechanism. 1,943,664; Jan. 16.
- Fear, Ralph G., Los Angeles, Calif. Photographically recording electrical impulses. 1,956,167; Apr. 24.
- Fear, Ralph G., Los Angeles, Calif. Kinetographic apparatus. 1,972,555; Sept. 4.
- Fearebay, George R., Boston, Mass. Collapsible tube cap holder. 1,956,500; Apr. 24.
- Featherston, Marion L., Anderson, Ind. Electric lamp socket. 1,946,786; Feb. 13.
- Featherstone, Charles L., Spokane, Wash. Sediment tester for milk. 1,963,080; June 19.
- Featherstone, William H., London, England, assignor to Allen, Rae & Company, Limited. Locking device. 1,945,428; Jan. 30.
- Febrey, Harold H., South Orange, N. J., assignor to American Steel and Wire Company, New York, N. Y. Butt welded end fitting. 1,977,846; Oct. 23.
- Fecher, Frederick F., Rockville Center, N. Y. Duplicator. 1,949,154; Feb. 27.
- Fecher, Frederick F., Rockville Center, N. Y. Duplicator. 1,974,266; Sept. 18.
- Fecker, Theo., Berlin-Reinickendorf, Germany, assignor to General Electric Company. Electric valve converting apparatus. 1,967,876; July 24.
- Fecker, Theo., Berlin-Reinickendorf-Ost, Germany, assignor to General Electric Company. Electric valve converting apparatus. 1,967,877; July 24.
- Fecker, Theodor, Berlin-Reinickendorf-Ost, Germany, assignor to General Electric Company. Electric valve converting system. 1,952,062; Mar. 27.
- Fedden, Alfred H. R., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Cylinder head for internal combustion engines. 1,962,987; June 12.
- Fedders, Carl O., assignor to Globe Ticket Company, Philadelphia, Pa. Ticket holder. 1,941,979; Jan. 2.
- Fedders, Carl O., assignor to Globe Ticket Company, Philadelphia, Pa. Ticket holder. 1,978,574; Oct. 30.
- Fedders, Louis F., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigeration device. 1,953,473; Apr. 3.
- Fedders Manufacturing Company. (See Askin, Joseph, assignor.)
- Fedders Manufacturing Company. (See Fedders, Louis F., assignor.)
- Fedders Manufacturing Company. (See Fedders, T. C., and Slagel, assignors.)
- Fedders Manufacturing Company. (See Lear, Joseph D., assignor.)
- Fedders Manufacturing Company. (See Slagel, Franklin G., assignor.)
- Fedders Manufacturing Company. (See Smith, Lawrence C., assignor.)
- Fedders, Theodore C., and F. G. Slagel, assignors to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Oil return device for flooded evaporators. 1,965,544; July 3.
- Fedeler, John H., New York, N. Y. Air cleaning and blowing apparatus. 1,984,871; Dec. 18.
- Federal-American Cement Tile Company. (See Baird, V. E., Griffiths, and De Marais, assignors.)
- Federal Bearings Company, The. (See Naylor, Roger C., assignor.)
- Federal Distributing Company. (See Bohling, Arthur G., assignor.)
- Federal Electric Company. (See Barclay, Robert E., assignor.)
- Federal Electric Company. (See Barclay, R. E., and Berggren, assignor.)
- Federal Electric Company. (See Hammar, Herbert G., assignor.)
- Federal Enameling & Stamping Company. (See Christman, William T., assignor.)
- Federal Foundation, Inc. (See Whitlock, Ralph G., assignor.)
- Federal Foundry Supply Company, The. (See Heyl, Louis H., assignor.)
- Federal Glass Company, The. (See Nicholson, Albert H., assignor.)
- Federal Machine & Welder Company. (See Hall, Preston M., assignor.)
- Federal Merchandise Company. (See Hueglin, Herman C., assignor.)

- Federal Metal Products Corporation. (See Lauterstein, Harry W., assignor.)
- Federal Telegraph Company. (See Clement, Lewis M., assignor.)
- Federal Telegraph Company. (See Goodale, Lynn C., assignor.)
- Federal Telegraph Company. (See Kruesi, Geoffrey G., assignor.)
- Federal Telegraph Company. (See Royden, George T., assignor.)
- Federal Telegraph Company. (See Solle, Sigurd A., assignor.)
- Federal Tin Company, Inc. (See Willett, Moses, assignor.)
- Federal Wired Radio Inc. (See Bohner, Chance E., assignor.)
- Federici, Vincent, Bronx, assignor to Gurney Elevator Company, Inc., New York, N. Y. Dual system of control for elevators. 1,942,415; Jan. 9.
- Federici, Vincent, New York, N. Y., assignor, by mesne assignments, to Honesdale National Bank, Honesdale, Pa. Safety control mechanism for elevators. 1,939,528; May 22.
- Federspiel, Henry J., Pueblo, Colo. Dandelion killer. 1,965,799; July 10.
- Federwisch, William, Sheboygan Falls, Wis. Coin device. 1,958,474; May 15.
- Fedotoff, Nicholas V., Lynbrook, N. Y. Screw driver. 1,951,652; Mar. 20.
- Fee, Henry E. (See Clark, R. P., and Fee.)
- Fee and Stemmwedel Inc. (See Stemmwedel, Albert L., assignor.)
- Feeley, Edward J., and D. Lynch, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey. Crane safety device. 1,951,088; Mar. 13.
- Feely, Joseph A., Merion, Pa. Brick siding and surface covered therewith. 1,976,662; Oct. 9.
- Feemster, David R. (See Peters, W. L., Feemster, and Schomburg.)
- Feenan, Frank R., Detroit, Mich. Portable polishing machine. 1,957,823; May 8.
- Feeney, William P., Mosinee, Wis. Liquid scale. 1,971,776; Aug. 28.
- Feeney, William P., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Apparatus for and method of coloring paper. 1,964,567; June 26.
- Fegley, Thomas J., assignor to North Bros. M'fg Co., Philadelphia, Pa. Beverage cooler. Des. 91,863; Apr. 3.
- Fegley, Thomas J., Jenkintown, and G. O. Leopold, assignors to North Bros. M'fg Co., Philadelphia, Pa. Tray for supporting an ice cube breaker and an ice cream freezer. 1,978,299; Oct. 23.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bros. M'fg Co., Philadelphia, Pa. Machine for breaking cubes of ice. 1,980,952; Nov. 13.
- Fegtly, Cedric. (See Lunt, G. R., and Fegtly.)
- Fehr, Eugene J., K. J. Tobin, and F. C. Heinen, assignors to Camel Company, Chicago, Ill. Elevating doors. 1,958,914; May 15.
- Fehr, John R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,946,464; Feb. 6.
- Fehr, Roy B., assignor to Gear Processing, Inc., Cleveland, Ohio. Helical gear. 1,959,910; May 22.
- Fehrle, Alfred. (See Streitwolf, K., Fehrle, Fritzsche, and Herrmann.)
- Fehrle, Alfred. (See Streitwolf, K., Fehrle, and Hal-lensleben.)
- Fehrle, Alfred. (See Streitwolf, K., Fehrle, Herrman, and Fritzsche.)
- Fehrmann, Karl, Dortmund, Germany. Heat exchange apparatus. 1,961,660; June 5.
- Feibel, Carl, New York, N. Y. Cloth transporting device. 1,956,149; Apr. 24.
- Feld, Charles, North Attleboro, assignor to H. E. Sweet, doing business as R. F. Simmons Company, Attleboro, Mass. Watch bracelet. 1,985,249; Dec. 25.
- Feier, August. (See Bartling, F., and Meier.)
- Feige, Harry. (See Savell, J. F., and Feige.)
- Feild, Alexander L., assignor to Alloy Research Corporation, Baltimore, Md. Manufacture of rustless iron. 1,954,381; Apr. 10.
- Feild, Alexander L., assignor to Alloy Research Corporation, Baltimore, Md. Ornamental rustless iron product and making the same. 1,977,270; Oct. 16.
- Feller, Paul, and H. Haebler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion of hydrocarbons. 1,967,665; July 24.
- Feller, Paul, Ludwigshafen-on-the-Rhine, H. Weigmann, Mannheim, and G. Hirschberg, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie, Frankfurt-on-the-Main, Germany. Carrying out reactions in periodically heated chambers. 1,973,851; Sept. 18.
- Feinauer, George A., assignor to Gorham Mfg. Co., Providence, R. I. Spoon or similar article. Des. 94,023; Dec. 11.
- Feinberg, Lester S. (See Feinberg, Marcus W. and L. S.)
- Feinberg, Marcus W., Chelsea, and L. S. Feinberg, Brighton, Mass. Wheel. Re19,353; Oct. 30.
- Feinberg, Marcus W., Chelsea, and L. S. Feinberg, Brighton, Mass. Vehicle wheel. 1,946,787; Feb. 13.
- Feingold, Bernard E., Astoria, N. Y. Dish drainer. 1,971,523; Aug. 28.
- Feinstein, Morris A., assignor to Aza Mfg Co., Chicago, Ill. Plate for dancing shoes. Des. 92,395; June 5.
- Feitschans, F. R. (See Clark, Walter G., assignor.)
- Feix, Robert, et al. (See von Plawenn, A., and Kersten, assignors.)
- Feldman, Charles L., et al., receivers. (See King, Vernon C., assignor.)
- Feldman, Charles L., et al., receivers. (See Werme, M. G., and Evans, assignors.)
- Feldman, Charles L., et al., receivers. (See Woodman, Frank, assignor.)
- Feldman, Joseph, Quincy, Ill. Cushion foot and arch support. 1,976,441; Oct. 9.
- Feldmann, Ernst, Cologne-Deutz, Germany. Producing tin oxide. 1,968,933; Aug. 7.
- Feldmann, Merrick R. (See Crichton, L. N., Graves, and Feldmann.)
- Feldmeier, Harvey, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Plate heat exchanger. 1,972,379; Sept. 4.
- Feldmeier, Harvey, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Tubular heat exchange device. 1,978,897; Oct. 30.
- Feldon, Otto A., Bala-Cynwyd, Pa. Antiseptic toothbrush container. 1,981,383; Nov. 20.
- Felesina, George, Carlstadt, N. J., and W. Bellmer, Brooklyn, assignors of one-fourth to E. Jurgs and one-fourth to C. Meier, New York, N. Y. Liquid dispensing and cooling device. 1,979,323; Nov. 6.
- Feley, Henry N., East Orange, N. J. Book. 1,984,790; Dec. 18.
- Felix, Friedrich, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,943,170; Jan. 9.
- Felix, Friedrich, and W. Huber, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs. 1,948,208; Feb. 20.
- Felix, Friedrich, and J. Scheidegger, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Condensation product of benzoin and naphthol sulphonic acid. 1,965,283; July 3.
- Fell, Francis J., jr., Mont Clare, Pa. Vending machine. 1,962,640; June 12.
- Fella, Francis J. (See Branch, B. A., and Fella.)
- Feller, Maximilian, Brooklyn, assignor to H. P. Velte, New York, N. Y. Aerating device. 1,964,345; June 26.
- Fellers, William M., U. S. Navy, and F. B. Gross, McLean, Va. Airplane catapult. 1,963,081; June 19.
- Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Helical gear grinding machine. 1,942,416; Jan. 9.
- Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for finishing gears. 1,960,841; May 29.
- Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
- Fellows Gear Shaper Company. (See Miller, Edward W., assignor.)
- Fellows, Homer F., Springfield, Mo. Trailer fifth wheel. 1,953,705; Apr. 3.
- Fellroth, Erick O., assignor to Martin Brothers Company, Minneapolis, Minn. Drop-seat garment. 1,967,233; July 24.
- Fellroth, Erick O., assignor to Martin Brothers Company, Minneapolis, Minn. Drop-seat garment. 1,967,234; July 24.
- Felmann, Henri, assignor to H. Morris, Chicago, Ill. Bag and manufacture. 1,984,122; Dec. 11.
- Felsing, Howard A., North Bergen, N. J. Window casing with removable panel. 1,950,881; Mar. 13.
- Felten and Guillaume Carlswerk, A. G. (See Studt, E., Kamp, and Malm, assignors.)
- Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Büdscheid, Michael, assignor.)
- Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Goes, K., and Badum, assignors.)
- Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Rohs, Adolf, assignor.)
- Felten & Guillaume Carlswerk Actien-Gesellschaft. (See Zapf, Georg, assignor.)
- Felters Company, The. (See Bowden, J. G., and Norton, assignors.)
- Feltham, Douglas L., Toledo, Ohio. Safety door. 1,944,156; Jan. 23.
- Felton, Willard B., Pueblo, Colo. Slicing machine. 1,982,731; Dec. 4.
- Feminine Products, Inc. (See Saub, Marvin, assignor.)
- Feminine Products, Inc. (See Taub, Harry, assignor.)
- Fenati, Humbert M., New Castle, Pa. Internal combustion rotary engine. 1,970,003; Aug. 14.
- Fender, Joseph N., Dallas, Tex. Flexible elbow for pneumatic conveyers. 1,981,099; Nov. 20.
- Fenichell, David A. (See Gabel, S., and Fenichell.)
- Fenn, Howard N. (See Bass, S. L., and Fenn.)
- Fenna, James M., Plainfield, N. J. Signal lamp for automobiles. 1,981,450; Nov. 20.
- Fennema, Richard, assignor to Crane Co., Chicago, Ill. Lubricated plug valve. 1,961,102; May 20.
- Fenner, Howard H., and R. E. Silvis, Mill City, Ore. Automatic stop and change over for moving picture projectors. 1,945,682; Feb. 6.
- Fenner, Howard H., and R. E. Silvis, Mill City, assignors to Automatic Projector-Operator Inc., Portland, Ore. Automatic start, change over, and stop for moving picture projectors. 1,963,194; June 19.
- Fenner, J. H., & Company. (See Hainsworth, Sydney B., assignor.)

- Fenner, James O., Worcester, and H. A. E. Sjöberg, Grafton, assignors to Economic Machinery Company, Worcester, Mass. Labeling device. 1,985,774; Dec. 25.
- Fenner, Robert C., Evanston, assignor to Vortex Cup Company, Chicago, Ill. Packing nested paper cups. 1,948,751; Feb. 27.
- Fenska, Roger R., South Bend, Ind. Receptacle. 1,945,141; Jan. 30.
- Fenton, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Valve for inflatable articles. 1,942,959; Jan. 9.
- Fenton, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Decorating sheet rubber. 1,983,695; Dec. 11.
- Fenton, George F. (See Miller, J. M., and Fenton.)
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Molded button. 1,943,063; Jan. 9.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Self-adjusting separable fastener. 1,965,115; July 3.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Suspenders or the like. 1,967,814; July 24.
- Fenton, Ray M., Monroe, Mich. Sheet metal working apparatus. 1,961,210; June 5.
- Fenton, Ray M., assignor to Newton Steel Company, Youngstown, Ohio. Sheet inspection table. 1,980,261; Nov. 13.
- Fentress, James H., Norfolk, Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber and product obtained thereby. 1,965,139; July 3.
- Fentress, Robert W. (See Vogel, W. M., and Fentress.)
- Fenwick, Francis F., Jr., East Orange, N. J. Water carrier and the like. 1,959,782; May 22.
- Fenyö, Ladislaus. (See Mayer, H., and Fenyö.)
- Fenzlein, Henry C., Mitchell, S. Dak. Illuminated head for gear shift levers. 1,949,155; Feb. 27.
- Feo, Ralph, Union, N. J. Decorative eggshell covering. 1,956,150; Apr. 24.
- Fera, Domenico V., Ellwood City, Pa. Bottle washing machine. 1,975,392; Oct. 2.
- Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
- Feragen, A. E., Inc. (See Starr, Emil M., assignor.)
- Fer Don, Monroe A., Indianapolis, Ind. Composition shingle. 1,974,707; Sept. 25.
- Ferenci, Lester, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar cellophane-envelope end-crimping device. 1,948,570; Feb. 27.
- Ferguson, Arthur P., Detroit, Mich., assignor to Oakes Products Corporation, North Chicago, Ill. Ventilating window for motor cars. 1,985,538; Dec. 25.
- Ferguson Brothers Manufacturing Company. (See Boardman, Whitlock W., assignor.)
- Ferguson Brothers Manufacturing Company. (See Roening, William M., assignor.)
- Ferguson Brothers Manufacturing Company. (See Seward, Robert B., assignor.)
- Ferguson Brothers Manufacturing Company. (See Tinsley, Milton L., assignor.)
- Ferguson Brothers Manufacturing Company. (See Wilkinson, John J., assignor.)
- Ferguson Brothers Manufacturing Company. (See Willett, Benedict E., assignor.)
- Ferguson, Donald M. (See Maurer, E. R., and Ferguson.)
- Ferguson, Donald M., Highland Park, and E. R. Maurer, assignors to Wilcox-Rich Corporation, Detroit, Mich. Motor vehicle. 1,978,300; Oct. 23.
- Ferguson, Evin R., Mitchell, Nebr. Wire tightener. 1,977,509; Oct. 16.
- Ferguson, Fred D., Portland, Maine, assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Transfer sheet control for billing machines. 1,970,446; Aug. 14.
- Ferguson, Gale L., Euclid, and C. G. Wood, Cleveland Heights, Ohio. Automatic clutch. 1,967,749; July 24.
- Ferguson, George K. S., North East, Pa. Packaging fruit or the like. 1,946,315; Feb. 6.
- Ferguson, Harold W., Rochester, N. Y. Hair curling appliance. 1,968,754; July 31.
- Ferguson, Herbert J., Great Crosby, Liverpool, England. Coupling hook mechanism. 1,955,876; Apr. 24.
- Ferguson, Howard P. (See Goodwin, R. T., Rearick, and Ferguson.)
- Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
- Ferguson, John, Indianapolis, Ind. Apparatus for making and refining glass. 1,979,609; Nov. 6.
- Ferguson, John, assignor to Fairmount Glass Works, Indianapolis, Ind. Apparatus and process for heating glass furnace forehearth. 1,979,610; Nov. 6.
- Ferguson, John A., Pittsburgh, Pa. Floor and roof construction. 1,968,034; July 31.
- Ferguson, John A., assignor of one-third to T. B. Sturges, Pittsburgh, Pa. Fireproof building construction. 1,949,045; Feb. 27.
- Ferguson, John C., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Method and apparatus for dyeing textile materials. 1,968,677; July 31.
- Ferguson, John E., Bloomfield, N. J., assignor to Westinghouse Lamp Company, Spray gun. 1,957,705; May 8.
- Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Liner folding device. 1,948,657; Feb. 27.
- Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Packaging device. 1,949,536; Mar. 6.
- Ferguson, Malcolm P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter control. 1,974,208; Sept. 18.
- Ferguson, Pailin Limited. (See Pailin, George, assignor.)
- Ferguson, Roy T., St. Petersburg, Fla. Milk bottle holder. 1,978,860; Oct. 30.
- Ferguson, Samuel F., and A. Verden Watkins, assignors to The Kant Take-Off Nut Company, Toledo, Ohio. Non-detachable device, especially for assembling license insignia. 1,950,340; Mar. 6.
- Ferguson, Thomas H. (See Crimmins, William C., assignor.)
- Ferguson, W. H., et al. (See Gough, Frank, assignor.)
- Ferguson, William A. (See Weiler, F., and Ferguson.)
- Ferguson, William C., St. Louis, Mo. Asphaltic cement. Re19,381; Nov. 27.
- Ferkel, Karl A., Los Angeles, Calif. Method and apparatus for production of metal oxides. 1,967,235; July 24.
- Ferlin, John J., Los Angeles, and H. W. Goetz, Alhambra, Calif. Valve. 1,942,417; Jan. 9.
- Ferlin, John J., assignor to Perkins Cementing, Inc., Los Angeles, Calif. Cement head. 1,974,986; Sept. 25.
- Fern, John F., Midland, Pa., assignor to Pittsburgh Crucible Steel Company. Columnar structure. 1,959,756; May 22.
- Fernandez, Charles, San Francisco, Calif. Doorcheck. 1,979,326; Nov. 6.
- Fernberg, Eric B., Edgware, assignor to The Pressed Steel Company of Great Britain Limited, Oxfordshire, England. Trim pad fastener. 1,959,096; May 15.
- Ferneau, Bea L. (See Ferneau, James W. and B. L.)
- Ferneau, James W., and B. L. Sparta, Mich. Seamstress' kit. Des. 92,240; May 15.
- Ferns, Ethel M., Bayswater, assignor to J. V. Rees, London, England. Adjustable pressure emulsor. 1,963,549; June 19.
- Fernseh Aktien-Gesellschaft. (See Möller, R., and Schubert, assignors.)
- Ferrandino, Michele, Corbett, Oreg. Automatic measuring and dispensing device. 1,945,849; Feb. 6.
- Ferranti Inc. (See Holmes, Wilfred, assignor.)
- Ferrel, Gerald W., Mattawan, Mich. Reamer. 1,964,458; June 26.
- Ferreira, John, and A. da Costa, Martinez, Calif. Roof tile. 1,982,206; Nov. 27.
- Ferrell, Enoch B., Eaton Town, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 1,966,491; July 17.
- Ferrera, Raymond G., Waltham, Mass. Paper file. 1,976,390; Oct. 9.
- Ferrero, Mario, and E. Salani, Rome, Italy. Searchlight for exploring the sky. 1,972,928; Sept. 11.
- Ferris, Isaac L., and G. C. Fullmer, assignors to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic holder. 1,967,301; July 24.
- Ferris, John P. (See Ferris, Walter and J. P.)
- Ferris, John P., assignor to The Oilgear Company, Milwaukee, Wis. Honing machine. 1,948,468; Feb. 20.
- Ferris, John P., and J. K. Douglas, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic press. 1,955,278; Apr. 17.
- Ferris, John P., and E. Weidmann, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,974,137; Sept. 18.
- Ferris, John P., Whitefish Bay, and C. Fyfe, assignors to The Oilgear Company, Milwaukee, Wis. Pump control. 1,974,138; Sept. 18.
- Ferris, Robert, Minneapolis, Minn. Coffee making apparatus. 1,962,493; June 12.
- Ferris, Robert, Minneapolis, Minn. Coffee making apparatus. 1,962,494; June 12.
- Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Ventilator. 1,951,824; Mar. 20.
- Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Ventilator package. 1,951,825; Mar. 20.
- Ferris, Robert G., assignor to Starline Inc., Harvard, Ill. Pipe section and attachment therefor. 1,952,126; Mar. 27.
- Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Ventilator. 1,975,316; Oct. 2.
- Ferris, Seymour W., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Separation of oil and wax. 1,941,601; Jan. 2.
- Ferris, Seymour W., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Electric insulating oil. 1,969,737; Aug. 14.
- Ferris, Walter. (See Young, L. F., and Ferris.)
- Ferris, Walter, assignor to Oilgear Company, Milwaukee, Wis. Hydraulic transmission. Re19,095; Feb. 27.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic feed mechanism. 1,946,902; Feb. 13.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Choked outflow hydraulic transmission. 1,964,398; June 26.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Variable displacement pump. 1,965,937; July 10.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Variable delivery pump. 1,966,814; July 17.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic press. 1,970,134; Aug. 14.

- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Coil winding machine. 1,970,998; Aug. 21.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic load brake. 1,985,445; Dec. 25.
- Ferris, Walter, Milwaukee, Wis., and J. P. Ferris, Fountain City, Tenn., assignors to The Oilgear Company, Milwaukee, Wis. Grinding machine. 1,965,696; July 10.
- Ferris, Walter, Milwaukee, and G. Macomber, Waukesha, assignors to The Oil Gear Company, Milwaukee, Wis. Pump. 1,970,133; Aug. 14.
- Ferris, Walter, and G. H. Fobian, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic press. 1,970,999; Aug. 21.
- Ferris, Walter, Milwaukee, Wis., and E. Wiedman and D. Clute, Detroit, Mich., assignors to The Oilgear Company, Milwaukee, Wis. Drilling machine. 1,978,879; Oct. 30.
- Ferris, Walter, Milwaukee, and G. Macomber, Waukesha, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic press. 1,980,514; Nov. 13.
- Ferris, Walter, Milwaukee, Wis., and J. P. Ferris, Fountain City, Tenn., assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic drive for machine tools. 1,983,900; Dec. 11.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Door handle. Des. 91,809; Mar. 27.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Handle or pull. Des. 91,994; Apr. 17.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Hinge. Des. 92,952; Aug. 7.
- Ferris, William D., assignor to Hustler Corporation, Sterling, Ill. Roller-skate. Des. 93,462; Oct. 2.
- Ferris, William W., Providence, R. I. Ophthalmic mounting. 1,972,479; Sept. 4.
- Ferro Alloy Company of Africa Limited, The. (See Annable, Henry W. C., assignor.)
- Ferro-Co Corporation. (See Lloyd, William, assignor.)
- Ferro Enamel Corporation. (See De Vol, James C., assignor.)
- Ferro Enamel Corporation. (See McIntyre, G. H., and Stuart, assignor.)
- Ferro Engineering Company, The. (See Charman, W. M., and Peterson, assignors.)
- Ferro Engineering Company. (See Charman, W. M., and Ward, assignors.)
- Ferro Stamping & Manufacturing Company. (See Rund, Nicholas F., assignor.)
- Ferrocon Corporation. (See Kotrbaty, Guy F., assignor.)
- Ferrone, Frank D., New York, N. Y. Shipping container. 1,984,209; Dec. 11.
- Ferry, Joseph D., Harrisburg, Pa. Vegetable slicer. 1,955,860; Apr. 17.
- Ferry, Kenneth A., and E. L. Blakeslee, Meadville, Pa. Multiple fuse plug. 1,957,137; May 1.
- Fertig, Saul B., New York, N. Y. Towel. Des. 93,868; Nov. 20.
- Ferwerda, Ray, Maple Heights, Ohio. Truck body and heating same. 1,942,207; Jan. 2.
- Fess, Charles J., Maplewood, assignor to Flood & Conklin Co., Newark, N. J. Grained wood and graining same. 1,971,087; Aug. 21.
- Fessenden, Reginald A., Chestnut Hill, assignor to Submarine Signal Corporation, Boston, Mass. Method and apparatus for sound transmission. 1,965,226; July 3.
- Fessler, Marcus J., Yonkers, N. Y. Moth repeller. 1,954,765; Apr. 10.
- Fetter, Edward. (See Pilblad, E. J., and Fetter.)
- Fetter, William, Baltimore, Md. Brake control. 1,979,029; Oct. 30.
- Fettters, Arthur H., Omaha, Nebr., assignor to Hunt-Spiller Manufacturing Corporation, Boston, Mass. Piston valve. 1,953,399; Apr. 3.
- Fettters, Arthur H., Omaha, Nebr., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive cylinder structure. 1,964,046; June 26.
- Fettters, Charles A., Washington, D. C. Hair waving machine. 1,982,156; Nov. 27.
- Fetzer, William. (See Larson, I. G., and Fetzer.)
- Fetzer, William, Chicago, Ill. Fastener. 1,958,787; May 15.
- Feucht, Albert, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 1,942,690; Jan. 9.
- Feuillée, Henri, Gentilly, France. Device for protecting internal combustion engines against back firing. 1,944,418; Jan. 23.
- Feulner, George, Boulder City, Nev. Hydraulic lift for bathtubs. 1,982,245; Nov. 27.
- Feussner, Otto, assignor to firm W. C. Heraeus, G. m. b. H., Hanau-on-the-Main, Germany. Electrical resistance thermometer. 1,970,084; Aug. 14.
- Feussner, Otto, assignor to W. C. Heraeus, Gesellschaft mit beschränkter Haftung, Hanau, Germany. Apparatus for testing by spectrum analysis. 1,971,215; Aug. 21.
- Feybusch, Martin, New York, N. Y. Means for reading. 1,977,475; Oct. 16.
- Feyling, Per L. F., Watertown, Mass., assignor, by mesne assignments, to Whitehead Metal Products Company of New York, Inc., New York, N. Y. Gas burner. 1,961,751; June 5.
- Feyrer, William F., Bridgeport, Conn. Collapsible seat for vehicles. 1,947,980; Feb. 20.
- Feyrer, William F., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,966,656; July 17.
- Flander, Freeland, Salisbury, Southern Rhodesia. Device for gripping and securing railway rails. 1,952,794; Mar. 27.
- Fiat Società Anonima. (See Penati, Carlo, assignor.)
- Fiberfraks Inc. (See Holcomb, Harry E., assignor.)
- Fiberloid Corporation, The. (See Esselen, Gustavus J., assignor.)
- Fiberloid Corporation, The. (See Gress, George C., assignor.)
- Fiberloid Corporation, The. (See O'Kane, R. G., and Derby, assignors.)
- Fiberloid Corporation, The. (See Parkhurst, Frederic A., assignor.)
- Fiberloid Corporation, The. (See Wallace, George L., assignor.)
- Fibreboard Products Inc. (See Barnes, Thomas F., assignor.)
- Fibreboard Products Inc. (See Hunnell, Harry F., assignor.)
- Fibreboard Products Inc. (See Kramer, Alphonse J., assignor.)
- Fibreboard Products Inc. (See McLaughlin, William B., assignor.)
- Fibreboard Products Inc. (See Rammer, Hyman L., assignor.)
- Fibre Conduit Company, The. (See Robertson, Hugh J., Jr., assignor.)
- Fibre Making Processes, Inc. (See Christensen, Andreas, assignor.)
- Fichandler, Carl, New York, N. Y. Magnetoresistive system and apparatus. 1,948,209; Feb. 20.
- Fichandler, Carl, New York, N. Y. Electromechanical vibratory system and apparatus. 1,977,939; Oct. 23.
- Fichtel & Sachs A. G., et al. (See Wörner, Heinrich, assignor.)
- Fichtmueller, Julius, Stapleton, N. Y. Electrolytic production of embossing foils of gold or other metal or of different metals. 1,945,142; Jan. 30.
- Fichtmueller, Julius A. C. (See Wirth, Karl, assignor.)
- Fichtner, Edwin C., San Francisco, Calif. Thermostatic control. 1,963,655; June 19.
- Fichtner, Edwin C., San Francisco, assignor of one-half to J. H. Simon, Oakland, Calif. Electric heater and thermostatic control therefor. Re19,175; May 22.
- Fick, Albert T., Chicago, Ill. Switch for automobile inductors. 1,961,142; June 5.
- Fick, Ferdinand E., Lakewood, Ohio, assignor to Western Reserve Air Motors Corporation. Gasoline meter. 1,966,619; July 17.
- Fickeissen, Edward P., Richmond Hill, N. Y. Automatic switching device for toy and other electric railroads. 1,948,571; Feb. 27.
- Fickert, Gustav R., deceased, East Orange, N. J.; M. Fickert, administratrix. Sight feed lubricator. 1,950,050; Mar. 6.
- Fickert, Gustav R., deceased, East Orange, N. J., Minna Fickert, administratrix. Air relief valve for steam radiators. 1,962,063; June 5.
- Fickert, Minna, administratrix. (See Fickert, Gustav R.)
- Fickett, Ernest L., W. O. Forman, and R. G. Holmes, assignors to Fitchburg Engineering Corporation, Fitchburg, Mass. Tool head unit. 1,971,299; Aug. 21.
- Fickett, Winfield F., assignor of one-half to J. L. Ryan, Los Angeles, Calif. Water heater. 1,963,960; June 26.
- Fidelity Machine Company. (See Blaisdell, Sidney B., assignor.)
- Fidelity Machine Company. (See Larkin, Walter, assignor.)
- Fidelity-Philadelphia Trust Company et al. (See Dock, Herman, assignor.)
- Fidelity Trust Company. (See Chaplin, Merle P., assignor.)
- Fidelity Trust Company, executor. (See Bragg, Gilbert A., assignor.)
- Fidelity Trust Company, trustee. (See Chaplin, Merle P., assignor.)
- Fidler, Harry E. (See Tenney, P. L., and Fidler.)
- Fieberts, Harry W., assignor to Fort Orange Paper Company, Castleton on Hudson, N. Y. Paper making. 1,957,824; May 8.
- Fiedler, Albert G. (See Clemmer, George B., assignor.)
- Fiedler, Franz P., Pittsburgh, and A. O. Jaeger, Mount Lebanon, assignors to The Selden Company, Pittsburgh, Pa. Contact sulphuric acid process. 1,945,267; Jan. 30.
- Fiege, Henry C., Bayfield, Wis. Ground connection device. 1,958,747; May 15.
- Fiege, Henry C., Green Bay, Wis. Cable clamp. 1,958,748; May 15.
- Fiegel, William J. (See Eggenweiler, C. W., and Fiegel.)
- Fiegel, William J., W. S. Enderich, and L. Bracciano, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Broaching machine. 1,972,769; Sept. 4.
- Fieger, Frederick E. (See Littler, C. W., and Fieger.)
- Fieger, Frederick E., Edgeworth, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Method and apparatus for the manufacture of tubes. 1,978,422; Oct. 30.
- Field, Charles F., and Z. E. Flick, assignors to Charles F. Field Manufacturing Company, Kansas City, Mo. Packing. 1,980,720; Nov. 13.
- Field, Charles F., Manufacturing Company. (See Field, C. F., and Flick, assignors.)
- Field, Charles L. (See Sweet, A. L., and Field.)

- Field, Crosby, Brooklyn, N. Y. Method of and apparatus for economical use of mercury and other liquids. 1,966,442; July 17.
- Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Portable carton. 1,954,807; Apr. 17.
- Field, Crosby, Brooklyn, N. Y., assignor to Chemical Machinery Corporation. Apparatus for heating and cooling at high temperatures. 1,966,441; July 17.
- Field, Crosby, Brooklyn, N. Y., assignor by mesne assignments, to Flakice Corporation, Wilmington, Del. Manufacturing block ice and product. 1,974,043; Sept. 18.
- Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Lubricating apparatus for metal cutting machines. 1,976,013; Oct. 9.
- Field, Ethel A., New York, N. Y. Flower holder. 1,947,702; Feb. 20.
- Field, Ethel A., New York, N. Y. Flower holder. 1,973,863; Sept. 18.
- Field, Fletcher H., assignor to Rhodes Metallic Packing Company, Detroit, Mich. Packing. 1,946,527; Feb. 13.
- Field, Fletcher H., assignor to Rhodes Metallic Packing Company, Detroit, Mich. Packing. 1,946,528; Feb. 13.
- Field and Flint Co. (See Flint, Perley G., assignor.)
- Field, Fred F., jr., assignor to Dutchland Farms, Inc., Brockton, Mass. Roadside store or stand. Des. 93,208; Sept. 4.
- Field, George A., Minneapolis, Minn. Stereotype casting machine. 1,956,093; Apr. 24.
- Field, Harold C. (See Hayes, Carl I., assignor.)
- Field, Herbert C., Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator attachment. 1,975,317; Oct. 2.
- Field, Howard, jr. (See Stoesling, L., Field, and Barlow.)
- Field, Joseph C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical communication system. 1,976,548; Oct. 9.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuits and relay therefor. 1,942,141; Jan. 2.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,942,142; Jan. 2.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,969,064; Aug. 7.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,969,065; Aug. 7.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,983,509; Dec. 4.
- Field, Robert F., Watertown, assignor to General Radio Company, Cambridge, Mass. Frequency meter. 1,983,447; Dec. 4.
- Field, Samuel B., Holbrook, assignor to Archer Rubber Company, Milford, Mass. Machine for forming rubber articles. 1,985,821; Dec. 25.
- Field, Timothy, Dubuque, Iowa. Poultry bleeder and braining device. 1,970,293; Aug. 14.
- Field, Wadsworth E., Aberdeen, Wash. Fishing line holder and drier. 1,971,000; Aug. 21.
- Fielden, Arthur, assignor to General Motors Corporation, Detroit, Mich. Pressure control system for blower-fed two-cycle engines. 1,955,799; Apr. 24.
- Fielden, Arthur, assignor to General Motors Corporation, Detroit, Mich. Fuel pump. 1,981,913; Nov. 27.
- Fielder, Reuben E., Windsor, Ontario, Canada. Driving mechanism for motor vehicles. 1,951,089; Mar. 13.
- Fieldhouse, Fred W., Louisville, Ky. Condenser cleaner. 1,985,156; Dec. 18.
- Fielding, John, North Providence, assignor of one-half to J. P. Whitaker, Apponaug, R. I. Ornament retaining device. 1,945,268; Jan. 30.
- Fielding, John, North Providence, assignor of one-half to J. P. Whitaker, Apponaug, R. I. Clip. 1,979,375; Nov. 6.
- Fieldman, Michael, assignor of one-half to N. A. Petry Company, Inc., Philadelphia, Pa. Hydraulic shock absorber. 1,950,235; Mar. 6.
- Fieldman, Michael, assignor of one half to N. A. Petry Company, Inc., Philadelphia, Pa. Hydraulic shock absorber. 1,957,996; May 8.
- Fieldman, Michael, assignor of one half to N. A. Petry Company, Inc., Philadelphia, Pa. Hydraulic shock absorber. 1,957,997; May 8.
- Fieldman, Michael, assignor of one-half to N. A. Petry Company, Inc., Philadelphia, Pa. Hydraulic shock absorber. 1,966,005; July 10.
- Fields, Cecil, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Cap feeding mechanism. 1,945,888; Feb. 6.
- Fields, John D., Los Angeles, Calif. Refining hydrocarbons. 1,959,467; May 22.
- Fields, John D., Los Angeles, Calif. Refining petroleum oil distillates. 1,983,220; Dec. 4.
- Fields, Reuben T. (See Crane, P. W., and Fields.)
- Fiene, Paul F., Charter Oak, Iowa. Dishwashing device. 1,951,237; Mar. 13.
- Fiene, Paul F., Charter Oak, Iowa. Kitchen cabinet. 1,951,238; Mar. 13.
- Fierce, Donald C., New York, N. Y. Remote radiocontrol. 1,960,103; May 22.
- Fiero, Grace, assignor to Venus Corporation, New York, N. Y. Absorbent pack for bottles. 1,965,227; July 3.
- Fievet, Henri, La Madeleine les Lille, France. Apparatus for the manufacture of cakes of carbonic snow. 1,965,922; July 10.
- Fife, Harvey R., assignor to Carbide and Carbon Chemicals Corporation, Pittsburgh, Pa. Gas scrubbing. 1,944,122; Jan. 16.
- Fifield, Albert F., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Button sewing machine. 1,985,366; Dec. 25.
- Figg, Louis J., jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denaturant for ethyl alcohol. 1,975,090; Oct. 2.
- Figg, Louis J., jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Alcohol denaturant and preparing it. 1,975,091; Oct. 2.
- Figg, Louis J., jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denaturant for ethyl alcohol. 1,975,092; Oct. 2.
- Figge, Carroll C., Chicago, Ill. Shingle nail lock. 1,978,190; Oct. 23.
- Fike, Lloyd E., Milledgeville, Ill. Hay carrier return device. 1,953,400; Apr. 3.
- Fikentscher, Hans. (See Mark, H., and Fikentscher.)
- Fikentscher, Hans, H. Wappes, L. Eidlender, C. Schoeller, and A. Schneevogt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of dispersions. 1,976,679; Oct. 9.
- Filby, Frederick G. (See Sandeman, E. K., and Filby.)
- Fildes, Frederick K., Altoona, Pa. Attachment for container carriers. 1,966,492; July 17.
- Fildes, Frederick K., Altoona, Pa. Lifting coupler for containers. 1,968,135; July 31.
- Fildes, Frederick K., Altoona, Pa. Lifting sling for containers. 1,969,788; Aug. 14.
- Fildes, Frederick K., Altoona, Pa. Container transfer apparatus. 1,975,636; Oct. 2.
- File, Gordon C., Buchanan, Mich. Clutch mechanism. 1,948,068; Feb. 20.
- Filleppo, Annabelle, Brooklyn, N. Y. Lock for printers' quoins. 1,952,063; Mar. 27.
- Filer, Paul A. (See Dixon, J. W., and Filer.)
- Filipowicz, John, Brooklyn, assignor of one-half to A. C. Nolte, New York, N. Y. Pocketbook. 1,980,133; Nov. 6.
- Filippone, B., & Co. Inc. (See Tanzl, Guido, assignor.)
- Filler Machine Company, The. (See Geyer, John F., assignor.)
- Filley, Earl A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Abrasive or polishing roll. 1,963,357; June 19.
- Fillo, Francis, St. Louis, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Step-control system. 1,941,546; Jan. 2.
- Fillo, Francis, St. Louis, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Remote control for vacuum heating systems. 1,978,705; Oct. 30.
- Filmer, Thomas H., Youngstown, Ohio. Fuel feed control mechanism. 1,945,850; Feb. 6.
- Films Revo Corporation. (See Elms, John D., assignor.)
- Filmtone Corporation. (See Foley, Earl H., assignor.)
- Filmtone Corporation. (See Foley, E. H., and Sampair, assignors.)
- Filtration Engineers, Inc. (See O'Keefe, George W., assignor.)
- Filtration Equipment Corporation. (See Laughlin, W. C., and Asch, assignors.)
- Filtration Holding Corporation. (See Laughlin, William C., assignor.)
- Filtrol Company of California. (See Belden, D. S., and Kelley, assignors.)
- Fina, Valentine, assignor to Milwaukee Valve Company, Milwaukee, Wis. Valve mechanism. 1,960,970; May 29.
- Fina, Valentine, assignor to Milwaukee Valve Company, Milwaukee, Wis. Valve. 1,964,509; June 26.
- Fina, Valentine, assignor to Milwaukee Valve Company, Milwaukee, Wis. Relief by-passed gate valve. 1,980,914; Nov. 13.
- Financial Press Companies of America. (See Paulding, Herbert L., assignor.)
- Financial Press Companies of America, The. (See Vischer, Alfred, jr.)
- Financial Press Companies of America. (See Vischer, A., jr., and Paulding, assignors.)
- Finch, Albert R. (See McKee, S. H., and Finch.)
- Finch, Clark, West Palm Beach, Fla. Synchronized spring clock movement. 1,976,663; Oct. 9.
- Finch, Galen B., assignor of one-third to J. W. Davison and one-third to R. D. Jones, Wichita, Kans. Refining apparatus for hydrocarbons. 1,985,083; Dec. 18.
- Finch, James L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signaling. 1,948,103; Feb. 20.
- Finch, James L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Piezo-electric crystal holder. 1,967,572; July 24.
- Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Magnetomotive force circuits. 1,957,765; May 8.
- Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Control system for electron discharge devices. 1,978,706; Oct. 30.
- Finch, James L., and J. W. Conklin, Rocky Point, N. Y., assignors to Radio Corporation of America. Frequency control system. 1,945,545; Feb. 6.
- Finch, James L., Patchogue, and J. W. Conklin, Rocky Point, N. Y., assignors to Radio Corporation of America. Oscillation generation. 1,947,003; Feb. 13.

- Finch, Raymond J., and E. W. Albers, Schenectady, N. Y. Locomotive. 1,960,306; May 29.
- Finch, William G., Greenville, assignor to Kold-Hold Manufacturing Company, Lansing, Mich. Brine solution. 1,969,124; Aug. 7.
- Finch, William G. H., New York, N. Y. Image broadcasting system. 1,985,654; Dec. 25.
- Finck, Joseph L., Washington, D. C. Heat insulating structure. 1,967,611; July 24.
- Finck, Moffatt E., assignor to Murray Iron Works Company, Burlington, Iowa. Boiler. 1,971,851; Aug. 28.
- Findlay Clay Products Company. (See Lambie, James M., assignor.)
- Findley, Howard J., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostatic valve device. 1,952,198; Mar. 27.
- Fine, William H., Los Angeles, Calif. Rivet fastener. 1,947,906; Feb. 20.
- Finefrock, Emory E., and W. Watson, Oklahoma City, Okla. Valve. 1,957,998; May 8.
- Finefrock, Thomas P., and W. F. O'Neill, assignors to The American Gypsum Co., Port Clinton, Ohio. Precast building slab. 1,955,877; Apr. 24.
- Finegan, Ellwood J., assignor of one-half to M. J. Power, Nekosia, Wis. Chip cutter. 1,980,193; Nov. 13.
- Fineout, Jesse C. (See Jones, E., and Fineout.)
- Fingal, Harry. (See Borcbek, M., and Fingal.)
- Fingar, Ralph M. (See Baker, C. S., and Fingar.)
- Fingland, John J., A. D. Turnbull, and P. F. McIntyre, Trail, British Columbia, assignor to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Refining lead bismuth alloy. 1,967,053; July 17.
- Fingler, Edward A., Detroit, Mich. Circuit closer. 1,983,973; Dec. 11.
- Finizie, Tomun, Shrub Oak, N. Y., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch. 1,985,633; Dec. 25.
- Fink, Albert, Brooklyn, assignor to I. J. Packer and B. Morrell, New York, N. Y. Paper box handle. 1,975,453; Oct. 2.
- Fink, Colin G., and F. J. Kenny, New York, N. Y. Treating metal and alloy articles to improve the resistivity thereof to corrosion and to the product thereof. 1,961,752; June 5.
- Fink, Colin G., New York, N. Y., and C. H. Eldridge, Detroit, Mich., assignors, by mesne assignments, to United Chromium, Incorporated, New York, N. Y. Electrodeposition of chromium. 1,942,356; Jan. 2.
- Fink, Colin G., New York, N. Y., and C. H. Eldridge, Detroit, Mich., assignors, by mesne assignments, to Chemical Treatment Company, Inc., New York, N. Y. Wearing part for internal combustion engines. 1,956,014; Apr. 24.
- Fink, Emil C., assignor to International Motor Company, New York, N. Y. Steering and stabilizing construction for individually sprung wheels. 1,941,673; Jan. 2.
- Fink, Frank W., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aircraft landing gear holding device. 1,983,358; Dec. 4.
- Fink, Harry L., New Rochelle, N. Y. Dividing strip structure. 1,980,793; Nov. 13.
- Fink, Heinrich. (See Gajewski, F., Fink, Rossner, and Mahn.)
- Fink, Heinrich. (See Kämpf, A., Fink, and Matthes.)
- Fink, Henry A., New York, N. Y., and J. E. Schmidt, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Automatic control mechanism for can making machines. 1,963,082; June 19.
- Fink, Henry A., New York, N. Y., and J. E. Schmidt, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Automatic control mechanism for can making machines. 1,963,083; June 19.
- Fink, James O. (See Kinnucan, J. W., and Fink.)
- Fink, James O., assignor to Continental Motors Corporation, Detroit, Mich. Clutch. 1,942,691; Jan. 9.
- Fink, James O., assignor to Continental Motors Corporation, Detroit, Mich. Clutch disk. 1,956,828; May 1.
- Fink, James O., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,979,066; Oct. 30.
- Fink, Jean, assignor to Waltham Watch Company, Waltham, Mass. Watch. 1,970,064; Oct. 9.
- Fink, Leo M., assignor, by direct and mesne assignments, of three-eighths to I. T. Barnes, and one-eighth to R. W. Upton, Seattle, Wash. Manufacture and composition of matter in forming stencil papers. 1,978,836; Oct. 30.
- Fink, William L. (See Archer, R. S., and Fink.)
- Finkbeiner, Robert, assignor to The American Suspender Company, New York, N. Y. Garment clasp. 1,962,186; June 12.
- Finkbone, Benjamin P. (See Kronberg, K., and Finkbone.)
- Finkel, Jacob, Philadelphia, Pa. Producing flour. 1,944,880; Jan. 30.
- Finkel, Jacob, Philadelphia, Pa. Prepared cake flour. 1,944,881; Jan. 30.
- Finkelstein, Tobias, New York, N. Y. Insect guard. 1,949,198; Feb. 27.
- Finkelstein, William, Philadelphia, Pa. Handle. 1,977,626; Oct. 23.
- Finkelstein, William, Philadelphia, Pa. Handle. 1,977,674; Oct. 23.
- Finken, Walter S., New York, N. Y. Pipe joint. 1,969,789; Aug. 14.
- Finken, Walter S., New York, N. Y. Water heater. 1,984,791; Dec. 18.
- Finkl, Frank X., Chicago, Ill. Lawn cultivating tool. 1,965,177; July 3.
- Finlayson, Alexander, and P. R. Andrews, assignors to Sealth Corporation, Seattle, Wash. Retarding the decay of fishing twine, nets, and allied equipment. 1,960,627; May 29.
- Finlayson, Frank B., Pittsfield, Mass., assignor to General Electric Company. Self-protecting immersion unit. 1,974,302; Sept. 18.
- Finley, Charles A., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Filing cabinet. 1,957,407; May 1.
- Finley, Charles A., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Index container. 1,964,346; June 26.
- Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Acoustical material. 1,975,637; Oct. 2.
- Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Shingle. 1,983,936; Dec. 11.
- Finley, E. L. (See Anderson, George R., assignor.)
- Finley, Harold L., assignor to The Loneragan Manufacturing Co., La Porte, Ind. Oil fired space heater. Des. 94,126; Dec. 25.
- Finley, Harold L., La Porte, Ind., assignor to The Loneragan Manufacturing Company, Inc. Thermostatic control. 1,968,194; July 31.
- Finley, James A., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Suspensions and producing same. 1,955,849; Apr. 24.
- Finley, Sam E., and R. D. Kneale, Atlanta, Ga. Apparatus and method for laying roadways. 1,953,825; Apr. 3.
- Finn, Barrett F., Chicago, Ill. Game apparatus. 1,979,459; Nov. 6.
- Finn, John, jr., Berkeley, assignor of one-half to F. H. Meyer, San Francisco, Calif. Making colored cement. 1,958,615; May 15.
- Finn, Le Roy, assignor to W. J. Finn, Scranton, Pa. Seating equipment for booths. 1,960,436; May 29.
- Finn, Philip P., Hendersonville, N. C. Water silencer. 1,976,442; Oct. 9.
- Finn, Robert R. (See Bysshe, E. T., and Finn.)
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole laying machine. 1,944,882; Jan. 30.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for pressing soles upon shoes and pad therefor. 1,946,490; Feb. 13.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and sole positioning mechanism. 1,946,491; Feb. 13.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cement sole-attaching machine. 1,949,537; Mar. 6.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole press. 1,950,546; Mar. 13.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fluid-applying machine. 1,973,054; Sept. 11.
- Finn, Stephen M., Jersey City, N. J., assignor to Drake Non-Clinkering Furnace Block Company, Inc., New York, N. Y. Furnace. 1,968,934; Aug. 7.
- Finn, William J. (See Finn, Le Roy, assignor.)
- Finnegan, John I., Nashville, Tenn. Front for radiocabinets. 1,959,266; May 15.
- Finnegan, Martin J., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 1,981,786; Nov. 20.
- Finnell, Walter S., Elkhart, Ind. Floor machine. 1,979,797; Nov. 6.
- Finney, John H. V., Denver, Colo., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Starting device for sedimentation apparatus. 1,951,012; Mar. 13.
- Finnie, Dewey J., Highland Park, and E. W. Greer, Detroit, Mich. Check valve. 1,960,335; May 29.
- Finnup, George W., et al. (See Bradburn, Curtis E., assignor.)
- Finocchiario, Mariano, Bellevue, Del. Airplane. 1,942,279; Jan. 2.
- Finston, Victor, and C. G. Miller, assignors to The Meaker Company, Cicero, Ill. Electroplating machine. 1,965,284; July 3.
- Finston, Victor, and C. G. Miller, assignors to The Meaker Company, Cicero, Ill. Automatic return type plating machine. 1,970,447; Aug. 14.
- Finzel, Theron G. (See Charch, W., and Finzel.)
- Finzel, Theron G. (See Charch, W. H., Hyden, and Finzel.)
- Fiock, John, Olney, Ill.; M. G. Fiock, administratrix of said John G. Fiock, deceased. Raising sunken pavement and the like. 1,943,914; Jan. 16.
- Fiock, Mathilda G., administratrix. (See Fiock, John, assignor.)
- Fiordelisi, Ernesto, assignor to Construction Materials Development Corporation, New York, N. Y. Fireproof floor construction. 1,974,708; Sept. 25.
- Flori, John M., Poughkeepsie, N. Y. Boot. 1,954,122; Apr. 10.
- Fioroni, Joseph, Westfield, Mass. Oil burner. 1,973,165; Sept. 11.

- Firebox Company. (See Doughty, Howard W., assignor.)
 Fire Detector Co., Inc. (See Ford, John J., assignor.)
 Fireproof Wall Company. (See Makowski, John F., assignor.)
 Fireproof Wall Company. (See Thurman, G. S., and Romie, assignors.)
 Fireside Players, Incorporated. (See Pullen, Harry, assignor.)
 Firestone, Floyd A., Ann Arbor, Mich. Organ. 1,953,753; Apr. 3.
 Firestone, Floyd A., E. J. Abbott, and H. B. Vincent, Ann Arbor, Mich. Vibration responsive apparatus. 1,948,104; Feb. 20.
 Firestone, Floyd A., Ann Arbor, Mich., and F. M. Durbin, Stillwater, Okla. Apparatus for determining roughness of surfaces. 1,976,637; Oct. 9.
 Firestone, Floyd A., E. J. Abbott, and H. B. Vincent, Ann Arbor, Mich. Gear testing apparatus. 1,981,693; Nov. 20.
 Firestone Steel Products Company, The. (See Adams, Leland R., assignor.)
 Firestone Steel Products Company, The. (See Broecker, Lewis C., assignor.)
 Firestone Steel Products Company, The. (See Swain, Joseph G., assignor.)
 Firestone Tire & Rubber Company, The. (See Abbott, Franz D., assignor.)
 Firestone Tire & Rubber Company, The. (See Bollinger, Frederick A., assignor.)
 Firestone Tire & Rubber Company, The. (See Brown, Roy W., assignor.)
 Firestone Tire & Rubber Company, The. (See Danielson, George W., assignor.)
 Firestone Tire & Rubber Company, The. (See Dunbrook, Raymond F., assignor.)
 Firestone Tire & Rubber Company, The. (See Funston, William H., assignor.)
 Firestone Tire & Rubber Company, The. (See Gearhart, P. P., and Mullin, assignors.)
 Firestone Tire & Rubber Company, The. (See Glass, George W., assignor.)
 Firestone Tire & Rubber Company, The. (See Greenup, Harold W., assignor.)
 Firestone Tire & Rubber Company, The. (See Hulslander, Ray D., assignor.)
 Firestone Tire & Rubber Company, The. (See Jones, Robert R., assignor.)
 Firestone Tire & Rubber Company, The. (See Lewis, Arthur P., assignor.)
 Firestone Tire & Rubber Company, The. (See Mullin, Andrew B., assignor.)
 Firestone Tire & Rubber Company, The. (See Nichols, George B., assignor.)
 Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
 Firestone Tire & Rubber Company, The. (See Smith, Clifford D., assignor.)
 Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)
 Firestone Tire and Rubber Company, The. (See Toothaker, Fred B., assignor.)
 Firestone Tire & Rubber Company, The. (See Wilhelm, R. D., and Bevan, assignors.)
 Firestone Tire & Rubber Company, The. (See Zimmermann, Max H., assignor.)
 Firestone, Vance S., assignor to Arcade Manufacturing Company, Freeport, Ill. Mop holder. 1,959,949; May 22.
 Firestone, Vance S., assignor to Arcade Manufacturing Company, Freeport, Ill. Nut cracker. 1,967,750; July 24.
 Firing, Osborne. (See Ulfeng, A. E., Haugland, and Firing.)
 Firma Paul Lechler. (See Müller, K., and Hutzenlaub, assignors.)
 Firma Vlessing & Co. (See Hausmeister, Paul, assignor.)
 First-Central Trust Company, The. (See Harris, Howard C., assignor.)
 Firth Carpet Company. (See Sutcliffe, Raymond, assignor.)
 Firth, Cyril. (See Mirfield, G. E., and Firth.)
 Firth, David, assignor to Marvel Carburetor Co., Flint, Mich. Automatic by-pass valve. 1,947,040; Feb. 13.
 Firth, David, assignor to Marvel Carburetor Company, Flint, Mich. Automatic choker valve. 1,966,201; July 10.
 Firth, David, assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,972,734; Sept. 4.
 Firth, David, assignor to Marvel Carburetor Company, Flint, Mich. Automatic heat control for carburetors. 1,975,093; Oct. 2.
 Firth-Sterling Steel Company. (See Comstock, Gregory J., assignor.)
 Firth-Sterling Steel Company. (See Welch, Elmer B., assignor.)
 Firth, Thos., and Sons Limited. (See Hatfield, William H., assignor.)
 Fisch, Albert L., Garwood, assignor to C. E. Robertson, Hayden Lake, Idaho. Battery terminal connection. 1,977,179; Oct. 16.
 Fischel, Paul F. (See Lyman, W. H., and Fischel.)
 Fischelis, Robert P., assignor to The Maltbie Chemical Company, Newark, N. J. Medicinal phenol compound. 1,954,766; Apr. 10.
 Fischer, Albert C., Chicago, Ill. Rubber-bituminous composition. 1,952,706; Mar. 27.
 Fischer, Albert C., Chicago, Ill. Surfacing unit. 1,970,037; Aug. 14.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Preformed expansion joint. Re19,183; May 29.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Construction material. 1,945,308; Jan. 30.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Manufacture of sheet material. 1,951,728; Mar. 20.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Extruding sheet material. 1,952,038; Mar. 20.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Composition slab. 1,961,847; June 5.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Sewer pipe joint. 1,971,100; Aug. 21.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Polymerized, bituminous, premolded, expansion joint. 1,982,506; Nov. 27.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material and paving structure. 1,982,580; Nov. 27.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing material. 1,983,494; Dec. 4.
 Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roof covering and manufacturing same. 1,983,495; Dec. 4.
 Fischer, Alexander O., Bremen, Germany. Thermostatically controlled latch. 1,950,843; Mar. 13.
 Fischer, Anthony J., Jackson Heights, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Filter cake thickness control. 1,963,616; June 19.
 Fischer, Anthony J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Digestion of sewage sludge. 1,982,246; Nov. 27.
 Fischer, Carl, Washington, D. C. Combined ventilator and awning. 1,950,545; Mar. 13.
 Fischer, Charles, New York, N. Y. Flexible shaft casing terminal. 1,956,713; May 1.
 Fischer, Charles, jr., Wyoming, and W. T. Reddish, Cincinnati, Ohio, assignors to The Kontol Company, Dallas, Tex. Emulsion decomposing body. 1,941,886; Jan. 2.
 Fischer, Charles H. and F. H., Cincinnati, Ohio. Post binder. 1,942,595; Jan. 9.
 Fischer, Erich, Bad Soden-on-the-Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid wool azo dyestuffs. 1,980,515; Nov. 13.
 Fischer, Erich, Bad Soden-on-the-Taunus, and A. Kissling and H. Kracker, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New aniline-sulphonic acids. 1,947,837; Feb. 20.
 Fischer, Ernst. (See Eckert, W., Fischer, and Braunsdorf.)
 Fischer, Ernst. (See Luce, W., and Fischer.)
 Fischer, Ernst, Berlin-Lichterfelde-West, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Cable for communication circuits. 1,948,616; Feb. 27.
 Fischer, Franz J., assignor to Koch & Sterzel Aktiengesellschaft, Dresden, Germany. High potential transformer. 1,948,417; Feb. 20.
 Fischer, Frederick H. (See Fischer, Charles H. and F. H.)
 Fischer, Frederick R., Spokane, Wash. Play pen. 1,950,603; Mar. 13.
 Fischer, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrical machine. 1,943,064; Jan. 9.
 Fischer, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrical drive for sound film equipments and the like. 1,943,065; Jan. 9.
 Fischer, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for making embossing cylinders. 1,945,935; Feb. 6.
 Fischer, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Lenticulated film. 1,984,471; Dec. 18.
 Fischer, Hans, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Sheet fed rotary printing machine. 1,966,287; July 10.
 Fischer, Harold, Hillside, N. J. Brake pedal retaining device. 1,965,459; July 3.
 Fischer & Hayes Rope and Steel Company. (See McLaughlin, Montague, assignor.)
 Fischer & Hayes Rope and Steel Company. (See Schwaab, Lawrence E., assignor.)
 Fischer, Henry H. C., Hazleton, Pa., assignor to Duplan Silk Corporation, New York, N. Y. Protective covering for warps mounted on beams. 1,960,901; May 29.
 Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Regeneration of doctor sludge. 1,970,693; Aug. 21.
 Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Calendar. 1,956,643; May 1.
 Fischer, Johannes. (See Ungelenk, A., Fischer, and Endrass.)

- Fischer, Johannes, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Plating aluminum. 1,947,981; Feb. 20.
- Fischer, Johannes, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Plating aluminum and its alloys. 1,968,483; July 31.
- Fischer, John, Bronx, N. Y. Compass. 1,958,989; May 15.
- Fischer, John F., assignor, by mesne assignments, to Detroit Moulding Corporation, Detroit, Mich. Bending machine. 1,970,694; Aug. 21.
- Fischer, John R., and J. G. Sola, assignors to Sola Corporation, Chicago, Ill. Ozonator. 1,943,426; Jan. 16.
- Fischer, Oskar, Kappelhof near Friedrichshafen, Germany. Inking apparatus for typewriting machines having type cylinders. 1,944,597; Jan. 23.
- Fischer, Otto J., Dohna, Germany. Drying machine. 1,976,280; Oct. 9.
- Fischer, Philip A., New York, N. Y. Paper napkin. 1,979,876; Nov. 6.
- Fischer, Raymond J., Milwaukee, Wis. Binder for a removable book cover. 1,958,990; May 15.
- Fischer, Richard, and H. Freund, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing dyeings and printings. 1,951,571; Mar. 20.
- Fischer, Theodore E., assignor to The Kitchen Aid Manufacturing Company, Troy, Ohio. Ice chipper plate. 1,972,735; Sept. 4.
- Fischer, Wallace C., Chicago, Ill. Composition material. 1,984,922; Dec. 18.
- Fischer, Wilhelm, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Manufacture of rubber heels. 1,948,344; Feb. 20.
- Fischer, Wilhelm, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Operating high frequency furnaces. 1,948,704; Feb. 27.
- Fischer, Willy, Berlin-Hermisdorf, and W. Tobias, Berlin-Südende, Germany, assignors to Aktiebolaget Tonsor, Gottenborg, Sweden. Band guide for machines for the manufacture of thin razor blades from a continuous band. 1,966,006; July 10.
- Fischl, Siegfried, Berlin-Baumschulenweg, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Production of guanidino fatty acids. 1,967,400; July 24.
- Fischler, Robert, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Circuit breaker. 1,958,362; May 8.
- Fischmann, Ladislaus. (See Tauber, S., and Fischmann.)
- Fish, Earl R., assignor to W. C. Pipe Inc., Syracuse, N. Y. Transmission gearing. 1,980,262; Nov. 13.
- Fish, Gilbert D., Pelham, N. Y. Railway rail. 1,972,262; Sept. 4.
- Fish, Gilbert D., Pelham, N. Y., assignor to Frank S. Lyon, Minneapolis, Minn. Railway supporting tower. 1,958,889; May 15.
- Fish, Gilbert D., Pelham, N. Y., assignor to F. S. Lyon, Minneapolis, Minn. Guiding means for suspended railway cars. 1,961,753; June 5.
- Fish, John R., West Springfield, assignor to National Equipment Company, Springfield, Mass. Carburetor. 1,983,660; Dec. 11.
- Fish, Lawrence L. (See Ambroz, J. G., and Fish.)
- Fish, Waldo H., Central Falls, R. I. Reed for looms. 1,984,732; Dec. 18.
- Fishburn, John E., Uxbridge, and C. F. Webb, Kenton Park, assignors to Bell Punch Company Limited, Uxbridge, England. Ticket issuing machine. 1,945,218; Jan. 30.
- Fishburn, Otto E., Muncie, assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Roller clutch. 1,947,703; Feb. 20.
- Fishburn, Otto E., assignor to Warner Gear Company, Muncie, Ind. Gear lock. 1,976,697; Oct. 9.
- Fishburn, Otto E., and H. H. Robbins, assignors to Warner Gear Company, Muncie, Ind. Gear shifter. 1,956,528; Apr. 24.
- Fishburn, Otto E., and H. H. Robbins, Muncie, assignors, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Clutching mechanism. 1,964,146; June 26.
- Fishburn, Thomas H., assignor to Bell Punch Company Limited, London, England. Printing press. 1,970,368; Aug. 14.
- Fishel, Leo J., New York, N. Y. Tetrahedral kite. 1,965,634; July 10.
- Fisher, Alfred. (See Egloff, G., and Fisher.)
- Fisher, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Coking oil. 1,971,906; Aug. 28.
- Fisher, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for coking solid carbonizable materials. 1,972,929; Sept. 11.
- Fisher, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 1,974,303; Sept. 18.
- Fisher, Alfred, and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 1,963,265; June 19.
- Fisher, Arthur C., North St. Paul, Minn. Sign. 1,976,844; Oct. 16.
- Fisher, Arthur W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing signal. Des. 93,096; Aug. 21.
- Fisher, Carl B. (See Baldwin, Frederick M., assignor.)
- Fisher, Carl G., Miami Beach, Fla. Rubber article. 1,978,301; Oct. 23.
- Fisher, Charles D., Fresno, assignor to Dried Fruit Association of California, San Francisco, Calif. Fruit testing apparatus. 1,961,965; June 5.
- Fisher, Davis W., Brownfield, Tex. Toy. Des. 41,422; Jan. 30.
- Fisher, Edwin H., assignor to Fisher Scientific Company, Pittsburgh, Pa. Gas burner. 1,948,859; Jan. 16.
- Fisher, Elbert E., assignor to National Pigments and Chemical Company, St. Louis, Mo. Glass and making same. 1,962,495; June 12.
- Fisher, Elbert E., assignor to National Pigments and Chemical Company, St. Louis, Mo. Glass composition. 1,962,496; June 12.
- Fisher, Elbert E., assignor to National Pigments and Chemical Company, St. Louis, Mo. Sodium barium aluminate and making same. 1,985,318; Dec. 25.
- Fisher, Ernest F., St. Louis, Mo. Air-conditioning apparatus. 1,979,538; Nov. 6.
- Fisher, Ernest H., Cleveland, Ohio. Jar sealer. 1,941,674; Jan. 2.
- Fisher Flouring Mills Co. (See Fisher, O. W., Walter, and White, assignors.)
- Fisher, George A., Milledgeville, Ga. Sealing and identifying device for display holders. 1,967,145; July 17.
- Fisher, George E., Bluefield, W. Va. Rope fastener. 1,968,935; Aug. 7.
- Fisher, George H., assignor to Minneapolis-Honeywell Regulator Company, Wabash, Ind. Humidity and temperature control. 1,946,903; Feb. 13.
- Fisher, Gerald M., Los Angeles, Calif. Foamite corrosion inhibitor. 1,948,029; Feb. 20.
- Fisher, Gerald M., Glendale, Calif. Froth for sealing volatile liquids. 1,985,491; Dec. 25.
- Fisher, Gerhard. (See Kruesi, G. G., and Fisher.)
- Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for resolving loose emulsions. 1,947,704; Feb. 20.
- Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Non-short-circuiting treaters. 1,974,451; Sept. 25.
- Fisher, Harold W., Elizabeth, N. J., assignor to Standard I. G. Company. Treatment of hydrocarbon materials containing sulphurous impurities. 1,944,639; Jan. 23.
- Fisher, Harry C., Norwood, assignor to The Richardson Company, Lockland, Ohio. Fibrous composition and manufacture. 1,949,249; Feb. 27.
- Fisher, Harry W., North Attleboro, Mass., and L. P. Leddy, Brooklyn, N. Y., assignors to Swift & Fisher, North Attleboro, Mass. Ecclesiastical set. 1,963,617; June 19.
- Fisher, Henri A., Parkersburg, W. Va., assignor to The Vitrolite Company. Table top or other panel. 1,967,666; July 24.
- Fisher, Howard T., Winnetka, Ill. Building system. 1,969,125; Aug. 7.
- Fisher, James B., and J. F. Coverstone, assignors to Waukesha Motor Company, Waukesha, Wis. Manifold structure. 1,960,775; May 29.
- Fisher, James C. (See Hellmann, C. B., Fisher, and Lomas.)
- Fisher, James P., Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Pipe welding. 1,981,850; Nov. 27.
- Fisher, John R., and H. E. Stedman, Des Moines, Iowa. Guard for guy wires. 1,950,917; Mar. 13.
- Fisher, Joseph S., New York, N. Y. Perpetual calendar. 1,970,419; Aug. 14.
- Fisher, Lyle H., and A. E. Galiani, New York, N. Y. Collar holder. 1,984,969; Dec. 18.
- Fisher, Marjory M., San Francisco, Calif. Combination chin and shoulder rest for violins. 1,971,552; Aug. 28.
- Fisher, Oliver P., Rochester, N. Y. Tobacco box. 1,946,845; Feb. 13.
- Fisher, Orin W., and R. E. Walter, and F. J. White, assignors to Fisher Flouring Mills Co., Seattle, Wash. Grain sampling device. 1,966,712; July 17.
- Fisher, Philip. (See Hindley, H. C., and Atkin, assignors.)
- Fisher, Raymond E., Prospect Park, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle wheel. 1,975,931; Oct. 9.
- Fisher, Reuben F., Philadelphia, Pa., assignor to Triplex Products Corporation, Clifton, N. J. Time switch mechanism. 1,966,958; July 17.
- Fisher, Reuben F., Philadelphia, Pa., assignor to Triplex Products Corporation, New York, N. Y. Time switch mechanism with seven day dial. 1,966,959; July 17.
- Fisher, Richard W., and T. McCarthy, Beverly, Mass. Electric lamp. Des. 92,126; May 1.
- Fisher, Roy C., Atlanta, Ga. Rotary engine. 1,960,971; May 29.
- Fisher Scientific Company. (See Fisher, Edwin H., assignor.)
- Fisher, Walter D., Norfolk, Mass. Signal receiving apparatus. 1,959,820; May 22.
- Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Vibration damping device. 1,956,015; Apr. 24.
- Fisher, Webster E. (See Malm, C. J., and Fisher.)
- Fishleigh, John A., Buckland Brewer, Bideford, England. Agricultural implement. 1,963,894; June 19.

- Fishman, Jacob, Brooklyn, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 93,338; Sept. 18.
- Fisk, George, Harvey, Ill., assignor to Link-Belt Company. Chain. 1,971,553; Aug. 28.
- Fisk, Gustaf L., assignor to Mesta Machine Company. Pittsburgh, Pa. Conveying means for mills. 1,960,307; May 29.
- Fisk, Gustaf L., Pittsburgh, assignor to Mesta Machine Company, Homestead, Pa. Material handling apparatus. 1,964,147; June 26.
- Fisk, Gustaf L., Pittsburgh, and E. T. Peterson, Reading, assignors to Mesta Machine Company, Homestead, Pa. Cooling bed. 1,954,123; Apr. 10.
- Fisk Rubber Company, The. (See Dexter, Albert J., assignor.)
- Fisk Rubber Company, The. (See Krall, Stanley, assignor.)
- Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)
- Fisk Rubber Company, The. (See Smith, Walter V., assignor.)
- Fisk Rubber Corporation, The. (See Desautels, Charles H., assignor.)
- Fisk Rubber Corporation, The. (See Maynard, Charles E., assignor.)
- Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Rumford, R. I. Form of leavening ingredient. 1,951,328; Mar. 13.
- Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Rumford, R. I. Canning vegetables. 1,966,927; July 17.
- Fiske, Augustus H., Warren, and C. S. Bryan, East Providence, assignors to Rumford Chemical Works, Rumford, R. I. Production of pure phosphorus. 1,984,674; Dec. 18.
- Fiske, Augustus H., Warren, and C. S. Bryan, East Providence, assignors to Rumford Chemical Works, Rumford, R. I. Producing pyrophosphates. 1,984,968; Dec. 18.
- Fisler, Gottfried, Cleveland, Ohio. Extension cord reel. 1,945,602; Feb. 6.
- Fiss, Albert, St. Louis, Mo. Wardrobe suitcase. 1,947,838; Feb. 20.
- Fissell, Grant W., Cleveland, assignor of one-half to Perry H. Stevens, Akron, Ohio. Brake shoe and attaching lining to the same. 1,947,839; Feb. 20.
- Fister, Bertram V., Elmhurst, N. Y. Shoe. Des. 92,241; May 15.
- Fister, Bertram V., Elmhurst, N. Y. Shoe. Des. 92,242; May 15.
- Fister, Bertram V., Elmhurst, N. Y. Shoe. Des. 92,294; May 22.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Lifting cradle for demountable automobile bodies. 1,953,957; Apr. 10.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Demountable automobile body. 1,957,450; May 8.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Lifting cradle for demountable automobile bodies. 1,957,451; May 8.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Freight handling apparatus. 1,971,339; Aug. 28.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Traveling crane. 1,975,094; Oct. 2.
- Fitch, Ellery R. (See Hewitt, E. E., Thomas, and Fitch.)
- Fitch, Ellery R. (See Thomas, F. B., Hewitt, and Fitch.)
- Fitch, Ellery R., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,943,593; Jan. 16.
- Fitch, Ellery R., Edgewood, and E. S. Cook, Wilksburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,947,705; Feb. 20.
- Fitch, Ellery R., Edgewood, and E. S. Cook, Wilksburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,974,954; Sept. 25.
- Fitch, Emmet F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 1,947,550; Feb. 20.
- Fitch, F. W., Company. (See Graham, Robert L., assignor.)
- Fitch, Floyd B. (See Arpin, John B., assignor.)
- Fitch, Jason A., and C. D. Watson, Youngstown, Ohio. Nut and making the same. 1,946,618; Feb. 13.
- Fitch, Rose E., St. Louis, Mo. Shadow box. 1,954,869; Apr. 17.
- Fitchburg Engineering Corporation. (See Fickett, E. L., Forman, and Holmes, assignors.)
- Fife, John E., Philadelphia, Pa. Warping apparatus. 1,982,507; Nov. 27.
- Fitter, Emil H., New York, N. Y. Mixing faucet. 1,949,300; Feb. 27.
- Fitton, William H., Bramley, Leeds, and G. Elliott, Thorner, near Leeds, assignors of one-third to Bramley Engineering Co. Limited, Hunslet, Leeds, England. Machinery or apparatus for cutting stone, wood, metals, and other materials. 1,976,164; Oct. 9.
- Fitts, Charles F., et al. (See Hilgerink, Frank M., assignor.)
- Fitz, Charles L., Chicago, Ill. Compound prism block for cameras. 1,975,141; Oct. 2.
- Fitz, Wilhelm, Essen, Germany. Recovery of block sulphur from the products containing sulphur obtained from the wet purification of gas and especially of coal distillation gases. 1,947,467; Feb. 20.
- Fitz Gerald, Alan S., Wynnewood, Pa. Alternating current power translating or control circuits. 1,973,055; Sept. 11.
- Fitz Gerald, Alan S., Wynnewood, Pa. Electro-responsive system. 1,980,395; Nov. 13.
- Fitz Gerald, Alan S., Wynnewood, Pa. Multiple circuit proportional control systems. 1,985,562; Dec. 25.
- Fitz Gerald, Alan S., Wynnewood, Pa. Control system for escalators, conveyers, and the like. 1,985,563; Dec. 25.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker system. 1,944,072; Jan. 16.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Regulating system. 1,948,372; Feb. 20.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Protection of electric circuits. 1,953,800; Apr. 3.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Electric control system. 1,954,669; Apr. 10.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Fault responsive apparatus. 1,957,204; May 1.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Automatic door opening mechanism. 1,972,682; Sept. 4.
- Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Sorting device. 1,965,373; July 3.
- Fitz Gerald, Alice L., New York, N. Y. Copy holder. Des. 94,127; Dec. 25.
- Fitzgerald, Arthur G., West Newton, Mass. Puncture-sealing inner tube. 1,969,400; Aug. 7.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Cigar, cigarette, or the like receptacle. 1,945,805; Feb. 6.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Making dies. 1,950,604; Mar. 13.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automatic engine starter. 1,950,722; Mar. 13.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,950,723; Mar. 13.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,960,263; May 29.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,965,336; July 3.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,965,888; July 10.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,965,889; July 10.
- Fitzgerald, John W., assignor to Ames Safety Envelope Company, Boston, Mass. Envelope fastener. 1,957,706; May 8.
- Fitzgerald Manufacturing Company, The. (See Berteau, Alexander, assignor.)
- Fitzgerald Manufacturing Company, The. (See Fitzgerald, Martin D., assignor.)
- Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
- Fitzgerald Manufacturing Company, The. (See Reichold, Ludwig, assignor.)
- Fitzgerald, Martin D., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Grease excluding ring. 1,983,746; Dec. 11.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Spark plug. 1,942,242; Jan. 2.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Grinding mill attachment for an electric utility device. 1,947,385; Feb. 13.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Oil excluding ring. 1,950,724; Mar. 13.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Power adapter. 1,955,279; Apr. 17.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Portable electric mixer. 1,962,008; June 5.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Mixing machine turntable. 1,967,465; July 24.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Roaster. 1,967,470; July 24.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Electrical utility device and motor assembly. 1,971,257; Aug. 21.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Coffee roaster. 1,985,604; Dec. 25.
- Fitz Gibbon & Crisp, Inc. (See Lea, Edward S., assignor.)
- Fitz Gibbon & Crisp, Inc. (See Winner, Hudson T., assignor.)
- Fitz-on Sales Corporation. (See Fitzsimmons, James F., assignor.)

- Fitzpatrick, Howard H., Amarillo, Tex., assignor to Paraffin Heater Engineering Corporation, Wilmington, Del. Apparatus for treating well fluids. 1,970,295; Aug. 14.
- Fitzpatrick, James C. (See Rhodes, E. O., Volkmann, and Fitzpatrick.)
- Fitzpatrick, James C., Pittsburgh, Pa., assignor to American Tar Products Co. Inc. Valve. 1,956,529; Apr. 24.
- Fitzpatrick, Jeremiah, Weymouth, Mass. Reforming last. 1,969,738; Aug. 14.
- Fitzpatrick, Jeremiah, East Weymouth, Mass. Reforming lasts. 1,969,739; Aug. 14.
- Fitzpatrick, Jeremiah, East Weymouth, Mass. Method of and machine for shaping lasts. 1,969,740; Aug. 14.
- Fitzpatrick, Thaddeus C., Middlesboro, Ky. Juice and pulp extractor. 1,950,547; Mar. 13.
- Fitzpatrick, Wilfrid E., Detroit, Mich., assignor to The Murray Corporation of America. Cloth marking device. 1,967,528; July 24.
- Fitzpatrick, William H. (See Jones, C. L., and Fitzpatrick.)
- Fitzsimmons, David P. (See Snavely, C. S., Fitzsimmons, and Agnew.)
- Fitzsimmons, James F., Belmont, assignor to Fitz-on Sales Corporation, Boston, Mass. Top lift attachment. 1,947,840; Feb. 20.
- Fitzsimmons, John T., administrator. (See Davis, Charles H., jr.)
- Fitzsimmons, John T., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition distributor. 1,956,382; Apr. 24.
- Fitzsimmons, John T., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition timer. 1,983,794; Dec. 11.
- Fitzsimmons, Joseph A., et al. (See Mize, Earl W., assignor.)
- Fix, Earl L., New Kensington, and B. J. Dennison, Tarentum, Pa., assignors to Duplate Corporation. Apparatus for making composite glass. 1,956,168; Apr. 24.
- Fixter, Edward, St. Petersburg, Fla. Metallic window sash and casing construction. 1,950,401; Mar. 13.
- Fjellstedt, Thorsten A., Alsaker, and W. O. Hampton, assignors to The Delta Star Electric Company, Chicago, Ill. Switch. 1,981,996; Nov. 27.
- Fjord, Olaf, Berlin, Germany. Ampulla. 1,956,568; May 1.
- Flack, Harry C., St. Louis, Mo. Cutting device. 1,958,300; May 8.
- Flack, Olaf, Harmon, N. Y. Door and floor tightening means. 1,956,151; Apr. 24.
- Flad, Artur, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Current generating system. 1,946,678; Feb. 13.
- Flaecher, Franz. (See Stolz, F., and Flaecher.)
- Flagg, Charles N., Meriden, Conn. Boiler feed and low water cut-off. 1,957,825; May 8.
- Flagg, Ernest, New York, N. Y. Compartment vehicle. 1,973,617; Sept. 11.
- Flagstad, Oscar A., Minneapolis, Minn. Ironing table. 1,963,977; June 26.
- Flaherty, Mark, Haddonfield, N. J., assignor to Radio Corporation of America. Radiocabinet. Des. 92,651; July 3.
- Flaherty, Mark, Haddon Heights, N. J., assignor to General Electric Company. Presetor tuning system. 1,948,373; Feb. 20.
- Flaherty, Mark, Haddon Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Detachable shaft coupling device. 1,951,188; Mar. 13.
- Flackie Corporation. (See Field, Crosby, assignor.)
- Flakne, Klevé J. (See Sutter, Erwin L., assignor.)
- Flammang, John, and P. L. Bowser, assignors to The Sterling Corporation, St. Louis, Mo. Molding machine. 1,952,199; Mar. 27.
- Flammang, John, University City, and P. L. Bowser and H. Ernst, assignors to The Sterling Corporation, St. Louis, Mo. Apparatus for casting in permanent molds. 1,952,200; Mar. 27.
- Flammang, John, University City, and P. L. Bowser and H. Ernst, assignors to The Sterling Corporation, St. Louis, Mo. Apparatus for casting. 1,952,201; Mar. 27.
- Flammang, John, University City, P. L. Bowser, St. Louis, and H. Ernst, Pine Lawn, assignors to The Sterling Corporation, St. Louis, Mo. Wrist pin lock. 1,952,202; Mar. 27.
- Flanagan, Claire U., Larchmont, N. Y. Cover for automobile steering wheels or the like. 1,978,105; Oct. 23.
- Flanagan, Francis L. (See Lincks, G. F., and Flanagan.)
- Flanagan, George P., assignor to O. J. Seguin, Springfield, Mass. Pan support. 1,980,131; Nov. 6.
- Flanary, Howard M., Dallas, Tex. Anti-glare device for automobiles. 1,969,887; Aug. 14.
- Flanders, Fred L., Spring Lake, Mich., assignor to Oakes Products Corporation, North Chicago, Ill. Lock structure. 1,948,705; Feb. 27.
- Flanders, Ralph E., assignor to Jones & Lamson, Machine Company, Springfield, Vt. Machine tool and hydraulic feed mechanism therefor. 1,945,632; Feb. 6.
- Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Gear selecting and shifting mechanism. 1,975,060; Sept. 25.
- Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Marine power plant. 1,943,860; Jan. 16.
- Flanigan, George E. (See Supplee, G. C., and Flanigan.)
- Flanigan, John G., executor. (See Geraghty, John P.)
- Flanigan, John J., Oak Park, assignor to Vivid, Incorporated, Chicago, Ill. Duplicating machine. 1,955,059; Apr. 17.
- Flanigan, John J., Oak Park, assignor to Vivid, Incorporated, Chicago, Ill. Stand for duplicating machines and the like. 1,965,890; July 10.
- Flanigan, John J., Oak Park, assignor to Vivid, Incorporated, Chicago, Ill. Duplicating machine. 1,972,380; Sept. 4.
- Flanigan, John J., Oak Park, Ill., assignor to L C Smith & Corona Typewriters, Inc., Syracuse, N. Y. Container. 1,983,278; Dec. 4.
- Flannery Bolt Company. (See Gjertsen, Gustav H., assignor.)
- Flannery Bolt Company. (See Landgraf, Frederick K., assignor.)
- Flannery, John W., Portland, Oreg. Production of refined metal. 1,983,604; Dec. 11.
- Flanzer, Joseph A. (See Jones, L. L., and Flanzer.)
- Flanzer, Joseph A., Brooklyn, N. Y., and L. L. Jones, Oradell, N. J., and E. Reisman, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Variable resistor. 1,959,097; May 15.
- Flanzer, Joseph A., Brooklyn, N. Y., and L. L. Jones, Oradell, N. J., assignors to Technidyne Corporation, New York, N. Y. Manufacture of resistors. 1,962,438; June 12.
- Flarsheim, Edwin S., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Bucky grid actuating device. 1,945,499; Jan. 30.
- Flashman, Morris L., Philadelphia, Pa. Bed lamp. 1,955,361; Apr. 17.
- Flath, Otto S. (See Wiegand, F. B., Schwendt, and Flath.)
- Flatley, John H., Little York, assignor to Brown Lynch Scott Co., Monmouth, Ill. Combined connecting and adjusting device. 1,943,594; Jan. 16.
- Flatz, Hugo, Hasbrouck Heights, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,403; Jan. 23.
- Flautt, Porter H., et al. (See Kneis, William M., assignor.)
- Flaws, James B. (See Bach, J. J., and Flaws.)
- Flaxman, Marcellus T., assignor to Union Oil Company of California, Los Angeles, Calif. Preparation of rubber. 1,971,746; Aug. 28.
- Fleaca, John, Cleveland, Ohio. Can opener. 1,974,863; Sept. 25.
- Fleak, Glenn D. (See Toce, C. A., and Fleak.)
- Fleak, Glen D., Beaumont, Tex., assignor of one-half to W. D. Fleak, Chicago, Ill. Amusement device. 1,965,140; July 3.
- Fleak, Wilfred D. (See Fleak, Glen D., assignor.)
- Fleck, Louis C., Appleton, assignor to Paper Patents Company, Nennah, Wis. Washable wallpaper. 1,955,626; Apr. 17.
- Fleckenstein, George A., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Take-up mechanism for sewing machines. 1,955,580; Apr. 17.
- Fleckenstein, George A., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread cases for sewing machine loop-takers. 1,981,834; Nov. 20.
- Fleeman, William J., St. Joseph, Mo. Sign. 1,973,616; Sept. 11.
- Fleer, Harry H., Quincy, and S. Morgan, O'Fallon, Ill., assignors to The Eureka Steel Range Co. Coking stove. Des. 92,456; June 12.
- Fleer, Isaac. (See Rosenberg, I. B., and Fleer.)
- Fleetwood Body Corporation. (See Schebera, Ernst, assignor.)
- Flegel, Harrison D., assignor, by mesne assignments, to Hamilton Beach Manufacturing Company, Racine, Wis. Fruit juice extractor. 1,958,570; May 15.
- Flegler, Eugen. (See Rogowski, W., and Flegler.)
- Flehr, Paul D., San Mateo, Calif. Electric meter. 1,945,523; Feb. 6.
- Flehr, Paul D., San Mateo, assignor to J. Murphy, Burlingame, Calif. Radioreceiver control. 1,975,781; Oct. 9.
- Fleisch, Joseph R., Clifton, N. J., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure cap or similar article. Des. 93,650; Oct. 23.
- Fleischer, Arthur, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa. Manufacture of alumina hydrate. 1,957,766; May 8.
- Fleischer, Arthur, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa. Manufacture of alumina. 1,957,767; May 8.
- Fleischer, Arthur, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa. Manufacture of alumina. 1,957,768; May 8.
- Fleischer, Arthur, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa. Charging continuous flow reaction containers with alum. 1,958,083; May 8.
- Fleischer, Arthur, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa. Manufacture of alumina. 1,960,336; May 29.
- Fleischer, Arthur, Hartford, Conn., assignor to Kalunite Company, Philadelphia, Pa. Counterflow leaching system. 1,964,382; June 26.
- Fleischer, Arthur, Salt Lake City, Utah, assignor, by mesne assignments, to Kalunite Company. Eliminating iron from sulphate solutions. 1,974,180; Sept. 13.
- Fleischer, Joseph, assignor to Frigidaire Corporation, Dayton, Ohio. Chemistry. 1,943,268; Jan. 9.

- Fleischer, Joseph, assignor to Frigidaire Corporation, Dayton, Ohio. Congealing solution. 1,968,195; July 31.
- Fleischer, Joseph, assignor to Frigidaire Corporation, Dayton, Ohio. Brine solution. 1,985,632; Dec. 25.
- Fleischer, Max, Brooklyn, N. Y. Making of sound synchronized motion pictures. 1,941,980; Jan. 2.
- Fleischhammer, Erich, Mannheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Motor vehicle control system. 1,941,887; Jan. 2.
- Fleischhauer, Richard. (See Kalischer, G., and Fleischhauer.)
- Fleischhauer, Richard, Frankfurt-on-the-Main-Eckenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs. 1,943,727; Jan. 16.
- Fleischmann, Christian. (See Gustin, D. S., Bonney, and Fleischmann.)
- Fleischmann Distilling Corporation, The. (See Fuerst, Edwin W., assignor.)
- Fleischmann, Jacob A., W. W. and F. O. Sullivan, assignors to Gardner Abbott, Cleveland, Ohio. Photogelatin printing. 1,944,123; Jan. 16.
- Fleisher, Walter L., New York, N. Y. Air conditioner. 1,970,296; Aug. 14.
- Fleisher, Walter L., assignor to Auditorium Conditioning Corporation, New York, N. Y. Method and apparatus for ventilation. 1,983,023; Dec. 4.
- Fleming, Charles A., Pontiac, Mich. Vacuum regulator for windshield wipers. 1,966,493; July 17.
- Fleming, Charles F. (See Martin, A. J., Fleming, and Havins.)
- Fleming, David H., Norwood, Mass., assignor to F. Wesel Manufacturing Company, Scranton, Pa. Machine for making stereotype matrices. Re19,324; Sept. 25.
- Fleming, Edward P., and A. L. Labbe, Salt Lake City, Utah, assignors to American Smelting & Refining Company, New York, N. Y. Utilization of gaseous fuel in blast furnace operations. 1,964,727; July 3.
- Fleming, Jared B., assignor to The Black & Decker Manufacturing Company, Towson, Md. Straightening fenders and other sheet metal. 1,957,495; May 8.
- Fleming, Jared B., and H. C. Preston, Towson, Md., assignor to The Black & Decker Manufacturing Company. Portable power driven fender tool. 1,973,056; Sept. 11.
- Fleming, John S., assignor to Niagara Fold, Inc., Niagara Falls, N. Y. Manifold device. 1,941,888; Jan. 2.
- Fleming, Joseph B., assignor to Fleming & Sons, Inc., Dallas, Tex. Producing ornamental building paper. 1,973,339; Sept. 11.
- Fleming, Mary P. (See Allen, G. N., Fleming, and Ressegger.)
- Fleming, Robert J., London, England, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,963,656; June 19.
- Fleming & Sons, Inc. (See Fleming, Joseph B., assignor.)
- Fleming, Walter, Ludwigshafen-on-the-Rhine, and Horst-Dietrich v. d. Horst, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of dimethylol ketones and the product thereof. 1,955,060; Apr. 17.
- Fleming, Wells S., Portland, Oreg., assignor to L. J. Corboy, Chicago, Ill. Drainage fixture. 1,963,300; June 19.
- Fleming, Wilfred K., assignor to Tobe Deutschmann Corporation, Canton, Mass. Connecting electrical appliances to power lines. 1,949,996; Mar. 6.
- Fleming, Wilfred K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Regulating system. 1,985,634; Dec. 25.
- Fleming, Wilfred K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Regulating system. 1,985,635; Dec. 25.
- Fleming, Willis M., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Stuffing box. 1,968,999; Aug. 7.
- Fletcher, Albert C., Deer Creek, assignor to Acme Foundry and Machine Company, Blackwell, Okla. Gas and air mixing valve. 1,973,977; Sept. 18.
- Fletcher, Allen H., Bakersfield, Calif. Desander or vacuum bailer. 1,958,915; May 15.
- Fletcher, Arthur P., Huntington Woods, and F. E. Beems, assignors to Ford Motor Company, Dearborn, Mich. Weather pad construction. 1,955,453; Apr. 17.
- Fletcher, Arthur T., Bristol, Conn. Glass cutter. 1,962,238; June 12.
- Fletcher, Charles, Cheadle Hulme, England, deceased; S., C. N., and S. B. Fletcher, executors. Hack saw machine. 1,965,743; July 10.
- Fletcher, Charles N., et al, executors. (See Fletcher, Charles.)
- Fletcher, Charles W., New York, N. Y., and R. H. Stone, Irvington, N. J., assignors to Titeflex Metal Hose Co. Tube coupling. 1,982,732; Dec. 4.
- Fletcher, George H., Sheffield, England, assignor to General Electric Company. System of motor control. 1,971,747; Aug. 28.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Standing valve control apparatus. 1,943,522; Jan. 16.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Fluid pressure regulator. 1,947,585; Feb. 20.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Flow choke. 1,947,586; Feb. 20.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Plunger lift valve closing device. 1,947,587; Feb. 20.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Pipe thread gauge. 1,983,279; Dec. 4.
- Fletcher, James, New Brighton, Staten Island, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method of and apparatus for operating a steam boiler. 1,975,095; Oct. 2.
- Fletcher, James, West New Brighton, Staten Island, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Series boiler. 1,975,096; Oct. 2.
- Fletcher, James, West New Brighton, Staten Island, N. Y., and P. S. Dickey, Cleveland, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Operating a vapor generator. 1,975,097; Oct. 2.
- Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Liquid fuel burner. 1,980,132; Nov. 6.
- Fletcher, John, et al. (See Doleman, James, assignor.)
- Fletcher, John, assignor to Electric Trading Corporation, New York, N. Y. Electric range or similar article. Des. 91,995; Apr. 17.
- Fletcher, Robert W. J., Westminster, London, England. Gun sighting and elevating mechanism. 1,974,864; Sept. 25.
- Fletcher, Russell M., and F. H. Lang, assignors to The Sherwin-Williams Company, Chicago, Ill. Color match guide. 1,958,192; May 8.
- Fletcher, Ruth P., and C. G. Towne, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Cooking utensil. 1,976,219; Oct. 9.
- Fletcher, Sedgley, et al, executors. (See Fletcher, Charles.)
- Fletcher, Sedgley B., et al, executors. (See Fletcher, Charles.)
- Fletcher, Walter J. (See Graham, T. C., and Fletcher.)
- Fletcher, William, London, England, assignor to Centa Trading Corporation, New York, N. Y. Optical device. 1,982,650; Dec. 4.
- Fletcher Works, Incorporated. (See Schander, Paul, assignor.)
- Fletcher Works, Incorporated. (See Schaum, Carl, assignor.)
- Fletcher Works, Incorporated. (See Schaum, Otto W., assignor.)
- Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of polyazo derivatives of 8-hydroxy-1-naphthylamine. 1,965,635; July 10.
- Flexlume Corporation. (See Cudney, Harry J., assignor.)
- Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
- Flexible Truck Corporation. (See Taylor, Howard D., assignor.)
- Flexlume Corporation. (See Whitman, Channing, assignor.)
- Flexlume Corporation. (See Wiley, R. R., and Brandt.)
- Flexlume Corporation. (See Wiley, Roy R. and W. K., and Cudney, assignors.)
- Flexo Safety Razor Corporation. (See Koree, Jean U., assignor.)
- Flexo Supply Company. (See Swedler, I., and Greenlaw, assignors.)
- Flexon, Floyd. (See Lufkin, G., and Flexon.)
- Flexon, Floyd, Alton, Ill., assignor to Owens-Illinois Glass Company. Circulating molten glass. 1,959,417; May 22.
- Fli-Bac Products Corporation. (See Nye, A. F., and Lawson, assignors.)
- Flick, Zeno E. (See Field, G. F., and Flick.)
- Flight, Ralton, East St. Kilda, Victoria, Australia. Simplifying the changing of the gear ratio in automobiles. 1,962,064; June 5.
- Flink, John H., assignor to Hood Rubber Company, Inc., Watertown, Mass. Holder. 1,969,066; Aug. 7.
- Flinker, George H., Cincinnati, Ohio. Fountain divider for printing presses. 1,953,105; Apr. 3.
- Flinker, Leon A., Detroit, Mich., assignor of one-fourth to J. A. Geismar, Toledo, Ohio. Safety razor. 1,984,338; Dec. 11.
- Flinker, Max, Berlin-Pankow, Germany, assignor to General Electric Company. Motion picture projector. 1,956,418; Apr. 24.
- Flinn, Arthur C., Los Angeles, Calif., assignor to Sherman Paper Products Corporation, Newton, Mass. Ornamented box and ornamental strip therefor. 1,982,952; Dec. 4.
- Flint, Charles F. V., Copenhagen, Denmark. Manufacture of metal containers. 1,966,713; July 17.
- Flint Eaton and Company. (See Taylor, Guy C., assignor.)
- Flint, Francis C. (See Bowman, S. R., and Flint.)
- Flint, Francis C., and C. B. Wiles, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Decorative spraying machine. 1,959,711; May 22.
- Flint, James G. (See McWhirter, E. M. S., and Flint.)
- Flint, Perley G., assignor to Field and Flint Co., Brockton, Mass. Shoe. 1,977,568; Oct. 16.
- Flint, Wesley P., and G. L. Hickenyos, Urbana, Ill., assignors, by mesne assignments, to Monsanto Chemical Company. Insecticide composition and its application. 1,982,909; Dec. 4.
- Flintermann, Gerhard, West Orange, N. J. Shock absorbing device. 1,951,013; Mar. 13.
- Flintermann, Gerhard, Short Hills, N. J. Key container. 1,972,879; Sept. 11.

- Flintermann, Gerhard, Short Hills, N. J. Key container. 1,972,880; Sept. 11.
- Flintkote Company, The. (See Johnston, David W., assignor.)
- Flock, Bernard J., assignor to Universal Oil Products Company, Chicago, Ill. Device for determining the level of liquid in a closed zone. 1,962,187; June 12.
- Flood, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Making pipe fittings. 1,978,452; Oct. 30.
- Flogaus, Howard A. (See Ratzlaff, W. G., and Flogaus.)
- Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Pin ticket machine and method. 1,954,287; Apr. 10.
- Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Printing machine and method. 1,980,576; Nov. 13.
- Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Ticket. 1,980,577; Nov. 13.
- Flood & Conklin Co. (See Fess, Charles J., assignor.)
- Flood, Leo P., Sunnyside, N. Y. Steam trap. 1,966,007; July 10.
- Floor Accessories Company. (See Awbrey, Samuel C., assignor.)
- Floorola Corporation, The. (See Fowler, Elnathan A., assignor.)
- Flora, Albert N., assignor to Trupar Manufacturing Company, Dayton, Ohio. Combination inlet and injector valve for water softeners and the like. 1,969,790; Aug. 14.
- Flora, George R., assignor to The Arro Expansion Bolt Company, Marion, Ohio. Display support. 1,945,806; Feb. 6.
- Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Electric light. 1,949,538; Mar. 6.
- Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Regulator for windows and the like. 1,954,240; Apr. 10.
- Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Window regulator. 1,962,115; June 12.
- Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Window regulator. 1,985,655; Dec. 25.
- Floral City Furniture Company. (See Knabusch, E. M., and Shoemaker, assignors.)
- Florell, Lorenz H., Topeka, Kans. Directional signal for motor driven vehicles. 1,971,101; Aug. 21.
- Florence Stove Company. (See Bradbury, William T., assignor.)
- Florence Stove Company. (See White, F. E., and Ruttiman, assignors.)
- Florenz, Martin, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Preparation of resinous condensation products from phenols and aldehydes. 1,982,651; Dec. 4.
- Floret, Heinrich, Spandau, Germany, assignor to General Electric Company. Emergency governor mechanism for prime movers. 1,970,420; Aug. 14.
- Florex Gardens, Inc., The. (See Hires, John E., assignor.)
- Florian, Julian, Plantsville, Conn. Roll of direct positive paper. 1,966,404; July 10.
- Florich, John F. and V. P., assignors to Auto Comfort Products Company, Ventnor, N. J. Waterproofing composition. 1,963,895; June 19.
- Florich, Vincent P. (See Florich, John F. and V. P.)
- Florida Cane Products Corporation. (See Gosch, Jacob B., assignor.)
- Florida, Pablo V., U. S. Navy. Submarine salvaging system. 1,946,492; Feb. 13.
- Florman, Irving, New York, N. Y. Cigar lighter. Re19,162; May 8.
- Florman, Irving, New York, N. Y. Bathroom scale. 1,980,045; Nov. 6.
- Florman, Irving, New York, N. Y. Shaving machine. 1,981,787; Nov. 20.
- Florman, Irving, New York, N. Y. Alarm clock. 1,983,448; Dec. 4.
- Florsheim Shoe Company, The. (See Sechler, William N., assignor.)
- Florsheim Shoe Company, The. (See Sechler, W. N., and Goodman, assignors.)
- Floss, Carl W., Detroit, Mich. Power transmitting unit for vehicles. 1,944,685; Jan. 23.
- Floss, Carl W., Detroit, Mich. Lapping tool. 1,955,362; Apr. 17.
- Floss, Carl W., Detroit, Mich. Variable speed transmission. 1,968,288; July 31.
- Flothow, Alfred C., assignor to Everhot Manufacturing Company, Maywood, Ill. Electric tire numbering disk. 1,956,016; Apr. 24.
- Flothow, Alfred C., assignor to Everhot Manufacturing Company, Maywood, Ill. Inking and branding device. 1,960,776; May 29.
- Flower, Alpheus, London, England. Making multiple pistons for fluid pressure engines. 1,978,045; Oct. 23.
- Flower, John W., Wimborne, Dorset, England. Crown feed to bottle crowning machines. 1,945,889; Feb. 6.
- Flowers, Alan E., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Refining mineral oil. 1,959,712; May 22.
- Flowers, George H. (See Gross, P. M., and Flowers.)
- Flowers, Henry F., Findlay, Ohio. Dump car. Re19,206; June 12.
- Flowers, Henry F., Findlay, Ohio. Dump vehicle with actuated doors. 1,949,120; Feb. 27.
- Flowers, Henry F., Findlay, Ohio. Dump vehicle. 1,972,042; Aug. 28.
- Flowers, Henry F., Findlay, Ohio. Dump vehicle with actuated doors. 1,972,043; Aug. 28.
- Flowers, Henry F., Findlay, Ohio. Dump vehicle having a fluid-medium door control. 1,983,280; Dec. 4.
- Floyd, Henry B. (See Hillstrom, A. F., and Petterson, assignors.)
- Floyd, Walter B. (See Edmunds, G. E., and Floyd.)
- Floyd, William B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,948,572; Feb. 27.
- Fluckiger, Rudolph, Riverside, assignor of three-fourths to G. R. Farmer, Brookfield, Ill. Making milk products. 1,973,145; Sept. 11.
- Fluga Aktiengesellschaft. (See Heylandt, Christian W. P., assignor.)
- Fluharty, William G., Rockville Center, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph receiving system. 1,963,618; June 19.
- Fluid Seal Corporation. (See McGee, Edgar I., assignor.)
- Fluor Corporation, The. (See Fluor, John S., Jr., assignor.)
- Fluor Corporation, Ltd., The. (See Stillger, A. A., and Fluor, assignors.)
- Fluor, John S., Jr., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Muffler. 1,966,620; July 17.
- Fluor, Peter E. (See Stillger, A. A., and Fluor.)
- Flurschheim, Cedric H., Fleet, England, assignor to General Electric Company. Electric switch. 1,970,421; Aug. 14.
- Fluss, Viktor, Vienna, Austria. Removing fatty and pitchy matters from animal fibres and for making them more readily feltable. 1,947,522; Feb. 20.
- Flyberg, Esther E., Halstad, Minn. Decoration and light holder. 1,948,813; Feb. 27.
- Flygare, Carl G. (See Dunbar, H. W., and Flygare.)
- Flygare, Carl G. (See Norton, C. H., and Flygare.)
- Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine table operating mechanism. 1,949,511; Mar. 6.
- Flynn, Bernard C., Tulsa, Okla. Variable diameter gripping device. 1,978,453; Oct. 30.
- Flynn, Edmund J. (See Hoody, W. C., and Flynn.)
- Flynn & Emrich Company. (See Turner, James F., assignor.)
- Flynn, Frank E., Youngstown, Ohio. Stripper and conveyor for carrier sheets. 1,982,607; Nov. 27.
- Flynn, Frank E., Youngstown, and G. N. Harmon, Warren, Ohio. Automatic control for looper pans. 1,982,608; Nov. 27.
- Flynn, John A., New York, N. Y. Low level indicator for electrolyte of storage batteries. 1,963,123; June 19.
- Flynn, Kirtland. (See Walsh, J. F., and Flynn.)
- Flynn, Michael H., assignor to The Allen Manufacturing Company, Hartford, Conn. Swaging machine. 1,963,942; June 19.
- Flynn, Michael J., Chicago, Ill. Tire. Des. 91,484; Feb. 13.
- Flynn, Michael J., Chicago, Ill. Tire. Des. 91,485; Feb. 13.
- Flynn, Roy L., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Display stand. 1,947,195; Feb. 13.
- Flynn, William B., Ventura, Calif. Rotary well drilling bit. 1,957,532; May 8.
- Foard, Charles F. H., et al. (See Byrd, James N., assignor.)
- Fobes, Kenneth D., et al. (See Hull, Charles W., assignor.)
- Fobian, George H. (See Ferris, W., and Fobian.)
- Foch, Victor, San Diego, Calif. Potato rack. 1,969,601; Aug. 7.
- Focht, Nevin S., Reading, Pa. Hydraulic shock absorber. 1,957,452; May 8.
- Focht, Nevin S., Pottstown, Pa. Hydraulic shock absorber. 1,970,369; Aug. 14.
- Focke, Theodore B. (See Chadwick, L. S., Resek, and Focke.)
- Foehr, Joseph F., Garden City, N. Y. Piston packing. 1,945,524; Feb. 6.
- Foell, Adolph L., Cleveland Heights, Ohio. Checkerwork construction. 1,953,342; Apr. 3.
- Foerderer, Percival E. (See Giester, Carl H., assignor.)
- Foerste, William, Pelham Manor, assignor to A. Josepowitz, New York, N. Y. Electric converter for luminous tubes. 1,978,528; Oct. 30.
- Fogarty, John C., jr., Clinton, N. Y. Automatic brake and electric ignition control for automobiles. 1,951,189; Mar. 13.
- Fogelson, David J., West St. Paul, Minn. Fish lure. 1,959,911; May 22.
- Fogelström, Fredrik V., Huddinge, Sweden. Adjustable foot for furniture and the like. 1,973,948; Sept. 18.
- Fogg, Lewis W., Youngstown, and G. W. Lentz, Canton, Ohio. Forming tubular articles. 1,944,073; Jan. 16.
- Fogler, Mayor F., Petersburg, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Utilization of nitrogen oxide gases. 1,949,462; Mar. 6.
- Fohmann, Edwin C., Philadelphia, Pa. Game. 1,942,280; Jan. 2.
- Folberth, Frederick G., and W. M., Cleveland, Ohio. Clutch and brake control mechanism. 1,945,807; Feb. 6.
- Folberth, Frederick G., and W. M., Cleveland, Ohio. Fluid pressure actuated brake. 1,947,841; Feb. 20.
- Folberth, Frederick G. and W. M., Cleveland, Ohio. Theft prevention device for vehicles. 1,966,621; July 17.
- Folberth, Frederick G. and W. M., Cleveland, Ohio. Fluid pressure actuated mechanism. 1,966,622; July 17.

- Folberth, Frederick G. and W. M., Cleveland, Ohio. Fluid pressure actuated device and controlling same. 1,968,484; July 31.
- Folberth, Frederick G. and W. M., Cleveland, Ohio. Control mechanism for fluid pressure actuated devices. 1,968,485; July 31.
- Folberth, William M. (See Folberth, Frederick G. and W. M.)
- Folen, Neis E., Portland, Oreg., assignor to Jewell Electrical Instrument Co., Newark, N. J. Illuminated connector. 1,955,418; Apr. 17.
- Foley, Earl H., New York, N. Y., assignor to Filmtone Corporation. Recording and indicating sound. 1,984,406; Dec. 18.
- Foley, Earl H., Seattle, and G. B. Sampair, Tacoma, Wash., assignors to Filmtone Corporation. Diaphragm device. 1,984,637; Dec. 18.
- Foley, Francis B., Philadelphia, Pa. Hardened alloy steel and hardening same. 1,943,595; Jan. 16.
- Foley, George J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Lining for rubber and making the same. 1,960,437; May 29.
- Foley Greenhouse Manufacturing Company, The. (See Foley, James B., assignor.)
- Foley, Harry W., Fresno, Calif. Adjustable fruit box lid. 1,982,652; Dec. 4.
- Foley, Ivan D. (See Broida, M. M., and Foley.)
- Foley, James B., River Forest, Ill., assignor to The Foley Greenhouse Manufacturing Company. Greenhouse construction. 1,967,769; July 24.
- Foley, James P., Timmins, Ontario, Canada. Banker's protective appliance. 1,982,247; Nov. 27.
- Foley, John W., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set. 1,984,062; Dec. 11.
- Foley, Raymond W., Dunkirk, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ironing machine. 1,970,511; Aug. 14.
- Foley, Thomas E., Newton, and W. C. Bennison, Waltham, Mass. Electric indicator. 1,959,267; May 15.
- Folger, H. C., Company. (See Folger, Henry C., assignor.)
- Folger, Henry C., Belmont, assignor to H. C. Folger Company, Boston, Mass. Vending and dispensing apparatus. 1,975,540; Oct. 2.
- Folger, Roy C. (See Scheidt, A. W., and Folger.)
- Folger, Roy C., Dearborn, Mich., assignor to The Electric Smelting & Aluminum Co., Cleveland, Ohio. Treating siliceous material and the manufacture of cement therefrom. 1,964,685; June 26.
- Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. Des. 92,891; July 31.
- Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Substance supporting table for slicing machines. 1,945,143; Jan. 30.
- Folke, Bengt E., Lafayette, Ind., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive starting valve. 1,974,181; Sept. 18.
- Folke, Knud, and H. Hansen, Copenhagen, Denmark, assignors to F. L. Smith Co., New York, N. Y. Manufacture of hydraulic cement. 1,955,121; Apr. 17.
- Follett, David H. (See Twyman, F., and Follett.)
- Follett, Elroy C., and A. W. Heater, Newberg, Oreg. Portable nail stripper. 1,945,144; Jan. 30.
- Folliet, Alexandre, and N. Sainderichin, Paris, France. Cementation mixture for ferrous metals. 1,943,171; Jan. 9.
- Follin, Werner E. (See Nelson, C. F., Follin, and Nelson.)
- Folmer-Chapin Corporation. (See Folmer, W. F., and Chapin, assignors.)
- Folmer-Electracide Corporation. (See Folmer, William F., assignor.)
- Folmer Grafex Corporation. (See Burnell, W. E., Petit, and Roth, assignors.)
- Folmer Grafex Corporation. (See Hineline, Edson S., assignor.)
- Folmer Grafex Corporation, The. (See Petit, W. H., and Hineline, assignors.)
- Folmer, William F., assignor to Folmer-Electracide Corporation, Rochester, N. Y. Adjustable electrified insect screen. 1,981,951; Nov. 27.
- Folmer, William F., and H. L. Chapin, assignors to Folmer-Chapin Corporation, Rochester, N. Y. Electrical insect exterminator. 1,960,084; May 22.
- Folmer, William F., and H. L. Chapin, assignors to Folmer-Chapin Corporation, Rochester, N. Y. Insect exterminator. 1,962,439; June 12.
- Folmsbee, Clyde H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Tank car. 1,980,674; Nov. 13.
- Folsom, H. & D. Arms Company. (See Franz, Ferdinand, assignor.)
- Foltis, Anestis, New York, N. Y. Sanitary device. 1,974,955; Sept. 25.
- Foltz, Ira W., Chicago, Ill. Combustion furnace. 1,963,358; June 19.
- Foltz, Walter R., Indianapolis, Ind. Soundproof booth. 1,966,288; July 10.
- Fonda, Jay C., Sheephead Bay, assignor of one-half to F. T. Roberts, New York, N. Y. Sound recording on motion picture film. 1,947,290; Feb. 13.
- Fon Dermuth, C. R. (See Reinartz, L. F., and Fon Dermuth.)
- Fonrobert, Ewald, and A. Greth, Wiesbaden, Germany, assignors to Resinous Products & Chemical Co., Inc., Philadelphia, Pa. Production of resin-acid condensation products. 1,948,573; Feb. 27.
- Fonrobert, Ewald, Wiesbaden, and F. Lemmer, Wiesbaden-Biebrich, Germany, assignors to Resinous Products & Chemical Co., Inc., Philadelphia, Pa. Production of resin-acid compositions substituted in the carboxylic group. 1,952,367; Mar. 27.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Automatic fuel control device. 1,945,109; Jan. 30.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Thermostatic fuel control device. 1,946,679; Feb. 13.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Heat control device. 1,949,250; Feb. 27.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Thermostatically controlled fuel control apparatus. 1,975,142; Oct. 2.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Thermostatic regulator. 1,978,362; Oct. 23.
- Fontaine, Pierre M., St.-Andre-lez-Lille, France. Scale. 1,941,981; Jan. 2.
- Fontana, Celestino, New York, N. Y. Timbale iron. 1,949,862; Mar. 6.
- Food Concentrates, Inc. (See Johnston, A. L., Jr., and Northcutt, assignors.)
- Food Concentrates, Inc. (See Northcutt, R. T., and Johnston, Jr., assignors.)
- Food Machinery Corporation. (See Anderson, Earl B., assignor.)
- Food Machinery Corporation. (See Bjorklund, William A., assignor.)
- Food Machinery Corporation. (See Butler, Clinton C., assignor.)
- Food Machinery Corporation. (See Cushman, Everett B., assignor.)
- Food Machinery Corporation. (See Cutler, Frank W., assignor.)
- Food Machinery Corporation. (See de Back, William, assignor.)
- Food Machinery Corporation. (See Drevitson, Wesley B., assignor.)
- Food Machinery Corporation. (See Hait, James M., assignor.)
- Food Machinery Corporation. (See Jones, Lloyd E., assignor.)
- Food Machinery Corporation. (See Lassen, Harry C., assignor.)
- Food Machinery Corporation. (See Lewis, Frank H., assignor.)
- Food Machinery Corporation. (See Lewis, Harold R., assignor.)
- Food Machinery Corporation. (See Magnuson, Ray M., assignor.)
- Food Machinery Corporation. (See McDill, Rex D., assignor.)
- Food Machinery Corporation. (See Minnis, Philip A., assignor.)
- Food Machinery Corporation. (See Moe, Andrew O., assignor.)
- Food Machinery Corporation. (See Roberts, Frank B., assignor.)
- Food machinery Corporation. (See Rogers, Jabin V., assignor.)
- Food Machinery Corporation. (See Schmidt, John, assignor.)
- Food Machinery Corporation. (See Skinner, Bronson C., assignor.)
- Food Machinery Corporation. (See Stebler, Fred, assignor.)
- Food Machinery Corporation. (See Stebler, F., and Stillwell, assignors.)
- Food Machinery Corporation. (See Thompson, Albert R., assignor.)
- Food Machinery Corporation. (See Wagner, Hubert H., assignor.)
- Food Machinery Corporation. (See Zimmer, Frank X., assignor.)
- Food Processing Company, The. (See Ford, Karl L., assignor.)
- Food Processing Company, The. (See Lang, Charles W., assignor.)
- Food Processing Company, The. (See Mills, John, assignor.)
- Food Processing Company, The. (See Wright, William E., assignor.)
- Foohay, William L. (See Dahlen, M. A., Black, and Foohay.)
- Foohay, William L. (See Dahlen, M. A., and Foohay.)
- Foose, Edward, Wheeling, W. Va. Drain fixture for sinks. 1,976,549; Oct. 9.
- Foot Bros. Gear & Machine Co. (See Lewis, Otto L., assignor.)
- Foot Burt Company, The. (See Schiltz, Bernard P., assignor.)
- Foot, Edward B., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for controlling industrial processes. 1,949,199; Feb. 27.
- Foot, Pierson & Company. (See Cassidy, William F., Jr., assignor.)
- Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Rheostat. 1,950,341; Mar. 6.
- Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Work carrier. 1,950,402; Mar. 13.

- Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Adding and listing machine. 1,956,569; May 1.
- Foothorap, Harry A., Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined calculating recording machine. 1,959,783; May 22.
- Foothorap, Harry A., Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Work feeding means. 1,963,232; June 19.
- Forberg, Trygve. (See Walker, W. S., and Forberg.)
- Forbes, Dennis A., Nashville, Tenn. Card for a chemistry card game. Des. 91,996; Apr. 17.
- Forbes, Duncan P., assignor, by mesne assignments, to Gunita Foundries Corporation, Rockford, Ill. Brake drum. 1,966,169; July 10.
- Forbes, Gertrude K., South Pasadena, Calif. Handle. 1,977,180; Oct. 16.
- Forbes, Gertrude K., and F. A. Speik, South Pasadena, Calif. Mop handle. 1,982,910; Dec. 4.
- Forbes, Henry C., Marion, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Radioreceiver cable connection. 1,960,938; May 29.
- Forbes, Henry C., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Co. Frequency measuring system. 1,982,340; Nov. 27.
- Forbes, John S., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Valve. 1,979,611; Nov. 6.
- Forbes Lithograph Manufacturing Company. (See Hines, John E., assignor.)
- Forbes Lithograph Manufacturing Company. (See Knight, Eugene U., assignor.)
- Forbes Lithograph Manufacturing Company, The. (See Larkin, James L., assignor.)
- Forbes Lithograph Manufacturing Company. (See Little, John W., assignor.)
- Forbes Lithograph Manufacturing Company. (See Nelson, George, assignor.)
- Forbes Lithograph Manufacturing Company. (See Thomson, David F., assignor.)
- Forbes, Robert A., assignor of one-half to W. M. Kaefer, Hamilton, Ohio. Combined headlight lens and reflector. 1,950,918; Mar. 13.
- Forbes, Robert W., et al. (See Mize, Earl W., assignor.)
- Forbing, John W., Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Preparation comprising glycol solutions of alkali metal salts of barbituric acid compounds. 1,984,733; Dec. 18.
- Forbringer, Louis J., and J. J. Kossek, Summit, N. J. Bookmark. 1,966,340; July 10.
- Force, Harold J., Niles Center, Ill. Illuminated sign. 1,955,179; Apr. 17.
- Force, Wm., A., and Company Incorporated. (See Kern, Maximilian H., assignor.)
- Ford, Albert G., Aurora, Ill. Gas service regulator. 1,941,831; Jan. 2.
- Ford, Arthur S., assignor to Industrial Sugar Products Corporation, New York, N. Y. Resinous composition and forming the same. 1,949,831; Mar. 6.
- Ford, Arthur S., assignor to Industrial Sugar Products Corporation, New York, N. Y. Resinous composition and forming the same. 1,949,832; Mar. 6.
- Ford, Arthur S., assignor to Industrial Sugar Products Corporation, New York, N. Y. Resinous composition and forming the same. 1,974,064; Sept. 18.
- Ford, Ben K. (See Barrans, W. T., and Ford.)
- Ford, Ben K., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Beater mechanism for braiding machines. 1,976,931; Oct. 16.
- Ford, David O., assignor to The Velporr Corporation, Lynchburg, Va. Individual condiment container. 1,977,759; Oct. 23.
- Ford, Don E. (See McKinley, H. T., Nichols, Bruns, and Ford.)
- Ford, Ernest L., and R. J. Rew, Darlington, England. Exhaust ventilator. 1,968,936; Aug. 7.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing counter. 1,944,659; Jan. 23.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Combinational index point sorter. 1,946,904; Feb. 13.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Brush holder for sorting machines. 1,946,905; Feb. 13.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Punching device. 1,954,042; Apr. 10.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printer mechanism for sorting machines. 1,962,735; June 12.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Gang punch. 1,965,975; July 10.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,969,362; Aug. 7.
- Ford, Eugene A., Scarsdale, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,978,017; Oct. 23.
- Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Printing device. 1,978,898; Oct. 30.
- Ford, Frederick A., San Fernando, Calif. Cigarette extinguisher. 1,944,640; Jan. 23.
- Ford, Frederick H., Waupun, Wis. Golf player's club selecting device. 1,943,066; Jan. 9.
- Ford, George R., Jr. (See Crowley, J. P., and Ford.)
- Ford, George W. (See Ponting, H. G., and Ford.)
- Ford, George W., Patches, Brighton, England. Production of distorted photographs. 1,943,172; Jan. 9.
- Ford, George W., Kensington, London, England, assignor, by mesne assignments, to Kinatome Patents Corporation. Holder for cinematograph films and the like. 1,944,023; Jan. 16.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Antifriction bearing. 1,948,105; Feb. 20.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Switch. 1,978,936; Oct. 30.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,955,454; Apr. 17.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Clutch. 1,955,455; Apr. 17.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Ignition distributor and timing same. 1,963,657; June 19.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Fuel pump installation. 1,963,658; June 19.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Automobile construction. 1,975,836; Oct. 9.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Internal-combustion engine. 1,975,837; Oct. 9.
- Ford Instrument Company. (See Ford, Hannibal C., assignor.)
- Ford, James A., Birmingham, Mich. Boiler construction. 1,945,349; Jan. 30.
- Ford, James B., Tulsa, Okla. Shock absorbing tire. 1,962,143; June 12.
- Ford, James G., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manufacturing refrigerating apparatus. 1,967,770; July 24.
- Ford, James G., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 1,976,608; Oct. 9.
- Ford, John B., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 1,947,291; Feb. 13.
- Ford, John F., Baldwin Park, assignor to C. F. McKinley, Los Angeles, Calif. Windmill. 1,964,347; June 26.
- Ford, John J., Jackson Heights, assignor to Fire Detector Co., Inc., New York, N. Y. Thermostatically controlled signal. 1,980,194; Nov. 13.
- Ford, John W., Hillsboro, Ill., assignor to J. H. Brunning, trustee for the stockholders of Ford Process Corporation. Treating cast-iron castings. 1,980,578; Nov. 13.
- Ford, Karl L., New York, N. Y., assignor to The Food Processing Company, Philadelphia, Pa. Processing the contents of valved containers. 1,963,782; June 19.
- Ford, Martin J., Waymart, Pa. Cap form. 1,954,565; Apr. 10.
- Ford Motor Company. (See Farkas, Eugene J., assignor.)
- Ford Motor Company. (See Fletcher, A. P., and Beems, assignors.)
- Ford Motor Company. (See Ford, Henry, assignor.)
- Ford Motor Company. (See Hicks, Harold A., assignor.)
- Ford Motor Company. (See Huff, Edward S., assignor.)
- Ford Motor Company. (See McCarroll, R. H., and Vernerholm, assignors.)
- Ford Motor Company. (See Pioch, William F., assignor.)
- Ford Motor Company. (See Simpson, Howard W., assignor.)
- Ford Motor Company. (See Sorensen, Charles E., assignor.)
- Ford Motor Company. (See Wellman, Charles E., assignor.)
- Ford, Otto C. (See Stapledon, Greigg N. D., assignor.)
- Ford Process Corporation, Stockholders of. (See Ford, John W., assignor.)
- Ford, Shelley W., Cincinnati, Ohio. Pressing machine. 1,983,974; Dec. 11.
- Ford, Thomas B., New York, N. Y. Regulating valve. 1,984,792; Dec. 18.
- Ford, William E., Elgin, Ill. Self-aligning adapter. 1,960,003; May 22.
- Forde, Arthur A., Vista, Manitoba, Canada. Vehicle dump body. 1,948,170; Feb. 20.
- Forde, Thomas H., San Francisco, Calif. X-ray tube. 1,949,463; Mar. 6.
- Fordham, Charles F., et al. (See Hyma, Abe, assignor.)
- Fordyce, Allmon, New York, N. Y., assignor to General Electric Company. Vacuum cleaner casing. Des. 91,388; Jan. 23.
- Fordyce, Charles R. (See Dickens, A. W. M., and Fordyce.)
- Fordyce, Charles R. (See Malm, C. J., and Fordyce.)
- Fordyce, Charles R., assignor to Eastman Kodak Company, Rochester, N. Y. Ethanolamine salt of cellulose esters containing dicarboxylic acid radicals and its preparation. 1,969,741; Aug. 14.
- Fordyce, Charles R., and M. Salo, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic stripping film. 1,973,476; Sept. 11.

- Foreman, Melvin O. (See Calcott, W. S., and Foreman.)
- Foresman, Harry B., Enid, Okla., assignor to Lock Joint Window Company, Kansas City, Mo. Weather strip. 1,971,603; Aug. 28.
- Foresman, James W. (See Dodge, H. H., and Foresman.)
- Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,950,605; Mar. 13.
- Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,957,583; May 8.
- Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combustion apparatus. 1,977,181; Oct. 16.
- Forestal Land, Timber & Railways Company Limited, The. (See Turnbull, A., and Hobson, assignors.)
- Forest City Foundries Company, The. (See Kuenhold, Otto J., assignor.)
- Foretich, Clarence L., Warren, Ark. Display stand. 1,941,675; Jan. 2.
- Forged-Trak Co. (See Kuchar, Joseph, assignor.)
- Forges & Ateliers de Constructions Electriques de Jeumont. (See Escole, Paul J. M., assignor.)
- Forges & Ateliers de Constructions Electriques de Jeumont Société Anonyme. (See Heidmann, Leon, assignor.)
- Forges & Ateliers de Constructions Electriques de Jeumont, Société Anonyme. (See Lejeune, Fernand, assignor.)
- Forgrove Machinery Company. (See Grover, Frederick, assignor.)
- Forgrove Machinery Company Limited, The. (See Grover, Frederick, assignor.)
- Foriyes, Frank, Brooklyn, N. Y. Hair waving applicator. 1,945,936; Feb. 6.
- Forknall, George E., Niagara Falls, N. Y. Container. 1,944,551; Jan. 23.
- Forkner, Jesse C., Fresno, Calif. Game. 1,976,065; Oct. 9.
- Forman, Mack M., Providence, R. I. Combined picture display and compact case. Des. 93,386; Sept. 25.
- Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Pneumatic engine. 1,942,543; Jan. 9.
- Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Interconnected brake and door system for vehicles. 1,943,819; Jan. 16.
- Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Switch mechanism. 1,944,157; Jan. 23.
- Forman, Samuel B., Long Island City, N. Y. Fire alarm and extinguisher. 1,982,653; Dec. 4.
- Forman, Solomon, New York, N. Y. Bottle or similar article. Des. 92,243; May 15.
- Forman, Solomon, New York, N. Y. Dish or similar article. Des. 92,457; June 12.
- Forman, Solomon, New York, N. Y. Dish or similar article. Des. 92,458; June 12.
- Forman, William O. (See Fickett, E. L., Forman, and Holmes.)
- Formhals, Anton, Mainz-on-the-Rhine, assignor, by mesne assignments, to Richard Schreiber-Gastell and to said Anton Formhals, Mainz, Germany. Process and apparatus for preparing artificial threads. 1,975,504; Oct. 2.
- Formica Insulation Company, The. (See Carter, William W., Jr., assignor.)
- Formica Insulation Company, The. (See Lytle, Robert W., assignor.)
- Forncrook, Lawrence M., Pittsburgh, assignor to Elliott Company, Jeannette, Pa. Condenser. 1,953,293; Apr. 3.
- Fornelius, Axel F., Clifton, N. J. Spring power mechanism. 1,977,546; Oct. 16.
- Forney, John D., West Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device and electrode therefor. 1,951,141; Mar. 13.
- Forney, John D., Chatham, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method of and apparatus for operating gaseous electric discharge devices. 1,961,754; June 5.
- Forney, William E., Abilene, Kans. Post hole digger. 1,966,008; July 10.
- Fornl, George, Oakland, Calif. Repository for refuse cans. 1,949,301; Feb. 27.
- Fornwalt, Alexander E., Johnstown, Pa. Train pipe valve. 1,984,828; Dec. 18.
- Forrer, Joseph D., assignor to Sheet Aluminum Corporation, Jackson, Mich. Wheelbarrow structure. 1,965,409; July 3.
- Forrer, Joseph D., assignor to Sheet Aluminum Corporation, Jackson, Mich. Wheelbarrow structure. 1,969,457; Aug. 7.
- Forrer, Robert C., Strasbourg, assignor of one-half to Mines Dominales de Potasse d'Alsace, Mulhouse, France. Method and apparatus for the magnetic separation of mixed products. 1,956,760; May 1.
- Forrest, Charles E., assignor of one-fifth to F. T. Bowles, Los Angeles, Calif. Preserving foodstuffs. 1,975,541; Oct. 2.
- Forrest, Henry O., West Englewood, L. Van Horn, Elizabeth, and P. C. Keith, Short Hills, N. J., and R. B. Crawford, Brooklyn, N. Y. Refrigerating system. 1,943,116; Jan. 9.
- Forrest, Henry O., Teaneck, and L. Van Horn, Elizabeth, N. J. Method and apparatus for conditioning air. 1,971,777; Aug. 28.
- Forrest, Thomas W. W. (See Payne, Le Roy, and Forrest.)
- Forry, Karl R., Newark, assignor to The Manufacturers Equipment Company, Dayton, Ohio. Clay working machine. 1,981,265; Nov. 20.
- Forsberg, Carl T., New York, N. Y. Outdoor bowling alley. 1,976,932; Oct. 16.
- Forsberg, Harold S., Stratford, Conn. Screw driver. 1,979,460; Nov. 6.
- Forsch, James A., New York, N. Y. Child's garment. 1,961,607; June 5.
- Forsdale, Oscar H., Fall River, Mass., assignor to United Merchants and Manufacturers, Inc., New York, N. Y. Making docked fabric. 1,975,542; Oct. 2.
- Forse, Edwin B., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Kiln furniture. 1,969,126; Aug. 7.
- Forse, Harry D., Anderson, Ind. Pressing machine. 1,952,851; Mar. 27.
- Forsell, Ernest, assignor to T. J. Stevenson, Minneapolis, Minn. Visiting panel for penal institutions. 1,977,719; Oct. 23.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Range control system. 1,971,136; Aug. 21.
- Forshee, Joseph M., Granada, Colo. Propeller. 1,945,633; Feb. 6.
- Forsling, Bengt E. G., Rugby, England, assignor to General Electric Company. Gas turbine power plant. 1,978,837; Oct. 30.
- Forst, Albert C., Alameda, Calif. Electrode for gaseous electrical discharge tubes. 1,952,428; Mar. 27.
- Forster, Albert, Milanino, near Milan, Italy. Change speed gear. 1,950,844; Mar. 13.
- Förster, Friedrich, and R. Kraft, Finow/Mark, Germany. Heat-insulating wall. 1,965,636; July 10.
- Forster, Percy M., Berkeley, Calif. Gas burner. 1,971,554; Aug. 28.
- Forster, Roy M., Port Arthur, Tex. Hot water heater. 1,953,851; Apr. 3.
- Forster, Thomas E., Wichita, Kans. Air and dust separator. 1,982,733; Dec. 4.
- Forsthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Orange, N. J. Refrigerator cabinet construction. 1,955,381; Apr. 17.
- Forsthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigeration apparatus. 1,985,286; Dec. 25.
- Forstmann Woolen Co. (See Klopsch, Paul, assignor.)
- Forstner, William, Irvington, N. J. Apparel belt front. Des. 91,423; Jan. 30.
- Forstner, William, Irvington, N. J. Button. Des. 92,595; June 26.
- Forsyth, Albert E., assignor to Forsyth Automotive Pneumatic Spring Limited, Ottawa, Ontario, Canada. Vehicle suspension. 1,977,547; Oct. 16.
- Forsyth, Archibald C., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Starting internal combustion engines. 1,956,896; May 1.
- Forsyth Automotive Pneumatic Spring Limited. (See Forsyth, Albert E., assignor.)
- Forsyth, Harry, Prosser, Wash. File guide. 1,958,659; May 15.
- Forsythe, George F., Owego, N. Y. Vibration dampening motion transmitting element. 1,966,948; July 17.
- Forsythe, James A., New York, N. Y. Container handling device. 1,976,014; Oct. 9.
- Forté, Harry P., Newton Highlands, assignor to Lever Brothers Company, Cambridge, Mass. Drying soap flakes. 1,942,418; Jan. 9.
- Forter, Samuel A., assignor to H. L. Dixon Company, Pittsburgh, Pa. Method and apparatus for operating furnaces. 1,944,074; Jan. 16.
- Forter, Samuel A., Bellevue, assignor to H. L. Dixon Company, Carnegie, Pa. Regenerative furnace. 1,978,191; Oct. 23.
- Fortescue, Charles L., East Liberty, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,953,106; Apr. 3.
- Fort Howard Paper Company. (See Shaffer, Glenn A., assignor.)
- Fortier, Charles L., Montreal, Quebec, Canada. Aircraft. 1,948,574; Feb. 27.
- Fortini, Arturo, deceased, Florence, Italy, L. Fortini, administrator, assignor to Bendix Brake Company, South Bend, Ind. Vehicle braking system. 1,944,144; Jan. 16.
- Fortini, Lodovico, administrator. (See Fortini, Arturo.)
- Fortman, Herman, assignor to Krischer's Manufacturing Co., Inc., Brooklyn, N. Y. Buckle. Des. 93,869; Nov. 20.
- Fort Orange Paper Company. (See Fieberts, Harry W., assignor.)
- Fort Orange Paper Company. (See Wolfe, Herbert J., assignor.)
- Fort Pitt Bedding Company. (See Wolf, Harry E., assignor.)
- Fort Pitt Mine Equipment Company. (See Johnson, George M., assignor.)
- Fortunato, Domenic A., Waterbury, Conn. Protective helmet. 1,978,994; Oct. 30.
- Fortune, James C., Monterey, Calif. Drive for drill pipe. 1,985,367; Dec. 25.
- Fortune, Richard T., Watonsville, Calif. Memorandum device. 1,948,851; Feb. 27.
- Forward, Walter L. (See Hollander, A., and Forward.)

- Forwood, George F., West Chart, England. Conversion of hydrocarbons to lighter hydrocarbons. 1,972,013; Aug. 28.
- Fosdick, Alexander H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Coating mold. 1,956,552; May 1.
- Foser, Charles J., Buffalo, N. Y. Floral device or garland. 1,970,370; Aug. 14.
- Foshee, W. E. (See Houston, Henry H., assignor.)
- Foss, Antonius, assignor to Norsk Hydro-Elektrisk Kvaelfaktieselskab, Oslo, Norway. Treatment of crude phosphates. 1,983,024; Dec. 4.
- Foss, Benjamin Q. P., deceased, by C. G. Foss, administratrix, San Francisco, Calif. Apparatus for destructive distillation of hydrocarbons. 1,982,863; Dec. 4.
- Foss, Benjamin S., Brookline, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Method or process of freezing. 1,952,666; Mar. 27.
- Foss, Benjamin S., Brookline, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system. 1,981,952; Nov. 27.
- Foss, Benjamin S., Brookline, assignor to B. F. Sturtevant Company, Boston, Mass. Refrigeration system for vehicle. 1,985,636; Dec. 25.
- Foss, Benjamin S., Brookline, and S. M. Anderson, Sharon, assignors to B. F. Sturtevant Company, Boston, Mass. Cooling apparatus. 1,958,890; May 15.
- Foss, Clarindo G., administratrix. (See Foss, Benjamin Q. P.)
- Foss, Clifton T., assignor to International Communications Laboratories, Inc., New York, N. Y. Indicating dial for stock quotation boards. 1,964,047; June 26.
- Foss, Edmund, deceased; L. Haven, special administrator; assignor of one-fourth to L. Haven, Seattle, Wash. Railway car door. 1,958,945; May 15.
- Foss, Guy M., et al. (See Frost, Walter E., assignor.)
- Foss, Osten, Minneapolis, Minn. Penholder. 1,953,706; Apr. 3.
- Fossa, Joseph, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for operating upon parts of uppers of shoes. 1,958,536; May 15.
- Foster, Albert C. (See Mittendorf, H. C., and Foster.)
- Foster, Boutwell H., Maplewood, N. J., assignor to Morgan & Wright, Detroit, Mich. Thread testing machine. 1,961,755; June 5.
- Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
- Foster Bros. Manufacturing Company. (See Frank, William E., assignor.)
- Foster Brothers Manufacturing Company. (See Turner, Clark H., assignor.)
- Foster, C. M., et al. (See Grayson, Ralph V., assignor.)
- Foster, Charles E., Letchworth, England. Temperature measuring device. 1,946,155; Feb. 6.
- Foster, Edward J., assignor of one-fourth to S. Smalkin, Baltimore, Md. Variable speed transmission. 1,954,767; Apr. 10.
- Foster, Esty. (See Stevens, H. E., Windham, Albee, and Foster.)
- Foster, Francis B., Milton, Mass. Hygrometer. 1,965,309; July 3.
- Foster, Frank A., and C. H. Armstrong, Battle Creek, Mich., assignors to The Goss Printing Press Co., Chicago, Ill. Casting machine for stereotype plates. 1,957,453; May 8.
- Foster, Fred L., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Radiator mounting. 1,948,706; Feb. 27.
- Foster, George S., Wandsworth, England. Electric mincer. 1,951,826; Mar. 20.
- Foster, Guy C., Tenafly, N. J., assignor to En-Tout-Cas Company (Syston) Limited, Syston, England. Tennis court. 1,958,850; May 15.
- Foster, Harry C., Cranston, R. I. Vanity case. 1,973,433; Sept. 11.
- Foster, Henry W., Pine Bluff, Ark. Syringe case. 1,965,800; July 10.
- Foster, J. Arthur. (See Ulm, Nathan L., assignor.)
- Foster, John F. (See Smith, G. A., and Foster.)
- Foster, John P., Paia, Hawaii. Purifying sugar juices. 1,954,566; Apr. 10.
- Foster, Julius E., Pittsburgh, Pa., assignor to Radio Corporation of America. Thermionic system. 1,976,391; Oct. 9.
- Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens testing instrument. 1,984,123; Dec. 11.
- Foster, Leslie D., Humeston, Iowa. Price indicator. 1,965,545; July 3.
- Foster-Lotham Mills. (See Loper, Carlton F., assignor.)
- Foster Machine Company. (See McKean, John O., assignor.)
- Foster, Orville H., jr., et al., administrators. (See Koestlin, Herman F., assignor.)
- Foster, Reuben, and S. K. Waldorf, Baltimore, Md. Luminescent electrical discharge device. 1,969,642; Aug. 7.
- Foster, Theodore W., & Bro. Co. (See Parkin, Winfred T., assignor.)
- Foster, Thomas, Winton, Wyo., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding heads for reciprocating or jiggling conveyers. 1,970,297; Aug. 14.
- Foster, Thomas J., Ridgewood, N. J. Building construction. 1,964,728; July 3.
- Foster, Tony E., assignor to Herff Jones Company, Indianapolis, Ind. Making a finger ring. 1,947,254; Feb. 13.
- Foster-Vernay Corporation. (See Derby, Norman L., assignor.)
- Foster-Vernay Corporation. (See Vernet, Sergius, assignor.)
- Foster, Verne C. (See Moore, J. W., and Foster.)
- Foster, Warren D. (See Laug, J. P., and Foster.)
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, New York, N. Y. Photographic apparatus. 1,943,303; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, New York, N. Y. Film-handling apparatus. 1,943,304; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, New York, N. Y. Film handling apparatus. 1,943,305; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, New York, N. Y. Film handling apparatus. 1,944,025; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation. Control mechanism. 1,944,026; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation. Film-handling apparatus. 1,944,027; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation. Film-handling apparatus. 1,944,028; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation. Film-handling apparatus. 1,944,029; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, New York, N. Y. Magazine for feeding material. 1,975,782; Oct. 9.
- Foster, Warren D., Washington Township, Bergen County, N. J., and E. L. Parmelee, Pittsburgh, Pa., assignors to Kinatome Patents Corporation, New York, N. Y. Photographic apparatus. 1,944,024; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., and F. D. Sweet, New York, N. Y., assignors to Kinatome Patents Corporation. Control for film-handling apparatus. 1,944,030; Jan. 16.
- Foster, Warren D., Washington Township, Bergen County, N. J., and F. D. Sweet, assignors to Kinatome Patents Corporation, New York, N. Y. Film handling apparatus. 1,954,808; Apr. 17.
- Foster Wheeler Corporation. (See Dean, Dion K., assignor.)
- Foster Wheeler Corporation. (See Frisch, Martin, assignor.)
- Foster Wheeler Corporation. (See Kennan, Walter F., jr., assignor.)
- Foster Wheeler Corporation. (See Keenan, W. F., jr., and Hardie, assignors.)
- Foster Wheeler Corporation. (See Lundgren, Edwin, assignor.)
- Foster Wheeler Corporation. (See Primrose, John, assignor.)
- Foster Wheeler Corporation. (See Sengstaken, John H., assignor.)
- Foster Wheeler Corporation. (See Wallis, John S., assignor.)
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Coiled spring structure. 1,943,067; Jan. 9.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Butt joint construction. 1,970,422; Aug. 14.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Spring cushion construction. 1,972,397; Sept. 4.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Spring filled mattress or cushion. 1,974,044; Sept. 18.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Double bed couch. 1,976,443; Oct. 9.
- Foster, William H. (See Dudley, Ira L., assignor.)
- Foster, William S., Dallas, Wis. Weed destroyer. 1,961,482; June 5.
- Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
- Fostoria Glass Company. (See Sakier, George, assignor.)
- Fotakis, John, Washington, D. C. Combination rear view mirror set for automobiles. 1,964,626; June 26.
- Fothergill, Robert E., and F. C. Hahn, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Esterification of cellulose and cellulosic material. 1,945,310; Jan. 30.
- Föttinger, Hermann, Berlin-Wilmersdorf, Germany. Filling device for hydraulic gears. 1,975,505; Oct. 2.
- Fouza, François, Paris, France. Measuring and distributing apparatus for alimentary liquids or others, and more particularly for milk. 1,957,881; May 8.
- Fougnier, Nicolay K., New York, N. Y. Cigarette rolling device. 1,980,989; Nov. 20.

- Fould, Maurice P., assignor to Societe Anonyme des Hauts-Fourneaux, Forges & Acieries de Pompey, Paris, France. Corrosion-resisting ferrous alloy adapted for forging and casting purposes. 1,977,182; Oct. 16.
- Foulder, Henry B., Glenbrook, Conn. Tying and sealing means and method. 1,955,627; Apr. 17.
- Foulds, Vena L., et al, executrices. (See Saal, Henry G.)
- Foulk, Albert C., Dayton, Ohio. Landing tutor. 1,949,414; Mar. 6.
- Foulk, Albert C., Riverside, Calif. Tow target releasing device. 1,971,340; Aug. 28.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Apparatus for and method of manufacturing electric discharge devices. 1,951,142; Mar. 13.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device. 1,951,143; Mar. 13.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electron discharge device and making the same. 1,965,581; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device. 1,965,582; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device. 1,965,583; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device. 1,965,584; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric gaseous discharge device. 1,965,585; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device. 1,965,586; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device and making the same. 1,965,587; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device and producing the same. 1,965,588; July 10.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device and making the same. 1,965,589; July 10.
- Found, Clifton G., Schenectady, N. Y., assignor to General Electric Company. Gaseous discharge device. 1,971,907; Aug. 28.
- Found, Clifton G., Schenectady, N. Y., assignor to General Electric Company. Apparatus for starting and regulating electric discharge lamps. 1,975,571; Oct. 2.
- Found, Clifton G., and W. F. Westendorp, Schenectady, N. Y., assignors to General Electric Company. Positive column discharge device. 1,958,239; May 8.
- Foundry Equipment Company, The. (See Barnett, C. A., and Steindorf, assignors.)
- Foundry Equipment Company, The. (See Briggs, Harry, assignor.)
- Fourness, Charles A., assignor to Paper Patents Company, Neenah, Wis. Paper winder. 1,949,997; Mar. 6.
- Fourness, Charles A., Appleton, assignor to Paper Patents Company, Neenah, Wis. Winder for sheet material. 1,959,418; May 22.
- Fourness Development Corporation, Ltd. (See Fourness, Wilfred, assignor.)
- Fourness, Wilfred, Oakland, Calif., assignor to The Fourness Development Corporation, Ltd., New York, N. Y. Condenser system for mechanical refrigeration. 1,943,759; Jan. 16.
- Fourness, Wilfred, Oakland, Calif., assignor to Fourness Development Corporation, Ltd., New York, N. Y. Compressor. 1,973,949; Sept. 18.
- Fournier, Edmond E., Shrewsbury, assignor to Howard Bros. Mfg. Co., Worcester, Mass. Card setting machine. 1,965,493; July 3.
- Fournier, Emanuel J., assignor to Production Engineering Company, Detroit, Mich. Milling machine. 1,945,146; Jan. 30.
- Fournier, Joseph B., St.-Mande, France. Gauge tube. 1,984,734; Dec. 18.
- Four Wheel Drive Auto Company. (See Donley, Bartrum G., assignor.)
- Foust, Clifford M., Schenectady, N. Y., assignor to General Electric Company. Method of and instrument for measuring surge currents. 1,942,384; Jan. 2.
- Foust, Clifford M., and H. P. Kuehni, Schenectady, N. Y., assignors to General Electric Company. Method of and instrument for measuring surge currents. 1,942,052; Jan. 2.
- Fowle, Irving H., Dorchester, Mass. Display box. Des. 93,209; Sept. 4.
- Fowle, John L., Company. (See Fowle, W. H., and Ickes, assignors.)
- Fowle, Walter H., Woburn, Mass., and E. T. Ickes, Pittsburgh, Pa., assignors to John L. Fowle Company, Woburn, Mass. Traveling knife. 1,953,932; Apr. 10.
- Fowler, Alfred B., deceased; M. F. Fowler, Beverly, Mass., administratrix, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,967,612; July 24.
- Fowler, Arno W., Highland, Ill. Motor control mechanism for electric clocks. 1,960,533; May 29.
- Fowler, Arno W., Highland, Ill. Clock. 1,969,975; Aug. 14.
- Fowler, Arno W., Effingham, Ill. Clock. 1,965,141; July 3.
- Fowler, Carl H. (See Wildman, Harry G., assignor.)
- Fowler, Clarence B., Queens Village, and J. W. Gooderham, Larchmont, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange systems. 1,953,474; Apr. 3.
- Fowler, Elnathan A., York, Pa., assignor to The Floorola Corporation, Baltimore, Md. Floor polishing machine. 1,964,318; June 26.
- Fowler, Frank E., Athens, Ga. Needle weaving attachment for looms. 1,968,755; July 31.
- Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Shoe sole. Des. 94,079; Dec. 18.
- Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Shoe sole. Des. 94,080; Dec. 18.
- Fowler, Fred D., Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for producing embossed articles from plastic strip material. 1,942,398; Jan. 9.
- Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Apparatus for cutting lengths from a traveling web. 1,958,137; May 8.
- Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Apparatus for treating rubber slabs. 1,969,127; Aug. 7.
- Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Forming articles of rubber material. 1,974,209; Sept. 18.
- Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Fabric smoothing and guiding device. 1,974,210; Sept. 18.
- Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Web delivery apparatus. 1,977,720; Oct. 23.
- Fowler, Fred D., Newton, and H. L. Davis, Walpole, assignors to Hood Rubber Company, Inc., Watertown, Mass. Apparatus for cutting strip material. 1,958,138; May 8.
- Fowler, Frederick E., Detroit, Mich., assignor to F. W. Stewart Manufacturing Company. Key cutting machine. 1,948,260; Feb. 20.
- Fowler, George R., Marion, and S. O. Denton, West Frankfort, Ill. Window screen for automobiles. 1,973,166; Sept. 11.
- Fowler, George W., Carbondale, Pa., assignor to Hendrick Manufacturing Company. Grille or the like. Des. 91,266; Jan. 2.
- Fowler, Joseph B., Philadelphia, Pa., G. H. Gibson, Upper Montclair, N. J., and V. A. Rohlin, assignors to Cochran Corporation, Philadelphia, Pa. Method of and apparatus for handling heating system returns. 1,966,791; July 17.
- Fowler, Joseph E., Worcester Mass. Liquid level regulator. 1,945,429; Jan. 30.
- Fowler, Mary F., administratrix. (See Fowler, Alfred B.)
- Fowler, Neil A. (See Sharp, O. W., and Fowler.)
- Fowler, Neil A., Oak Park, assignor to General Box Company, Chicago, Ill. Securing covers to containers. 1,979,376; Nov. 6.
- Fowzer, Frank B., Kilgore, Tex. Cutting and milling tools. 1,962,641; June 12.
- Fox, A. G., et al. (See Read, Earle S., assignor.)
- Fox, Albert S., New Castle, and F. Rape, Edenburg, Pa., assignors to Burton Explosives, Inc., Cleveland, Ohio. Explosive. 1,979,681; Nov. 6.
- Fox, Alexander P. (See Barks, F. S., and Fox.)
- Fox, Alexander P., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 1,963,783; June 19.
- Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 1,971,555; Aug. 28.
- Fox, Alexander P., University City, and W. Z. Linders, Normandy, assignors to Lincoln Engineering Company, St. Louis, Mo. Coupler. 1,959,529; May 22.
- Fox, Alexander P., University City, and W. S. Boehm, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating pump. 1,971,778; Aug. 28.
- Fox, Austen P., New York, N. Y. Container with closure cap. 1,967,930; July 24.
- Fox, Austen P., New York, N. Y. Container closure. 1,967,931; July 24.
- Fox Automotive Products Corporation. (See Henke, Frederick W., Jr., assignor.)
- Fox, Brenner B., assignor of one-third to H. Bever, San Antonio, Tex. Check for steering mechanism. 1,946,156; Feb. 6.
- Fox, Carl B., Tulsa, Okla., assignor of one-fourth to G. X. Frey, Santa Fe, N. Mex. Pendulous juniperus scopulorum. Pl. Pt. 89; Mar. 13.
- Fox, Cecil M., assignor to A. L. McAfee, Toledo, Ohio. Sound-receiving and transmitting system. 1,975,932; Oct. 9.
- Fox, Charles H., assignor to The Ahrens-Fox Fire Engine Company, Cincinnati, Ohio. Testing apparatus for pumps. 1,958,698; May 15.
- Fox, Christian A., Trenton, N. J. Caster attachment for sleds. 1,947,154; Feb. 13.
- Fox Company. (See Sadler, E. W., Pierce, and Mortensen, assignors.)

- Fox, David A. (See White, A. H., and Fox.)
 Fox, Denis L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Nitrogen base and making same. 1,965,828; July 10.
 Fox, Edgar N., assignor to The Garlock Packing Company, Palmyra, N. Y. Sectional machinery packing. 1,967,573; July 24.
 Fox Edge Co. Inc., The. (See Fox, Harry, assignor.)
 Fox, Frederick L., Washington, D. C., and F. C. Gibson, Fairfax, Va. Golf game. 1,957,331; May 1.
 Fox, Gordon, and A. J. Whitcomb, assignors to Freyn Engineering Company, Chicago, Ill. Stock indicator. 1,959,025; May 15.
 Fox, Gordon, and A. J. Whitcomb, assignors to Freyn Engineering Company, Chicago, Ill. Tuyère. 1,969,693; Aug. 7.
 Fox, Harry, assignor to The Fox Edge Co. Inc., Lowell, Mass. Machine for making upholstery edges. 1,964,981; July 3.
 Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass rolling apparatus. 1,946,397; Feb. 6.
 Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Adjustable lip for glass melting tanks. 1,984,923; Dec. 18.
 Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making insulating glass. 1,984,924; Dec. 18.
 Fox, Matthew, New York, N. Y. Finger-ring lipstick. 1,952,203; Mar. 27.
 Fox, William A. (See Donovan, G. L., and Fox.)
 Fox, William L., assignor to Polan, Katz & Company, Baltimore, Md. Latching structure. 1,952,980; Mar. 27.
 Foxboro Company, The. (See Lewis, S. R., Spink, and Hagerman, assignors.)
 Foxboro Company, The. (See Mason, Cleson E., assignor.)
 Foxboro Company, The. (See Reynolds, I. W., and Beal, assignors.)
 Foxboro Company, The. (See Wilson, C. H., and Brown, assignors.)
 Foy, Lillian W., Egypt, Ga. Thermo container. 1,984,261; Dec. 11.
 Foy, Patrick, Chicago, Ill. Electric switch. 1,984,124; Dec. 11.
 Fraas, Foster. (See Partridge, E. P., and Fraas.)
 Fractional Retort, Inc. (See McKinnon, John A., assignor.)
 Fradenburgh, John. (See Kellogg, W. D., Fradenburgh, and Dube.)
 Fradette, Donald F., Cleveland, Ohio. Shingle. 1,957,826; May 8.
 Fradkin, Samuel, Lewiston, Maine. Shoe. Des. 93,606; Oct. 16.
 Fradkin, Samuel, Lewiston, Maine. Shoe. Des. 93,607; Oct. 16.
 Fradkin, Samuel, Lewiston, Maine. Shoe. Des. 93,608; Oct. 16.
 Fradkin, Samuel, Lewiston, Maine. Shoe. Des. 93,609; Oct. 16.
 Fradkin, Samuel, Lewiston, Maine. Shoe. Des. 93,610; Oct. 16.
 Fradkin, Samuel, Lewiston, Maine. Shoe. Des. 93,611; Oct. 16.
 Fradkin, Samuel, Lewiston, Maine. Shoe. Des. 93,612; Oct. 16.
 Fraher, Edward F. and T. F. Weymouth, Mass. Making shoe patterns. 1,975,655; Oct. 2.
 Fraher, Thomas F. (See Fraher, Edward F. and T. F.)
 Frahm, Carl J., Mount Carroll, and J. F. Spear, Rockford, Ill. Reversible receptacle for soda fountain refrigerators. 1,973,202; Sept. 11.
 Frahm, Nelson A., Bloomfield, N. J. Closure for tubular paste and other containers. 1,984,872; Dec. 18.
 Fraim, Samuel R., Lancaster, Pa. Padlock. 1,942,328; Jan. 2.
 Fraim, Samuel R., Lancaster, Pa. Night latch cylinder. 1,947,386; Feb. 13.
 Fraime, Samuel A. (See Stricklen, J. R., and Fraime.)
 Fraizer, Frank L. (See Scott, J. G., and Fraizer.)
 Fraley, Louis, assignor of one-tenth to R. A. Pulliam, Cooper, Okla. Hose connection. 1,941,856; Jan. 2.
 Frame, Augustus J., assignor to Franklin Oil Heating, Inc., Columbus, Ohio. Electric pilot for hydrocarbon fuel burners. 1,984,572; Dec. 18.
 Frame, Augustus J., assignor to Franklin Oil Heating, Inc., Columbus, Ohio. Oil pilot for hydrocarbon burners. 1,984,573; Dec. 18.
 Frame, Hector D., Owens, W. Va. Curtain rod holder. 1,956,501; Apr. 24.
 Frampton, William L., Lincoln, Nebr. Power transmission device. 1,983,901; Dec. 11.
 France, Alexander L., Albany, N. Y. Window. 1,970,298; Aug. 14.
 France, Laurel E. (See Kinzie, P. A., Savage, and France.)
 Franceway, James A. (See Davis, C. H. B., and Franceway.)
 Franchi, Aldo M. (See Albert, Joseph A., assignor.)
 Francis, Carl A., Cleveland, Ohio. Animated silhouette picture and making same. 1,969,551; Aug. 7.
 Francis, Charles B., Pittsburgh, Pa. Molten metal sampling. 1,979,737; Nov. 6.
 Francis, Chester M., Lees Summit, Mo. Recirculation control for kilns and furnaces. 1,973,978; Sept. 18.
 Francis, Daniel R. (See Ellis, A. L., and Francis.)
 Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. System and apparatus for handling material. 1,975,204; Oct. 2.
 Francis, Harry G., Rushville, Ind. Clamp. 1,981,499; Nov. 20.
 Francis, Lynn M., assignor to Mechanical Handling Systems Incorporated, Detroit, Mich. Wheeled vehicle. 1,962,497; June 12.
 Francis, Lynn M., assignor to Mechanical Handling Systems, Incorporated, Detroit, Mich. System for loading and unloading trailers from railroad cars. 1,968,196; July 31.
 Francis, Lynn M., and E. W. Jeffers, Detroit, and W. A. Fader, Birmingham, assignors, by mesne assignments, to Whitehead and Kales Company, Detroit, Mich. Semi-trailer. 1,949,156; Feb. 27.
 Francis, Oliver T., San Diego, Calif. Transmission system. 1,968,678; July 31.
 Francis, Oliver T., San Diego, Calif. Light control device. 1,976,120; Oct. 9.
 Francis, Parker B., Kansas City, Mo. Valve handle cap. Des. 93,009; Aug. 14.
 Francis, Paul R., Los Angeles, Calif. Jaw crusher. 1,954,288; Apr. 10.
 Francis, Samuel, et al. (See Howell, David, assignor.)
 Francis, Thomas J. (See Horton, W. J., and Francis.)
 Francis, Victor J., Wembley, and J. W. Ryde, London, England, assignors to General Electric Company. Luminous electric discharge tube. 1,948,261; Feb. 20.
 Francis, Willard H., assignor to G. L. Strehke, Los Angeles, Calif. Game scoring device. Des. 92,459; June 12.
 Francisco Auto Heater Company. (See Acton, Frank, assignor.)
 Franck, Clarence C., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid pressure governing mechanism. 1,947,128; Feb. 13.
 Franck, Ernest W. (See Prescott, J. O., and Franck.)
 Franck, Hans H., Berlin, Germany. Preparation of metal cyanamids or mixtures containing the same. 1,948,106; Feb. 20.
 Franco, Nicholas, Brooklyn, N. Y. Electric bell. 1,958,964; May 15.
 Francois Cementation Company Limited, The. (See Gee, A., assignor, and Neelands.)
 Frandi, Antonio E., Mexico, Mexico. Safety razor. 1,943,173; Jan. 9.
 Frank, Albert R. (See Ipatiev, W. N., Caro, and Frank.)
 Frank, Ernst. (See Breitschädel, Franz, assignor.)
 Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,957,636; May 8.
 Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,957,637; May 8.
 Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,961,848; June 5.
 Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,964,148; June 26.
 Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel. 1,967,401; July 24.
 Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind. Wheel. 1,971,604; Aug. 28.
 Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind. Wheel. 1,974,534; Sept. 25.
 Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind. Wheel. 1,981,953; Nov. 27.
 Frank, Fritz, assignor to the firms Hanseatische Mühlenwerke Aktiengesellschaft, Hamburg, and Polyphonwerke Aktiengesellschaft, Berlin, Germany. Sound record composition and making. 1,977,940; Oct. 23.
 Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Panel board equipped for testing. 1,950,486; Mar. 13.
 Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Connector. 1,954,587; Apr. 10.
 Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Fuse block. 1,965,410; July 3.
 Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Panel board of the dead front convertible type. 1,974,452; Sept. 25.
 Frank, Harrison J. L., Highland Park, assignor to Bulldog Electric Products Company, Detroit, Mich. Switch block. 1,953,343; Apr. 3.
 Frank, Harrison J. L. and W. H., assignors to Bulldog Electric Products Company, Detroit, Mich. Ball bearing switch and switchboard construction. 1,956,439; Apr. 24.
 Frank, Harrison J. L., J. A. Messing, and W. A. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Operating mechanism for switches. 1,973,618; Sept. 11.
 Frank, Harrison J. L., and C. T. Hollingsworth, assignors to Bulldog Electric Products Company, Detroit, Mich. Lighting panel and unit therefor. 1,974,154; Sept. 18.
 Frank, John J., Pittsfield, Mass., assignor to General Electric Company. Encased electrical apparatus with external heat radiator and making the same. 1,947,196; Feb. 13.
 Frank, John M., Winnetka, assignor to Ilg Electric Ventilating Company, Chicago, Ill. Air volume regulator. 1,956,829; May 1.
 Frank, Leo M. (See Oxley, W. J., and Frank.)

- Frank, Leonhard, Berlin-Wilmersdorf, Germany, assignor to Generaldirektion der Österreichischen Tabak-Regie, Vienna, Austria. Preparing tobacco free from nicotine. 1,949,012; Feb. 27.
- Frank, Louis C., assignor, by mesne assignments, to Trackson Company, Milwaukee, Wis. Bucket return for material and article handling machine. 1,973,950; Sept. 18.
- Frank, Otto H., Brooklyn, N. Y. Switch box. 1,983,449; Dec. 4.
- Frank, Pardee H., assignor to The Timken Roller Bearing Company, Canton Ohio. Roller bearing. 1,972,140; Sept. 4.
- Frank, Paul, Scheveningen, Netherlands. Apparatus for treatment of the body with sprayed applications and the like. 1,982,508; Nov. 27.
- Frank, Paul, Scheveningen, Netherlands. Apparatus for applying treatment media to the living body. 1,982,509; Nov. 27.
- Frank, Paul A. (See Shook, Florain J., assignor.)
- Frank, Paul A. R., Hamburg, Germany. Pump for granular paste-like material such as concrete. 1,977,941; Oct. 23.
- Frank, Raymond H. (See Gregg, A. W., and Frank.)
- Frank, W. H., assignor to Bulldog Electric Products Company, Detroit, Mich. Swing plug for use with a bus duct run. Des. 92,168; May 8.
- Frank, Walter, Milwaukee, Wis. Bacon sausage. 1,976,165; Oct. 9.
- Frank, Walter H., and T. Carroll, Washington, D. C. Wind direction and velocity indicator for airplane landing fields. 1,960,735; May 29.
- Frank, William E., Willow Grove, Pa., assignor, by mesne assignments, to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston expander. 1,942,960; Jan. 9.
- Frank, William E., assignor to Foster Bros. Manufacturing Company, St. Louis, Mo. Folding couch or davenport. 1,945,186; Jan. 30.
- Frank, William H. (See Frank, Harrison J. L. and W. H.)
- Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Plate for supporting bus bars in a bus duct system. Des. 92,244; May 15.
- Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Plug for use with a bus duct run. Des. 92,530; June 19.
- Frank, William H. 2d, and J. A. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 1,952,039; Mar. 20.
- Frank, William H., and J. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 1,952,040; Mar. 20.
- Frank, William H., and J. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 1,954,588; Apr. 10.
- Frank, William H., and J. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 1,982,289; Nov. 27.
- Frankart, Inc. (See Underberg, Henry, assignor.)
- Frankel, Alfred, assignor to Maschinenfabrik vorm. Georg Dorst A. G., Oberlind-Sonneberg, Germany. Driving device for the charging slide in friction wheel spindle presses. 1,953,218; Apr. 3.
- Frankel, Arthur H., Manitowoc, Wis. Necktie. 1,949,606; Mar. 6.
- Frankel, Arthur H., Manitowoc, Wis. Metal binding strip. 1,950,979; Mar. 13.
- Frankel, Arthur H., Manitowoc, Wis. Keycase. 1,955,456; Apr. 17.
- Frankel, August J., Harrison, N. J., assignor to Radio Corporation of America. Grid making machine. 1,970,599; Aug. 21.
- Frankel, Clarence S., assignor to American Furnace Company, St. Louis, Mo. Heater. 1,943,596; Jan. 16.
- Frankel, Emil, assignor to Chemische Fabrik Grunau Landshoff & Meyer Aktiengesellschaft, Grunau-Berlin, Germany. Manufacture of boric acid. 1,944,598; Jan. 28.
- Frankel, Emil, assignor to Chemische Fabrik Grunau Landshoff & Meyer Aktiengesellschaft, Grunau-Berlin, Germany. Manufacture of boric acid from sodium tetraborate. 1,950,106; Mar. 6.
- Frankel, Heinrich, assignor to C. H. F. Müller Aktiengesellschaft, Hamburg, Germany. Apparatus for developing light-sensitive layers. 1,959,233; May 15.
- Frankel, Heinrich, Hamburg-Altona, assignor to C. H. F. Müller Aktiengesellschaft, Hamburg, Germany. Method of and system for taking X-ray photographs. 1,978,745; Oct. 30.
- Frankel, James W., and L. Palmiotto, Chicago, Ill. Vehicle locking device. 1,967,998; July 24.
- Frankel, Edward M., New York, N. Y. Air conditioning method and apparatus. 1,970,301; Aug. 14.
- Frankel, Fanny E. (See Hoyer, Frederic J., assignor.)
- Frankel, Sidney. (See May, Louis B., assignor.)
- Frankford, Frank P., Ridgefield Park, N. J. Cash fare box. 1,976,550; Oct. 9.
- Frankfort Distillery, The. (See Miller, Samuel C., assignor.)
- Frankforter Oil Process, Inc. (See Mapes, Dwight B., assignor.)
- Frankfurter, Paul, Berlin, Germany. Double stand-up collar. 1,975,205; Oct. 2.
- Frankignoul, Edgard, and L. de la V. Poussin, Brussels; said Frankignoul assignor to Compagnie Internationale des Pieux Armes Frankignoul, Société Anonyme, Liege, Belgium. Pressure regulator for work under compressed air. 1,949,959; Mar. 6.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Metallic filling for cold accumulators. Re19,140; Apr. 17.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Separating gas mixtures. 1,945,634; Feb. 6.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Resolution of gas mixtures. 1,963,840; June 19.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Co-current evaporator with counter-current condensation for fractional liquefaction. 1,963,841; June 19.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Low pressure process for separating low boiling gas mixtures. 1,970,299; Aug. 14.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Operation of the vaporizers of air resolution plants. 1,970,300; Aug. 14.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Process and apparatus for the separation of gaseous mixtures. 1,974,065; Sept. 18.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Operating smelting furnaces. 1,974,772; Sept. 25.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Separating vapors from gaseous mixtures. 1,979,682; Nov. 6.
- Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Production of iron and Portland cement in a blast furnace. 1,984,793; Dec. 18.
- Franklin, Albert W., New York, and C. Lancer, Woodhaven, N. Y. Outlet fixture. 1,965,178; July 3.
- Franklin, Benjamin. (See Scheineman, F. W., and Franklin.)
- Franklin, Benjamin A., Springfield, Mass. Finishing apparatus. 1,952,064; Mar. 27.
- Franklin, Bernard S. (See Nelson, H. J., and Franklin.)
- Franklin, Bernard S., New York, N. Y., assignor to Voices, Incorporated, Newark, N. J. Phonograph. 1,979,067; Oct. 30.
- Franklin, Charles L., Brooklyn, N. Y. Window. 1,975,933; Oct. 9.
- Franklin, Charles S. (See Marconi, G., and Franklin.)
- Franklin, Charles S., Hollywood, Calif., assignor to General Electric Company. Telemetric system. 1,947,256; Feb. 13.
- Franklin, Charles S., Strand, London, England, assignor to Radio Corporation of America. High frequency feeder and the like for use with radio aerial systems. 1,958,991; May 15.
- Franklin, Charles S., Buckhurst Hill, and A. W. Whistler, London, England, assignors to Radio Corporation of America. Preventing interference. 1,946,680; Feb. 13.
- Franklin, Charles S., St. Michaels, and E. Green, Hendon, London, England, assignors to Radio Corporation of America. Arrangement for amplifying electrical oscillations. 1,954,589; Apr. 10.
- Franklin, Charles S., Strand, London, and E. Green, Hendon, London, England, assignors to Radio Corporation of America. Antenna. 1,957,949; May 8.
- Franklin, Gustav K. (See Underwood, Harold B., assignor.)
- Franklin, James T., administrator. (See Granbery, Dee T.)
- Franklin, Lawrence W. (See Maus, F. J., and Franklin.)
- Franklin, Lester K., Chicago, Ill. Radiator cap. Des. 91,389; Jan. 23.
- Franklin, Lester K., Chicago, Ill. Closure for tanks, radiators, and the like. 1,943,010; Jan. 9.
- Franklin Machine Company. (See Wilson, Ezekiel J., assignor.)
- Franklin Oil Heating, Inc. (See Frame, Augustus J., assignor.)
- Franklin Oil Heating Inc. (See Gambell, Carlos H., assignor.)
- Franklin Railway Supply Company. (See Ball, Herman F., assignor.)
- Franklin Railway Supply Company. (See Caldwell, E. D., and Wilbur, assignors.)
- Franklin Railway Supply Company. (See Folke, Bengt E., assignor.)
- Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)
- Franklin Railway Supply Company. (See Titus, Hubert J., assignor.)
- Franklin Railway Supply Company. (See Titus, H. J., and Wallis, assignors.)
- Franklin Railway Supply Company. (See Zouck, George H., assignor.)
- Franklin, Raymond F., Scotia, N. Y., assignor to General Electric Company. Commutating arrangement for dynamotors. 1,950,170; Mar. 6.
- Franklin, Raymond F., Scotia, N. Y., assignor to General Electric Company. Control of power transferring apparatus. 1,961,039; May 29.

- Franklin Simon & Co. Inc. (See Woolfe, William S., assignor.)
- Franklin Valveless Engine Company. (See Crossen, Edgar H., assignor.)
- Franklin-Williams, Inc. (See Brooks, Shirley V., assignor.)
- Franklin-Williams, Inc. (See Franzen, E. T., and Weiss, assignors.)
- Franks, Christopher J. (See Loughlin, W. D., and Franks.)
- Franks, Christopher J., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Tuned oscillatory circuits. 1,943,790; Jan. 16.
- Franks, Clem H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coil winding machine. 1,966,494; July 17.
- Franks, Ernest A., Whitchurch, Wales. Liquid fuel burner or injector. 1,960,736; May 29.
- Franks, Russell. (See Becket, F. M., and Franks.)
- Franks, Wilbur R., Toronto, Ontario, Canada. Cleaning air in enclosed spaces. 1,982,470; Nov. 27.
- Franzen, Frank J., Rock Island, Ill., assignor to Bee Line Manufacturing Company, Davenport, Iowa. Axle bending equipment. 1,944,862; Jan. 23.
- Frantz, Clarence G., Cleveland Heights, Ohio. Refrigerator cabinet. Des. 91,424; Jan. 30.
- Frantz, Clarence G., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Suction cleaner casing. Des. 91,864; Apr. 3.
- Frantz, Clarence G., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Vacuum cleaner. Des. 91,865; Apr. 3.
- Frantz, Ezra A., Weatherford, Tex. Bale-tie buckle. 1,961,040; May 29.
- Frantz, Glen H., Toledo, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Sulphur burner. 1,949,933; Mar. 6.
- Frantz, John R., Wauwatosa, assignor to Le Roi Company, West Allis, Wis. Air compressor engine. 1,970,371; Aug. 14.
- Frantz Manufacturing Co. (See Ferris, William D., assignor.)
- Frantz, Walter A., Cleveland Heights, and A. W. Seyfried, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Centrifugal device. 1,983,661; Dec. 11.
- Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Power transmitting mechanism. 1,960,004; May 22.
- Franz, Ferdinand, Yonkers, N. Y., assignor to H & D Folsom Arms Company, New York, N. Y. Quick release pistol holster. 1,951,865; Mar. 20.
- Franzen, Eric T., Maplewood Township, Essex County, and A. J. Weiss, West Orange, assignors to Franklin-Williams, Inc., Orange, N. J. Bottle capping machine. 1,949,960; Mar. 6.
- Franzen, Hans, Mannheim, and G. Kunze, Oppau, Germany. Recovery of fatty acids. 1,977,983; Oct. 23.
- Franzen, Hans, Mannheim, H. Beller, Ludwigshafen-on-the-Rhine, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of organic acids. 1,943,427; Jan. 16.
- Franzen, Karl A., Wald, Germany. Portfolio lock. 1,968,756; July 31.
- Franzen, Nicklas, Long Beach, Calif., assignor to Mississippi Glass Company, New York, N. Y. Sheet glass manufacture. 1,956,860; May 1.
- Frappler, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Film gate for motion-picture-projection machines. 1,941,676; Jan. 2.
- Frappler, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Support and housing for photo-electric cells. 1,946,681; Feb. 13.
- Frappler, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Shutter mechanism for motion picture projection machines. 1,949,464; Mar. 6.
- Frappler, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Pad roller mounting. 1,957,164; May 1.
- Frappler, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Motion picture projection machine. 1,958,475; May 15.
- Fraps, Richard M., Chicago, Ill. Apparatus for intercepting heat from light. 1,974,739; Sept. 25.
- Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Refrigerating unit. 1,964,795; July 3.
- Frase, Elmer R., Chicago, Ill. Game board. Des. 91,353; Jan. 16.
- Fraser, Allan, Philadelphia, Pa. Adapter for trays and the like. 1,951,972; Mar. 20.
- Fraser, Archibald. (See Campbell, James, assignor.)
- Fraser, Charles E. (See Dysart, A. S., Fraser, and Lind.)
- Fraser, Charles E., Brooklyn, N. Y., assignor to Willson Products Inc., Reading, Pa. Goggles. 1,947,137; Feb. 13.
- Fraser Company, The. (See Fraser, Ethelbert M., assignor.)
- Fraser, Ethelbert M., Yonkers, N. Y. Electromagnetic brake. 1,954,809; Apr. 17.
- Fraser, Ethelbert M., Yonkers, N. Y., assignor to The Fraser Company, Inc., Dover, Del. Power-transmitting system. 1,949,880; Mar. 6.
- Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for sealing laminated glass. 1,953,344; Apr. 3.
- Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing laminated glass. 1,960,580; May 29.
- Fraser Furnace Company. (See Fraser, Richard E., assignor.)
- Fraser, George H., Brooklyn, N. Y. Pulverizer and separator. 1,943,306; Jan. 16.
- Fraser, George H., Brooklyn, N. Y. Pulverizer and separator. 1,967,236; July 24.
- Fraser, Gordon, N., and J., Arbroath, Angus, Scotland. Silver balling machine. 1,960,146; May 22.
- Fraser, Gordon, N., and J., Arbroath, Angus, Scotland. Silver balling machine. 1,985,822; Dec. 25.
- Fraser, Howard S., New York, N. Y., assignor to The Swartwout Company, Cleveland, Ohio. Feed water regulator. 1,949,683; Mar. 6.
- Fraser, Howard S., New York, N. Y., assignor to The Swartwout Company, Cleveland, Ohio. Desuperheater control. 1,969,504; Aug. 7.
- Fraser, James, Hillcrest, Edge Moor, assignor to Speakman Company, Wilmington, Del. Shower bath spray head. 1,958,038; May 8.
- Fraser, James, Edge Moor, assignor to Speakman Company, Wilmington, Del. Lavatory waste conduit system. 1,958,992; May 15.
- Fraser, James, Edge Moor, assignor to Speakman Company, Wilmington, Del. Lavatory valve. 1,970,039; Aug. 14.
- Fraser, James, and D. Campbell, Glasgow, Scotland. Hydraulic power transmitter. 1,942,281; Jan. 2.
- Fraser, John. (See Fraser, Gordon, N., and J.)
- Fraser, John, Brooklyn, N. Y. Spring assembly for vehicle chassis. 1,972,014; Aug. 28.
- Fraser, Noel F., and N. Pearson, Capilano, British Columbia, Canada. Lighting fixture. 1,954,199; Apr. 10.
- Fraser, Norman. (See Fraser, Gordon, N., and J.)
- Fraser, Richard E., assignor to Fraser Furnace Company, Stockton, Calif. Gas furnace. 1,952,009; Mar. 20.
- Fraser, Warren F., Westboro, assignor to Norton Company, Worcester, Mass. Grinding machine. 1,961,849; June 5.
- Fraser, William J., Toronto, Ontario, Canada. Making tires. 1,954,926; Apr. 17.
- Fraser, William J., Toronto, Ontario, Canada. Making tread mold elements. 1,985,341; Dec. 25.
- Fraser, Gordon G., assignor to G. B. Lewis Company, Watertown, Wis. Hive frame. 1,947,706; Feb. 20.
- Fratl, Alfred, Rutherford, N. J., assignor to Titus Blatter & Company, New York, N. Y. Textile fabric or similar article. Des. 91,810; Mar. 27.
- Fratl, Alfred, Rutherford, N. J., assignor to Titus Blatter & Company, New York, N. Y. Textile fabric or similar article. Des. 91,811; Mar. 27.
- Fratl, Alfred, Rutherford, N. J., assignor to Titus Blatter & Company, New York, N. Y. Textile fabric or similar article. Des. 92,127; May 1.
- Frauen, John A., Norfolk, Nebr. Elevating apparatus. 1,973,803; Sept. 18.
- Fray, Peter. (See Richter, W., and Fray.)
- Frayer, Lee A., Ravenna, assignor to R. H. Smith, Kent, Ohio. Screw rolling die and method. 1,946,735; Feb. 13.
- Frayer, Lee A., assignor to R. H. Smith, Kent, Ohio. Machine for countersinking nuts. 1,950,939; Mar. 13.
- Frayer, Lee A., assignor to R. H. Smith, Kent, Ohio. Making nuts. 1,981,594; Nov. 20.
- Frayne, John G. (See Brown, E. G., and Frayne.)
- Frayne, John G., Pasadena, and R. R. Scoville, Los Angeles, Calif., assignors to Electrical Research Products, Inc., New York, N. Y. Sound film recording system. 1,951,903; Mar. 20.
- Frazier, Charles H., Columbus, Ohio. Bus. 1,943,472; Jan. 16.
- Frazier, William R., Maplewood, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Electric control for fluid containers. 1,958,660; May 15.
- Frazier, William W., New York, N. Y., assignor to The Linde Air Products Company. Method and apparatus for liquefying and separating gaseous mixtures. 1,968,518; July 31.
- Frazey, Jefferson D., Antonito, Colo. Wader pad. 1,982,510; Nov. 27.
- Frazier, Merton, Sheboygan, assignor of one-half to G. W. Schmitt, Sheboygan, Wis. Theft-preventing lock switch for automobiles. 1,973,619; Sept. 11.
- Frazier, Pearl G., Polk City, Iowa. Combined accelerator and starter operating mechanism. 1,947,766; Feb. 20.
- Frazier, Philip A., Oak Park, Ill. Bookbinding without stitches. 1,973,375; Sept. 11.
- Frazier, Philip A., Oak Park, Ill. Stitchless book. 1,976,845; Oct. 16.
- Frazier, Ralph B., Norristown, Pa., assignor to Carbide & Carbon Chemical Corporation. Shoe structure. 1,979,461; Nov. 6.
- Frazier, Robert T., assignor to Tennessee Furniture Corporation, Chattanooga, Tenn. Refrigerator. 1,952,981; Mar. 27.
- Frazier, Seabron S., West Columbia, Tex. Registering machine casing. Des. 93,463; Oct. 2.

- Frech, Theodore W., Shaker Heights, J. T. Fagan, Cleveland Heights, J. F. Donovan, East Cleveland, and E. B. Isaacs, Cleveland Heights, Ohio, assignors to General Electric Company. Flash light device. 1,981,544; Nov. 20.
- Fredd, Leroy N., Pottstown, Pa., assignor to The Kron Co., Bridgeport, Conn. Weighing scale unit. Des. 93,010; Aug. 14.
- Fredenburgh, Mark N., Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Preventing heater-cathode leakage in a radio tube. 1,980,675; Nov. 13.
- Frederich, Donald M. (See Frederick, Otto W. and D. M.).
- Frederich, Otto W. and D. M., Golden, Colo. Revolver. 1,965,637; July 10.
- Frederick, Carl L., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 1,970,933; Aug. 21.
- Frederick, Charles, Columbiana, Ohio. Stiffener for collars. 1,963,519; July 31.
- Frederick, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Catadioptric unit. 1,966,792; July 17.
- Frederick, Halsey A., Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,955,800; Apr. 24.
- Frederick Iron & Steel Company, The. (See Riddell, William A., assignor.)
- Frederick Iron & Steel Company, The. (See Schmidt, John J., assignor.)
- Frederick, Joseph M., assignor of one-half to J. L. Rosenfield, Baltimore, Md. Portable shower spray. 1,955,231; Apr. 17.
- Frederick, Ray O., Tulsa, Okla. Device for feeding sheet material. 1,976,775; Oct. 16.
- Frederick, Roland E., Philadelphia, assignor of one-half to W. E. Hill, Glenside, Pa. Refrigerator case. 1,950,447; Mar. 13.
- Frederick, Tilghman G., Orange, and E. M. Wooden, Leonia, N. J., assignors to J. Thompson, New York, N. Y. Continuous projecting motion picture machine. 1,968,250; July 31.
- Frederickson, Ole, Great Falls, Mont. Sleigh. 1,946,018; Feb. 6.
- Frederics, E., Inc. (See Weinberger, Samuel D., assignor.)
- Fredericks, John, Inc. (See Harburger, John, assignor.)
- Frederiksen, Carl J., assignor to Deere & Company, Moline, Ill. Wagon hitch. 1,980,046; Nov. 6.
- Frederiksen, Frederik M., Skorping, Denmark. Coil coupler for radio receiving apparatus. 1,961,874; June 5.
- Fredrickson, Harold, St. Paul, Minn. Ticket printing mechanism. 1,961,821; June 5.
- Fredrickson, Julius G., Grand Forks, N. Dak. Car coupling. 1,953,676; Apr. 3.
- Fredrickson, Oscar F., Chicago, Ill. Self-adjusting pusher rod. 1,983,127; Dec. 4.
- Free, Karl R., assignor to The Whitney Museum of American Art, New York, N. Y. Assembled picture frame. 1,963,124; June 19.
- Freed, Clarence J., G. M. Baum, and F. S. Patterson, assignors to Youngstown Research Association Incorporated, Youngstown, Ohio. Filter device. 1,984,339; Dec. 11.
- Freed, Meyer L. (See Heineken, W. P., and Freed.)
- Freedland, Jean. (See Antonoff, G., and Freedland.)
- Freedman, Benjamin H., New York, N. Y. Color guide for cosmetics. 1,960,669; May 29.
- Freedman, Harry A. (See Emerson, Lilley W., assignor.)
- Freedman, Harry A., New York, N. Y. Beach chair. 1,985,823; Dec. 25.
- Freedman, Jacob, et al. (See Scheinfeld, Morris, assignor.)
- Freedman, Louis, deceased, St. Louis, Mo.; W. K. Frielingsdorf, administrator. Piston. 1,979,967; Nov. 6.
- Freedman, Paul, London, England. Metallic vapor electrical discharge device. 1,957,255; May 1.
- Freedman, Paul, London, England. Electric arc device. 1,959,419; May 22.
- Freedman, Ruth, New York, N. Y. Garment hanger. 1,973,376; Sept. 11.
- Freedmann, firm Alex. (See Deutsch, Hans, assignor.)
- Freel, Albert B., Owensboro, Ky. Time indicating device. 1,981,997; Nov. 27.
- Freeland, Claude L., Bristow, Okla. Nut lock. 1,967,237; July 24.
- Freeland, Frank J. (See Burch, E. S., and Freeland.)
- Freeland, Frank J., assignor to Round Oak Furnace Company, Dowagiac, Mich. Stove or similar article. Des. 92,068; Apr. 24.
- Freeland, Fred B., assignor to Rudy Furnace Company, Dowagiac, Mich. Hot air furnace. 1,965,179; July 3.
- Freeland, Orville F., Muskegon, Mich., assignor to Anaconda Wire and Cable Company, New York, N. Y. Wire coating machine. 1,945,851; Feb. 6.
- Freeman, Albert E. (See Livermore, W. T., and Freeman.)
- Freeman, Albert E. (See Smith, T. C., Freeman, and Livermore.)
- Freeman, Benjamin W., Cincinnati, Ohio. Shoe ornamenting mechanism. 1,946,935; Feb. 13.
- Freeman, Benjamin W., Cincinnati, Ohio. Cut-out machine. 1,947,387; Feb. 13.
- Freeman, Benjamin W., Cincinnati, Ohio. Shoe ornamenting machine. 1,957,769; May 8.
- Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 1,960,486; May 29.
- Freeman, Benjamin W., Cincinnati, Ohio. Machine for marking shoe uppers. 1,969,505; Aug. 7.
- Freeman, Benjamin W., Cincinnati, Ohio. Cut-out machine. 1,971,647; Aug. 28.
- Freeman, C. W., et al. (See Read, Earle S., assignor.)
- Freeman, Carl L., Canton, Ohio, assignor of one-half to Engineering Research Corporation. Artificial leg. 1,942,053; Jan. 2.
- Freeman, Charles E., Salina, Kans. Decoy anchor. 1,962,188; June 12.
- Freeman, Charles F., University City, assignor to C. Tweedie, Jefferson City, Mo. Machine for attaching soles to shoes. 1,981,694; Nov. 20.
- Freeman-Daughaday Company. (See Allison, James F., assignor.)
- Freeman, Deane M., West Newton, and S. T. Lyon, Melrose, Mass. Candy cutting machine. 1,965,310; July 3.
- Freeman, Harry A. (See Emerson, Lilley W., assignor.)
- Freeman, Henry L., Chicago, Ill. Novelty match package. 1,984,675; Dec. 18.
- Freeman, Hubert M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube for heavy currents. 1,957,422; May 1.
- Freeman, Hubert M., deceased, East Pittsburgh, Pa., by M. F. Reges, Bloomfield, N. J., administrator; said Freeman assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube for heavy currents. 1,957,423; May 1.
- Freeman, Hubert M., East Pittsburgh, and W. G. Wade, New York, N. Y., assignors to Westinghouse Electric and Manufacturing Company. Hot cathode electron discharge tube. 1,985,027; Dec. 18.
- Freeman, John R., jr., Cheshire, and P. H. Kirby, West Cheshire, Conn., assignors, by mesne assignments, to Copper and Brass Research Association, New York, N. Y. Coloring copper and copper alloys. 1,951,304; Mar. 13.
- Freeman, Leonard M., and H. W. Catt, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making hose. 1,974,211; Sept. 18.
- Freeman, Louis G., Company, The. (See Sweyer, Charles L., assignor.)
- Freeman, Lowell C., Detroit, Mich., assignor to Resengin, Inc. Front-end construction for motor vehicles. 1,943,665; Jan. 16.
- Freeman, Newell L., and N. W. Storer, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Automatic torque for gas electric cars. 1,948,752; Feb. 27.
- Freeman, Ralph E., East Longmeadow, assignor to Cheney Bigelow Wire Works, Springfield, Mass. Dandy roll. 1,969,000; Aug. 7.
- Freeman, Walter B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for making belts. 1,969,067; Aug. 7.
- Freeman, Walter B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for supporting annular articles. 1,969,068; Aug. 7.
- Freeman, William A., Los Angeles, Calif. Pipe clamping device. 1,941,889; Jan. 2.
- Freer, Phelps M., Detroit, Mich. Piston. 1,959,023; May 15.
- Freer, Phelps M., Detroit, Mich. Piston. 1,964,568; June 26.
- Freese, Clyde H., Moscow, Union of Socialist Soviet Republics, assignor to General Electric Company. Control system. 1,961,822; June 5.
- Freese, Ira H. (See Brady, H. S., Freese, and Eccleston.)
- Freese, Ira H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Pneumatic glass feeder. 1,959,821; May 22.
- Freese, Ira H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass forming machine. 1,980,047; Nov. 6.
- Freese, James D., assignor of one-half to C. Bacon, Pawhuska, Okla. Fishing lure. 1,982,609; Nov. 27.
- Freestone, Joseph T., Liverpool, England. Sterilization of the atmosphere of rooms or enclosed spaces. 1,977,760; Oct. 23.
- Free use of the Public. Dedicated to. (See Whittaker, C. W., and Lundstrom, assignors.)
- Free use of the Public in the territory of the United States of America. (See Leatherman, Martin, assignor.)
- Free Wheeling Patents Corporation. (See Bushong, Harry E., assignor.)
- Free Wheeling Patents Corporation. (See Fishburn, Otto E., assignor.)
- Free Wheeling Patents Corporation. (See Fishburn, O. E., and Robbins, assignors.)
- Free Wheeling Patents Corporation. (See Hartsock, Guy M., assignor.)
- Free Wheeling Patents Corporation. (See James, William S., assignor.)
- Free Wheeling Patents Corporation. (See Paton, Clyde R., assignor.)
- Free Wheeling Patents Corporation. (See Roos, Delmar G., assignor.)
- Free Wheeling Patents Corporation. (See Roos, D. G., and Churchill, assignors.)
- Free Wheeling Patents Corporation. (See Simpson, J. M., and White, assignors.)

- Free Wheeling Patents Corporation. (See Thompson, William, assignor.)
- Free Wheeling Patents Corporation. (See White, Samuel O., assignor.)
- Free Wheeling Patents Corporation. (See Wishon, Ralph, assignor.)
- Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Fastening device. 1,957,770; May 8.
- Freeze, Jonathan R., Middletown, and R. W. Shartle, Cincinnati, assignors to The American Rolling Mill Company, Middletown, Ohio. Making culverts. 1,984,125; Dec. 11.
- Frei, Elizabeth, Zurich, Switzerland. Foot support. 1,981,100; Nov. 20.
- Frei, Elisabeth, Zurich, Switzerland. Arch support. 1,981,998; Nov. 27.
- Frei, Elisabeth, assignor to the firm Frei & Kasser A.-G., Zurich, Switzerland. Arch and ankle support. 1,974,045; Sept. 18.
- Frei & Kasser A.-G. (See Frei, Elisabeth, assignor.)
- Freiberg, Stanley B., Cincinnati, Ohio. Loose leaf binder. 1,945,970; Feb. 6.
- Freiberg, Stanley B., assignor to The International Visible Systems Corporation, Cincinnati, Ohio. Index device. 1,942,510; Jan. 9.
- Freiberger, Moritz. (See Holtmann, A., and Freiberger.)
- Freiburg, Arnold, assignor to the firm Harburger Ölwerke Brinckman & Mergell, Harburg-Wilhelmsburg, Germany. Removing impurities from oils and fats. 1,964,875; July 3.
- Freitag, Lawrence B., Mount Vernon, assignor to Freitag & Sons, Inc., New York, N. Y. Clasp. 1,965,116; July 3.
- Freitag & Sons, Inc. (See Freitag, Lawrence B., assignor.)
- Frelin, Fritjof, Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Piston. 1,944,708; Jan. 23.
- Frelin, Fritjof, Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 1,981,500; Nov. 20.
- French, Allen J., St. Paul, Minn. Gas stove lighter actuating mechanism. 1,948,210; Feb. 20.
- French, Arthur H., and L. O. Gill, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Plasticizer. 1,985,368; Dec. 25.
- French, August, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Candle dipping apparatus. 1,965,891; July 10.
- French, August, Hammond, and F. M. Rogers, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Decorative candle. 1,964,200; June 26.
- French Battery Company. (See Gunderson, George G., assignor.)
- French, Beatrice C., et al. (See French, Edward R., assignor.)
- French, Charles A., Riverside, Ill. Steam generating system. 1,946,682; Feb. 13.
- French, Charles A., Riverside, Ill. Steam generating system. 1,971,177; Aug. 21.
- French, Charles A., Riverside, Ill. Liquid fuel vaporizer. 1,977,436; Oct. 16.
- French, Damas, assignor to G. French, Drayton, N. Dak. Cutting machine for seed potatoes. 1,954,870; Apr. 17.
- French, Edward R., assignor of one-half to B. C. French, and one-half to R. S. Martin, Philadelphia, Pa. Disinfecting toilet bowls. 1,950,139; Mar. 6.
- French, Frank E. (See Frost, J. E. G., and French.)
- French, George. (See French, Damas, assignor.)
- French, George F., Manchester, England. Ladder web of Venetian blinds. 1,980,048; Nov. 6.
- French & Hecht, Incorporated. (See Einfeldt, Ernest E., assignor.)
- French & Hecht, Incorporated. (See Hecht, J. L., and Einfeldt, assignors.)
- French, Henry A., Charlestown, N. H. Truss. 1,972,080; Sept. 4.
- French, Henry C., Milwaukee, and F. G. Thwaites, Wauwatosa, assignors to The Heil Co., Milwaukee, Wis. Tank truck. Des. 91,930; Apr. 10.
- French, Herbert J., Elizabeth, N. J., and J. W. Sands, Staten Island, assignors to The International Nickel Company, Inc., New York, N. Y. Free scaling and free machining steel. 1,941,547; Jan. 2.
- French, Hobert W., Erie, Pa. Dewatering apparatus. 1,949,998; Mar. 6.
- French, Hobert W., assignor to Hammermill Paper Company, Erie, Pa. Blow pit and operating the same. 1,947,707; Feb. 20.
- French, James W., Annesland, assignor to Barr and Stroud, Limited, Glasgow, Scotland. Antivibration observation station. 1,961,875; June 5.
- French, John P., deceased, Alma, Mich.; F. O. Parker, administrator, assignor of twenty-five per cent to H. S. Babcock, and twenty-five per cent to J. S. Knoertzer, Alma, Mich. Pump driving mechanism. 1,984,735; Dec. 18.
- French, Louis O., Milwaukee, Wis. Electromagnetic valve. 1,969,742; Aug. 14.
- French, Minnie G., Glen Rock, N. J. Device for keeping food hot. 1,961,756; June 5.
- French, Norman R., Pleasantville, N. Y., assignor to American Telephone and Telegraph Company. Optical telephone system. 1,981,999; Nov. 27.
- French Oil Mill Machinery Co., The. (See Stilwell, Charles C., assignor.)
- French, Richard W., Bristol, assignor to Superior Zinc Corporation, Philadelphia, Pa. Producing zinc oxide. 1,944,158; Jan. 23.
- French, Roy B., Superior, W. Va. Mine car check locks and collectors. 1,944,552; Jan. 23.
- French, Roy B., Superior, W. Va. Check holder. 1,953,707; Apr. 3.
- French, Stanley F. (See McCloy, A. S., and French.)
- French, Stanley F., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Tape tensioning means for cable wrapping machines. 1,968,251; July 31.
- French, Stanley F., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Attachment plug. 1,984,181; Dec. 11.
- French, Thomas E. (See Kern, F. B., and French.)
- Frenning, Alfred B., Fall River, and J. L. Hallett, Braintree, assignors to The S. M. Howes Company, Boston, Mass. Accessory unit for refrigerating apparatus. 1,977,548; Oct. 16.
- Frens Corporation. (See Winter, Courtney P., assignor.)
- Frentzel, Herman C., Jr., assignor, by mesne assignments, to The Heil Co., Milwaukee, Wis. Fluid pressure control mechanism. 1,980,478; Nov. 13.
- Frenzel, Kurt, Berlin, Germany, assignor, by mesne assignments, to Eastman Kodak Company. Photographic camera. 1,941,602; Jan. 2.
- Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Alternating current contactor. 1,948,374; Feb. 20.
- Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Compensating thermal switch operating means. 1,956,346; Apr. 24.
- Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Battery charging system. 1,973,804; Sept. 18.
- Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Automatic control for internal combustion engines. 1,981,859; Nov. 27.
- Freshel, Curtis P., New York, N. Y. Treatment of yeast and the product produced thereby. 1,981,225; Nov. 20.
- Freson, Frank, Yakima, Wash. Display rack for periodicals. 1,949,200; Feb. 27.
- Freter, Roy J., assignor to Tack Button Company, Toms River, N. J. Method and apparatus for making tubular rivets and the like. 1,970,085; Aug. 14.
- Fretz-Moon Tube Company, Inc., The. (See Church, G. T., and Boyd, assignors.)
- Freud, Joseph, Chicago, Ill. Squeegee. 1,978,192; Oct. 23.
- Freudenberg, Carl P., Chicago, Ill. Valve-testing clamp. 1,972,767; Sept. 4.
- Freudenberg, Gotthard, Brooklyn, assignor to A. M. Peters, New York, N. Y. Slicing machine. 1,945,269; Jan. 30.
- Freudenberg, Gotthard, Brooklyn, assignor to Globe Slicing Machine Co., Inc., New York, N. Y. Attachment for slicing machine. 1,974,304; Sept. 18.
- Freund, Berthold, Berlin, Germany, assignor to Internationale Tobis Maatschappij, N. V., Amsterdam, Netherlands. Apparatus for making sound and picture records on films. 1,974,709; Sept. 25.
- Freund, Berthold, Berlin-Schöneberg, Germany, assignor to Internationale Tobis Maatschappij, N. V., Amsterdam, Netherlands. Making sound records. 1,974,710; Sept. 25.
- Freund, Edward, Long Beach, N. Y. Beverage dispensing apparatus. 1,963,784; June 19.
- Freund, Emanuel M., Albany, N. Y. Douche. 1,944,553; Jan. 23.
- Freund, Erwin O., assignor to The Visking Corporation, Chicago, Ill. Sausage, artificial casing therefor, and the production thereof. 1,959,978; May 22.
- Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Distributor bar for typographical machines. 1,951,329; Mar. 13.
- Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Spaceband for justifying matrix lines. 1,981,835; Nov. 20.
- Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Assembling means for typographical machines. 1,985,857; Dec. 25.
- Freund, Herman R., Brooklyn, N. Y., and L. W. Willis, Stamford, Conn., assignors to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,960,182; May 22.
- Freund, Hermann. (See Fischer, R., and Freund.)
- Freund, Hugo A., et al. (See Nichols, Horace E., assignor.)
- Freundorfer, Roman. (See Freundorfer, Theodor and R.)
- Freundorfer, Theodor, and R. Freundorfer, Munich, Germany. Making orthochromatic collodion-emulsion dry plates. 1,943,380; Jan. 16.
- Frey, Albert A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Purifying hydrogen. 1,955,328; Apr. 17.
- Frey, Charles N. (See Buhrig, W. H., Schultz, and Frey.)
- Frey, Charles N. (See Gore, H. C., and Frey.)
- Frey, Charles N. (See Light, R. F., and Frey.)
- Frey, Elmer E., assignor to Kittle Manufacturing Co., Los Angeles, Calif. Interrupter. 1,942,023; Jan. 2.
- Frey, Elmer E., assignor to Kittle Manufacturing Co., Los Angeles, Calif. Electrical interrupter. 1,942,024; Jan. 2.

- Frey, Frank W., Chicago, assignor of one-fourth to J. S. Paluch, Norwood Park, Ill. Antishrink device. 1,947,888; Feb. 13.
- Frey, Frederick E. (See Schulze, W. A., and Frey.)
- Frey, Frederick E., assignor to Phillips Petroleum Company, Bartlesville, Okla. Odorizing liquefied petroleum gases. 1,944,175; Jan. 23.
- Frey, George R., and W. A. Maxwell, Springfield, Oreg., assignors to J. E. Harlow. Illuminated sign. 1,953,555; Apr. 3.
- Frey, George X. (See Fox, Carl B., assignor.)
- Frey, Henry, Havana, Ill. Filing device. 1,958,084; May 8.
- Frey, James P., Modesto, Calif. Punch board machine. 1,946,786; Feb. 13.
- Frey, Karl. (See Gams, A., and Frey.)
- Frey, Rudolph T., Montclair, N. J., assignor to Paper Novelty Manufacturing Co., New York, N. Y. Tinsel skein packaging. 1,957,256; May 1.
- Frey, Sigmund, Los Angeles, Calif. Orchard heater. 1,969,506; Aug. 7.
- Freyermuth, George H. (See Hanks, W. V., and Freyermuth.)
- Freyermuth, George H., Elizabeth, N. J., assignor to Standard Oil Development Company. Manufacture of hydrogen and catalyst used in such process. 1,970,695; Aug. 21.
- Freygang, Walter H., Weehawken, N. J., assignor to Walter Kidde & Company, Inc. Fire extinguishing medium distribution system. 1,948,753; Feb. 27.
- Freyman, Fred, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for gauging members for assemblage. 1,948,291; Feb. 20.
- Freynt, Carl, Indianapolis, Ind. Suction device. 1,960,902; May 29.
- Freynt Engineering Company. (See Bleibtreu, H., and Eberlein, assignors.)
- Freynt Engineering Company. (See Bleibtreu, H., and Ebner, assignors.)
- Freynt Engineering Company. (See Everhard, Edgar P., assignor.)
- Freynt Engineering Company. (See Fox, G., and Whitcomb, assignors.)
- Freynt Engineering Company. (See Kay, Thad A., assignor.)
- Freynt Engineering Company. (See Schofield, Wilfred C., assignor.)
- Freynt Engineering Company. (See Whitcomb, Arthur J., assignor.)
- Freysinger, John B., New Britain, Conn. Buckle. Des. 93,011; Aug. 14.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,618; Feb. 27.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,652; Mar. 6.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,709; Mar. 13.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,710; Mar. 13.
- Freysinger, John B., New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,772; Mar. 20.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,773; Mar. 20.
- Freysinger, John B., New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,812; Mar. 27.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 91,813; Mar. 27.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 92,460; June 12.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 92,713; July 10.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 92,714; July 10.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 92,715; July 10.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 93,097; Aug. 21.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 93,387; Sept. 25.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 93,464; Oct. 2.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 93,465; Oct. 2.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 93,466; Oct. 2.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Bit for horses. 1,956,861; May 1.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Separable fastener. 1,957,257; May 1.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Separable fastener. 1,957,258; May 1.
- Freytag, Helmuth. (See Pungs, W., and Freytag.)
- Friberg, Harry A., Winchester, Mass. Sand-washing apparatus. 1,943,861; Jan. 16.
- Fricano, Joseph J., and A. G. Gearhart, Norristown, Pa. Upper and lower sash lock. 1,954,731; Apr. 10.
- Frick, Chester, assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Water cooler. Des. 92,892; July 31.
- Frick, Chester, assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Water cooler. Des. 92,893; July 31.
- Frick, Chester A., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Bottle dispensing refrigerator or the like. Des. 91,390; Jan. 23.
- Frick, Chester A., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Bottle dispensing refrigerator or the like. Des. 91,391; Jan. 23.
- Frick, Chester A., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Dispensing cooler for bottled beverages or the like. Des. 91,519; Feb. 20.
- Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Bottle dispensing refrigerator. 1,970,226; Aug. 14.
- Frick Company. (See Baer, Alvin H., assignor.)
- Frick Company. (See Garland, Milton W., assignor.)
- Frick Company. (See Shenton, Francis, assignor.)
- Frick Company. (See Shenton, F., and Garland.)
- Frick Company. (See Small, Norman M., assignor.)
- Frick Company. (See Zumbo, Frank R., assignor.)
- Frick, Friedrich, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Easily workable masses from phenolformaldehyde condensation products. 1,952,243; Mar. 27.
- Frick, Jean-Jacques, Belfort, France, assignor to General Electric Company. Arc welding system. 1,976,551; Oct. 9.
- Fricke, Hermann, and A. Meier, Munich, assignors to Alterum Kredit-Aktiengesellschaft, Berlin, Germany. Manufacture of alkali carbonate or alkali hydroxide. 1,979,151; Oct. 30.
- Frickey, Edward H., Pasadena Park, Mo. Crusher. 1,942,143; Jan. 2.
- Fridaker, Albert B., et al. (See Clark, Malcolm S., assignor.)
- Fridaker, Albert B., et al. (See Coates, C. E., and Clark, assignors.)
- Fridell, Willis S., Washington, D. C., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Recording and reproducing apparatus. 1,957,584; May 8.
- Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,949,740; Mar. 6.
- Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,949,741; Mar. 6.
- Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,957,950; May 8.
- Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,970,512; Aug. 14.
- Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,981,226; Nov. 20.
- Friden, Carl M. F., Piedmont, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,957,496; May 8.
- Friden, Carl M. F., Piedmont, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 1,969,262; Aug. 7.
- Friden, Carl M. F., Piedmont, Calif., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Recording device. 1,979,208; Oct. 30.
- Friden, Carl M. F., Piedmont, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,980,579; Nov. 13.
- Frieberg, Max, Brooklyn, N. Y. Diathermy apparatus. 1,967,815; July 24.
- Fried, Armin, Los Angeles, Calif. Combination camera and finder. 1,966,092; July 10.
- Fried, Earl R., Seattle, Wash. Dental and surgical ejector. 1,947,389; Feb. 13.
- Fried, Julius. (See Johnson, Jack, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Alma, C. E., and Egen, assignors.)
- Fried, Krupp Aktiengesellschaft. (See Ammann, Ernst, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Braun, Richard, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Fry, A., and Wasmuth, assignors.)
- Fried, Krupp Aktiengesellschaft. (See Hauptmeyer, Friedrich, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Kautz, Kurt, assignor.)
- Fried, Krupp Germaniawerft Aktiengesellschaft. (See Huster, Alfred, assignor.)
- Fried, Krupp Germaniawerft Aktiengesellschaft. (See Mohr, Karl, assignor.)

- Fried. Krupp Germaniawerft Aktiengesellschaft. (See Walter, Hellmuth, assignor.)
- Fried Krupp Grusonwerk Aktiengesellschaft. (See Fritz, Arnold, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft. (See Johannsen, Friedrich, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft, The firm. (See Johannsen, Friedrich, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft, The firm. (See Schon, Karl, assignor.)
- Friedberg, Abram B., assignor to Perfect Dampproof Flashing Co., Inc., New Brunswick, N. J. Flashing. 1,976,166; Oct. 9.
- Friedberg, Leonard E. (See Elvin, Charles P., assignor.)
- Friedel, Arthur C., assignor to J. F. Friedel Paper Box Company, Syracuse, N. Y. Collapsible shelving. 1,966,928; July 17.
- Friedel, J. F., Paper Box Company. (See Friedel, Arthur C., assignor.)
- Friedell, Philip A., Oakland, Calif. Internal combustion engine. 1,970,004; Aug. 14.
- Friederich, Alfred, Berlin, and P. Schlack, Berlin-Karlshorst, assignors to Aceta G. m. b. H., Lichtenberg, Germany. Manufacture of artificial threads. 1,984,472; Dec. 18.
- Friederich, Ernst, and G. Aschermann, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Cut-out for incandescent electric lamps and similar devices. 1,946,279; Feb. 6.
- Friederich, Walter, Troisdorf, Germany. Manufacture of explosive materials. 1,962,065; June 5.
- Friederichsen, Heinrich, Berlin-Treptow, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,971,931; Aug. 28.
- Friedersdorff, Konrad, Bergisch-Gladbach, assignor to Stellawerk Aktiengesellschaft vormals Willisch & Co., Berlin-Wilmersdorf, Germany. Refractory body and manufacturing the same. 1,944,709; Jan. 23.
- Friedheim, Frank, Minneapolis, Minn. Lawn edge trimmer. 1,941,548; Jan. 2.
- Friedheim, Louis, Paris, France, assignor of one-half to F. Hecht & Co., Inc., New York, N. Y., and one-half to Amalgamated Leather Companies, Incorporated, Wilmington, Del. Preparation of reptile skins for use as leather. 1,969,743; Aug. 14.
- Friedlaender, Leo I., Detroit, Mich., assignor, by mesne assignments, to The Worth Company. Carloading device. 1,973,562; Sept. 11.
- Friedlander, Bertha. (See Friedlander, Philip M., assignor.)
- Friedländer, Erich, Berlin-Spandau, and O. Schmutz, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric and Manufacturing Company. Symmetrical component system. 1,963,195; June 19.
- Friedlander, Erich, Berlin-Spandau, and O. Schmutz, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric and Manufacturing Company. Symmetrical component system. 1,971,103; Aug. 21.
- Friedlander, Max, San Francisco, Calif. Serving tray or similar article. Des. 93,210; Sept. 4.
- Friedlander, Philip M., assignor to Bertha Friedlander, New York, N. Y. Bag for folding chairs. 1,951,604; Mar. 20.
- Friedlander, Philip M., Brooklyn, assignor to B. Friedlander, New York, N. Y. Table top. 1,959,950; May 22.
- Friedman, Eli, Boston, Mass. Diaper. 1,941,677; Jan. 2.
- Friedman, Eli, Boston, Mass. Diaper. 1,961,515; June 5.
- Friedman, Harry, and C. Hochmuth, Vancouver, British Columbia, Canada. Atmospheric pressure operated locking mechanism. 1,972,768; Sept. 4.
- Friedman, Henry L., East Cleveland, and M. Pollock, Cleveland, Ohio. Dust eliminator. 1,985,157; Dec. 18.
- Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Double stroke cold header. 1,955,061; Apr. 17.
- Friedman, Joseph, New York, N. Y. Display device. Des. 91,866; Apr. 3.
- Friedman, Louis, Brooklyn, N. Y. Steel wool cleaner. 1,982,654; Dec. 4.
- Friedman, Marcus, Brooklyn, N. Y. Collar. 1,952,852; Mar. 27.
- Friedman, Martin C., et al. (See Stone, Arthur A., assignor.)
- Friedman, Oscar, New York, N. Y. Hat. Des. 93,651; Oct. 23.
- Friedman, Samuel, New York, N. Y. Hand implement for treating fur. 1,979,030; Oct. 30.
- Friedman, Samuel M., Brooklyn, N. Y. Transmission mechanism and adjustable mounting therefor. 1,964,459; June 26.
- Friedman, William, New York, N. Y. Fountain pen. 1,949,201; Feb. 27.
- Friedman, William, Chicago, Ill. Brush. 1,977,183; Oct. 16.
- Friedmann, Albert, Wyomissing, Pa., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y. Thread carrier attachment. 1,960,670; May 29.
- Friedmann, Albert, Wyomissing, Pa., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y. Knitting fabric. 1,982,800; Dec. 4.
- Friedmann, Alex. firm. (See Nemetz, Gustav, assignor.)
- Friedolsheim, Adolf V., Ludwigshafen-on-the-Rhine, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Oxidation of hydrocarbons and waxes. 1,981,384; Nov. 20.
- Friedrich Deckel Präzisions-mechanik und Maschinenbau. (See Zwick, Kurt, assignor.)
- Friedrich, Hans, Berlin, Germany. Treating polyhalite. 1,946,068; Feb. 6.
- Friedrich, Hermann. (See Neelmeier, W., Nocken, and Friedrich.)
- Friedrich, Martin E. (See Dahlen, M. A., and Friedrich.)
- Friedrich, Martin E. (See Hitch, E. F., Dahlen, and Friedrich.)
- Friedrichs, Walter E. (See Aldinger, E. H., and Friedrichs.)
- Friedrichs, Wilhelm, Berlin, Germany. Cash franking machine. 1,943,473; Jan. 16.
- Friedrichs, Wilhelm, Reinickendorf-Ost, near Berlin, Germany. Stamping, printing, and similar machine. 1,954,694; Apr. 10.
- Friel, John J., Tulsa, Okla. Article dispenser. 1,951,239; Mar. 13.
- Frieldingsdorf, William K., administrator. (See Freedman, Louis.)
- Friend, Halton H. (See Maurer, J. A., jr., and Friend.)
- Friend, Herman, assignor of one-fourth to M. B. Jacobsohn, and one-twentieth to J. H. San, New York, N. Y. Continuous electric outlet for building. 1,953,993; May 15.
- Friend, Joseph C., Ashtabula, Ohio. Lubricating means. 1,946,316; Feb. 6.
- Friend, William K., assignor to American Seating Company, Grand Rapids, Mich. Machine for enameling sheet metal. 1,976,066; Oct. 9.
- Friendly, Herbert M., Portland, Oreg., M. S. Friendly, and Central Republic Trust Company, executors. Telephone system. 1,944,911; Jan. 30.
- Friendly, Herbert M., Portland, Oreg., M. S. Friendly, and Central Republic Trust Company, executors. Telephone system. 1,944,912; Jan. 30.
- Friendly, Herbert M., Portland, Oreg., M. S. Friendly, and Central Republic Trust Company, executors. Telephone system. 1,945,467; Jan. 30.
- Friendly, Herbert M., Portland, Oreg., M. S. Friendly, and Central Republic Trust Company, executors. Telephone system. 1,945,468; Jan. 30.
- Friendly, Herbert M., deceased, Portland, Oreg.; M. S. Friendly and Central Republic Trust Company of Illinois, executors, assignors to M. S. Friendly, Chicago, Ill., O. N. Friendly, Salt Lake City, Utah, and Central Republic Trust Company, Chicago, Ill., trustees. Highway crossing signal system. 1,973,691; Sept. 11.
- Friendly, Herbert M., Chicago, Ill., M. S. Friendly, and Central Republic Trust Company, executors. Selector. 1,945,465; Jan. 30.
- Friendly, Herbert M., Chicago, Ill., M. S. Friendly, and Central Republic Trust Company of Illinois, executors. Telephone system. 1,945,466; Jan. 30.
- Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Trust Company of Illinois, executors, assignors to M. S. Friendly, Chicago, Ill., O. N. Friendly, Salt Lake City, Utah, and Central Republic Trust Company, Chicago, Ill., trustees. Highway traffic signal system. 1,973,563; Sept. 11.
- Friendly, Milton S., executor. (See Friendly, Herbert M.)
- Friendly, Milton S., et al, executors. (See Friendly, Herbert M., assignor.)
- Friendly, Oscar N., et al. (See Friendly, Herbert M., deceased.)
- Frier, John, St. Louis, Mo. Dispensing device. 1,963,017; June 12.
- Fries, Donald P. (See Engler, P. R., and Fries.)
- Fries, Friedrich A. (See Ebert, G., Fries, and Garbsch.)
- Fries, Harold H. (See Stöckelbach, Frits E., assignor.)
- Fries, Nestor, Fort Wayne, Ind., assignor, by mesne assignments, to D. S. Golding and C. W. Murchison, Dallas, Tex. Force feed lubricator. 1,949,272; Feb. 27.
- Fries, Samuel W., and E. E. Malott, Kansas City, Mo. Grip attachment for fuse clips. 1,983,281; Dec. 4.
- Friesen, Santiago, Limbach, near Schwabach, Germany, assignor to Westinghouse Electric & Manufacturing Company. Portable spot-welding device. 1,976,552; Oct. 9.
- Friesner, Charles E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider frame. 1,956,830; May 1.
- Friesner, Charles E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Article of furniture. 1,959,860; May 22.
- Friesner, Charles E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Gilder frame construction. 1,973,753; Sept. 18.
- Friez, Julien P., & Sons, Inc. (See Chappell, R. R., and Streb, assignors.)
- Friez, Julien P., & Sons, Inc. (See Chappell, R. R., Streb, and Boettinger, assignors.)
- Frigidaire Corporation. (See Alexander, Donald F., assignor.)
- Frigidaire Corporation. (See Berkdoll, Edward C., assignor.)
- Frigidaire Corporation. (See Bichowsky, F. R., and Hull, assignors.)
- Frigidaire Corporation. (See Candor, Robert R., assignor.)
- Frigidaire Corporation. (See Candor, R. R., and Staley.)
- Frigidaire Corporation. (See Dickey, Ernest, assignor.)
- Frigidaire Corporation. (See Fehr, John R., assignor.)
- Frigidaire Corporation. (See Fleischer, Joseph, assignor.)
- Frigidaire Corporation. (See Floyd, William B., assignor.)

- Frigidaire Corporation. (See Gilkey, William K., assignor.)
 Frigidaire Corporation. (See Grier, John A., assignor.)
 Frigidaire Corporation. (See Henney, Charles F., assignor.)
 Frigidaire Corporation. (See Hofferberth, George F., assignor.)
 Frigidaire Corporation. (See Hornaday, James R., assignor.)
 Frigidaire Corporation. (See Hvid, Rasmus M., assignor.)
 Frigidaire Corporation. (See Keighley, Lloyd M., assignor.)
 Frigidaire Corporation. (See Kettering, Charles F., assignor.)
 Frigidaire Corporation. (See Killen, James R., assignor.)
 Frigidaire Corporation. (See King, Jesse G., assignor.)
 Frigidaire Corporation. (See Lee, Ralph L., assignor.)
 Frigidaire Corporation. (See Loranger, Hubert R., assignor.)
 Frigidaire Corporation. (See Maccabee, David E., assignor.)
 Frigidaire Corporation. (See Macready, John A., assignor.)
 Frigidaire Corporation. (See Macready, J. A., and Matthews, assignors.)
 Frigidaire Corporation. (See Miller, Ralph K., assignor.)
 Frigidaire Corporation. (See Newill, Edward B., assignor.)
 Frigidaire Corporation. (See Reeves, Donald H., assignor.)
 Frigidaire Corporation. (See Ritter, Carl C., assignor.)
 Frigidaire Corporation. (See Roberts, Mason M., assignor.)
 Frigidaire Corporation. (See Scholl, Anthony J., assignor.)
 Frigidaire Corporation. (See Shutts, Leroy W., assignor.)
 Frigidaire Corporation. (See Smith, Harry F., assignor.)
 Frigidaire Corporation. (See Smith, Nelson J., assignor.)
 Frigidaire Corporation. (See Steiner, Carl W., assignor.)
 Frigidaire Corporation. (See Stout, Elmer O., assignor.)
 Frigidaire Corporation. (See Summers, Otto M., assignor.)
 Frigidaire Corporation. (See Van Deventer, Harry R., assignor.)
 Frigidaire Corporation. (See Van Deventer, H. R., and McKeown, assignors.)
 Frigidaire Corporation. (See Vandoren, B. J., and King, assignors.)
 Frigidaire Corporation. (See Warren, Joseph A., assignor.)
 Frigidrinks, Inc. (See Downer, Raymond H., assignor.)
 Fris, Harald T., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna counterpoise system. 1,947,256; Feb. 13.
 Frimand, Peter A., Wilmette, Ill. Pump operating mechanism. 1,959,098; May 15.
 Frink, Carl H., Clayton, N. Y. Snowplow. 1,957,103; May 1.
 Frink, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,970,423; Aug. 14.
 Frink, Frederick W., Schenectady, N. Y., assignor to General Electric Company. High frequency signal system. 1,970,424; Aug. 14.
 Frisbie, Leroy D., assignor to Westfield River Paper Company, Inc., Russell, Mass. Paper making. 1,970,227; Aug. 14.
 Frisbie, Russell A., Middletown, assignor to The J. & E. Stevens Company, Cromwell, Conn. Toy pistol. Des. 93,819; Nov. 13.
 Frisch, Charles, Milwaukee, Wis. Windmill. 1,963,196; June 19.
 Frisch, Erling. (See Schaelchlin, W., and Frisch.)
 Frisch, Jacob, New York, N. Y. Method of and composition for coating dolls. 1,979,081; Oct. 30.
 Frisch, Martin, Bronx, assignor to Foster Wheeler Corporation, New York, N. Y. Burner. 1,950,980; Mar. 13.
 Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Steam generator. 1,964,149; June 26.
 Fritch, Elue O., assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 91,931; Apr. 10.
 Fritch, Elue O., assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Tire. Des. 92,716; July 10.
 Fritch, Elue O., assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Tire. Des. 92,840; July 24.
 Fritsch, Cyrus O., North Brook, Ill. Inclinator for airplanes. 1,966,714; July 17.
 Fritzsche, John, Merion, and J. C. Hadik, Philadelphia, Pa.; said Hadik assignor to said Fritzsche. Vending machine. 1,944,229; Jan. 23.
 Fritzsche, Rudolf, New York, N. Y. Registering device. 1,956,917; May 1.
 Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for moving motion picture film. 1,969,458; Aug. 7.
 Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Easily threaded motion picture apparatus. 1,973,477; Sept. 11.
 Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture pull down mechanism. 1,976,338; Oct. 9.
 Fritts, Franklin L. (See Kemp, George L., assignor.)
 Fritts, Morris, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone dial illuminator. 1,966,495; July 17.
 Fritz, Arnold, Madgeburg, assignor to Fried Krupp Grusonwerk Aktiengesellschaft, Madgeburg-Buckau, Germany. Annealing and pickling plant. 1,981,411; Nov. 20.
 Fritz-Cross Company, The. (See Goenen, L. E., and Garrow, assignors.)
 Fritz, Earl A. (See Giard, E. A., and Fritz.)
 Fritz, Hanns, Wurzburg, assignor to firm Schnellpressenfabrik Koenig & Bauer, Aktiengesellschaft, Wurzburg, Germany. Plate depositing table for casting machines. 1,942,243; Jan. 2.
 Fritz, Howard E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible sealing coupling. 1,948,211; Feb. 20.
 Fritz, Howard E., Barberton, and J. R. Hoover, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Valve structure. 1,947,257; Feb. 13.
 Fritz-Moon Tube Company. (See Burton, James M., assignor.)
 Fritz, Theresa M., New York, N. Y. Ensemble dress. Des. 91,932; Apr. 10.
 Fritz, Walter I. (See Tomson, C. F., and Fritz.)
 Fritze, Otto. (See Rüttenauer, A., and Fritze.)
 Fritzsche, Paul. (See Streitwolf, K., Fehrlé, Fritzsche, and Herrmann.)
 Fritzsche, Paul. (See Streitwolf, K., Fehrlé, Herrmann, and Fritzsche.)
 Fritzsche, Paul. (See Streitwolf, K., and Fritzsche.)
 Fritzsche, Paul, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart, Oberturkheim, Germany. Internal combustion engine. 1,981,412; Nov. 20.
 Froehlich, Alfred, Dessau in Anhalt, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Color photography and cinematography. 1,963,197; June 19.
 Froehlich, Ervino, and O. Heckl, assignors to Ufficio Tecnico Impianti Nafta Autovaporizzanti, Trieste, Italy. Steam generator. 1,953,596; Apr. 3.
 Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drawing table. 1,956,546; Apr. 24.
 Froelich, Gunnar C. (See Johanson, G. H., and Froelich.)
 Froelich, Ludwig, assignor to Heinrich & Winterling, Inc., New York, N. Y. Plate or analogous article. Des. 93,467; Oct. 2.
 Froelich, William, Evansville, Ind. Register or grate cover holder. 1,975,686; Oct. 2.
 Froemming, George H. (See La Montagne, P. P., and Froemming.)
 Frohbose, Wilhelm, et al. (See Genrich, Arnold W., assignor.)
 Fröhlich, Alfred. (See Wendt, B., and Fröhlich.)
 Fröhlich, Hans, T. Hausch, and W. Zingg, assignors to Landis Gyr, A.-G., Zug, Switzerland. Induction meter. 1,942,164; Jan. 2.
 Frohmuth, William J., and D. E. Cohagen, Fort Wayne, Ind. Soldering tool. 1,985,492; Dec. 25.
 Frolander, Frank C. (See Morrison, L. E., and Frolander.)
 Frolander, Frank C., Elizabeth, N. J., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,949,302; Feb. 27.
 Frolander, Frank C., Elizabeth, N. J., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,971,399; Aug. 28.
 Frolander, Frank C., Elizabeth, N. J., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,971,400; Aug. 28.
 Frolander, Frank C., Elizabeth, and M. Czarny, Roselle, N. J., assignors to Capilizer Holding Corporation, New York, N. Y. Oil filtering and rectifying device. 1,950,487; Mar. 13.
 Frolich, Per K. (See Brebinski, L. P., and Frolich.)
 Frölich, Per K. (See Lewis, W. K., and Frölich.)
 Frolich, Per K., Cambridge, Mass., and B. C. Boeckeler, St. Louis, Mo.; said Frolich assignor to Standard Oil Development Company. Formation of olefines. 1,944,419; Jan. 23.
 Fromm, Harry E., assignor to Chrysler Corporation, Detroit, Mich. Transmission. 1,954,200; Apr. 10.
 Fromme, Frank W., Cincinnati, Ohio. Wrench. 1,942,640; Jan. 9.
 Frommer, Géza, Ujpest, Hungary. Process and machine for combing and ironing of skins. 1,951,827; Mar. 20.
 Fründt, Hermann, Berlin-Adlershof, Germany, assignor to General Electric Company. Electric discharge apparatus. 1,959,201; May 15.
 Fronteras, Edgar M., London, England, and G. Bonora, Bologna, Italy. Lid, cover, stopper, and like closure. 1,971,978; Aug. 28.
 Frost, Carl A., assignor of one-half to F. P. Smith, Chicago, Ill. Combined beach bench, locker, and sunshade. 1,946,137; Feb. 6.
 Frost, Clinton E., Cleveland Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush. 1,960,487; May 29.
 Frost, Earl R., assignor to The National Machinery Company, Tiffin, Ohio. Driving mechanism. 1,981,167; Nov. 20.
 Frost, Elmer F. (See Netzel, F. M., and Frost.)
 Frost, George M., Ashland, Oreg. Grave marker. 1,950,298; Mar. 6.

- Frost, Gertrud, née Bolz, Berlin, Germany. Means for erecting and straightening the eyelashes. 1,970,086; Aug. 14.
- Frost, Jack E. G., Los Angeles, and F. E. French, Inglewood, Calif. Service rack for automobiles and the like. 1,959,463; May 22.
- Frost, John G. G., assignor to The National Smelting Company, Cleveland, Ohio. Recovering aluminum as aluminum sulphate. 1,962,498; June 12.
- Frost, John G. G., assignor to The National Smelting Company, Cleveland, Ohio. Smelting aluminum. 1,980,263; Nov. 13.
- Frost, Louis H. (See Stewart, E. P., and Frost.)
- Frost, Myron O., assignor to Johnson, Stephens & Shinkle Shoe Co., St. Louis, Mo. Making shoes. 1,942,419; Jan. 9.
- Frost, Myron O., Richmond Heights, assignor, by mesne assignments, to Bradspeed Corporation, St. Louis, Mo. Protector for shoes. 1,970,600; Aug. 21.
- Frost, Myron O., Richmond Heights, and P. Mattler, assignors, by mesne assignments, to Bradspeed Corporation, St. Louis, Mo. Distribution system for shoe factories. 1,954,124; Apr. 10.
- Frost, Myron O., Richmond Heights, and P. Mattler, St. Louis, Mo., assignors, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Distribution system for shoe factories. 1,984,367; Dec. 18.
- Frost Rubber Works. (See Netzel, Frank M., assignor.)
- Frost, Thomas H., Cambridge, Mass. Blade strip and making the same. 1,942,025; Jan. 2.
- Frost, Walter E., assignor of one-half to G. M. Foss and one-fourth to H. B. Libby, Auburn, Maine. Smoke eliminator and fuel economizer. 1,941,936; Jan. 2.
- Frost, William M., Spokane, Wash. Insect electrocutor. 1,952,795; Mar. 27.
- Frost, William P., Jackson Heights, N. Y., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Strain equalizing device. 1,947,708; Feb. 20.
- Frost, William P., Jackson Heights, N. Y., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Elevator cable strain-equalizing connection. 1,958,039; May 8.
- Frost, William P., Old Greenwich, Conn., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Device for equalizing strain on hoisting ropes. 1,964,982; July 3.
- Frostad, George O., assignor to National Paper Can Company, Milwaukee, Wis. Tube cutting machine. 1,949,999; Mar. 6.
- Frostad, George O., Milwaukee, Wis., assignor, by mesne assignments, to Cameron Machine Company, Brooklyn, N. Y. Cutting mechanism. 1,965,738; July 10.
- Frostad, George O., assignor to National Paper Can Company, Cudahy, Wis. Method and apparatus for manufacturing containers. 1,979,827; Nov. 6.
- Frosted Foods Company. (See Birdseye, Clarence, assignor.)
- Frosted Foods Company. (See Daughters, Milo R., assignor.)
- Frosted Foods Company, Inc. (See Hall, Bicknell, assignor.)
- Frosted Foods Company, Inc. (See Norton, Karl B., assignor.)
- Frostig, Oscar. (See Jaklin, Hans, assignor.)
- Frova, Giovanni, Milan, Italy. Machine for removing pits from fruit. 1,977,675; Oct. 23.
- Frozen Sweets, Inc. (See Isenbreg, Stanley, assignor.)
- Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
- Früh, Karl, Passau, Germany. Grater for potatoes or the like. 1,976,256; Oct. 9.
- Fruhstorfer, Edgar, Paris, France, assignor to Isothermos Corporation of America, New York, N. Y. Obturating disk. 1,945,219; Jan. 30.
- Fruth, Hal F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating materials. 1,947,547; Feb. 20.
- Fruth, Hal F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating metals. 1,966,496; July 17.
- Fruth, Hal F., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electrolytic condenser. 1,981,352; Nov. 20.
- Fruth, Hal F., Chicago, and R. L. Reading, Maywood, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating materials. 1,947,548; Feb. 20.
- Fry, Adolf, and R. Wasmuth, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Manufacturing hardened articles. 1,950,549; Mar. 13.
- Fry, Albert L. (See Le Laurin, H., and Fry.)
- Fry, Benjamin F. (See Withrow, P. C., and Fry.)
- Fry, Benjamin W., St. Louis, Mo. Coin testing and ejecting mechanism for vending machines. 1,979,377; Nov. 6.
- Fry, George L. (See Hume, N. E., and Fry.)
- Fry, Henry O., Reedsport, Oreg. Shook end construction. 1,977,761; Oct. 23.
- Fry, Joseph M., Whittier, Calif. Well pumping device. 1,959,621; May 22.
- Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y. Coxer section for interior walls. 1,967,357; July 24.
- Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Hoguet & Neary, New York, N. Y. Back rest cover. 1,975,599; Oct. 2.
- Fryar, James B., Dayton, Ohio. Float operated switch. 1,943,011; Jan. 9.
- Frye, Lee E., San Francisco, Calif. Boot-black stand. 1,952,543; Mar. 27.
- Frye, Robert. (See Fairley, T. J., and Frye.)
- Frye, William A., Kansas City, Kans., assignor to Sinclair Refining Company, New York, N. Y. Valve. 1,975,454; Oct. 2.
- Fryer, William H. (See Strachan, T. H., and Fryer.)
- Fryer, William H., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,954,043; Apr. 10.
- Frykman, Victor L. (See Johnson, M. J., and Frykman.)
- Fryling, George R., assignor to Erie Resistor Corporation, Erie, Pa. Resistor. 1,959,285; May 15.
- Fuchigami, Iwao. (See San Nyun, M. S., assignor.)
- Fuchs, Charles A., Hollis, assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Mold for producing type carriers or shuttles for typewriting machines. 1,963,125; June 18.
- Fuchs, Charles A., Hollis, assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Mold for producing type carriers or shuttles for typewriting machines. 1,963,126; June 19.
- Fuchs, Charles A., Hollis, N. Y., and H. Resch, Bayonne, N. J., assignors, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Printing instrumentality for typewriting machines. 1,973,057; Sept. 11.
- Fuchs, Charles A., Hollis, N. Y., and F. Spaloss, Teaneck, N. J., assignors, by mesne assignments, to Projector Improvement Company, Inc., New York, N. Y. Carbon holder. 1,983,282; Dec. 4.
- Fuchs, Charles A., Hollis, N. Y., and H. Resch, Bayonne, N. J., assignors, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Printing instrumentality for typewriting machines. 1,984,014; Dec. 11.
- Fuchs, Edward L., assignor of one-half to W. L. Fuchs, St. Louis, Mo. Display device. 1,947,549; Feb. 20.
- Fuchs, Frank J. (See Shelin, T. G., and Fuchs.)
- Fuchs, Gottfried, and H. Späth, Stuttgart-Cannstatt, Germany. Beer cooling and dispensing apparatus. 1,969,643; Aug. 7.
- Fuchs, Gottfried, and H. Späth, Stuttgart-Cannstatt, Germany. Method of ignition and mixture compressing internal combustion engine. 1,973,979; Sept. 18.
- Fuchs, Gottfried, and H. Späth, Stuttgart-Cannstatt, Germany. Method and apparatus for electric riveting. 1,978,363; Oct. 23.
- Fuchs, Harry, Brooklyn, N. Y. Remote radio control. 1,967,816; July 24.
- Fuchs, Harry, Brooklyn, N. Y. Method and system for transmitting and receiving pictures. 1,967,817; July 24.
- Fuchs, Harry, Brooklyn, N. Y. Machine for forming fabrications from strip material. 1,980,856; Nov. 13.
- Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Snubber. 1,953,219; Apr. 3.
- Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 1,971,401; Aug. 28.
- Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 1,985,369; Dec. 25.
- Fuchs, Otto, Constance, assignor, by mesne assignments, to Deutsch Gold- und Silber-Schiedeanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Preparing acetaldehyde. 1,956,440; Apr. 24.
- Fuchs, Otto, and E. Naujoks, Constance, assignors to Deutsche Gold- und Silber-Schiedeanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of paraformaldehyde. 1,948,069; Feb. 20.
- Fuchs, William L. (See Fuchs, Edward L., assignor.)
- Fuchs, William L., St. Louis, Mo. Display device. 1,981,227; Nov. 20.
- Fuel Development Corporation. (See Kimball, Leo E., assignor.)
- Fuel Process Company. (See Belknap, Joel R., assignor.)
- Fuerst, Carl C. (See Green, N. B., and Fuerst.)
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic self-erecting front camera. 1,976,339; Oct. 9.
- Fuerst, Edwin W. (See Orton, J. R., and Fuerst.)
- Fuerst, Edwin W., Toledo, Ohio, assignor to The Fleischmann Distilling Corporation, New York, N. Y. Bottle. Des. 91,520; Feb. 20.
- Fuerst, Edwin W., Toledo, Ohio, assignor to National Distillers Products Corporation, New York, N. Y. Bottle. Des. 91,561; Feb. 20.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 91,867; Apr. 3.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,069; Apr. 24.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 92,339; May 29.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 92,340; May 29.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,717; July 10.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,718; July 10.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 93,974; Dec. 4.
- Fuerst, Edwin W., Toledo, Ohio, and J. W. McPherrin, Evanston, Ill., assignors to The Kendall Company, Boston, Mass. Bottle. Des. 92,461; June 12.

- Fuess, James T. (See Staud, C. J., and Fuess, assignors.)
 Fuess, James T., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of acetone-soluble cellulose nitro-acylate. 1,984,126; Dec. 11.
- Fuggiti, Albert. (See Schlag, F., and Fuggiti.)
 Fuhrman, Albert C., Canton, Ohio. Brake for dual wheel organization. 1,975,206; Oct. 2.
- Fujita, Buntaro. (See Imamura, M., and Fujita.)
 Fukal, Alfred F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Table stove. Des. 91,774; Mar. 20.
 Fukal, Alfred F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Heater plug. Des. 91,814; Mar. 27.
 Fukal, Alfred F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Coffee pitcher. Des. 91,868; Apr. 3.
 Fukal, Alfred F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Coffee maker. Des. 91,869; Apr. 3.
- Fuke, Francis C., East Boldon, England. Apparatus for the dry development of photographic prints. 1,953,160; Apr. 3.
- Fulcher, Frank C., Purley, Surrey, England. Apparatus for straining or filtering liquids. 1,975,393; Oct. 2.
- Fulcher, Gordon S., assignor to Corning Glass Works, Corning, N. Y. Insulator and method of treating it. 1,960,147; May 22.
- Fulcher, Mary B. (See Trail, Herbert H., assignor.)
 Fuld Bros., Incorporated. (See Fuld, Melvin, assignor.)
 Fuld, H., & Co. Telefon- und Telegraphenwerke A. G. (See Amann, Max., assignor.)
 Fuld, Melvin, Baltimore, Md., assignor to Fuld Bros., Incorporated. Deodorant container and content. 1,966,074; July 10.
 Fuld, William A., Baltimore, Md. Illuminated game board. 1,951,973; Mar. 20.
- Fulenwider, Harry, Savannah, Ga. Metal barrel head. 1,975,265; Oct. 2.
- Fulkerson, Jay H. (See Hooven, A. M., and Fulkerson.)
 Fullaway, Samuel V., Omaha, Nebr. Wheel tire. 1,964,908; July 3.
- Fuller, Albert B., assignor to Eastman Kodak Company, Rochester, N. Y. Electronic chronometer. 1,954,313; Apr. 10.
 Fuller, Albert B., assignor to Eastman Kodak Company, Rochester, N. Y. Lamp voltage control device. 1,969,459; Aug. 7.
- Fuller, Arthur D., New Rochelle, assignor to National Adhesives Corporation, New York, N. Y. Manufacturing modified starches, dextrines, and British gums. 1,942,544; Jan. 9.
- Fuller, Charles W. (See Rolfs, E. L., and Fuller.)
 Fuller, Clarence N. (See Cherry, L. A., and Fuller.)
 Fuller Company. (See Morrow, Joseph H., assignor.)
 Fuller Company. (See Peters, C., and Domina, assignors.)
 Fuller, Earl E., Buffalo, N. Y. Arch support. 1,982,911; Dec. 4.
- Fuller, Edwin M. (See Briggs, F. E., and Fuller.)
 Fuller, Everett W., and B. W. Story, Woodbury, N. J., assignors to Vacuum Oil Company, Inc., New York, N. Y. Stabilized petroleum wax. 1,963,489; June 19.
- Fuller, Frederic B., assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,961,661; June 5.
- Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation. Sorting machine of the manual control type. 1,946,906; Feb. 13.
- Fuller, Frederick L., West Orange, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Combined sorting and accounting machine. 1,966,623; July 17.
- Fuller, George W., assignor to Recpal Brass Mfg. Co., Los Angeles, Calif. Pump locking device. 1,957,011; May 1.
- Fuller, Grant L., Cleveland Heights, Ohio. Making illuminated signs. 1,973,340; Sept. 11.
- Fuller, Harris E., assignor to H. Fuller, Norfolk, Va. Window operating mechanism. 1,966,815; July 17.
- Fuller, Hermione. (See Fuller, Harris E., assignor.)
 Fuller, James D., Seattle, Wash. Screen and sash frame. 1,983,846; Dec. 11.
- Fuller, John J., Shamrock, Tex. Automatic safety gas valve. 1,954,927; Apr. 17.
- Fuller, Kenneth D., deceased, Huntington Beach, Calif.; R. E. Hickerson, administrator, assignor to R. E. Hickerson. Rod handling apparatus. 1,942,144; Jan. 2.
- Fuller, Kenneth D., deceased, by R. E. Hickerson, Huntington Beach, Calif., assignor to R. E. Hickerson. Elevator. 1,947,842; Feb. 20.
- Fuller Lehigh Company. (See Bailey, Ervin G., assignor.)
 Fuller Lehigh Company. (See Black, John E., assignor.)
 Fuller Lehigh Company. (See Gaffney, J. B., and Hardgrove, assignors.)
 Fuller Lehigh Company. (See Gregory, H. G., and Ward, assignors.)
 Fuller Lehigh Company. (See Hardgrove, Ralph M., assignor.)
 Fuller Lehigh Company. (See Harter, Isaac, assignor.)
 Fuller Lehigh Company. (See Kerr, Howard J., assignor.)
 Fuller Lehigh Company. (See Leach, Lester L., assignor.)
 Fuller Lehigh Company. (See Lucke, Charles E., assignor.)
 Fuller Lehigh Company. (See Mellott, Oscar, assignor.)
 Fuller Lehigh Company. (See Toomey, Thomas C., assignor.)
- Fuller, Lon L., Durham, N. C. Game board device. 1,966,793; July 17.
- Fuller, Louis W., assignor to Howe Scale Company, Rutland, Vt. Scale load indicating periscope. 1,947,155; Feb. 13.
- Fuller, Raymond C., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky. Absorption refrigerating apparatus. 1,949,157; Feb. 27.
- Fuller, Samuel H., Atlanta, Ga. Animal trap. 1,978,995; Oct. 30.
- Fuller, Samuel L., Lancaster, Ohio. Bulletproof construction. 1,953,708; Apr. 3.
- Fuller, Thomas J. D., Jr., Cambridge, Mass. Illuminated sign. 1,950,548; Mar. 13.
- Fuller, Truman S., Niskayuna, N. Y., assignor to General Electric Company. Vacuum electrical device. 1,976,488; Oct. 9.
- Fuller-Warren Company, The. (See Schieffer, Albert F., assignor.)
 Fuller, William H., Jr., Dallas, Tex. Grid for refrigerator freezing trays. 1,956,761; May 1.
- Fuller's Limited. (See Kenny, Alexander, assignor.)
 Fullman, James M. G. (See Sharp, L. A., and Fullman.)
 Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Plaster lock. 1,945,683; Feb. 6.
- Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Outlet box. 1,971,908; Aug. 28.
- Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Manufacturing nuts. 1,984,873; Dec. 18.
- Fullmer, Giles C. (See Ferris, I. S., and Fullmer.)
 Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Flashlight. 1,943,760; Jan. 16.
- Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Cosmetic container. 1,978,193; Oct. 23.
- Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Holder for cosmetics and the like. 1,979,828; Nov. 6.
- Fullmer, Theodore E., assignor to Colorox Chemical Co., Oakland, Calif. Footbath tray. Des. 94,081; Dtc. 18.
- Fulmer, Joseph H., Nazareth, Pa. Hot plate drier for curing vegetation. 1,958,661; May 15.
- Fulmer, Joseph H., Nazareth, Pa. Endless comb feeder. 1,972,516; Sept. 4.
- Fulmer, Joseph H., Nazareth, Pa. Bale drier. 1,984,829; Dec. 18.
- Fulper Pottery Company. (See Stangl, Johann M., assignor.)
 Fulton Company, The. (See Thorp, Joel R., assignor.)
 Fulton, Garland, Cincinnati, Ohio. Method of and apparatus for strengthening the framework and the covering of airships. 1,951,353; Mar. 20.
- Fulton, George E. (See Dunbar, T. L., and Fulton.)
 Fulton Iron Works Company. (See Kopke, Ernst W., assignor.)
 Fulton, James, London, England. Writing and stationery case. 1,962,988; June 12.
- Fulton, Karl H., Jackson Heights, assignor to Combustion Utilities Corporation, New York, N. Y. Insecticidal composition and preparing the same. 1,964,283; June 26.
- Fulton, Nell, New York, N. Y. Bendable wave comb. 1,943,728; Jan. 16.
- Fulton, Nell, New York, N. Y. Hair goods. 1,950,667; Mar. 13.
- Fulton, Nell, New York, N. Y. Wave comb. 1,959,355; May 22.
- Fulton, Nell, New York, N. Y. Support for hair curlers. 1,978,256; Oct. 23.
- Fulton, Otto, Bromley, England. Picture transmitting system. 1,985,084; Dec. 18.
- Fulton, Stephen M. (See Taylor, M. M., and Fulton.)
 Fulton, Stephen M., and W. B. McVeigh, Spondon, near Derby, England, assignors to Celanese Corporation of America. Warp beam. 1,981,142; Nov. 20.
- Fulton, Stewart C., Elizabeth, N. J., assignor to Stanco, Incorporated. Insecticide. 1,967,024; July 17.
- Fulton, Stewart C., Elizabeth, N. J., assignor to Standard Oil Development Company. Producing resins of petroleum origin. 1,981,824; Nov. 20.
- Fulton Sylphon Company, The. (See Carson, William W., Jr., assignor.)
 Fulton Sylphon Company, The. (See Cate, Paul E., assignor.)
 Fulton Sylphon Company, The. (See Davies, L. L., Resek, and Carson, Jr., assignors.)
 Fulton Sylphon Company, The. (See Fulton, Weston M., assignor.)
 Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)
 Fulton Sylphon Company, The. (See Mackintosh, William B., assignor.)
 Fulton Sylphon Company, The. (See Resek, Jules V., assignor.)
 Fulton-Sylphon Company, The. (See Resek, J. V., and Carson, Jr.)
- Fulton, Valentine L., Little Rock, Ark. Finger ring. Des. 93,550; Oct. 9.
- Fulton, Weston M., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Making flexible corrugated tubular metal walls. 1,970,650; Aug. 21.

- Fulton, William H., Orange, assignor to The Paradox Company, Arlington, N. J. Purifier. 1,949,934; Mar. 6.
- Fulton, William H., West Orange, N. J., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Automatic stoker. 1,971,035; Aug. 21.
- Ful-Vue Sales Company, The. (See Emons, Ernest E., assignor.)
- Ful-Vue Sales Company, The. (See Pappert, Emanuel, assignor.)
- Fulweiler, Walter H. (See Perry, J. A., and Fulweiler.)
- Funderburk, Otis C., Weston, assignor to Self Feeding Carburetor Company, Inc., Boston, Mass. Carburetor. 1,970,601; Aug. 21.
- Funderburk, Otis C., assignor to Self Feeding Carburetor Company, Inc., Boston, Mass. Carburetor. 1,977,721; Oct. 23.
- Fung, Ernest S. K., Honolulu, Hawaii. Combined cigarette and match package. 1,948,418; Feb. 20.
- Funk, Bernard, Bronx, assignor to Annex Manufacturing Co., New York, N. Y. Embossing machine. 1,978,575; Oct. 30.
- Funk, Buell R., Quinter, Kans. Tire chain tightening device. 1,969,602; Aug. 7.
- Funk, Claude D., Princeton, Ind. Shoe shining stand. 1,944,736; Jan. 23.
- Funk, Hugo A., Los Angeles, Calif. Desk set. Des. 92,596; June 26.
- Funk, Samuel W., Charter Oak, Calif. Ventilator for vehicles. 1,971,556; Aug. 28.
- Funk, Samuel W., Charter Oak, Calif. Window. 1,982,655; Dec. 4.
- Funk, Truman B., assignor to "Yard-Man", Inc., Jackson, Mich. Lawn mower. Des. 94,082; Dec. 18.
- Funk, William G., et al. (See Brehmer, Frederick W., assignor.)
- Funke, Fred W., Oakland, Calif., dedicated to the free use of the Public. Portable power driven tool grinder. 1,952,853; Mar. 27.
- Funston, Frederick D. (See Kindl, C. H., and Funston.)
- Funston, Frederick D. (See Rossman, E. F., and Funston.)
- Funston, Frederick D., assignor to Delco Products Corporation, Dayton, Ohio. Carburetor throttle operating mechanism. 1,945,603; Feb. 6.
- Funston, Frederick D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. 1,956,383; Apr. 24.
- Funston, Frederick D., Dayton, Ohio, and O. C. Berry, Flint, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 1,960,993; May 29.
- Funston, William H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient rail support. 1,972,825; Sept. 4.
- Fuqua, James E., Kansas City, and T. R. McLees, Independence, Mo. Hinge. 1,959,664; May 22.
- Furbush, Frank L., assignor to C. G. Sargent's Sons Corporation, Granitville, Mass. Drier. 1,947,338; Feb. 13.
- Furbush, Frank L., assignor to C. G. Sargent's Sons Corporation, Granitville, Mass. Endless conveyor. 1,968,757; July 31.
- Furbush, Frank L., assignor to C. G. Sargent's Sons Corporation, Granitville, Mass. Feeding apparatus for conveyors. 1,984,574; Dec. 18.
- Furgason, Claude E., Lansing, Mich. Hydraulic brake. 1,955,180; Apr. 17.
- Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Thermostatic shutter control. 1,948,910; Feb. 27.
- Furgason, Claude E., Lansing, Mich., assignor, by mesne assignments, to L. G. S. Devices Corporation. Clutch for transmission mechanism. 1,966,289; July 10.
- Furgason, Claude E., Lansing, Mich., assignor, by mesne assignments, to L. G. S. Devices Corporation. Over-running clutch. 1,966,290; July 10.
- Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Thermostatically controlled fan. 1,978,788; Oct. 30.
- Furler, Emil, assignor to Furler Proceeding Association, Zurich, Switzerland. Forming hollow blanks for files and the like. 1,985,158; Dec. 18.
- Furler Proceeding Association. (See Furler, Emil, assignor.)
- Furman, Eugene C., Newport News, and E. F. Heard, Hampton, Va. Sealing leaks in threaded joints. 1,946,619; Feb. 13.
- Furman, Eugene C., Newport News, and E. F. Heard, Hampton, Va. Sealing leaks in threaded joints. 1,971,648; Aug. 28.
- Furman, Eugene C., Newport News, and E. F. Heard, Hampton, Va. Sealing apertures. 1,971,649; Aug. 28.
- Furman, Eugene C., Newport News, and E. F. Heard, Hampton, Va. Drilling and injecting apparatus. 1,971,650; Aug. 28.
- Furman, Henry, Detroit, Mich. Smoking pipe. 1,975,838; Oct. 9.
- Furnas, William C., West Allis, Wis. Magnetic clutch. Rel.9,150; May 1.
- Furnas, William C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Sheave structure. 1,961,850; June 5.
- Furness Corporation. (See Furness, William H., assignor.)
- Furness, William H., National Park, assignor to Furness Corporation, Gloucester, N. J. Continuous process and apparatus for making rayon. 1,983,221; Dec. 4.
- Furness, William H., National Park, assignor to Furness Corporation, Gloucester, N. J. Rayon manufacture. 1,983,795; Dec. 11.
- Furniss, Henry D., New York, N. Y. Clamping instrument and using the same. 1,982,207; Nov. 27.
- Furniture Stylists, Inc. (See Rothe, Paul A., assignor.)
- Furniture Stylists Inc. (See Wagner, Andrew, assignor.)
- Furrer, Rudolph, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically-welded high-pressure gas container. 1,966,241; July 10.
- Furrer, Samuel S., assignor to Brennels Manufacturing Company Inc., Oxnard, Calif. Disk harrow. 1,982,951; Dec. 4.
- Furtsch, Amson, New York, N. Y. Clasp or similar article. Des. 92,798; July 17.
- Furtsch, Amson, New York, N. Y. Garment button or similar article. Des. 93,098; Aug. 21.
- Furtsch, Amson, New York, N. Y. Clasp or similar article. Des. 93,339; Sept. 18.
- Furtsch, Amson, New York, N. Y. Clasp or similar article. Des. 93,340; Sept. 18.
- Fusaro, Joseph A., Philadelphia, Pa. Thread waxing device and wax pot therefor. 1,969,552; Aug. 7.
- Fusoid Electric Co. (See Grady, Stephen S., assignor.)
- Futer, Andrew L., Intercourse, Pa. Harmonica holder. 1,954,169; Apr. 10.
- Futter, Charles J., and G. W. Blair, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Waterproof shoe and making same. 1,965,180; July 3.
- Fuwa, Kitsuzo, Tokyo, Japan, assignor to General Electric Company. Ultra-violet transmitting glass. 1,971,309; Aug. 21.
- Fuwa, Kitsuzo, and F. Suzuki, Tokyo, Japan, assignors to General Electric Company. Ultra violet ray transmitting glass. 1,983,359; Dec. 4.
- Fyfe, Clayton. (See Ferris, J. P., and Fyfe.)
- Fyr-Fyter Company, The. (See Iddings, R. C., Bowman, and Wright, assignors.)
- Fyr-Fyter Company, The. (See Iddings, R. C., and D'Olive, assignors.)
- Fyr-Fyter Company, The. (See Thomas, C. A., and Hochwalt, assignors.)
- Fyr-Fyter Company, The. (See Wright, John W., assignor.)
- Fyr-Slyd-Screen, Inc. (See Nolan, Humphrey, assignor.)
- G & G Atlas Systems, Inc. (See MacLaren, James G., assignor.)
- G & G Atlas Systems, Inc. (See Olson, Samuel, assignor.)
- G & G Atlas Systems, Inc. (See Stoetzel, Joseph J., assignor.)
- G. M. Co. Mfg. Company. (See Crockford, Joseph R., assignor.)
- G. M. Co. Mfg. Company, Inc. (See Iskyan, George S., assignor.)
- G-M Laboratories, Inc. (See McMaster, Archie J., assignor.)
- G. & W. Electric Specialty Co. (See Sward, Cecil W., assignor.)
- G. Z. M. Patentverwertungs Aktiengesellschaft. (See Chiger, Siegmund, assignor.)
- Gabbert, Fritz, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Diaphragm centering means. 1,974,914; Sept. 25.
- Gabbert, Hugh W. (See Couch, F. J., and Gabbert.)
- Gabel, John, Glencoe, assignor to The John Gabel Mfg. Co., Chicago, Ill. Automatic phonograph. 1,954,871; Apr. 17.
- Gabel, John, Mfg. Co., The. (See Gabel, John, assignor.)
- Gabel, John, Manufacturing Company, The. (See Samuelson, Theodore E., assignor.)
- Gabel, Samuel, Brooklyn, and D. A. Fenichell, Garnerville, N. Y. Beer barrel bung. 1,959,234; May 15.
- Gabel, Samuel, Brooklyn, and D. A. Fenichell, Garnerville, N. Y. Beer barrel bung. 1,966,384; July 10.
- Gable, C. P., et al. (See Butterworth, Samuel D., assignor.)
- Gable, George W., Philadelphia, Pa. Combination lamp and clock casing. Des. 92,841; July 24.
- Gabler, George C., Overland, and S. Tijnstra, University City, Mo., assignors, by mesne assignments, to Shell Development Company, San Francisco, Calif. Lining tanks. 1,971,308; Aug. 21.
- Gabler, Johann, Ettlingen, Germany. Weft-shoot-changing device for gripper looms. 1,943,012; Jan. 9.
- Gabriel, Arthur J., et al. (See Olson, Robert C., assignor.)
- Gabriel, Arthur R., New York, N. Y. Educational method. 1,946,683; Feb. 13.
- Gabriel, Charles L., Lawrence, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Coated paper and producing same. 1,946,203; Feb. 6.
- Gabriel, Charles L., Lawrence, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Coated paper and producing same. 1,946,204; Feb. 6.
- Gabriel, Charles L., Lawrence, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Coated paper and producing same. 1,946,205; Feb. 6.
- Gabriel, Charles L., and L. C. Swallen, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Ethylene glycol phthalate. 1,946,202; Feb. 6.
- Gabriel, Charles R., deceased, Brooklyn, N. Y.; J. W. Gabriel, executrix. Method and apparatus for trimming the edges of drawn shells or the like. 1,965,228; July 3.
- Gabriel Company, The. (See Kessler, Martin, assignor.)

- Gabriel, Gustave O., Newark, N. J. Window screen. 1,948,262; Feb. 20.
- Gabriel, Jenny W., executrix. (See Gabriel, Charles R.)
- Gabriel Kari-Keen Company, The. (See Bradford, Floyd B., assignor.)
- Gabriel, Leonard G., and J. F. Blott, London, England, assignors, by mesne assignments, to Colas Roads, Inc., Boston, Mass. Applying bitumen to a concrete foundation. 1,953,294; Apr. 3.
- Gabriel Pneumatic Vulcanizer, Inc. (See Pilblad, E. J., and Fetter, assignors.)
- Gabriel Steel Company. (See Zabriskie, William F., assignor.)
- Gabrielson, Carl, Syracuse, assignor to L C Smith & Corona Typewriters, Inc., New York, N. Y. Typewriting machine. Des. 92,070; Apr. 24.
- Gabrielson, Carl, assignor to L C Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 1,943,428; Jan. 16.
- Gabrielson, Carl, Syracuse, assignor to L C Smith & Corona Typewriters, Inc., New York, N. Y. Inking type impressions. 1,967,709; July 24.
- Gabrielson, Carl, assignor to L C Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 1,981,034; Nov. 20.
- Gadbois, Joseph E., Danielson, Conn. Derrick. 1,956,094; Apr. 24.
- Gadbois, Joseph E., Danielson, Conn. Derrick. 1,956,095; Apr. 24.
- Gadget's, Inc. (See Mallory, Bonnie L., assignor.)
- Gädke, Willi. (See Zahn, K., and Gädke.)
- Gaenssle, Paul W., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 92,531; June 19.
- Gaenssle, Paul W., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Artillery wheel. Des. 91,458; Feb. 6.
- Gaertner, Herman C. (See Bunch, W. H., Gaertner, and Bunch.)
- Gaertner Scientific Corporation, The. (See Gaertner, William, assignor.)
- Gaertner, William, Chicago, Ill., assignor to The Gaertner Scientific Corporation. Oxygen regulator. 1,957,951; May 8.
- Gaffers, Herman B., Watervliet, N. Y. Ladder brace. 1,941,890; Jan. 2.
- Gaffers, Herman B., Watervliet, N. Y. Combined extension ladder and trestle. 1,965,311; July 3.
- Gaffney, John J., assignor to National Folding Box Company, New Haven, Conn. Display container. 1,983,696; Dec. 11.
- Gaffney, Joseph B., and R. M. Hardgrove, Bethlehem, assignor to Fuller Lehigh Company, Fullerton, Pa. Slag-tapping spout and cut-off. 1,962,343; June 12.
- Gafford, George A., Cleveland, Ohio. Support. 1,952,494; Mar. 27.
- Gage, Charles S., Tarrytown, assignor to Lenthier Incorporated, New York, N. Y. Lip stick case. Des. 92,169; May 8.
- Gage, Charles S., Tarrytown, assignor to Lenthier Incorporated of New York City, New York, N. Y. Cream jar. Des. 92,799; July 17.
- Gage, Edward G., Brooklyn, assignor of one-half to Electrical Industries Manufacturing Company and one-half to L. Ottinger, New York, N. Y. Radiant energy distance determining system and apparatus. 1,961,757; June 5.
- Gage, Henry P., assignor to Corning Glass Works, Corning, N. Y. Lens. 1,960,148; May 22.
- Gagné, Arthur L., San Francisco, and J. A. Snyder, Mayfield, Calif., assignors to Intertype Corporation, Brooklyn, N. Y. Linerless mold. 1,947,390; Feb. 13.
- Gagné, Augustin, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 1,945,971; Feb. 6.
- Gagner, George E. (See Place, Bion C., assignor.)
- Gagnier Fibre Products Company, The. (See Elmer, Edwin J., assignor.)
- Gagnier, George E. (See Place, Bion C., assignor.)
- Gagnon, Flora. (See Gagnon, Henry J., assignor.)
- Gagnon, Henry J., assignor of one-half to F. Gagnon, Bay City, Mich. Sanding device for automotive vehicles. 1,942,921; Jan. 9.
- Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,966,009; July 10.
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Upholstery needle. 1,943,174; Jan. 9.
- Gahagan, Andrew, New York, N. Y., assignor, by mesne assignments, to The American Hardware Corporation, New Britain, Conn. Padlock. 1,983,747; Dec. 11.
- Gahn, Frank, assignor to Erie Resistor Corporation, Erie, Pa. Resistor. 1,984,925; Dec. 18.
- Gaidies, Georg. (See Ewest, H., and Gaidies.)
- Gaidies, Georg. (See Pirani, M., Reger, and Gaidies.)
- Gaidies, Georg., Berlin-Pankow, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,968,822; Aug. 7.
- Gaidies, Georg., Berlin-Pankow, E. Tarján, Berlin-Neu-Tempelhof, and M. Thomas Weisswasser, (Oberlausitz) Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 1,968,823; Aug. 7.
- Gail, George W., Ruxton, Md. Bed. 1,980,516; Nov. 13.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Tufted mattress and making the same. 1,941,794; Jan. 2.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Machine for assembling mattress tufts and tufting cords. 1,942,420; Jan. 9.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Manufacturing spring assemblies. 1,948,754; Feb. 27.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Mattress tufting apparatus. 1,983,169; Dec. 4.
- Gailey, Florence L., Los Angeles, Calif. Exercising device. 1,952,750; Mar. 27.
- Gaillard, Milton T., Halesite, and W. J. Woodcock, Brooklyn, N. Y. Spark-plug. 1,955,628; Apr. 17.
- Gainés, Abraham J., Chicago, Ill. Mirror supporting device. 1,984,676; Dec. 18.
- Gaines, Nathaniel, Elizabeth, N. J. Shower bath curtain and bracket. 1,980,618; Nov. 13.
- Gainer, Alton P., Philadelphia, Pa. Cap for dispensing containers. 1,980,049; Nov. 6.
- Gains, Chester R., Muscatine, Iowa. Electrical interval timer. 1,961,417; June 5.
- Gair, Robert, Company. (See Reilly, W., and Von Thein, assignors.)
- Gair, Robert, Company, Inc. (See Daley, Walter F., assignor.)
- Gair, Robert, Company, Inc. (See Jackson, C. S., and Penney, assignors.)
- Gair, Robert, Company, Inc. (See Von Thien, Theodore, assignor.)
- Gair, Robert, Company, Inc. (See Weiss, Arthur J., assignor.)
- Gaire, Paul G., New York, N. Y. Hair treating box. 1,958,163; May 8.
- Gairing, Emil, Detroit, Mich. Hollow milling tool. 1,978,180; Oct. 23.
- Gairing, Walter W., Kalamazoo Township, Kalamazoo County, assignor to Nielsen, Inc., Lawton, Mich. Lathe center. 1,946,684; Feb. 13.
- Gairing, Walter W., Kalamazoo Township, Kalamazoo County, assignor to Nielsen, Inc., Lawton, Mich. Lathe center. 1,962,499; June 12.
- Gaiser, Paul, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Thermometer. 1,978,746; Oct. 30.
- Gaisman, Henry J., New York, N. Y. Container. 1,944,075; Jan. 16.
- Gajewski, Fritz, Berlin-Charlottenburg, H. Fink, and E. Rossner, Premnitz, and H. Mahn, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Dissolving fibroin. 1,966,756; July 17.
- Gakle, Wendolyn F., L. F. Goss, and H. F. Kollinger, assignors to Kuhlman Electric Company, Bay City, Mich. Protective device for electrical apparatus. 1,961,608; June 5.
- Galanot, Camille P., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Dump body for vehicles. 1,957,497; May 8.
- Galanot, Camille P., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Gate operating mechanism. 1,959,912; May 22.
- Galanot, Camille P., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Gate-operating mechanism. 1,968,445; July 31.
- Galanot, Camille P., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Hoist for dump vehicles. 1,978,043; Oct. 23.
- Galatowitsch, Peter R., St. Paul, Minn. Combination swing. 1,956,502; Apr. 24.
- Galbani, Egidio, Milan, Italy. Casing box for cheese to be cut. 1,963,697; June 19.
- Galbraith, Dennis J., Plainfield, N. J. Pipe insulation. 1,966,341; July 10.
- Gabreath, William W., and R. M. Chesney, assignors to The Youngstown Pressed Steel Company, Warren, Ohio. Enameling apparatus. 1,955,491; Apr. 17.
- Gale, Charles E., Quincy, Mass. Method of and sheet for making flat opening books. 1,942,399; Jan. 9.
- Gale, Ernest L., Yonkers, N. Y., assignor, by mesne assignments, to Honesdale National Bank, Honesdale, Pa. Push button control system for elevators. 1,954,354; Apr. 10.
- Gale, Ernest L., Yonkers, N. Y., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa. System of control for elevators. 1,962,009; June 5.
- Gale, Ernest L., Yonkers, N. Y., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa. Push button control system for elevators. 1,978,670; Oct. 30.
- Gale, Ernest L., Yonkers, N. Y., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa. Intercepting push button control system. 1,983,748; Dec. 11.
- Galeski, Joseph S., Richmond, Va. Lens-grinding machine. 1,974,607; Sept. 25.
- Galex Die Casting Limited. (See Weiss, Paul, assignor.)
- Galiani, Alfred E. (See Fisher, L. H., and Galiani.)
- Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
- Galion Metallic Vault Co., The. (See Smith, Ralph E., assignor.)
- Galkin, Nathan B., New York, N. Y. Intermittent driving mechanism. 1,985,406; Dec. 25.

- Gall & Lembke, Inc. (See Obrig, Theodore E., assignor.)
 Gall, Stanley, Cincinnati, Ohio. Sausage casing. 1,985,564; Dec. 25.
 Gallagher, Blanche N. (See Ekstromer, Edward C., assignor.)
 Gallagher, Francis E., assignor to Behr-Manning Corporation, Troy, N. Y. Oilstone sharpening apparatus. 1,946,968; Feb. 13.
 Gallagher, James J., et al. (See Kohler, W., and Marquardt.)
 Gallagher, John T. (See McMullen, J., and Gallagher.)
 Gallagher, Stephen H., Utica, N. Y. Leaf spring lubricator. 1,945,187; Jan. 30.
 Gallagher, Thomas F. (See Koch, F. C., McGee, and Gallagher.)
 Gallaher, John C., Nicholasville, and J. P. Quiggins, Louisville, Ky. Coin controlled mechanism. 1,969,069; Aug. 7.
 Gallamore, Oliver H., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Flexible coupling. 1,943,791; Jan. 16.
 Gallant, John D., Westbrook, assignor to The E. T. Burrows Co. Inc. Portland, Maine. Folding table. 1,955,492; Apr. 17.
 Gallasch, George B. (See Patterson, W. L., and Gallasch.)
 Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 1,984,127; Dec. 11.
 Gallaudet, Edson F., East Greenwich, R. I. Process and apparatus for making filled and coated cords. 1,974,453; Sept. 25.
 Galloway, Ben, Ventura, Calif. Glare shield. 1,955,232; Apr. 17.
 Galloway, Claude H., Roussillon, assignor to Société des Usines Chimiques Rhone-Poulenc, Paris, France. Recovering resorcinol. 1,956,570; May 1.
 Galley, Ernest V. (See Galley, John A. and E. V.)
 Galley, John A., Edgecliff, and E. V. Galley, Randwick, New South Wales, Australia. Pea-shelling device. 1,960,737; May 29.
 Galli, Leon C., Beckenham, Christchurch, New Zealand. Automobile signal device. 1,953,107; Apr. 3.
 Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Remote control for movable members of machine tools. 1,942,092; Jan. 2.
 Gallimore, Keith F., and G. H. Schurger, assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Horizontal boring machine. 1,969,791; Aug. 14.
 Gallinger, Hiram B., Superior, Wis. Display card and holder. 1,959,665; May 22.
 Galloway, Charles D., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery filling machine. 1,942,641; Jan. 9.
 Galloway Engineering Company Limited. (See Galloway, James W., assignor.)
 Galloway Engineering Company Limited. (See Greening, Herald B., assignor.)
 Galloway Engineering Company Limited. (See Greening, H. B., and Galloway, assignors.)
 Galloway, Enoch W., University City, Mo. Brake testing apparatus. 1,979,032; Oct. 30.
 Galloway, James W. (See Greening, H. B., and Galloway.)
 Galloway, James W., assignor to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Change speed mechanism. 1,974,267; Sept. 18.
 Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Cam controlled hydraulic feed mechanism. 1,945,034; Jan. 30.
 Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Fluid actuated feed engaging mechanism. 1,960,699; May 29.
 Gallsworthy, Benjamin, Glenham, assignor to The Texas Company, New York, N. Y. Lubricant. 1,957,259; May 1.
 Gallsworthy, Benjamin, Glenham, assignor to The Texas Company, New York, N. Y. Cutting fluid. 1,964,983; July 3.
 Gallucci, Mary C., San Diego, assignor of one-half to F. Magnetti, Los Angeles, Calif. Picture frame support. 1,943,666; Jan. 16.
 Gallup, David L., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,961,851; June 5.
 Gallup, David L., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,402; July 24.
 Gallup, David L., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,974,565; Sept. 25.
 Gallusser, Hans, Geneva, Switzerland. Automatic slack adjuster. 1,951,014; Mar. 13.
 Gálócsy, Zsigmond. (See Koller, K., and Gálócsy.)
 Galson, Henry L., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Moisture extraction apparatus. 1,943,793; Jan. 16.
 Galson, Henry L., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drier and the like. 1,965,229; July 3.
 Galson, Henry L., and H. H. Belcher, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,966,405; July 10.
 Galter, Jack, and A. Waller, Chicago, Ill. Key container. Des. 92,800; July 17.
 Galter, Louis, assignor to Dosch-Kircher Organization, Inc., Chicago, Ill. Mailing folder. 1,951,144; Mar. 13.
 Galton, Charles W., Lampton, England. Electric power transformer. 1,965,739; July 10.
 Galush, Valentine. (See Ostrowski, Michael, assignor.)
 Galusha, Albert L., Caldwell, N. J. Gas producer. 1,947,339; Feb. 13.
 Galusha, Albert L., Caldwell, N. J. Gas producer and other furnaces. 1,950,236; Mar. 6.
 Galvin, Charles E., assignor to International Steel Wool Corporation, Springfield, Ohio. Method of and apparatus for collecting and padding steel wool. 1,968,289; July 31.
 Galvin, Charles E., assignor, by mesne assignments, to International Steel Wool Corporation, Springfield, Ohio. Machine for making metal wool. 1,977,053; Oct. 16.
 Galvin Manufacturing Corporation. (See Lear, William P., assignor.)
 Galvin Manufacturing Corporation. (See Mitchell, Donald H., assignor.)
 Galyon, John W., Springfield, Ill., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record controlled machine. 1,972,984; Sept. 11.
 Gamache, Fernande L., Burlington, Vt. Burglar protection device. 1,961,662; June 5.
 Gamache, Homer. (See Gamache, H., and Hance.)
 Gamache, Homer, and H. Hance, Newark, N. J.; said Hance assignor to said Gamache. Tobacco pipe. 1,983,360; Dec. 4.
 Gamache, Louis P., Inglewood, Calif. Oscillating valve. 1,974,454; Sept. 25.
 Gamard, Henri, Bourges, France. Electric gasifier. 1,941,678; Jan. 2.
 Gamba, Alfred, Wildegg, Switzerland. Braiding machine. 1,983,222; Dec. 4.
 Gamba, Alfred, Wildegg, Switzerland. Braiding machine. 1,983,223; Dec. 4.
 Gamba, Alfred, Wildegg, Switzerland. Braiding machine. 1,983,224; Dec. 4.
 Gambee, James J., Brooklyn, assignor of one-half to P. C. Waldeck, Manhasset, N. Y. Finger and hand guard. 1,951,190; Mar. 13.
 Gambell, Carlos H., assignor to Franklin Oil Heating Inc., Columbus, Ohio. Oil pilot for hydrocarbon burners. 1,975,266; Oct. 2.
 Gamber, Harry A., Sandusky, Ohio. Clamp device for pie pans. 1,966,497; July 17.
 Gamble, Slade C. B. (See Berolzheimer, S. M., and Gamble.)
 Gamble, Thomas B., et al. (See Browning, Artis J., assignor.)
 Gamewell Company, The. (See Beach, Clarence E., assignor.)
 Gamewell Company, The. (See Beach, C. E., and King, assignors.)
 Gamewell Company, The. (See Durbin, Vernon, assignor.)
 Gamichon, Paul, Paris, France. Obtaining lead in metallic condition. 1,942,208; Jan. 2.
 Gamichon, Paul, Paris, France. Treatment of ores containing lead. 1,950,000; Mar. 6.
 Gamichon, Paul, Paris, France. Securing compounds of lead. 1,958,699; May 15.
 Gammeter, John R., Akron, Ohio. Sprocket chain and making the same. 1,958,139; May 8.
 Gammeter, John R., Akron, Ohio. Mat or floor covering. 1,964,348; June 26.
 Gammeter, John R., Akron, Ohio. assignor to Revere Rubber Company, Providence, R. I. Making rubber thread. 1,943,381; Jan. 16.
 Gammeter, John R., Akron, Ohio. assignor to Revere Rubber Company, Providence, R. I. Making rubber bands. 1,949,465; Mar. 6.
 Gammeter, John R., Akron, Ohio. assignor to Revere Rubber Company, Providence, R. I. Dipped rubber article and making same. 1,951,402; Mar. 20.
 Gammeter, John R., Akron, Ohio. assignor, by mesne assignments, to The B. F. Goodrich Company. Ball winding machine. 1,974,212; Sept. 18.
 Gammeter, John R., Akron, Ohio. assignor to United States Rubber Company, New York, N. Y. Elastic thread. 1,982,208; Nov. 27.
 Gams, Alphonse, and K. Frey, Basel, Switzerland, assignors, by mesne assignments, to the firm of Ciba Products Corporation, Dover, Del. Solution of infusible amine-aldehyde condensation products and making same. 1,969,744; Aug. 14.
 Ganary, Ralph T., Westmont, N. J. Batter pitcher. Des. 92,170; May 8.
 Ganary, Ralph T., Westmont, N. J. Batter dispensing plunger. Des. 92,462; June 12.
 Ganaway, Bill, Waxahachie, Tex. Buster lead attachment for tractors. 1,981,228; Nov. 20.
 Gandillon, Pierre A., Paris, France. Lighting system for vehicles. 1,965,801; July 10.
 Gandion, Louis D., San Francisco, Calif. Truss. 1,964,113; June 26.
 Gandrup, Sidney. (See Gandrup, Vernon and S.)
 Gandrup, Vernon and S., Watsonville, Calif. Agricultural implement. 1,982,157; Nov. 27.
 Ganeval, Léon, Lyon, France. Machine for treating skeins of textile material. 1,950,845; Mar. 13.
 Ganforeco, George, et al. (See Ramos, Manuel, assignor.)
 Gangel, Frank, jr., et al. (See Hoedl, Joseph J., jr., assignor.)
 Ganger, Inc. (See Opferman, Joseph S., assignor.)
 Ganger, Paul, Esslingen, assignor to the firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart, Cannstatt, Germany. Filling device for packing machines. 1,943,013; Jan. 9.

- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Machine for filling and closing bags. 1,951,572; Mar. 20.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Device for detecting and indicating insufficiently filled packages in packing machines. 1,956,762; May 1.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Mechanism for closing filled bags. 1,959,577; May 22.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Machine for wrapping up orange-like articles. 1,960,903; May 29.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Rotary printing machine. 1,973,058; Sept. 11.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Machine for wrapping up oranges or similar articles. 1,974,046; Sept. 18.
- Gangstad, John O. (See Romeis, A. J., and Gangstad.)
- Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 1,983,975; Dec. 11.
- Gann, John A., F. L. Reynolds, and A. W. Winston, assignors to The Dow Chemical Company, Midland, Mich. Magnesium base forging alloy. 1,959,913; May 22.
- Gann, John A., and M. E. Brooks, assignors to The Dow Chemical Company, Midland, Mich. Making magnesium alloys. 1,960,700; May 29.
- Gannett, Chauncey W., Wellington, Ohio. Connecting wheel supports to barrow frame. 1,951,477; Mar. 20.
- Gannett, Chauncey W., assignor to The Wellington Machine Company, Wellington, Ohio. Caster. 1,979,378; Nov. 6.
- Gannett, Chauncey W., assignor to The Wellington Machine Company, Wellington, Ohio. Wheel. 1,980,479; Nov. 13.
- Gannett, Danforth K., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Transmission regulator circuits. 1,963,198; June 19.
- Gannett, Malcolm F., Springettsbury Township, York County, assignor to S. Morgan Smith Company, York, Pa. Hydraulic turbine. 1,967,302; July 24.
- Gannon, Edward P., Kansas City, Mo. Back bar superstructure. Des. 92,894; July 31.
- Gannon, Edward P., Kansas City, Mo. Back bar base. Des. 92,895; July 31.
- Gannon, Jesse, W. E. Reavis, and G. Baker, assignors to Oversewing Machine Company, Los Angeles, Calif. Automatic book making machine. 1,961,103; May 29.
- Gannon, Paul C., Pittsburgh, Pa. Valve for toilet tanks. 1,941,549; Jan. 2.
- Gano, Jennie C., Whittier, Calif. Avocado. Pl. Pt. 100; Aug. 7.
- Gans, John, Grymes Hill, Staten Island, assignor to Columbia Appliance Corporation, New York, N. Y. Dry cleaning apparatus and utilizing filter aid in connection therewith. 1,981,645; Nov. 20.
- Ganskow, Otto E. H., Berlin, Germany. Apparatus for trimming and grooving electrolyte plates and the like. 1,947,843; Feb. 20.
- Ganteaume, Felix A. (See Peterson, H. G., and Ganteaume.)
- Gantt, Paul T., Philadelphia, Pa. Building block. 1,976,664; Oct. 9.
- Gantz, Harry C., assignor of one-half to G. W. Milne, Seattle, Wash. Stamp affixing mechanism for printing presses. 1,956,862; May 1.
- Gantz, Moses F., Yonkers, N. Y. Embroidered textile fabric. Des. 93,918; Nov. 27.
- Ganz, Joseph, Frankfort-on-the-Main, Germany. Pedal arrangement for vehicles. 1,984,015; Dec. 11.
- Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Bottle. Des. 91,870; Apr. 3.
- Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Combination bottle and base. Des. 93,341; Sept. 18.
- Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Sachet powder container. Des. 93,652; Oct. 23.
- Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Combined bottle and stopper. Des. 93,713; Oct. 30.
- Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Box. Des. 93,975; Dec. 4.
- Ganz, Paul H., assignor to D. Lisner & Co., New York, N. Y. Sachet powder container. 1,983,496; Dec. 4.
- Garbage Eliminator, Inc. (See Dillon, Howard R., assignor.)
- Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Ribbon feed and reverse mechanism. 1,950,725; Mar. 13.
- Garber, A. L., Company, The. (See Gault, Glenn H., assignor.)
- Garber, Otis A. (See Harter, C., and Garber.)
- Garbsch, Paul. (See Ebert, G., Fries, and Garbsch.)
- Garbutt, Frank A. (See Hatherell, George A., assignor.)
- Garbutt, Frank A., Los Angeles, Calif. Chewing gum mixing method. 1,956,295; Apr. 3.
- Garbutt, Frank A., Los Angeles, Calif. Chewing gum machine. 1,977,052; Oct. 16.
- Garbutt, Frank E. (See Hatherell, G. A., Ingman, and Garbutt.)
- Garcia, Alfonso, Mexico, Mexico. Antiskid device for car wheels. 1,941,857; Jan. 2.
- Garcia, Joseph G., Oakland, Calif. Headlight beam control. 1,955,280; Apr. 17.
- Garcia, Vincente. (See Anzalone, F., Sposito, and Garcia.)
- Gard, Earle W. (See Black, J. C., and Rial, assignors.)
- Gard, Earle W., Palos Verdes Estates, and B. G. Aldridge, Watson, Calif. Manufacture of asphaltic products. 1,953,345; Apr. 3.
- Gard, Earle W., Palos Verdes Estates, and B. G. Aldridge, Long Beach, Calif. Process and apparatus for manufacture of asphaltic products. 1,953,346; Apr. 3.
- Gard, Earle W., Los Angeles, and B. G. Aldridge, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Vapor phase cracking of oil. 1,964,686; June 26.
- Gard, Earle W., Palos Verdes, and P. Subkow, assignors to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for heating and cracking oils. 1,980,330; Nov. 13.
- Gard, William H., Loveland, Colo. Water distributor. 1,985,565; Dec. 25.
- Garde, Age. (See Dreyfus, L., and Garde.)
- Gardeen, Carl J., assignor to Consolidated Electric Company, St. Paul, Minn. Pressure governor. 1,972,986; Sept. 11.
- Gardeen, Carl J., assignor to Consolidated Electric Company, St. Paul, Minn. Reversible motor. 1,972,987; Sept. 11.
- Gardella, Albert B., et al. (See Namet, Julius, assignor.)
- Gardella, Albert B., Cleveland, Ohio. Tweezers. 1,974,106; Sept. 18.
- Gardella, Nicholas G., assignor of one-half to W. Gardella, Richmond, Calif. Valve spring tool. 1,961,876; June 5.
- Gardella, William. (See Gardella, Nicholas G., assignor.)
- Gardeski, Sigmund D., Milwaukee, Wis. Bed attachment. 1,967,771; July 24.
- Gardner, Ivan S., Evanston, Ill. Container pouch. 1,978,257; Oct. 23.
- Gardner, Lion, assignor to The Jaeger Machine Company, Columbus, Ohio. Water tank for concrete mixers. 1,966,291; July 10.
- Gardner Metal Co. (See Sternad, Andrew F., assignor.)
- Gardner, Paul C., Scotia, N. Y., assignor to General Electric Company. Picture transmission. 1,950,171; Mar. 6.
- Gardner, William T., et al. (See Warner, E. T., and Ousdahl, assignors.)
- Gardner, William T., et al., trustees. (See Eddison, William B., assignor.)
- Gardner, William T., et al., trustees. (See Wetmore, Bert D., assignor.)
- Gardler, George. (See Stewart, R. T., and Gardler.)
- Gardner, Abbott. (See Fleischmann, J. A., Walton W. and F. O. Sullivan.)
- Gardner, Albert B., Racine, Wis. Rotary engine. 1,972,335; Sept. 4.
- Gardner, Albert B., Racine, Wis. Stabilizer for aeroplanes. 1,972,336; Sept. 4.
- Gardner, Albert B., Racine, Wis. Aircraft propeller. 1,972,337; Sept. 4.
- Gardner, Albert B., Racine, Wis. Construction for aircraft. 1,975,098; Oct. 2.
- Gardner, Alexander F., Werribee, Victoria, Australia. Hydraulic transmission mechanism. 1,966,979; July 17.
- Gardner, Alfred T. (See Davis, A. B., Thompson, and Gardner.)
- Gardner, Archibald D., Jackson, Mich. Pump. 1,969,881; Aug. 14.
- Gardner, Archibald D., Jackson, Mich. Fan construction. 1,977,942; Oct. 23.
- Gardner, Bernard C., and R. H. Varian, Philadelphia, Pa., assignor to Television Laboratories, Ltd., San Francisco, Calif. Production of refractory metal leaf. 1,979,539; Nov. 6.
- Gardner, Charles F., Weehawken, and E. E. Brass, Highland Park, N. J. Combustion controlling device. 1,979,462; Nov. 6.
- Gardner, Clyde, deceased, by E. B. Gardner, administratrix, Ebsenburg, Pa., assignor to Gardner Company, Orange, N. J. Calculating machine. 1,966,584; July 17.
- Gardner Company. (See Crosman, Loring P., assignor.)
- Gardner Company. (See Gardner, Clyde, assignor.)
- Gardner, Cummings, Los Angeles, Calif., assignor to S. G. S. Industries, Inc., Dover, Del. Window shade adjustment fixture. 1,954,076; Apr. 10.
- Gardner, David I., Dubois, Idaho. Bituminous ditch liner. 1,981,788; Nov. 20.
- Gardner, Delamere B., Los Angeles, Calif. Prism. 1,963,127; June 19.
- Gardner-Denver Company. (See Chase, Harry M., assignor.)
- Gardner-Denver Company. (See Katterjohn, August H., assignor.)
- Gardner-Denver Company. (See Pearson, Gustav C.)
- Gardner-Denver Company. (See Young, P. S., and McKenzie, assignors.)
- Gardner, Dozier L., assignor to St. Louis Casket Company, St. Louis, Mo. Casket. Des. 92,896; July 31.
- Gardner, Edna B., administratrix. (See Gardner, Clyde.)
- Gardner, Franklin T. (See Higgins, E. C., Jr., and Gardner.)

- Gardner, Frederick P., assignor to Fabricord, Inc., New York, N. Y. Cleaning fibers. 1,959,757; May 22.
- Gardner, Frederick P., New York, N. Y., assignor to Tropical Fibres, Inc., East Orange, N. J. Fiber cleaning belt-machine. 1,960,663; May 29.
- Gardner, Henry A., Washington, D. C. Treated pigment. 1,963,896; June 19.
- Gardner, Henry A., Washington, D. C. Disinfecting. 1,968,136; July 31.
- Gardner, Henry A., Washington, D. C. Zinc-base white pigment and making the same. 1,979,379; Nov. 6.
- Gardner, Henry A., Washington, D. C. Pigment and manufacture. 1,979,380; Nov. 6.
- Gardner, Henry A., Washington, D. C. Coating and impregnating composition. 1,984,368; Dec. 18.
- Gardner, Henry A., Washington, D. C., and L. P. Hart, Clarendon, Va., assignors to Henry A. Gardner Laboratory, Inc., Washington, D. C. Sulphur terpene compounds and producing the same. 1,963,084; June 19.
- Gardner, Henry A., Laboratory, Inc. (See Gardner, H. A., and Hart, assignors.)
- Gardner, James R., assignor of one half to Howell & Company Limited, Sheffield, England. Push bench tube die. 1,952,245; Mar. 27.
- Gardner, John E. (See Diener, J. A., and Gardner.)
- Gardner, John E., Chicago, Ill. Selecting system. 1,952,368; Mar. 27.
- Gardner, John E., Clarendon Hills, Ill. Selecting system. 1,952,369; Mar. 27.
- Gardner, John E., Chicago, Ill. Selecting system. 1,982,290; Nov. 27.
- Gardner, Leland A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Electric switching device. 1,972,985; Sept. 11.
- Gardner Machine Company. (See Hall, Donald R., assignor.)
- Gardner Machine Company. (See Shue, Ingle R., assignor.)
- Gardner, Percy, New York, and H. Gerstein, Arverne, assignors to Lever Bias Machine Corporation, Brooklyn, N. Y. Bias cutting machine. 1,955,281; Apr. 17.
- Gardner, Percy, New York, and H. Gerstein, Arverne, assignors to Lever Bias Machine Corporation, Brooklyn, N. Y. Bias cutting and wind-up apparatus. 1,955,282; Apr. 17.
- Gardner, Prince A., jr., University City, Mo. Bill fold or receptacle. 1,942,473; Jan. 9.
- Gardner, Prince A., jr., St. Louis, Mo. Embossing and printing machine. 1,943,068; Jan. 9.
- Gardner, Prince A., jr., St. Louis, Mo. Billfold. 1,945,188; Jan. 30.
- Gardner, Prince A., jr., St. Louis, Mo. Embossing and printing machine. 1,948,911; Feb. 27.
- Gardner, Prince A., jr., St. Louis, Mo. Billfold. 1,964,460; June 26.
- Gardner, Prince A., jr., St. Louis, Mo. Billfold. 1,964,461; June 26.
- Gardner, Prince A., jr., St. Louis, Mo. Billfold. 1,972,295; Sept. 4.
- Gardner, Prince A., jr., St. Louis, Mo. Billfold. 1,983,847; Dec. 11.
- Gardner-Richardson Company, The. (See Harvey, Arthur R., assignor.)
- Gardner-Richardson Company, The. (See Swan, Joseph H., 3d, assignor.)
- Gardner-Richardson Company, The. (See Thomas, C. A., and Swan, assignors.)
- Gardner, Robert L., and R. D. Lloyd, Pittsburgh, Pa. Safety razor blade. 1,976,987; Oct. 16.
- Gardner, Thomas E., Waterville, N. C. Safety ladder attachment. 1,961,289; June 5.
- Gardner, William. (See Smith, W. S., Garnett, Dean, Channon, Gardner, and Wilson.)
- Gardner, William H., and C. M. Relton, Seaside, Oreg. Automatic golfing tee. 1,965,697; July 10.
- Gardner, Willis W., Meriden, Conn. Pneumatic stopper for gas mains. 1,946,138; Feb. 6.
- Garey, John P., Elmira Heights, and L. B. Hasbrouck, assignors to Eclipse Textile Devices, Inc., Elmira, N. Y. Method and apparatus for dyeing yarn. 1,960,183; May 22.
- Garfein, Ralph T., Easton, Pa., assignor to The Canister Company, Phillipsburg, N. J. Container. 1,949,303; Feb. 27.
- Garfield, James L., Drexel Hill, Pa. Display backing and card. 1,959,578; May 22.
- Garfield, Lewis E. (See Scott, F., and Garfield.)
- Garfield, Lewis E., Houston, Tex. Core bit plug attaching device. 1,954,777; Apr. 10.
- Garfield, Lewis E., assignor to Hughes Tool Company, Houston, Tex. Bearing for drill cutters. 1,983,283; Dec. 4.
- Garfield Manufacturing Company. (See Werner, Leo J., assignor.)
- Gargan, John O., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,976,489; Oct. 9.
- Gargan, Patrick, Brooklyn, N. Y. Ratchet movement. 1,951,191; Mar. 13.
- Gargel, Edwin B., Toledo, Ohio. Speed indicating mechanism. 1,971,178; Aug. 21.
- Garigliano, Frank, and L. Lattanzi, Mount Kisco, N. Y. Vehicle antiskid device. 1,974,773; Sept. 25.
- Garity, William E., assignor to Walt Disney Productions, Ltd., Los Angeles, Calif. Timer. 1,964,909; July 3.
- Garl, Linnie, executrix. (See Garl, Manious.)
- Garl, Manious, deceased, Akron, Ohio; Linnie Garl, executrix. Signal apparatus. 1,968,824; Aug. 7.
- Garland, Milton W. (See Shenton, F., and Garland.)
- Garland, Milton W., assignor to Frick Company, Waynesboro, Pa. Refrigerant circuit for refrigerating systems. 1,954,695; Apr. 10.
- Garland, Robert H., et al. (See Brown, William Y., assignor.)
- Garlington, William L., St. Petersburg, Fla. Sectionalizing relay apparatus. 1,982,986; Dec. 4.
- Garllus, Bernt, assignor to Alexander J. McDonough, Detroit, Mich. Boiler feed water regulator. 1,946,529; Feb. 13.
- Garlock Packing Company, The. (See Fox, Edgar N., assignor.)
- Garlock Packing Company, The. (See Hubbard, Cecil R.)
- Garlock Packing Company, The. (See Hubbard, C. R., and Armstrong, assignors.)
- Garlock Packing Company, The. (See Hubbard, C. R., and Waples, assignors.)
- Garman, Frank M., Neillsville, Wis. Automatic draft regulator. 1,946,157; Feb. 6.
- Garman, George W., Scotia, N. Y., assignor to General Electric Company. Regulating system. 1,947,197; Feb. 13.
- Garman, George W., Scotia, N. Y., assignor to General Electric Company. Electrical regulating apparatus. 1,947,292; Feb. 13.
- Garman, George W., Scotia, N. Y., assignor to General Electric Company. Gas conduction device. 1,957,205; May 1.
- Garner, Herman H., assignor to Vortox Manufacturing Company, Claremont, Calif. Air cleaner having internal axial inlet. 1,972,398; Sept. 4.
- Garner, James B., R. W. Miller, and G. B. Leyden, Pittsburgh, Pa., assignors to Standard Oil Development Company. Processing hydrocarbon gas. 1,954,991; Apr. 17.
- Garnett, Henry J. (See Smith, W. S., Garnett, and Dean.)
- Garnett, Henry J. (See Smith, W. S., Garnett, Dean, Channon, Gardner, and Wilson.)
- Garnett, Henry J. (See Smith, W. S., Garnett, Dean, Habgood, and Channon.)
- Garney, Harry. (See Claus, A., and Garney.)
- Garno, George E. (See Barrett, L. J., and Garno.)
- Garofalo, Ross J., assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for cracking oils. 1,948,345; Feb. 20.
- Garofalo, Ross J., Alhambra, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Treatment and dewaxing of petroleum. 1,948,346; Feb. 20.
- Garoni Products Company. (See Rolle, John B., assignor.)
- Garoutte, John O., Webb City, Mo. Starter switch. 1,984,736; Dec. 18.
- Garratt, Fred C., jr. (See Evans, W. B., Garratt, and Hoppes.)
- Garraway, George C., Rutherford, N. J. Hinge member for loose leaves. 1,977,794; Oct. 23.
- Garre, Samuel, jr., Pelham, N. Y. Air conditioning system. 1,963,698; June 19.
- Garreau, Henri, Paris, France, assignor to the Firm Rotary Furnaces Limited, Brussels, Belgium. Heating device for rotary furnaces. 1,985,566; Dec. 25.
- Garreau, Louis. (See Matheret, R., and Garreau.)
- Garretson, John D., Oakland, Calif. Safety razor. 1,942,692; Jan. 9.
- Garretson, John D., Oakland, Calif. Safety razor. 1,952,370; Mar. 27.
- Garrett, Charles H., Dallas, Tex. Frequency control for amplifiers. 1,953,475; Apr. 3.
- Garrett, Charles R., Westmont, N. J., assignor to General Electric Company. Remote control system for radio receiving apparatus and the like. 1,956,419; Apr. 24.
- Garrett, Frank, Yakima, Wash. Holder for paper rolls. 1,980,619; Nov. 13.
- Garrett, George K., Bryn Mawr, Pa. Forging head. 1,974,566; Sept. 25.
- Garrett, Henry A., Xenia, Ohio. Compound tool. 1,945,430; Jan. 30.
- Garrett, Neal, Glendale, Calif. Apparatus for building walls. 1,963,978; June 26.
- Garrett, Neal, Glendale, Calif. Making structures. 1,963,979; June 26.
- Garrett, Neal, Glendale, Calif. Structure. 1,963,980; June 26.
- Garrett, Neal, Glendale, Calif. Apparatus for building structures. 1,963,981; June 26.
- Garrett, Neal, Glendale, Calif. Erecting structures. 1,963,982; June 26.
- Garrett, Neal, Glendale, Calif. Building floor and roof structures. 1,963,983; June 26.
- Garrett, Neal, Glendale, Calif. Constructing buildings. 1,963,984; June 26.
- Garrett, Neal, Glendale, Calif. Form panel and apparatus for use therewith. 1,963,985; June 26.
- Garrett, R. E. (See Givens, Frank M., assignor.)
- Garrett, Richard, Berkeley, Calif. Christmas tree base. 1,971,800; Aug. 21.
- Garrett, William T., jr., Clinton, Tenn. Automobile signal. Des. 91,775; Mar. 20.
- Garrick, Ernest E., Outlook, Mont. Hoisting apparatus. 1,983,749; Dec. 11.

- Garrigue, William & Co. (See Sieck, William, jr., assignor.)
- Garrison, Clarence W., Fort Wayne, Ind., assignor to The Koppers Company of Delaware. Purifying a hydrocarbon gas and a hydrocarbon oil. 1,942,054; Jan. 2.
- Garrison, Clarence W., Fort Wayne, Ind., assignor to The Koppers Company of Delaware. Purifying oil. 1,973,895; Sept. 18.
- Garrison, Murray E., Los Angeles, Calif., and W. F. Van Loenen, Casper, Wyo., assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Wetted septum separator and method. 1,947,709; Feb. 20.
- Garrison, Murray E., Long Beach, Calif., and W. F. Van Loenen, Casper, Wyo., assignors to Petroleum Rectifying Company of California. Method of and apparatus for agglomerating suspended particles. 1,980,772; Nov. 13.
- Garrison, Thomas T., Los Angeles, Calif. Thrust bearing. 1,966,795; July 17.
- Garrod, Ernest R. (See Bishop, N., and Garrod.)
- Garrow, James A. (See Geonen, L. E., and Garrow.)
- Gars, Spiros, Fresno, Calif. Spraying or burning machine. 1,961,877; June 5.
- Garshelis, Samuel, New York, N. Y. Liquid circulating device. 1,951,904; Mar. 20.
- Garson, Thorvald N., New Brighton, Staten Island, N. Y. Crane. 1,975,359; Oct. 2.
- Garson, Thorvald N., New Brighton, Staten Island, N. Y. Drum operating mechanism for portable cranes. 1,979,612; Nov. 6.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,948,518; Feb. 27.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,962,634; June 12.
- Gartley, William H., Philadelphia, Pa. Tar washbox apparatus. 1,956,321; Apr. 24.
- Gartner, John H. (See Schapp, A. J. D., and Gartner.)
- Garton, Charles G., Rugby, England, assignor to General Electric Company. Electric measuring system. 1,961,823; June 5.
- Garver, Jacob C., assignor to Detroit Cabinet Company, Inc., Tippecanoe City, Ohio. Furniture post. Des. 91,815; Mar. 27.
- Garver, Jacob C., assignor to Detroit Cabinet Company, Inc., Tippecanoe City, Ohio. Furniture drawer. Des. 92,245; May 15.
- Garvey, Benjamin S., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vented mold. 1,983,976; Dec. 11.
- Garvey, James D., Chicago, Ill. Sponge holder. 1,941,550; Jan. 2.
- Garvey, James D., Chicago, Ill. Sprinkling system. 1,977,381; Oct. 16.
- Garvey, Kenneth A., assignor to The Wahl Company, Chicago, Ill. Pencil eraser. 1,943,792; Jan. 16.
- Garvie, James, Bedford Park, London, England. Steam jet pump. 1,982,378; Nov. 27.
- Garwood, Charles B. (See Hilgenberg, C. G., and Garwood.)
- Gary, Alphonse, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Embossing cylinders for the goffering of films. 1,982,209; Nov. 27.
- Gary, Jacques L., assignor of one-half to W. P. Decker, Mount Vernon, N. Y. Safety electrical connector. 1,967,021; July 17.
- Gary, Laurence A., and H. R. Harvey, San Francisco, Calif. Scanning recorder. 1,952,204; Mar. 27.
- Garvent, John E., assignor to Motor Wheel Corporation, Lansing, Mich. Barrel or similar article. Des. 92,295; May 22.
- Gas and Oil Lock Corporation, The. (See Young, Marvin S., assignor.)
- Gas and Oil Lock Corporation, The. (See Young, M. S., and Novick, assignors.)
- Gas Fuel Corporation. (See Ditto, Marvin W., assignor.)
- Gas Fuel Corporation. (See Russell, Robert H., assignor.)
- Gas Furnace Control Co. (See Payne, El Roy L., assignor.)
- Gas Light and Coke Company, The. (See Clark, J. G. Masterman, and Noble, assignors.)
- Gas Light and Coke Company, The. (See Masterman, Cyril A., assignor.)
- Gase, Carl G., assignor to The Weldon Tool Company, Cleveland, Ohio. Adapter and tool holder. 1,958,817; May 15.
- Gaseles, Manuel G., et al. (See Ramos, Manuel, assignor.)
- Gaskell, Joseph, St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for the production of welded wire fabric. 1,945,899; Feb. 6.
- Gaskell, Joseph, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for the production of wired glass. 1,967,932; July 24.
- Gaskell, Walter L. (See Hope, Robert, assignor.)
- Gaskill, Alfred T. (See Geiger, W. J., and Gaskill.)
- Gaskill, Charles E. (See Shapard, Henry L., assignor.)
- Gaskill, Kenneth W., Cleveland, Ohio. Fluid-operated gear-shifting mechanism. Re19,382; Nov. 27.
- Gasolaire Corporation, The. (See Curioni, Aldo, assignor.)
- Gasoline Antioxidant Company. (See Bjerregaard, August P., assignor.)
- Gasoline Antioxidant Company. (See Calcott, W. S., and Lee, assignors.)
- Gasoline Antioxidant Company. (See Calcott, W. S., and Walker, assignors.)
- Gasoline Antioxidant Company. (See Hannum, Chester W., assignor.)
- Gasoline Antioxidant Company. (See Rogers, T. H., and Voorhees, assignors.)
- Gasoline Antioxidant Company. (See Winning, Carl, assignor.)
- Gasoline Products Company. (See Brewster, Oswald C., assignor.)
- Gasoline Products Company. (See Cross, Walter M., assignor.)
- Gasoline Products Company. (See Davis, Albert G., assignor.)
- Gasoline Products Company. (See Dorsch, Russell F., assignor.)
- Gasoline Products Company. (See Keith, Percy C., jr., assignor.)
- Gasoline Products Company. (See Laird, Wilbur G., assignor.)
- Gasoline Products Company, Inc. (See Black, John C., assignor.)
- Gasoline Products Company, Incorporated. (See Coxon, George H., assignor.)
- Gasoline Products Company, Inc. (See Cross, Walter M., assignor.)
- Gasoline Products Company Incorporated. (See Dunstan, A. E., and Wheeler, assignors.)
- Gasoline Products Company, Inc. (See Widdell, Henry E., assignor.)
- Gaspár, Béla, Berlin, Germany. Indirectly producing color photographs. 1,956,017; Apr. 24.
- Gaspár, Béla, Temesvar, Rumania. Producing multi-color photographic reproductions and cinematograph films. 1,956,122; Apr. 24.
- Gaspár, Béla, Berlin, Germany. Producing multicolor photographs and cinematograph pictures. 1,985,344; Dec. 25.
- Gaspari, J., & Co., Inc. (See Gaspari, Joseph, assignor.)
- Gaspari, Joseph, New York, N. Y. Eyeglass frame and eyeglass rimless mounting. 1,971,444; Aug. 28.
- Gaspari, Joseph, assignor to J. Gaspari & Co., Inc., New York, N. Y. Eyeglass frame of the folding or collapsible type. 1,974,455; Sept. 25.
- Gasparik, Rudolph, assignor of ten per cent to Morton Lane, New York, N. Y. Electrical circuit. 1,960,701; May 29.
- Gass, William G., Bolton, England. Apparatus for rotating banks during dyeing, finishing, and the like. 1,978,258; Oct. 23.
- Gassaway, Frank T. (See Gassaway, Walter T. and F. T.)
- Gassaway, Walter T. and F. T., Sacramento, Calif. Removable valve guide. 1,972,650; Sept. 4.
- Gassen, Josef, Dusseldorf-Oberkassel, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Rolling mill. 1,962,586; June 12.
- Gassen, Josef, Dusseldorf-Oberkassel, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Manufacture of wire. 1,977,989; Oct. 23.
- Gassificatore Lampo Società Anonima. (See Colombo, V., and Olivari, assignors.)
- Gassner, Ludwig, Frankfurt-on-the-Main, assignor, by mesne assignments, to Deutsche Gesellschaft für Schädling-Bekämpfung, m. b. H., Frankfurt, Germany. Indicating the presence of toxic substances. 1,949,466; Mar. 6.
- Gassner, Sebastian. (See Neelmeier, W., Gassner, and Meiser.)
- Gassner, Sebastian. (See Sander, L., and Gassner.)
- Gassner, Sebastian, and H. Berthold, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Printing of textile fibers. 1,945,221; Jan. 30.
- Gassner, Sebastian, and W. Meiser, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthracene derivative. 1,960,375; May 29.
- Gassstrom, Herman M., Mount Vernon, N. Y. Hinge joint for folding rules. 1,965,230; July 3.
- Gasswint, Charles W., and E. H. Young, Mason City, Iowa. Awning rod holder. 1,950,940; Mar. 13.
- Gast, Albert K., St. Joseph, Mo. Machine for trimming window shades. 1,964,984; July 3.
- Gast, Fred W. (See Eble, F. X. A., and Gast.)
- Gast, Theodore A., assignor to The Harmony Company, Chicago, Ill. Stringed musical instrument and sound amplification. 1,961,900; June 5.
- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Knitted fabric. Des. 92,071; Apr. 24.
- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Specimen-holding device. 1,964,462; June 26.
- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Runproof knitted fabric and article such as stockings, and making same. 1,965,034; July 3.
- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Novel mechanism and producing special loop formations in knitted fabrics. 1,977,676; Oct. 23.
- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Elastic braided article and making the same. 1,978,259; Oct. 23.
- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Forming special loops in knitted fabrics. 1,978,454; Oct. 30.
- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Loop regulating mechanism for full fashioned knitting machines. 1,981,035; Nov. 20.

- Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Runproof knitted fabrics and articles, such as stockings, and making the same. 1,983,128; Dec. 4.
- Gatch, Milton W., Baltimore, Md. Fly swatter blade. Des. 92,341; May 29.
- Gatch, Milton W., Baltimore, Md. Crab trap. 1,968,758; July 31.
- Gatch, Robert F., Columbus, Ohio. Engine. 1,952,495; Mar. 27.
- Gateka, Floyd F., Chickasha, Okla. Wire connecter. 1,953,709; Apr. 3.
- Gately, John. (See Cohen, A., and Gately.)
- Gates, Charles C., Denver, Colo. Belt measuring machine. 1,955,581; Apr. 17.
- Gates, Charles C., Denver, Colo. Cone belt. 1,969,792; Aug. 14.
- Gates, Edwin B., assignor to The Atlas Mineral Products Company, Mertztown, Pa. Laying tile floors. 1,985,159; Dec. 18.
- Gates, Edwin B., assignor to The Atlas Mineral Products Company, Mertztown, Pa. Constructing tanks. 1,985,160; Dec. 18.
- Gates, George W. (See Martel, Adelard F., assignor.)
- Gates, Henry S., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 1,976,609; Oct. 9.
- Gates, Howard A., assignor to Colonial Radio Corporation, Buffalo, N. Y. Indicator. 1,944,554; Jan. 23.
- Gates, Leroy G., Bakersfield, assignor to Standard Oil Company of California, San Francisco, Calif. Breather valve. 1,975,144; Oct. 2.
- Gathmann, Emil, Baltimore, Md. Apparatus for stripping ingots from ingot molds. Re19,086; Feb. 20.
- Gathmann, Emil, Baltimore, Md. Producing ingots. 1,978,996; Oct. 30.
- Gatlin, Luther E., Newberry, S. C. assignor to Draper Corporation, Hopedale, Mass. Filling carrier support for looms. 1,941,937; Jan. 2.
- Gattinger, Alice, New York, N. Y. Device for taking up heater cord slack. 1,974,811; Sept. 25.
- Gattoni, John, Union City, assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Precision balance. 1,964,349; June 26.
- Gatty, Harold, Ocean Park, Calif. Ground speed and drift indicator. 1,977,762; Oct. 23.
- Gatty, Harold C. (See Weems, P. V., and Gatty.)
- Gatyas, Louis W. (See Klarmann, E., and Gatyas.)
- Gaubert, John Q., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical apparatus. 1,942,961; Jan. 9.
- Gaudenzi, Arthur. (See Hallopeau, F., Boveri, and Gaudenzi.)
- Gaudenzi, Arthur. (See Widmer, S., and Gaudenzi.)
- Gaudenzi, Arthur, Baden, and E. Kobel, Ennetbaden, assignors to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric current rectifier control. 1,971,711; Aug. 28.
- Gaudin, Antoine M., Salt Lake City, Utah. Floating hematite. 1,979,324; Nov. 6.
- Gaudreau, Charles D., Springfield, Mass., assignor to Bay State Tool & Machine Co. Cloth winding rack. 1,969,303; Aug. 7.
- Gauerke, Chester G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oil paint resistant to yellowing. 1,975,783; Oct. 9.
- Gauerke, Chester G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed synthetic oil and product derived therefrom. 1,979,260; Nov. 6.
- Gauger, Frank A., Milwaukee, Wis. Thermostat. 1,954,446; Apr. 10.
- Gauger, Frank A., Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company. Safety pilot light. 1,960,777; May 29.
- Gaughran, Edward. (See Gaughran, John J. jr., and E.)
- Gaughran, John J. jr. and E. Muncie, Ind. Window ventilator. 1,967,504; July 24.
- Gaul, William, Mount Prospect, assignor, by mesne assignments, to The Carpenter-Hiatt Sales Company, Chicago, Ill. Pacing form. 1,963,986; June 26.
- Gault, Glenn H., assignor to The A. L. Garber Company, Ashland, Ohio. One-piece folding box. 1,978,626; Oct. 30.
- Gault, Henry, and B. M. R. Angla, Lyon, assignors to Societe des Usines Chimiques Rhone-Pu-enc. Paris, France. Manufacture of new cellulose esters. 1,969,882; Aug. 14.
- Gaunt, Benjamin E., assignor to Swift and Company, Chicago, Ill. Shaping means. 1,968,384; July 31.
- Gauntlett, Cecil G., San Francisco, Calif. Mat construction. 1,970,959; Aug. 21.
- Gaus, George E., Washington, D. C. dedicated to the free use of the Government and the People. Wire bale-tie. 1,961,418; June 5.
- Gaus, George E., Washington, D. C. dedicated to the free use of the Government and the People. Wire bale tie. 1,963,359; June 19.
- Gaus, George E., Washington, D. C. dedicated to the free use of the Government and the People. Inserting identification tag fasteners. 1,968,937; Aug. 7.
- Gaus, George E., Washington, D. C. dedicated to the free use of the Government and the People of the United States. Label and employing the same. 1,977,123; Oct. 16.
- Gauthier, Albert, and E. Lalonde, Penetanguishene, Ontario, Canada. Dashboard gear shift arrangement. 1,977,510; Oct. 16.
- Gauthreaux, T. H. (See Morrow, Emmett H. and J. C., assignors.)
- Gautieri, John, Providence, R. I. Multiple stone jewelry unit. 1,958,946; May 15.
- Gavaza, George V., Quincy, Mass. Receptacle filling and draining device. 1,950,172; Mar. 6.
- Gavaza, George V., Quincy, Mass. Receptacle filling and draining device. 1,963,522; June 19.
- Gaver, Roscoe M., Irvington, N. J. Toy power shovel. 1,955,457; Apr. 17.
- Gavett, Weston, Plainfield, N. J. Aeration of fluids. 1,969,644; Aug. 7.
- Gavin, Gordon P. (See Brotz, J. G., and Gavin.)
- Gavin, Gordon P. (See Kohler, C. J., and Gavin.)
- Gavin, Gordon P., Kohler, Wis. Water closet bowl. 1,964,876; July 3.
- Gavin, Gordon P., and F. G. Brotz, Kohler, Wis. Flush tank and closet bowl combination. 1,970,799; Aug. 21.
- Gavlak, Joseph G., Monongahela City, Pa. Cleaning and polishing machine. 1,978,838; Oct. 30.
- Gaw, Lewis H., Los Angeles, Calif. Scissors sharpener. 1,964,627; June 26.
- Gawan, Frank. (See Butz, C. H., and Gawan.)
- Gawlik, Severn I., Houston, Tex. Combination tool for loose leaf binders. 1,965,546; July 3.
- Gaxiola, Ignacio P., Nogales, Ariz. Cigarette case. 1,957,261; May 1.
- Gay, Allie D., Port Arthur, Tex. Battery terminal clamp. 1,968,137; July 31.
- Gay, Arthur W., assignor to The Gewert Manufacturing Company, Reading, Pa. Internal heating arm. 1,978,156; Oct. 23.
- Gay, Azel, assignor to Multipost Co., Rochester, N. Y. Mailing machine. 1,949,158; Feb. 27.
- Gay, Azel, assignor to Multipost Co., Rochester, N. Y. Envelope sealing machine. 1,957,827; May 8.
- Gay, Frazer W., Newark, N. J., assignor to General Cable Corporation, New York, N. Y. Cooling system for electrical cables. 1,948,964; Feb. 27.
- Gay, Norman H., Los Angeles, Calif. Washing and cooling machine for celery and like articles. 1,960,104; May 22.
- Gay, Norman H., Los Angeles, Calif. Method and apparatus for the compressional production of cake ice. 1,963,842; June 19.
- Gay, Vincent B., Clinton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for forming tires. 1,947,258; Feb. 13.
- Gayler, Arthur, Reutlingen, Germany. Machine for separating maculate parts of sheet paper. 1,957,260; May 1.
- Gaylord Brothers. (See Van Dusen, George, assignor.)
- Gaylord Company, The. (See Gaylord, John F., assignor.)
- Gaylord, John F., Muncie, Ind. Free wheeling device. 1,960,664; May 29.
- Gaylord, John F., Muncie, Ind., assignor to The Gaylord Company, Inc., Homer, La. Clutch mechanism. 1,965,117; July 3.
- Gaylord, Robert, Incorporated. (See Fallert, Clifford D., assignor.)
- Gaylord, Robert, Incorporated. (See George, Walter, assignor.)
- Gaylord, Robert, Incorporated. (See Hane, Hubert H., assignor.)
- Gaylord, Robert, Incorporated. (See Whalley, George E., assignor.)
- Gaylord, Robert, Incorporated. (See Williams, Benjamin M., assignor.)
- Gaylord, Robert, Incorporated. (See Young, Vertrees, assignor.)
- Gaynor, Arthur C., Stratford, Conn. Attachment-plug receptacle. Re19,316; Sept. 18.
- Gaynor, Arthur C., Stratford, Conn. Electric switch. 1,966,091; July 10.
- Gaynor, Arthur C., Stratford, Conn. Electric switch. 1,969,263; Aug. 7.
- Gaynor, Arthur C., Stratford, Conn. Ash receiver and extinguisher. 1,977,437; Oct. 16.
- Gaynor, Edwin G., Fairfield, Conn. Automatic control for refrigerators, etc. 1,979,103; Oct. 30.
- Gaynor, John J., Delphi, Ind., assignor of one-half to A. I. Risser, Chicago, Ill. Cap applying machine. 1,958,476; May 15.
- Gaynor, John J., Delphi, Ind., assignor of one-half to A. I. Risser, Chicago, Ill. Container capping machine. 1,978,671; Oct. 30.
- Gaynor, Sydney B., Los Angeles, Calif. Bottle. Des. 92,953; Aug. 7.
- Gayter, Eric, Altrincham, assignor to Linotype and Machinery Limited, London, England. Typographical line-casting machine. 1,941,741; Jan. 2.
- Gazda, Anton, Vienna, Austria. Humidifier for carburetor. 1,945,431; Jan. 30.
- Gazelle, Roland J., Montreal, Quebec, Canada. Nonsinkable detachable vest. 1,968,197; July 31.
- Gazette, Marshall E., assignor to Boothby Fibre Can Company, Boston, Mass. Container made of paper and producing it. 1,983,361; Dec. 4.
- Gazvoda, Louis, Southview, Pa. Shovel seat. 1,976,121; Oct. 9.
- Gear Grinding Company Limited, The. (See Bullows, Richard J., assignor.)
- Gear Grinding Company Limited, The. (See Snarry, John W., assignor.)

- Gear Grinding Machine Company, The. (See Ward, Frederick A., assignor.)
- Gear Processing, Inc. (See Fehr, Roy B., assignor.)
- Gear, William, Jr. (See Siegler, E. J., and Gear.)
- Gearhart, Archie G. (See Fricano, J. J., and Gearhart.)
- Gearhart, Paul P., and A. B. Mullin, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Wringer roller. 1,956,347; Apr. 24.
- Gearhart, Roy E. (See Kraft, C. H., and Gearhart.)
- Gearing, William A. (See Louderback, Harry A., assignor.)
- Gebauer, Ferenc, and P. Király, assignors to "Danuvia" Ipari és Kereskedelmi R. T. firm of Budapest, Budapest, Hungary. Automatic or self-loading gun. 1,985,493; Dec. 25.
- Gebauer-Fuelnegg, Erich, Evanston, Ill., and E. W. Moffett, assignors to Marsene Corporation of America, Gary, Ind. Reaction product of butadiene derivatives with hydrogen halides and producing same. 1,980,396; Nov. 13.
- Gebert, Albert E. (See Antoine, A. D., and Gebert.)
- Gebert, Albert E. (See Richardson, M. H., and Gebert.)
- Gebhardt, Carl, Los Angeles, Calif. Cup and bowl cover. 1,974,711; Sept. 25.
- Gebhardt, Louis A. (See Miller, J. M., and Gebhardt.)
- Gebhardt, Louis A., Washington, D. C. Frequency changing system for high frequency signaling apparatus. 1,945,525; Feb. 6.
- Gebhardt, Louis A., Washington, D. C. Power output indicator for high frequency apparatus. 1,957,454; May 8.
- Gebhardt, Louis A., Washington, D. C. Variable air condenser. 1,958,424; May 15.
- Gebhardt, Louis A., Washington, D. C. Measuring system for high frequency apparatus. 1,959,356; May 22.
- Gebhardt, Louis A., Washington, D. C. Frequency changing system. 1,965,590; July 10.
- Gebhardt, Louis A., Washington, D. C. Piezo-electric crystal holder. 1,965,591; July 10.
- Gebhardt, Louis A., Washington, D. C. Frequency control apparatus. 1,968,035; July 31.
- Gebhardt, Louis A., Washington, D. C. Frequency changing apparatus. 1,969,745; Aug. 14.
- Gebhardt, Louis A., Washington, D. C. High power demountable tube. 1,978,423; Oct. 30.
- Gebhardt, Louis A., Washington, D. C. High power demountable electron tube. 1,978,424; Oct. 30.
- Gebhardt, Louis A., Washington, D. C. assignor to Wired Radio, Inc., New York, N. Y. Inductance system. Re19,371; Nov. 13.
- Gebhardt, Louis A., Washington, D. C. assignor to Wired Radio, Inc., New York, N. Y. Condenser system. 1,955,363; Apr. 17.
- Gebhardt, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Frequency control apparatus. 1,972,517; Sept. 4.
- Gebhardt, Louis A., and L. A. Van Loock, Washington, D. C. Temperature control system. 1,963,987; June 26.
- Gebhardt, Louis A., and C. F. Rudolph, Washington, D. C. Frequency changing system. 1,969,746; Aug. 14.
- Gebhardt, Louis A., and G. E. Jacobson, Washington, D. C. Vacuum tube life meter. 1,981,860; Nov. 27.
- Gebhardt, Louis A., and C. F. Rudolph, Washington, D. C. Balancing condenser. 1,983,540; Dec. 11.
- Gebhardt, Louis A., and C. F. Rudolph, Washington, D. C.; said Gebhardt assignor to Wired Radio, Inc., New York, N. Y. Frequency adjusting system. 1,984,301; Dec. 11.
- Gebhardt, Louis A., Washington, D. C., E. L. White, Honolulu, Hawaii, and C. F. Rudolph, Washington, D. C. assignors, by mesne assignments, to Wired Radio, Inc., New York, N. Y. High power tube support and cooling system. 1,980,753; Nov. 13.
- Gebhardt, Louis A., and C. F. Rudolph, Washington, D. C. assignors to Wired Radio, Inc., New York, N. Y. Coupling condenser system. 1,950,237; Mar. 6.
- Gebhardt, Edwin, Cincinnati, Ohio. Handkerchief carrying vanity accessory. 1,982,248; Nov. 27.
- Gebhardt, William, San Antonio, Tex. Pecan cracking machine. 1,965,460; July 3.
- Gebhardt, William, San Antonio, Tex. Nut length grader. 1,985,345; Dec. 25.
- Gebhart, Richard G., Chicago, Ill. Traction shoe. 1,946,846; Feb. 13.
- Gebler, Harry L., New York, N. Y. Direction indicator for vehicles. 1,980,794; Nov. 13.
- Gebr. Eickhoff Maschinenfabrik und Eisengießerei. (See Stroedter, Karl, assignor.)
- Gebrüder Brehmer. (See Kleinschmidt, Oscar, assignor.)
- Gebrüder Brehmer. (See Kleinschmidt, O., and Apitzsch, assignors.)
- Gebrüder Brehmer. (See Kleinschmidt, O., and Klemm, assignors.)
- Gebrüder Brehmer. (See Kleinschmidt, O., and Kugler, assignors.)
- Gebrüder Brehmer. (See Kleinschmidt, O., and Müller, assignors.)
- Gebrüder-Eickhoff, Maschinenfabrik und Eisengießerei. (See Grube, Heinrich, assignor.)
- Geddes, Charles A., assignor to Richardson Corporation, Rochester, N. Y. Beverage dispenser. 1,953,161; Apr. 3.
- Geddes, Charles A., assignor to Richardson Corporation, Rochester, N. Y. Beverage dispenser. 1,953,164; Apr. 3.
- Geddes, Charles A., assignor to Richardson Corporation, Rochester, N. Y. Beverage dispenser. 1,965,833; July 10.
- Geddes, Norman B., New York, N. Y. Boat. Des. 91,579; Feb. 20.
- Geddes, Norman B., New York, N. Y. Railway car. Des. 92,511; June 19.
- Geddes, Norman B., New York, N. Y. Navigating bridge or similar structure. Des. 92,897; July 31.
- Geddes, Norman B., New York, N. Y. Locomotive unit for a railway train. Des. 93,809; Nov. 13.
- Geddes, Norman B., and F. R. Waite, New York, assignors to The Rome Company, Inc., Rome, N. Y. Bedstead. Des. 92,898; July 31.
- Geddes, Norman B., and F. R. Waite, New York, assignors to The Rome Company, Inc., Rome, N. Y. Bedstead. Des. 93,433; Oct. 2.
- Geddes, Norman B., and F. R. Waite, New York, assignors to The Rome Company, Inc., Rome, N. Y. Bedstead. Des. 93,439; Oct. 2.
- Geddes, Norman B., and F. R. Waite, New York, assignors to The Rome Company, Inc., Rome, N. Y. Bedstead. Des. 93,440; Oct. 2.
- Geddes, Norman B., New York, and W. H. Stangle, Brooklyn, N. Y.; said Stangle assignor to said Geddes. Boat launching and stowing apparatus. 1,958,040; May 8.
- Geddes, Norman B., and W. Paxton, New York, and W. H. Stangle, Brooklyn, N. Y.; said Paxton and said Stangle assignors to said Geddes. Automotive vehicle. Des. 93,863; Nov. 20.
- Gedris, William A., assignor to Ideal Seating Company, Grand Rapids, Mich. Seat hanger. 1,942,752; Jan. 9.
- Gee, Anthony, and A. R. Neeldans, Doncaster; said Gee assignor to The Francois Cementation Company Limited, London, England. Grouting of ground, soil, or other measures. 1,952,162; Mar. 27.
- Gee, William E., Memphis, Tenn. Pump. 1,981,619; Nov. 20.
- Geer, C. D., and E. D. Stirlen, assignors to The Engineering and Research Corporation, New Haven, Conn. Electric switch. 1,950,490; Mar. 13.
- Geer, Charles D. (See Stirlen, E. D., and Geer.)
- Geer, Charles D., assignor to The Engineering and Research Corporation, New Haven, Conn. Timer. 1,968,138; July 31.
- Geer, Charles D., and J. L. Biach, assignors to The Engineering and Research Corporation, New Haven, Conn. Traffic control system. 1,954,992; Apr. 17.
- Geer, Hobart S., Corona, assignor to American Safety Device Co., New York, N. Y. Cable anchoring device. 1,959,129; May 15.
- Geer, Olin M. (See MacGregor, W. F., and Geer.)
- Geer, Paul L. (See Morton, W. A., and Geer.)
- Geer, Paul L., Bellevue, assignor to Amco, Incorporated, Pittsburgh, Pa. Glass melting furnace. 1,973,688; Sept. 11.
- Geer, Paul L., Bellevue, and W. A. Morton, assignors to Amco, Incorporated, Pittsburgh, Pa. Apparatus for annealing glassware and the like. 1,966,292; July 10.
- Geer, Paul L., Pittsburgh, H. A. Moore, Wilkensburg, and W. A. Morton, assignors to Amco, Incorporated, Pittsburgh, Pa. Method of and apparatus for melting glass, etc. 1,973,689; Sept. 11.
- Geer, William C., Ithaca, N. Y. Protective coating and making and applying the same. 1,948,292; Feb. 20.
- Geer, William C., New Rochelle, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition. 1,968,883; Aug. 7.
- Geer, William E., assignor to A. R. Wilder and Sons, Inc., Denver, Colo. Side plate for centrifugal pumps. 1,944,504; Jan. 23.
- Geerlings, Gerald K., Cynwyd, Pa. Container and closure therefor. 1,978,455; Oct. 30.
- Geeseman, Delbert B., Canonsburg, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Hot roll polishing mechanism. 1,954,289; Apr. 10.
- Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany. Photo-electric tube. 1,942,165; Jan. 2.
- Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y. Method and system for proving differences of light. 1,985,085; Dec. 18.
- Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y. Light sensitive apparatus. 1,985,086; Dec. 18.
- Gégaut, Charles, Mulcuse, Haut-Rhin, France. Roller head with endless belts for spinning machines. 1,942,329; Jan. 2.
- Geh, Rudolf, Berlin-Charlottenburg, Germany. Device for measuring workpieces. 1,949,795; Mar. 6.
- Gehrich, Charles L., Elmhurst, N. Y. Oven heated by convection. 1,961,143; June 5.
- Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Compressor mechanism. 1,969,507; Aug. 7.
- Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Fluid operated friction clutch. 1,974,740; Sept. 25.

- Gehrig, John H., assignor of one-half to A. Burri, Modesto, Calif. Valve lifter. 1,951,573; Mar. 20.
- Gehring, Solomon & Birnbaum, Inc. (See Adaire, William R., assignor.)
- Gehrts, August, Friedenau, Berlin, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Manufacture of thermionic cathodes. 1,952,854; Mar. 27.
- Gehrts, August, Berlin-Friedenau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Discharge device. 1,985,028; Dec. 18.
- Geib, Ambrose C., assignor to Geib & Schaefer Co., Chicago, Ill. Accordion case. Des. 93,820; Nov. 13.
- Geib & Schaefer Co. (See Geib, Ambrose C., assignor.)
- Geibel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Cover mounting for receptacles. 1,959,051; May 15.
- Geibel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Sanitary waste can. 1,980,938; Nov. 13.
- Geibig, Frank C., Buffalo, N. Y., assignor to Oxweld Acetylene Company. Preheating flame stabilizer for cutting blowpipes. 1,971,001; Aug. 21.
- Geier, Conrad W. (See Lewin, I., and Geier.)
- Geier, Conrad W., Hazleton, Pa., assignor to Duplan Silk Corporation, New York, N. Y. Loom. 1,969,001; Aug. 7.
- Geier, Conrad W., Hazleton, Pa., assignor to Duplan Silk Corporation, New York, N. Y. Heddle. 1,972,296; Sept. 4.
- Geier, Frederick V., and W. D. Archea, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Profiling machine. 1,978,347; Oct. 23.
- Geier, James, Troy, N. Y. Projection apparatus. 1,943,309; Jan. 16.
- Geier, P. A., Company, The, et al. (See Adams, Thomas O., assignor.)
- Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
- Geiger, Carl, Weende-Gottingen, Germany. Pipe coupling. 1,983,977; Dec. 11.
- Geiger, Ernst, Irvington, N. J. Sectional building. 1,930,397; Nov. 13.
- Geiger, Eugenie F. and J., Milwaukee, Wis. Bomb-proof building. 1,984,407; Dec. 18.
- Geiger, Josef. (See Geiger, Eugenie F. and J.)
- Geiger, Josef, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Combustion power locomotive with direct and indirect transmission to the drive wheels. 1,975,840; Oct. 9.
- Geiger, Luther E. (See Matter, J. K., and Geiger.)
- Geiger, Paul H. (See Grondahl, L. O., and Geiger.)
- Geiger, Paul H., Wilksburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Rectifying apparatus. 1,956,675; May 1.
- Geiger, Paul H., Ann Arbor, Mich., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for signaling between two points on a railroad train. 1,972,651; Sept. 4.
- Geiger, Walter J., Cleveland Heights, and A. T. Gaskill, Cleveland, Ohio, assignors to General Electric Company. Incandescent lamp or similar device. 1,967,878; July 24.
- Geiger, Walter J., and A. T. Gaskill, Cleveland Heights, Ohio, assignors to General Electric Company. Electric projection lamp. 1,979,968; Nov. 6.
- Geiger, Walter J., and A. T. Gaskill, Cleveland Heights, Ohio, assignors to General Electric Company. Electric incandescent lamp. 1,983,362; Dec. 4.
- Geiger, Wesley H., Wormleysburg, Pa. Electrical measuring instrument. 1,967,710; July 24.
- Geigy, J. R. A. G. (See Chiera, Giorgio, assignor.)
- Geigy, J. R., S. A. (See Becherer, Fritz, assignor.)
- Geigy, J. R., S. A. (See Biedermann, Robert, assignor.)
- Geigy, J. R., S. A. (See Schäfer, Josef, assignor.)
- Geigy, J. R., S. A., the firm of. (See Richard, Bernhart, assignor.)
- Gelliar, George W., New York, N. Y. Arch support. 1,948,347; Feb. 20.
- Geimer, William J., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Container. 1,947,934; Feb. 20.
- Geis, Joseph, assignor to J. F. Meyer, Chicago, Ill. Coin controlled switch. 1,963,988; June 26.
- Geise, Fritz, Berlin-Wilmersdorf, and H. Neugebauer, Berlin-Spandau, Germany, assignors to Westinghouse Electric & Manufacturing Company. Selective protection equipment for electrical lines. 1,955,329; Apr. 17.
- Geise, George E., South Fort Mitchell, assignor to The Kelley-Koeth Manufacturing Company, Covington, Ky. Frictional counterbalance. 1,963,199; June 19.
- Geise, George E., South Fort Mitchell, assignor to The Kelley-Koeth Manufacturing Company, Covington, Ky. Hand driven self-locking clutch. 1,983,284; Dec. 4.
- Geise, Walter A., Flint, assignor to General Motors Corporation, Detroit, Mich. Crankcase ventilator. 1,944,341; Jan. 23.
- Geise, Walter A., Flint, assignor to General Motors Corporation, Detroit, Mich. Thermostatically regulated circulating system. 1,948,293; Feb. 20.
- Geise, Walter A., Flint, assignor to General Motors Corporation, Detroit, Mich. Fan. 1,933,606; Dec. 11.
- Geissler, William A., Newark, N. J., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Centrifugal casting machine. 1,983,075; Dec. 4.
- Geiselman, Ralph A., Wilksburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 1,962,344; June 12.
- Geisert, Lewis, Philadelphia, Pa. Line-casting mold. 1,941,679; Jan. 2.
- Geisert, Lewis, Philadelphia, Pa. Line-casting machine. 1,957,332; May 1.
- Geisler, William A. (See Sargent, W. D., and Geisler.)
- Geismar, John A. (See Flinker, Leon A., assignor.)
- Geisse, John H., Madison, Wis. Internal combustion engine. 1,972,881; Sept. 11.
- Geissler, Walter. (See Kleinschmit, O., Geissler, and Muller.)
- Geissler, Walter. (See Klemm, R., and Geissler.)
- Geist, William, Clayton, Mo. Glare protector for automobiles and other vehicles. 1,982,511; Nov. 27.
- Geister, Carl H., Pittsburgh, assignor to P. E. Foerderer, Philadelphia, Pa. Measuring apparatus. 1,963,128; June 19.
- Geistlinger, Edward, Peekskill, N. Y. Nursing bottle holder. 1,970,602; Aug. 21.
- Geistlinger, Edward, Peekskill, N. Y., assignor to Air Valve Bottle Corporation, Wilmington, Del. Combined lifting jack and tire remover. 1,973,308; Sept. 11.
- Geiszler, Martin. (See Johnson, Justus L., assignor.)
- Geiszler, Martin. (See Johnson, J. L., and Geiszler.)
- Geldhof, Peter E., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Discharge device for combined washing and drying machines. 1,977,578; Oct. 16.
- Geldhof, Peter E., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Combined clothes washer and drier. 1,981,501; Nov. 20.
- Geldhof, Peter E., and W. A. Papworth, assignors to Easy Washing Machine Corporation, Syracuse, N. Y. Extractor. 1,981,502; Nov. 20.
- Gelette, Robert A., New Bedford, and J. R. Cosgrove, North Dartmouth, Mass. Let-off tension device for cloth-weaving machines. 1,980,857; Nov. 13.
- Gelhaar, Stefan J., Ljungaværk, assignor to Stockholms Superfosfat Fabriks Aktiebolag, Stockholm, Sweden. Producing a fertilizer from raw phosphate. 1,970,872; Aug. 14.
- Geller, Harry, Flushing, N. Y. Shoe. Des. 91,933; Apr. 10.
- Geller, Harry, Flushing, N. Y. Shoe. Des. 91,934; Apr. 10.
- Geller, Harry, Flushing, N. Y. Shoe. Des. 91,935; Apr. 10.
- Geller, Harry, Flushing, N. Y. Shoe. Des. 91,936; Apr. 10.
- Geller, Harry, New York, N. Y. Shoe. Des. 93,158; Aug. 28.
- Geller, Harry, New York, N. Y. Shoe. Des. 93,159; Aug. 28.
- Geller, Harry, New York, N. Y. Shoe. Des. 93,160; Aug. 28.
- Geller, Harry, New York, N. Y. Shoe. Des. 93,161; Aug. 28.
- Geller, Harry, New York, N. Y. Shoe. Des. 93,162; Aug. 28.
- Geller, Harry, New York, N. Y. Shoe. Des. 93,976; Dec. 4.
- Geller, Hugo, assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Curtain. Des. 91,871; Apr. 3.
- Geller, Hugo, assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Curtain. Des. 91,872; Apr. 3.
- Geller, Hugo, assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Curtain. Des. 92,954; Aug. 7.
- Geller, Hugo, assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Curtain. Des. 92,955; Aug. 7.
- Geller, Hugo, assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Lace curtain. 1,971,712; Aug. 28.
- Geller, Leon W., assignor to The Will & Baumer Candle Company, Incorporated, Syracuse, N. Y. Molding of beeswax candles and the product thereof. 1,960,994; May 29.
- Geller, Leon W., assignor to Will & Baumer Candle Company, Inc., Syracuse, N. Y. Burnable coated candle. 1,967,879; July 24.
- Gellman, Israel C., Rock Island, Ill. Bread-slicing machine and take-off therefor. 1,951,605; Mar. 20.
- Gellman, Israel C., Rock Island, Ill. Blade guide. 1,951,606; Mar. 20.
- Gelpcke, Alfred W., Brooklyn, assignor to The Rawplugh Company, Inc., New York, N. Y. Bolt anchor. 1,957,533; May 8.
- Gelstsharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass. 1,954,077; Apr. 10.
- Gelstsharp, Frederick, and P. R. Morris, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Treating rolls for use in the manufacture of ornamental flat glass. 1,956,169; Apr. 24.
- Gem Crib & Cradle Company. (See Neunherz, H. W., and Atwood, assignors.)
- Gem Hammock and Fly Net Company. (See Kellogg, Langdon C., assignor.)
- Gemeny, Blaine B., Chicago, Ill., and B. I. Weller, Highland, Ind. Elevator bucket. 1,944,932; Jan. 30.
- Gemmer, Eugene W., New Orleans, La., dedicated to the free use of the Public. Planting tool. 1,956,918; May 1.
- Gemmer Manufacturing Company. (See Marles, Henry, assignor.)
- Gemex Company. (See Prestinari, Eugen, assignor.)

- Genda, George, Pasadena, Calif. Price card holder. 1,954,696; Apr. 10.
- Genda, George, Pasadena, Calif. String cutting device. 1,971,814; Aug. 28.
- Gender, Paeschke & Frey Co. (See Hois, Louis J., assignor.)
- Gendich, Michael, Jeannette, Pa. Shade, curtain, and drapery holder. 1,950,050; Nov. 6.
- Genenger, Richard, Aachen-Forst, Germany, assignor, by mesne assignments, to The American Bicherox Company. Leering glass sheets. 1,967,613; July 24.
- General Airmotors Company. (See Moore, Robert S., assignor.)
- General Aniline Works, Inc. (See Albrecht, W., and Mueller, assignors.)
- General Aniline Works, Inc. (See Ballauf, F., and Schmelzer, assignors.)
- General Aniline Works, Inc. (See Ballauf, F., and Schmelzer, assignors.)
- General Aniline Works, Inc. (See Baumann, Fritz, assignor.)
- General Aniline Works, Inc. (See Bayer, Otto, assignor.)
- General Aniline Works, Inc. (See Bergdolt, A., and Schmelzer, assignors.)
- General Aniline Works, Inc. (See Bergdolt, A., Schrader, and Corell, assignors.)
- General Aniline Works, Inc. (See Berthold, Hermann, assignor.)
- General Aniline Works, Inc. (See Berthold, H., and Liese, assignors.)
- General Aniline Works, Inc. (See Böger, O., and Meissner, assignors.)
- General Aniline Works, Inc. (See Cressly, Alfred, assignor.)
- General Aniline Works, Inc. (See Delfs, Detlef, assignor.)
- General Aniline Works, Inc. (See Delfs, D., and Knoche, assignors.)
- General Aniline Works, Inc. (See Eckert, W., Fischer, and Braunsdorf, assignors.)
- General Aniline Works, Inc. (See Eckert, W., Sieber, and Greune, assignors.)
- General Aniline Works, Inc. (See Eichwede, Heinz, assignor.)
- General Aniline Works, Inc. (See Fischer, Erich, assignor.)
- General Aniline Works, Inc. (See Fischer, E., Kissling, and Kracker, assignors.)
- General Aniline Works, Inc. (See Fischer, R., and Freund, assignors.)
- General Aniline Works, Inc. (See Fleischbauer, Richard, assignor.)
- General Aniline Works, Inc. (See Gassner, S., and Berthold, assignors.)
- General Aniline Works, Inc. (See Gassner, S., and Meiser, assignors.)
- General Aniline Works, Inc. (See Greune, H., and Eckert, assignors.)
- General Aniline Works, Inc. (See Hagenböcker, A., and Brune, assignors.)
- General Aniline Works, Inc. (See Hartmann, E., and Muth, assignors.)
- General Aniline Works, Inc. (See Heidenreich, R. M., and Tust, assignors.)
- General Aniline Works, Inc. (See Henle, F., and Kracker, assignors.)
- General Aniline Works, Inc. (See Hentrich, W., and Hilger, assignors.)
- General Aniline Works, Inc. (See Hoffa, E., and Heyna, assignors.)
- General Aniline Works, Inc. (See Holzach, K., and von Rosenberg, assignors.)
- General Aniline Works, Inc. (See Hopff, H., and Schweizer, assignors.)
- General Aniline Works, Inc. (See Immerheiser, C., and Zschimmer, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Fleischbauer, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Honold, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Keller, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., Limpach, and Hager, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., Nüsslein, and Müller, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Ritter, assignors.)
- General Aniline Works, Inc. (See Keller, Karl, assignor.)
- General Aniline Works, Inc. (See Keller, K., and Gofferjé, assignors.)
- General Aniline Works, Inc. (See Koeberle, Karl, assignor.)
- General Aniline Works, Inc. (See Koeberle, K., and Mueller, assignors.)
- General Aniline Works, Inc. (See Korten, Ernst, assignor.)
- General Aniline Works, Inc. (See Kraenzlein, G., and Corell, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., Corell, and Diefenbach, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., Schlichenmaier, and Schörlitz, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., and Vollmann, assignors.)
- General Aniline Works, Inc. (See Kranzlein, G., and Kunne, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G. Vollmann, Boedeker, and Becker, assignors.)
- General Aniline Works, Inc. (See Krzikalla, Hans, assignor.)
- General Aniline Works, Inc. (See Krzikalla, H., and Kirsch, assignors.)
- General Aniline Works, Inc. (See Krzikalla, H., Koch, and Scheuerer, assignors.)
- General Aniline Works, Inc. (See Kuhrmann, Friedrich, assignor.)
- General Aniline Works, Inc. (See Kunz, M. A., and Koeberle, assignors.)
- General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Berthold, assignors.)
- General Aniline Works, Inc. (See Kunz, M. A., Kränzlein, Koeberle, Corell, Berthold, and Vollmann, assignors.)
- General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Kochendoerfer, assignors.)
- General Aniline Works, Inc. (See Lange, Hans, assignor.)
- General Aniline Works, Inc. (See Lange, F., and Krzikalla, assignors.)
- General Aniline Works, Inc. (See Lange, Werner, assignor.)
- General Aniline Works, Inc. (See Lange, W., and Dreyer, assignors.)
- General Aniline Works, Inc. (See Laska, L., and Haller, assignors.)
- General Aniline Works, Inc. (See Laska, L., and Zitscher, assignors.)
- General Aniline Works, Inc. (See Laska, L., Zitscher, Christ, and Petzold, assignors.)
- General Aniline Works, Inc. (See Luce, W., and Fischer, assignors.)
- General Aniline Works, Inc. (See Marx, K., and Lehmann, assignors.)
- General Aniline Works, Inc. (See Mueller, Joachim, assignor.)
- General Aniline Works, Inc. (See Müller, C. J., and Kirst, assignors.)
- General Aniline Works, Inc. (See Müller, W., and Böger, assignors.)
- General Aniline Works, Inc. (See Muth, F., and Moderohn, assignors.)
- General Aniline Works, Inc. (See Muth, F., and Schmelzer, assignors.)
- General Aniline Works, Inc. (See Nawiasky, P., and Ehrhardt, assignors.)
- General Aniline Works, Inc. (See Nawiasky, P., Stein, and Krause, assignors.)
- General Aniline Works, Inc. (See Nawiasky, P., Stein, and Vilsmeier, assignors.)
- General Aniline Works, Inc. (See Neelmeier, W., Carl, and Hertlein, assignors.)
- General Aniline Works, Inc. (See Neelmeier, W., Gassner, and Meiser, assignors.)
- General Aniline Works, Inc. (See Neelmeier, W., and Lamberz, assignors.)
- General Aniline Works, Inc. (See Neelmeier, W., Nocken, and Friedrich, assignors.)
- General Aniline Works, Inc. (See Neresheimer, Heinrich, assignor.)
- General Aniline Works, Inc. (See Niemann, Georg, assignor.)
- General Aniline Works, Inc. (See Ossenbeck, A., and Tietze, assignors.)
- General Aniline Works, Inc. (See Raeder, Heinrich, assignor.)
- General Aniline Works, Inc. (See Reddelein, G., Ohlendorf, and Holzach, assignors.)
- General Aniline Works, Inc. (See Rimele, E., and Gleitenber, assignors.)
- General Aniline Works, Inc. (See Rünne, Ernst, and Larbig, assignors.)
- General Aniline Works, Inc. (See Rüschi, Roland, assignor.)
- General Aniline Works, Inc. (See Scheyer, Heinz, assignor.)
- General Aniline Works, Inc. (See Schlack, Paul.)
- General Aniline Works, Inc. (See Schnitzpahn, K., and Jung, assignors.)
- General Aniline Works, Inc. (See Schnitzpahn, K., and Koch, assignors.)
- General Aniline Works, Inc. (See Schrader, G., Ballauf, and Schmelzer, assignors.)
- General Aniline Works, Inc. (See Schrader, G., Schmelzer, and Ballauf, assignors.)
- General Aniline Works, Inc. (See Siebert, O., and Benade, assignors.)
- General Aniline Works, Inc. (See Sieglitz, A., and Stenger, assignors.)
- General Aniline Works, Inc. (See Sigwart, August.)
- General Aniline Works, Inc. (See Steiger, Norbert, assignor.)
- General Aniline Works, Inc. (See Stein, Berthold, assignor.)
- General Aniline Works, Inc. (See Stein, B., and Honold, assignors.)
- General Aniline Works, Inc. (See Steindorf, A., Daimler, and Platz, assignors.)
- General Aniline Works, Inc. (See Stüsser, Richard, assignor.)
- General Aniline Works, Inc. (See Taube, Carl, assignor.)

- General Aniline Works, Inc. (See Taube, C., Zeh, and Hilger, assignors.)
 General Aniline Works, Inc. (See Thauss, A., Mauthe, and Doser, assignors.)
 General Aniline Works, Inc. (See Vogt, W., and Huber, assignors.)
 General Aniline Works, Inc. (See Wagner, Hermann, assignor.)
 General Aniline Works, Inc. (See Wahl, Ottmar, assignor.)
 General Aniline Works, Inc. (See Weinand, Klaus, assignor.)
 General Aniline Works, Inc. (See Weinand, K., and Hertlein, assignors.)
 General Aniline Works, Inc. (See Wiener, Franz, assignor.)
 General Aniline Works, Inc. (See Wilke, K., Stock, and Schubert, assignors.)
 General Aniline Works, Inc. (See Winkeler, H., Reindel, and Von Rosenberg, assignors.)
 General Aniline Works, Inc. (See Wolff, Hugo, assignor.)
 General Aniline Works, Inc. (See Wolfram, A., and Hausdörfer, assignors.)
 General Aniline Works, Inc. (See Wolfram, A., Schörnig, and Hausdörfer.)
 General Aniline Works, Inc. (See Wulff, C., Roell, and Krause, assignors.)
 General Aniline Works, Inc. (See Zahn, K., and Gädke, assignors.)
 General Aniline Works, Inc. (See Zahn, K., and Koch, assignors.)
 General Aniline Works, Inc. (See Zahn, K., and Schimmelschmidt, assignors.)
 General Aniline Works, Inc. (See Zahn, K., and Schultheis, assignors.)
 General Aniline Works, Inc. (See Zerweck, W., and Hechtenberg, assignors.)
 General Aniline Works, Inc. (See Zitscher, A., Morschel, and Luce, assignors.)
 General Aniline Works, Inc. (See Zitscher, Arthur, assignor.)
 General Aniline Works, Inc. (See Zitscher, A., and Jellinek, assignors.)
 General Aniline Works, Inc. (See Zitscher, A., Mildner, and Luce, assignors.)
 General Aniline Works, Inc. (See Zitscher, A., and Seidenfaden, assignors.)
 General Apparatus Corporation. (See Wilcox, Chester M., assignor.)
 General Automatic Merchandising Corporation. (See Rogers, Ralph L., jr., assignor.)
 General Automatic Merchandising Corporation, The. (See Rogers, Ralph L., assignor.)
 General Aviation Manufacturing Corporation. (See Kindelberger, James H., assignor.)
 General Aviation Corporation. (See Schnetzer, S., and Huff, assignors.)
 General Aviation Corporation. (See Todd, E. T., and Houston, assignors.)
 General Aviation Mfg. Corporation. (See Markey, R. I., and Sadler, assignors.)
 General Body & Hoist Company. (See Higgins, Clark F., assignor.)
 General Box Company. (See Fowler, Neil A., assignor.)
 General Box Company. (See Sharp, O. W., and Fowler, assignors.)
 General Bronze Corporation. (See Ely, W. S., and Peremi, assignors.)
 General Bronze Corporation. (See Peremi, E., and Kish, assignors.)
 General Burglar Alarm Co. Inc. (See Pincus, J., and Goldstone, assignors.)
 General Cable Corporation. (See Andrew, Edwin L., assignor.)
 General Cable Corporation. (See Atkinson, Ralph W., assignor.)
 General Cable Corporation. (See Davis, Oliver M., assignor.)
 General Cable Corporation. (See Gay, Frazer W., assignor.)
 General Cable Corporation. (See Kierspe, George W., assignor.)
 General Cable Corporation. (See McKnight, Edgar W., assignor.)
 General Cable Corporation. (See Meyers, John G., assignor.)
 General Cable Corporation. (See Mueller, Paul M., assignor.)
 General Cable Corporation. (See Pedersen, Niels, assignor.)
 General Cable Corporation. (See Potter, F. M., and McKnight, assignors.)
 General Cable Corporation. (See Roux, Adrian P., assignor.)
 General Cable Corporation. (See Saltzman, Auguste L., assignor.)
 General Cable Corporation. (See Schneider, E. J., and Bradt, assignors.)
 General Cable Corporation. (See Simmons, Donald M., assignor.)
 General Cable Corporation. (See Snyder, Edward, assignor.)
 General Cable Corporation. (See Snyder, E., and Kierspe, assignors.)
 General Cable Corporation. (See Strait, Wilber E., assignor.)
 General Cable Corporation. (See Traxel, Charles E., assignor.)
 General Cable Corporation. (See Wyss, George, assignor.)
 General Chemical Company. (See Carter, Bernard M., assignor.)
 General Chemical Company. (See Dickson, William M., assignor.)
 General Chemical Company. (See Harkness, Andrew M., assignor.)
 General Chemical Company. (See Merriam, Henry F., assignor.)
 General Chemical Company. (See Mullen, Edwin J., assignor.)
 General Chemical Company. (See Mullen, E. J., and Allen.)
 General Chemical Company, The. (See Slama, F., and Wolf, assignors.)
 General Chemical Company. (See Taylor, George E., assignor.)
 General Cigar Company, Inc. (See Wheeler, Henry H., assignor.)
 General Conveyors Limited. (See Mann, Walter J., assignor.)
 General Conveyors Limited. (See Needham, John T., assignor.)
 General Development Laboratories, Inc. (See Goode, Godfrey P., assignor.)
 General Development Laboratories, Inc. (See Sperti, George, assignor.)
 General Development Laboratories, Inc. (See Sperti, G., Norris, Withrow, and Schneider, assignors.)
 General Dry Batteries, Inc. (See Rock, Arthur F., assignor.)
 General Electric Company. (See Abbott, Charles C., assignor.)
 General Electric Company. (See Abbott, Thomas A., assignor.)
 General Electric Company. (Abshagen, Franz, assignor.)
 General Electric Company. (See Acheson, Marcus A., assignor.)
 General Electric Company. (See Acly, Harry M., assignor.)
 General Electric Company. (See Alexander, Peter P., assignor.)
 General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
 General Electric Company. (See Alexanderson, E. F. W., Mittag, and Philippi, assignors.)
 General Electric Company. (See Alexay, Adalbert, assignor.)
 General Electric Company. (See Allibone, Thomas E., assignor.)
 General Electric Company. (See Amillac, Albert, assignor.)
 General Electric Company. (See Amsden, Ralph D., assignor.)
 General Electric Company. (See Anderson, Arvid E., assignor.)
 General Electric Company. (See Anderson, A. E., Cox, and Wright, assignors.)
 General Electric Company. (See Anderson, Robert G., assignor.)
 General Electric Company. (See Andrews, Paul D., assignor.)
 General Electric Company. (See Anschütz, Hellmut, assignor.)
 General Electric Company. (See Atchison, Leonard W., assignor.)
 General Electric Company. (See Atwood, Winfield A., assignor.)
 General Electric Company. (See Augier, J. A., and Laurent, assignors.)
 General Electric Company. (See Axtell, Clinton J., assignor.)
 General Electric Company. (See Aydelott, John C., assignor.)
 General Electric Company. (See Bailey, William M., assignor.)
 General Electric Company. (See Bakke, Hans A., assignor.)
 General Electric Company. (See Bardin, Joseph, assignor.)
 General Electric Company. (See Barringer, Lawrence E., assignor.)
 General Electric Company. (See Barry, John C., assignor.)
 General Electric Company. (See Bars, Jacques M., assignor.)
 General Electric Company. (See Basch, D., and Hennessy, assignors.)
 General Electric Company. (See Bassler, Kurt, assignor.)
 General Electric Company. (See Bauerschmidt, Kuno, assignor.)
 General Electric Company. (See Becker, Howard I., assignor.)
 General Electric Company. (See Bedford, Burnice D., assignor.)
 General Electric Company. (See Belfils, G., and Augier, assignors.)
 General Electric Company. (See Belt, Thomas A. E., assignor.)
 General Electric Company. (See Benford, Frank A., assignor.)
 General Electric Company. (See Berejkoff, A. P., and Brockman, assignors.)

- General Electric Company. (See Berger, Walter, assignor.)
- General Electric Company. (See Bergman, Sven R., assignor.)
- General Electric Company. (See Bethenold, Joseph, assignor.)
- General Electric Company. (See Betke, A. Frederick, assignor.)
- General Electric Company. (See Bigger, Trafford W., assignor.)
- General Electric Company. (See Bird, Charles H., assignor.)
- General Electric Company. (See Bivens, Maurice E., assignor.)
- General Electric Company. (See Blake, David K., assignor.)
- General Electric Company. (See Blake, Harold D., assignor.)
- General Electric Company. (See Blume, Louis F., assignor.)
- General Electric Company. (See Bol, Cornelis, assignor.)
- General Electric Company. (See Born, Fritz, assignor.)
- General Electric Company. (See Boyajian, A., and Camilli, assignors.)
- General Electric Company. (See Boyajian A., and De Bliex, assignors.)
- General Electric Company. (See Brophy, G. R., and Smith, assignors.)
- General Electric Company. (See Brown, Harold W., assignor.)
- General Electric Company. (See Buechner, Guenther, assignor.)
- General Electric Company. (See Burnham, Locke H., assignor.)
- General Electric Company. (See Butler, Henry E., assignor.)
- General Electric Company. (See Byles, Frank A., assignor.)
- General Electric Company. (See Caball, Fred B. S., assignor.)
- General Electric Company. (See Caldwell, Philip G., assignor.)
- General Electric Company. (See Camilli, Guglielmo, assignor.)
- General Electric Company. (See Carlson, Wendell L., assignor.)
- General Electric Company. (See Casby, John J., assignor.)
- General Electric Company. (See Case, James W., assignor.)
- General Electric Company. (See Carlett, James T., assignor.)
- General Electric Company. (See Caughey, Reed J., assignor.)
- General Electric Company. (See Chadbourne, Henry W., assignors.)
- General Electric Company. (See Chambers, Dudley E., assignor.)
- General Electric Company. (See Chambers, D. E., and Suits, assignors.)
- General Electric Company. (See Chapman, Charles H., assignor.)
- General Electric Company. (See Chapman, Verni J., assignor.)
- General Electric Company. (See Charlton, Ernest E., assignor.)
- General Electric Company. (See Charlton, E. E., and Relyea, assignors.)
- General Electric Company. (See Cheeseman, Ralph T., assignor.)
- General Electric Company. (See Christensen, Everett F., assignor.)
- General Electric Company. (See Civkin, Victor, assignor.)
- General Electric Company. (See Clark, E. W., and Gilbertson, assignors.)
- General Electric Company. (See Clark, Frank M., assignor.)
- General Electric Company. (See Clark, F. M., and Russetta, assignors.)
- General Electric Company. (See Clark, Philip H., assignor.)
- General Electric Company. (See Clayton, Harold H., assignor.)
- General Electric Company. (See Clinker, R. C. and Davies.)
- General Electric Company, The. (See Coates, Herbert J., assignor.)
- General Electric Company. (See Coates, William A., assignor.)
- General Electric Company. (See Cockrell, William D., assignor.)
- General Electric Company. (See Cockrell, W. D., and Juchter, assignors.)
- General Electric Company. (See Cook, Harold A., assignor.)
- General Electric Company. (See Cooke, James W., assignor.)
- General Electric Company. (See Coolidge, William D., assignor.)
- General Electric Company. (See Cornell, James I., assignor.)
- General Electric Company. (See Coulson, Bevis P., jr., assignor.)
- General Electric Company. (See Cox, H. E., Hunter, and Tuck, assignors.)
- General Electric Company. (See Crämer, Richard, assignor.)
- General Electric Company. (See Cranfield, John C., assignor.)
- General Electric Company. (See Crocker, Irving S., assignor.)
- General Electric Company. (See Cypra, Helmut, assignor.)
- General Electric Company. (See Dahl, O., and Pawlek, assignors.)
- General Electric Company. (See Daniels, Leon C., assignor.)
- General Electric Company. (See Dantizen, Christian, assignor.)
- General Electric Company. (See Dantscher, Josef, assignor.)
- General Electric Company. (See Dantsizen, Christian, assignor.)
- General Electric Company. (See Davies, Leonard J., assignor.)
- General Electric Company. (See De Reamer, F. C., and Young, assignors.)
- General Electric Company. (See Devers, Philip K., assignor.)
- General Electric Company. (See De Walt, Kenneth C., assignor.)
- General Electric Company. (See Dickinson, Edgar D., assignor.)
- General Electric Company. (See Dietze, Richard, assignor.)
- General Electric Company. (See Dodge, James W., assignor.)
- General Electric Company. (See Doran, John H.)
- General Electric Company. (See Dorgelo, E. G., Klinkhamer, and Bol, assignors.)
- General Electric Company. (See Dorgelo, E. G., Bol, and Linnemans, assignors.)
- General Electric Company. (See Dorgelo, Eduard G., assignor.)
- General Electric Company. (See Douglas, Norvel, assignor.)
- General Electric Company. (See Downey, Reginald L., assignor.)
- General Electric Company. (See Drabelle, John M., assignor.)
- General Electric Company. (See Driftmeyer, Herbert L., assignor.)
- General Electric Company. (See Dumas, Robert, assignor.)
- General Electric Company. (See Durant, W. W., and Scrutfield, assignors.)
- General Electric Company. (See Eaton, John, assignor.)
- General Electric Company. (See Eby, Eugene D., assignor.)
- General Electric Company. (See Eccles, William, assignor.)
- General Electric Company. (See Elder, Frank R., assignor.)
- General Electric Company. (See Ellis, Alvarado L. R., assignor.)
- General Electric Company. (See Ellis, A. L. R., and Winckler, assignors.)
- General Electric Company. (See Emmerling, Anson A., assignor.)
- General Electric Company. (See Emmet, W. L. R., and Coulson, jr., assignors.)
- General Electric Company. (See Engel, Kurt, assignor.)
- General Electric Company. (See Ericson, Franklin R., assignor.)
- General Electric Company. (See Ewest, Hans, assignor.)
- General Electric Company. (See Ewest, H., and Gaidies, assignors.)
- General Electric Company. (See Ewest, H., and Reger, assignors.)
- General Electric Company. (See Fagan, John T., assignor.)
- General Electric Company. (See Faus, Harold T., assignor.)
- General Electric Company. (See Fecker, Theodor, assignor.)
- General Electric Company. (See Finlayson, Frank E., assignor.)
- General Electric Company. (See Fitz Gerald, Alan S., assignor.)
- General Electric Company. (See Flaherty, Mark, assignor.)
- General Electric Company. (See Fletcher, George H., assignor.)
- General Electric Company. (See Flinker, Max, assignor.)
- General Electric Company. (See Floret, Heinrich, assignor.)
- General Electric Company. (See Flurscheim, Cedric H., assignor.)
- General Electric Company. (See Ford, John B., assignor.)
- General Electric Company. (See Fordyce, Allmon, assignor.)
- General Electric Company. (See Forsling, Bengt E. G., assignor.)
- General Electric Company. (See Found, Clifton G., assignor.)
- General Electric Company. (See Found, C. G., and Westendorp, assignors.)
- General Electric Company. (See Foust, Clifford M., assignor.)
- General Electric Company. (See Foust, C. M., and Kuehn, assignors.)
- General Electric Company. (See Francis, V. J., and Ryde, assignors.)

- General Electric Company. (See Frank, John J., assignor.)
 General Electric Company. (See Franklin, Charles S., assignor.)
 General Electric Company. (See Franklin, Raymond F., assignor.)
 General Electric Company. (See Frech, T. W., Fagan, Donovan, and Isaac, assignors.)
 General Electric Company. (See Freese, Clyde H., assignor.)
 General Electric Company. (See Frick, Jean-Jacques, assignor.)
 General Electric Company. (See Friederich, E., and Aschermann, assignors.)
 General Electric Company. (See Friederichsen, Heinrich, assignor.)
 General Electric Company. (See Frink, Frederick W., assignor.)
 General Electric Company. (See Fröndt, Hermann, assignor.)
 General Electric Company. (See Fuller, Truman S., assignor.)
 General Electric Company. (See Fuwa, Kitsuzo, assignor.)
 General Electric Company. (See Fuwa, K., and Suzuki, assignors.)
 General Electric Company. (See Gaidies, G., and Reger, assignors.)
 General Electric Company. (See Gaidies, G., Tarjan, and Thomas, assignors.)
 General Electric Company. (See Gardiner, Paul C., assignor.)
 General Electric Company. (See Garman, George W., assignor.)
 General Electric Company. (See Garrett, Charles R., assignor.)
 General Electric Company. (See Garton, Charles G., assignor.)
 General Electric Company. (See Geiger, W. J., and Gaskill, assignors.)
 General Electric Company. (See Gerling, Carl H., assignor.)
 General Electric Company. (See Gilbert, Ralph A., assignor.)
 General Electric Company. (See Gillette, R. T., and Leveen, assignors.)
 General Electric Company. (See Gilson, Emery G., assignor.)
 General Electric Company. (See Glaser, A., and Köch, assignors.)
 General Electric Company. (See Goff, Robert W., assignor.)
 General Electric Company. (See Goff, R. W., and Fleming, assignors.)
 General Electric Company. (See Gosling, Joseph W., assignor.)
 General Electric Company. (See Gray, William T., assignor.)
 General Electric Company. (See Greeff, Gerhard, assignor.)
 General Electric Company. (See Greene, Oliver W., assignor.)
 General Electric Company. (See Greentree, Charles D., assignor.)
 General Electric Company. (See Griffith, Roland C., assignor.)
 General Electric Company. (See Griffiths, Leonard, assignor.)
 General Electric Company. (See Günner, Georg, assignor.)
 General Electric Company. (See Gutmman, Walter, assignor.)
 General Electric Company. (See Guy, Henry L., assignor.)
 General Electric Company. (See Hamilton, F. A., jr., and McClure, assignors.)
 General Electric Company. (See Hamm, Clarence L., assignor.)
 General Electric Company. (See Hardesty, Llewellyn C., assignor.)
 General Electric Company. (See Harrington, Elliott D., assignor.)
 General Electric Company. (See Harrington, Richards H., assignor.)
 General Electric Company. (See Harris, Walter C., assignor.)
 General Electric Company. (See Harty, Edgar A., assignor.)
 General Electric Company. (See Haskell, Orin S., assignor.)
 General Electric Company. (See Hatay, Charles, assignor.)
 General Electric Company. (See Hathaway, Claude M., assignor.)
 General Electric Company. (See Haven, Edward G., assignor.)
 General Electric Company. (See Hays, D., and Atkinson, assignors.)
 General Electric Company. (See Hegel, George W., assignor.)
 General Electric Company. (See Hehlgers, Friedrich W., assignor.)
 General Electric Company. (See Heinbuch, George W., assignor.)
 General Electric Company. (See Heisler, Charles L., jr., assignor.)
 General Electric Company. (See Hendricks, Allan B., jr., assignor.)
 General Electric Company. (See Hepperlen, John A., assignor.)
 General Electric Company. (See Hermann, Benjamin R., assignor.)
 General Electric Company. (See Hermle, Hermann, assignor.)
 General Electric Company. (See Herre, P., and Mickley, assignors.)
 General Electric Company. (See Herrmann, Peter C., assignor.)
 General Electric Company. (See Hitchcock, William J., assignor.)
 General Electric Company. (See Hoare, Stephen C., assignor.)
 General Electric Company. (See Hoare, S. C., and Parker, assignors.)
 General Electric Company. (See Hobson, Leland S., assignor.)
 General Electric Company. (See Hoeke, Fred A., assignor.)
 General Electric Company. (See Holm-Hansen, O., and Watts, assignors.)
 General Electric Company. (See Hornby, Fred B., assignor.)
 General Electric Company. (See Horowicz, Eugen, assignor.)
 General Electric Company. (See Horsfield, Walter R., assignor.)
 General Electric Company. (See Horstkotte, Edward H., assignor.)
 General Electric Company. (See Hösel, Paul, assignor.)
 General Electric Company. (See Howard, Alan, assignor.)
 General Electric Company. (See Hoxie, Charles A., assignor.)
 General Electric Company. (See Hoxie, Earle A., assignor.)
 General Electric Company. (See Huber, Herman J. H., assignor.)
 General Electric Company. (See Hull, Albert W., assignor.)
 General Electric Company. (See Hutt, Leonard P., assignor.)
 General Electric Company. (See Illingworth, George, assignor.)
 General Electric Company. (See Imamura, M., and Fujita, assignors.)
 General Electric Company. (See Imaoka, Yoshio, assignor.)
 General Electric Company. (See Innis, Harry H., assignor.)
 General Electric Company. (See Ipsen, Carl L., assignor.)
 General Electric Company. (See Ipsen, C. L., and Cox, assignors.)
 General Electric Company. (See Jacobs, Harry M., assignor.)
 General Electric Company. (See Janisch, Leopold, assignor.)
 General Electric Company. (See Jefferson, H. F., and Given, assignors.)
 General Electric Company. (See Jennings, James H., assignor.)
 General Electric Company. (See Jewell, Richard G., assignor.)
 General Electric Company. (See Johnson, Herbert D., assignor.)
 General Electric Company. (See Johnston, Arthur J., assignor.)
 General Electric Company. (See Jones, Benjamin W., assignor.)
 General Electric Company. (See Junggren, Oscar.)
 General Electric Company. (See Kaar, Ira J., assignor.)
 General Electric Company. (See Kaimer, Fred R., assignor.)
 General Electric Company. (See Kalschne, Georg, assignor.)
 General Electric Company. (See Kaufmann, Richard H., assignor.)
 General Electric Company. (See Kearsley, William K., assignor.)
 General Electric Company. (See Kelley, Floyd C., assignor.)
 General Electric Company. (See Kellogg, Edward W., assignor.)
 General Electric Company. (See Kempton, Leslie A., assignor.)
 General Electric Company. (See Kenney, J. J., and Gilbert, assignors.)
 General Electric Company. (See Kettner, Karl, assignor.)
 General Electric Company. (See Kilbourne, Charles E., assignor.)
 General Electric Company. (See Kilbourne, C. E., and Dreier, assignors.)
 General Electric Company. (See King, William J., assignor.)
 General Electric Company. (See Kinnard, Isaac F., assignor.)
 General Electric Company. (See Kirch, Ernst, assignor.)
 General Electric Company. (See Kjolseth, Ole K., assignor.)
 General Electric Company. (See Klein, Pearce, assignor.)
 General Electric Company. (See Krämer, Christian, assignor.)
 General Electric Company. (See Krida, Hugh, assignor.)
 General Electric Company. (See Kunath, Rudolf, assignor.)
 General Electric Company. (See Labus, John W., assignor.)

- General Electric Company. (See Lange, Heinrich, assignor.)
 General Electric Company. (See Langley, Gordon R., assignor.)
 General Electric Company. (See Langmuir, Irving, assignor.)
 General Electric Company. (See Lappin, John L., assignor.)
 General Electric Company. (See Laub, Hans, assignor.)
 General Electric Company. (See Leach, Edward A., assignor.)
 General Electric Company. (See Leibing, Joseph K., assignor.)
 General Electric Company. (See Lems, Hendrik, assignor.)
 General Electric Company. (See Lenz, Paul, assignor.)
 General Electric Company. (See Lessmann, Gottfried, assignor.)
 General Electric Company. (See Leveen, Laurence R., assignor.)
 General Electric Company. (See Levie, Archie W., assignor.)
 General Electric Company. (See Lewis, W. A., and Johntz, assignors.)
 General Electric Company. (See Lilienthal, M., and Michaelis, assignors.)
 General Electric Company. (See Lincks, G. F., and Flanagan, assignors.)
 General Electric Company. (See Livingston, Orrin W., assignor.)
 General Electric Company. (See Lord, Harold W., assignor.)
 General Electric Company. (See Lorraine, Richard G., assignor.)
 General Electric Company. (See Lucas, George, S. C., assignor.)
 General Electric Company. (See Lukens, Alan F., assignor.)
 General Electric Company. (See Lum, Walter O., assignor.)
 General Electric Company. (See Lynn, Lambert H., assignor.)
 General Electric Company. (See Macchi, Aldo, assignor.)
 General Electric Company. (See Mackintosh, Donald C., assignor.)
 General Electric Company. (See Malloy, Frank J., assignor.)
 General Electric Company. (See Mansur, Clarence W., assignor.)
 General Electric Company. (See Marshall, Abraham L., assignor.)
 General Electric Company. (See Marvin, Harry B., assignor.)
 General Electric Company. (See Matsushima, Kiyoshi, assignor.)
 General Electric Company. (See Maugher, Glenn F., assignor.)
 General Electric Company. (See Mayr, Otto, assignor.)
 General Electric Company. (See McArthur, Elmer D., assignor.)
 General Electric Company. (See McCormick, Francis H., assignor.)
 General Electric Company. (See McDonald, Daniel, assignor.)
 General Electric Company. (See McEachron, K. B., Newton, and Bennett, assignors.)
 General Electric Company. (See McFarland, James L., assignor.)
 General Electric Company. (See McKibben, Wayne E., assignor.)
 General Electric Company. (See McLachlan, Willard J., assignor.)
 General Electric Company. (See McLaughlin, R. Wayne, assignor.)
 General Electric Company. (See McMahan, Kenton D., assignor.)
 General Electric Company. (See McNairy, Jacob W., assignor.)
 General Electric Company. (See McNairy, J. W., and Pritchard, assignors.)
 General Electric Company. (See Meiners, Gustav, assignor.)
 General Electric Company. (See Meissner, Alexander, assignor.)
 General Electric Company. (See Menger, Francis B., assignor.)
 General Electric Company. (See Merrill, Frank W., assignor.)
 General Electric Company. (See Mershon, Alfred V., assignor.)
 General Electric Company. (See Metcalf, G. F., and Kling, assignors.)
 General Electric Company. (See Mikeska, Peter L., assignor.)
 General Electric Company. (See Miller, Virdis, assignor.)
 General Electric Company. (See Millner, Theodore, assignor.)
 General Electric Company. (See Minneci, Salvatore, assignor.)
 General Electric Company. (See Mittag, Albert H., assignor.)
 General Electric Company. (See Mittag, A. H., and Edwards, assignors.)
 General Electric Company. (See Moers, Kurt, assignor.)
 General Electric Company. (See Moffett, Guy A., assignor.)
 General Electric Company. (See Mohler, Francis, assignor.)
 General Electric Company. (See Moles, Frank J., assignor.)
 General Electric Company. (See Moore, Abram J., assignor.)
 General Electric Company. (See Moore, Daniel M., assignor.)
 General Electric Company. (See Morack, Marvin M., assignor.)
 General Electric Company. (See Morrill, Wayne J., assignor.)
 General Electric Company. (See Morrill, Weston, assignor.)
 General Electric Company. (See Morse, Harold F., assignor.)
 General Electric Company. (See Moss, S. A., Puffer, and Reeves, assignors.)
 General Electric Company. (See Mulder, Cornelis A. H., assignor.)
 General Electric Company. (See Mulder, Johannes G. W., assignor.)
 General Electric Company. (See Müller, Kurt E., assignor.)
 General Electric Company. (See Murakami, Katsuzo, assignor.)
 General Electric Company. (See Murphy, George F., assignor.)
 General Electric Company. (See Mutsaers, Johannes P. M., assignor.)
 General Electric Company. (See Nagashev, Boris V., assignor.)
 General Electric Company. (See Nerad, Anthony J., assignor.)
 General Electric Company. (See Nerad, A. J., and Newkirk, assignors.)
 General Electric Company. (See Newkirk, Burt L., assignor.)
 General Electric Company. (See Newman, Delbert F., assignor.)
 General Electric Company. (See Nickle, Clifford A., assignor.)
 General Electric Company. (See Nolte, Henry J., assignor.)
 General Electric Company. (See Nolte, H. J., and McArthur, assignors.)
 General Electric Company. (See Oliver, James H., assignor.)
 General Electric Company. (See Olsen, C. J. B., and Lincks, assignors.)
 General Electric Company. (See O'Neil, James A., assignor.)
 General Electric Company. (See Oosterhuls, Ekko, assignor.)
 General Electric Company. (See Osenberg, Carl, assignor.)
 General Electric Company. (See Ostermeier, Johannes, assignor.)
 General Electric Company. (See Owens, Joseph W., assignor.)
 General Electric Company. (See Pailin, George, assignor.)
 General Electric Company. (See Palmer, Harry L., assignor.)
 General Electric Company. (See Palueff, Konstantin K., assignor.)
 General Electric Company. (See Park, Robert H., assignor.)
 General Electric Company. (See Parry, Robert D., assignor.)
 General Electric Company. (See Paul, William E., assignor.)
 General Electric Company. (See Paxton, Robert, assignor.)
 General Electric Company. (See Payne, John H., assignor.)
 General Electric Company. (See Pearce, Herbert, assignor.)
 General Electric Company. (See Pikelharing, Jan, assignor.)
 General Electric Company. (See Penning, Frans M., assignor.)
 General Electric Company. (See Penning, F. M., and Adink, assignors.)
 General Electric Company. (See Peterson, Justin, assignor.)
 General Electric Company. (See Pfannkuch, Wilhelm, assignor.)
 General Electric Company. (See Pfitzer, Emil, assignor.)
 General Electric Company. (See Philippi, Earl L., assignor.)
 General Electric Company. (See Pickard, Greenleaf W., assignor.)
 General Electric Company. (See Piercy, Carl A., assignor.)
 General Electric Company. (See Pipkin, Marvin, assignor.)
 General Electric Company. (See Pirani, Marcello, assignor.)
 General Electric Company. (See Pirani, M., and Ewest, assignors.)
 General Electric Company. (See Pirani, M., and Reger, assignors.)
 General Electric Company. (See Pirani, M., Reger, and Gaidies, assignors.)
 General Electric Company. (See Platzer, George E., assignor.)

- General Electric Company. (See Porter, Willard E., assignor.)
 General Electric Company. (See Powers, James H., assignor.)
 General Electric Company. (See Pratt, William H., assignor.)
 General Electric Company. (See Price, David R., assignor.)
 General Electric Company. (See Price, Edgar, assignor.)
 General Electric Company. (See Prince, David C., assignor.)
 General Electric Company. (See Proctor, John A., assignor.)
 General Electric Company. (See Puffer, Samuel R., assignor.)
 General Electric Company. (See Rainbault, John P., assignor.)
 General Electric Company. (See Rankin, William K., assignor.)
 General Electric Company. (See Reed, George M., assignor.)
 General Electric Company. (See Reger, Martin, assignor.)
 General Electric Company. (See Reid, Eugene H., assignor.)
 General Electric Company. (See Reinhardt, Gustav, assignor.)
 General Electric Company. (See Reist, Henry G., assignor.)
 General Electric Company. (See Rhea, Thomas R., assignor.)
 General Electric Company. (See Rice, Chester W., assignor.)
 General Electric Company. (See Rich, Theodore A., assignor.)
 General Electric Company. (See Richardson, Henry M.)
 General Electric Company. (See Riggs, Leland W., assignor.)
 General Electric Company. (See Rippl, Francis J., assignor.)
 General Electric Company. (See Rives, Frank M., assignor.)
 General Electric Company. (See Robbins, Percy A., assignor.)
 General Electric Company. (See Robinson, Ernest L., assignor.)
 General Electric Company. (See Robinson, Ernest Y., assignor.)
 General Electric Company. (See Robinson, Manuel G., assignor.)
 General Electric Company. (See Robinson, Percy W.)
 General Electric Company. (See Roder, Hans, assignor.)
 General Electric Company. (See Roesner, Friedrich, assignor.)
 General Electric Company. (See Roessler, Edward W., assignor.)
 General Electric Company. (See Rosch, Arthur, assignor.)
 General Electric Company. (See Ross, Thomas W., assignor.)
 General Electric Company. (See Ruder, William E., assignor.)
 General Electric Company. (See Rundaldu, Lewis R., assignor.)
 General Electric Company. (See Rupp, Emil, assignor.)
 General Electric Company. (See Ruppel, Sigwart, assignor.)
 General Electric Company. (See Ruttenuer, A., and Fritze, assignors.)
 General Electric Company. (See Sabbah, Camil A., assignor.)
 General Electric Company. (See Sabbah, C. A., and Mittag, assignors.)
 General Electric Company. (See Sabbah, C. A., and Morack, assignors.)
 General Electric Company. (See Safford, Moyer M., assignor.)
 General Electric Company. (See St. Clair, Byron W., assignor.)
 General Electric Company. (See St. Palley, Zoltan O., assignor.)
 General Electric Company. (See Sanelowsky, S., and Belling, assignors.)
 General Electric Company. (See Sass, Friedrich, assignor.)
 General Electric Company. (See Sass, F., and Daiber, assignors.)
 General Electric Company. (See Schaefer, Edward J., assignor.)
 General Electric Company. (See Schlingman, Paul F., assignor.)
 General Electric Company. (See Schmidt, August, jr., assignor.)
 General Electric Company. (See Schreiber, Hans, assignor.)
 General Electric Company. (See Schröter, K., and Wolff, assignors.)
 General Electric Company. (See Schult, Heinrich, assignor.)
 General Electric Company. (See Schwabacher, Gerhard P., assignor.)
 General Electric Company. (See Schwarzhaupt, Paul, assignor.)
 General Electric Company. (See Schwedenberg, T., and Auerbach, assignors.)
 General Electric Company. (See Sclater, I. H., and Camilli, assignors.)
 General Electric Company. (See Seede, John A., assignor.)
 General Electric Company. (See Seeley, Harold T., assignor.)
 General Electric Company. (See Setoguchi, K., and Sakurai, assignors.)
 General Electric Company. (See Shanklin, George B., assignor.)
 General Electric Company. (See Shaw, Percy G., assignor.)
 General Electric Company. (See Shawn, George B., assignor.)
 General Electric Company. (See Shawn, G. B., and Bovee, assignors.)
 General Electric Company. (See Shildneck, Lloyd P., assignor.)
 General Electric Company. (See Simon, Hellmut, assignor.)
 General Electric Company. (See Simon, H., and Bareiss, assignors.)
 General Electric Company. (See Singer, Hanns, assignor.)
 General Electric Company. (See Singleton, H. C., and Meissner, assignors.)
 General Electric Company. (See Skolfield, William K., assignor.)
 General Electric Company. (See Smith, Benjamin M., assignor.)
 General Electric Company. (See Sommerfeld, E., and Stäblein, assignors.)
 General Electric Company. (See Sprung, Helmut, assignor.)
 General Electric Company. (See Staehle, Paul M., assignor.)
 General Electric Company. (See Standerwick, Reginald G., assignor.)
 General Electric Company. (See Stanton, Myles J., assignor.)
 General Electric Company. (See Starie, George B., assignor.)
 General Electric Company. (See Steenstrup, Christian, assignor.)
 General Electric Company. (See Stephens, Robert M., assignor.)
 General Electric Company. (See Stephens, R. M., and Chapman, assignors.)
 General Electric Company. (See Stephenson, Hugh M., assignor.)
 General Electric Company. (See Stewart, Clyde E., assignor.)
 General Electric Company. (See Stewart, James N., assignor.)
 General Electric Company. (See Stöhr, Max, assignor.)
 General Electric Company. (See Stone, Charles W., assignor.)
 General Electric Company. (See Stone, Fred L., assignor.)
 General Electric Company. (See Suits, Chauncey G., assignor.)
 General Electric Company. (See Tear, James D., assignor.)
 General Electric Company. (See Temple, Elmer J., assignor.)
 General Electric Company. (See Thearle, Ernest L., assignor.)
 General Electric Company. (See Thieme, Paul, assignor.)
 General Electric Company. (See Thompson, Louis W., assignor.)
 General Electric Company. (See Thumin, Carl, assignor.)
 General Electric Company. (See Thurston, Robert S., assignor.)
 General Electric Company. (See Townsend, George R., assignor.)
 General Electric Company. (See Tracey, Bernard C., assignor.)
 General Electric Company. (See Traver, Oliver C., assignor.)
 General Electric Company. (See Traub, Wilhelm, assignor.)
 General Electric Company. (See Tregenza, Ernest T., assignor.)
 General Electric Company. (See Trembley, Louis E., assignor.)
 General Electric Company. (See Trencham, Henry, assignor.)
 General Electric Company. (See Trencham, H., and Heath.)
 General Electric Company. (See Tritle, John F., assignor.)
 General Electric Company. (See Tritle, J. F., and Eaton, assignors.)
 General Electric Company. (See Uebermuth, Werner, assignor.)
 General Electric Company. (See Umansky, Leonid A., assignor.)
 General Electric Company. (See Ungellenk, Alfred, assignor.)
 General Electric Company. (See Upson, Walter L., assignor.)
 General Electric Company. (See Uytterhoeven, Willem, assignor.)
 General Electric Company. (See Uytterhoeven, W., and van Dam, assignors.)
 General Electric Company. (See Uytterhoeven, W., and Verburg, assignors.)
 General Electric Company. (See van der Poel, Johannes M., assignor.)
 General Electric Company. (See Van Guilder, Walter, assignor.)

- General Electric Company. (See Vars, Ethan W., assignor.)
 General Electric Company. (See Vienneau, Jacob J., assignor.)
 General Electric Company. (See Villiers, William A., assignor.)
 General Electric Company. (See Vogdes, Francis B., assignor.)
 General Electric Company. (See Vouch, Stephen J., assignor.)
 General Electric Company. (See Walker, Angus J., assignor.)
 General Electric Company. (See Walle, Ludwig S., assignor.)
 General Electric Company. (See Warner, Donald F., assignor.)
 General Electric Company. (See Warner, Wilbur W., assignor.)
 General Electric Company. (See Watson, Estell M., assignor.)
 General Electric Company. (See Watts, Noble H., assignor.)
 General Electric Company. (See Weiler, Wilhelm, assignor.)
 General Electric Company. (See Weir, Irvin R., assignor.)
 General Electric Company. (See Weiske, P., and Rupprecht, assignors.)
 General Electric Company. (See Welch, Alfred F., assignor.)
 General Electric Company. (See Weller, Irving F., assignor.)
 General Electric Company. (See Wels, Günter, assignor.)
 General Electric Company. (See Westendorp, Willem F., assignor.)
 General Electric Company. (See Whitaker, Frank P., assignor.)
 General Electric Company. (See Whitney, Chancy F., assignor.)
 General Electric Company. (See Wideröe, Rolf, assignor.)
 General Electric Company. (See Wiegand, Kurt, assignor.)
 General Electric Company. (See Willard, Waldo W., assignor.)
 General Electric Company. (See Willis, Clodius H., assignor.)
 General Electric Company. (See Wilson, Frederick P., jr., assignor.)
 General Electric Company. (See Winne, Harry A., assignor.)
 General Electric Company. (See Winne, H. A., and Umansky, assignors.)
 General Electric Company. (See Wistrup, Carl A., assignor.)
 General Electric Company. (See Wood, Alexander P., assignor.)
 General Electric Company. (See Woodrow, Charles A., assignor.)
 General Electric Company. (See Woodruff, Henry S., assignor.)
 General Electric Company. (See Woods, William J., assignor.)
 General Electric Company. (See Woodworth, John L., assignor.)
 General Electric Company. (See Wright, Daniel K., assignor.)
 General Electric Company. (See Wright, D. K., and Greiner, assignors.)
 General Electric Company. (See Wünsche, Otto, assignor.)
 General Electric Company. (See Young, Andrew H., assignor.)
 General Electric Company. (See Young, George E., assignor.)
 General Electric Company. (See Young, William R., assignor.)
 General Electric Company. (See Zecher, Gustav, assignor.)
 General Electric Company. (See Zecher, G., and Bruijnes, assignors.)
 General Electric Company. (See Zeh, Martin, assignor.)
 General Electric Company Limited. (See Choates, H. J., and Saunders, assignors.)
 General Electric Company Limited, The. (See Kapp, R. O., and Carrothers, assignors.)
 General Electric Company, Limited, The. (See Preisig, Paul, assignor.)
 General Electric Vapor Lamp Co. (See Braun, Frank I., assignor.)
 General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
 General Electric Vapor Lamp Company. (See Dana, David W., assignor.)
 General Electric Vapor Lamp Company. (See Evans, William A. D., assignor.)
 General Electric Vapor Lamp Company. (See Forney, John D., assignor.)
 General Electric Vapor Lamp Company. (See Foulke, Ted E., assignor.)
 General Electric Vapor Lamp Company. (See Lederer, Anton, assignor.)
 General Electric Vapor Lamp Company. (See Kenty, Carl E., assignor.)
 General Electric Vapor Lamp Company. (See Malley, Roy D., assignor.)
 General Electric Vapor Lamp Company. (See Moehler, Otto J., assignor.)
 General Electric Vapor Lamp Company. (See Moos, Frank, assignor.)
 General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)
 General Electric Vapor Lamp Company. (See Winninghoff, Wilford J., assignor.)
 General Electric X-Ray Corporation. (See Ewerhardt, F. H., and Zener, assignors.)
 General Electric X-Ray Corporation. (See Grobe, Julius J., assignor.)
 General Electric X-Ray Corporation. (See Grobe, J. J., and Kizaur, assignors.)
 General Electric X-Ray Corporation. (See Kimble, Harley E., assignor.)
 General Electric X-Ray Corporation. (See Klinckmann, Arthur, assignor.)
 General Electric X-Ray Corporation. (See Neymann, C. A., and Osborne, assignors.)
 General Electric X-Ray Corporation. (See Wantz, Julius B., assignor.)
 General Electric X-Ray Corporation. (See Worden, Jesse L., assignor.)
 General Engineering Corporation, Ltd. (See Ellington, W. T., and Manifold, assignors.)
 General Fire Extinguisher Company. (See Carraway, Thomas W., assignor.)
 General Fire Extinguisher Company. (See Carraway, T. W., and Littlepage, assignors.)
 General Fire Extinguisher Company. (See Dennis, Basil W., assignor.)
 General Fire Extinguisher Company. (See Kennedy, William A., assignor.)
 General Fire Extinguisher Company. (See Knight, Ira W., assignor.)
 General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
 General Fire Extinguisher Company. (See Roland, John, assignor.)
 General Fire Extinguisher Company. (See Schwitzer, Louis, assignor.)
 General Fire Extinguisher Company. (See Schwitzer, L., Winkler, and Beier, assignors.)
 General Fire Extinguisher Company. (See Williams, James H., assignor.)
 General Fireproofing Company, The. (See Anderson, Alfred H., assignor.)
 General Fireproofing Company, The. (See Gibson, G. R., and Wood, assignors.)
 General Fireproofing Company, The. (See Hoge, William, assignor.)
 General Fireproofing Company, The. (See Straubel, Clarence W., assignor.)
 General Foods Corporation. (See MacDougall, Hugh, assignor.)
 General Fuel Briquette Corporation, The. (See Zwoyer, Ellsworth B. A., assignor.)
 General Fuel Briquette Corporation, The. (See Zwoyer, E. B. A., and Stillman, assignors.)
 General Industries Company, The. (See Schmittgen, William A., assignor.)
 General Industries Company, The. (See van der Woude, Fritz, assignor.)
 General Instrument Corporation. (See Cohen, Samuel, assignor.)
 General Insulating & Manufacturing Company. (See Mottweiler, Oliver F., assignor.)
 General Kontrolar Company. (See Bossard, Gisbert L., assignor.)
 General Linen Supply & Laundry Co. (See Troy, Max., assignor.)
 General Machinery Corporation. (See Byerlein, Arthur A., assignor.)
 General Machinery Corporation. (See Cole, Lyndon C., assignor.)
 General Machinery Company. (See Simons, Ernest J., assignor.)
 General Manganese Corporation. (See Sweet, A. T., and McCarthy, assignors.)
 General Mechanical Company, The. (See Lyons, George W., assignor.)
 General Mills, Inc. (See Anderson, Helmer, assignor.)
 General Mills, Inc. (See Blish, Morris J., assignor.)
 General Mills, Inc. (See James, Thomas R., assignor.)
 General Motors Corporation. (See Almen, J. O., and Dolza, assignors.)
 General Motors Corporation. (See Arnold, Charles F., assignor.)
 General Motors Corporation. (See Arthur, James L., assignor.)
 General Motors Corporation. (See Aseltine, Fred E., assignor.)
 General Motors Corporation. (See Baker, R. W., Holmes, and Phelps, assignors.)
 General Motors Corporation. (See Baninger, John H., assignor.)
 General Motors Corporation. (See Bates, Ralph I., assignor.)
 General Motors Corporation. (See Beringer, Roscoe, assignor.)
 General Motors Corporation. (See Bertsche, Ralph, jr., assignor.)
 General Motors Corporation. (See Boca, Joseph, assignor.)
 General Motors Corporation. (See Boegehold, A. L., and Peterson, assignors.)

- General Motors Corporation. (See Bradford, Zerbe C., assignor.)
- General Motors Corporation. (See Brewer, F. T., and Werner, assignors.)
- General Motors Corporation. (See Brittain, Richard J., jr., assignor.)
- General Motors Corporation. (See Brittain, R. J., and Gibbons, assignors.)
- General Motors Corporation. (See Brouwer, Rodger, assignor.)
- General Motors Corporation. (See Catlin, A. A., and Asire, assignors.)
- General Motors Corporation. (See Ceise, Walter A., assignor.)
- General Motors Corporation. (See Chryst, William A., assignor.)
- General Motors Corporation. (See Church, Harold D., assignor.)
- General Motors Corporation. (See Coleman, John G., assignor.)
- General Motors Corporation. (See Collins, Edward W., assignor.)
- General Motors Corporation. (See Cook, Harry A., assignor.)
- General Motors Corporation. (See Cramer, Raymond H., assignor.)
- General Motors Corporation. (See Crawford, James M., assignor.)
- General Motors Corporation. (See Critchfield, Robert M., assignor.)
- General Motors Corporation. (See Cullin, Joseph F., assignor.)
- General Motors Corporation. (See Davis, Charles H., jr., assignor.)
- General Motors Corporation. (See Dinzl, Richard W., assignor.)
- General Motors Corporation. (See Dolza, John, assignor.)
- General Motors Corporation. (See Dolza, J., and Stone, assignors.)
- General Motors Corporation. (See Draper, Harold, assignor.)
- General Motors Corporation. (See Earl, Harley J., assignor.)
- General Motors Corporation. (See Edwards, William C.)
- General Motors Corporation. (See Ehrlich, Jacob, assignor.)
- General Motors Corporation. (See Emmons, W. O., and Williams, assignors.)
- General Motors Corporation. (See Falge, Robert N., assignor.)
- General Motors Corporation. (See Falge, R. N., and Godley, assignors.)
- General Motors Corporation. (See Fast, Marion L., assignor.)
- General Motors Corporation. (See Fielden, Arthur, assignor.)
- General Motors Corporation. (See Fitzsimmons, John T., assignor.)
- General Motors Corporation. (See Forbes, Henry C., assignor.)
- General Motors Corporation. (See Funston, Frederick D., assignor.)
- General Motors Corporation. (See Funston, F. D., and Berry, assignors.)
- General Motors Corporation. (See Gaminez, Harold, assignor.)
- General Motors Corporation. (See Geise, Walter A., assignor.)
- General Motors Corporation. (See Gerlach, C. A., and Sanders, assignors.)
- General Motors Corporation. (See Geyer, Harvey D., assignor.)
- General Motors Corporation. (See Gibbons, Harold R., assignor.)
- General Motors Corporation. (See Gibbons, H. R., and Young, assignors.)
- General Motors Corporation. (See Guempel, Robert R., assignor.)
- General Motors Corporation. (See Gundry, Eldon P., assignor.)
- General Motors Corporation. (See Hall, Farrington, R., assignor.)
- General Motors Corporation. (See Harrison, Walter D., assignor.)
- General Motors Corporation. (See Hartzell, Herman L., assignor.)
- General Motors Corporation. (See Henne, Albert L., assignor.)
- General Motors Corporation. (See Holmes, John Q., assignor.)
- General Motors Corporation. (See Holmes, J. Q., and Roberts, assignors.)
- General Motors Corporation. (See Hopkins, Albert L., assignor.)
- General Motors Corporation. (See House, Clifford N., assignor.)
- General Motors Corporation. (See Houston, Junius W., assignor.)
- General Motors Corporation. (See Hughes, Frederick G., assignor.)
- General Motors Corporation. (See Keller, Clarence J., assignor.)
- General Motors Corporation. (See Kennington, William O., assignor.)
- General Motors Corporation. (See Kindl, C. H., and Funston, assignors.)
- General Motors Corporation. (See King, Frank A., assignor.)
- General Motors Corporation. (See Kingston, F. S., assignor, and Conley.)
- General Motors Corporation. (See Koubek, John L., assignor.)
- General Motors Corporation. (See Kull, Walter A., assignor.)
- General Motors Corporation. (See Large, Samuel R., assignor.)
- General Motors Corporation. (See Leach, Albert E., assignor.)
- General Motors Corporation. (See Lee, John W., assignor.)
- General Motors Corporation. (See Long, Henry J., assignor.)
- General Motors Corporation. (See Loring, Thomas W., assignor.)
- General Motors Corporation. (See Loudon, Warren P., assignor.)
- General Motors Corporation. (See Midgley, Thomas, jr., assignor.)
- General Motors Corporation. (See Midgley, T., jr., Henne, and McNary, assignors.)
- General Motors Corporation. (See Miller, John L., assignor.)
- General Motors Corporation. (See Miller, Julius C., assignor.)
- General Motors Corporation. (See Milner, Wilfred R., assignor.)
- General Motors Corporation. (See Morton, Craig V., assignor.)
- General Motors Corporation. (See Mougey, H. C., and Short, assignors.)
- General Motors Corporation. (See Mullen, R. F., and Lee, assignors.)
- General Motors Corporation. (See Murn, James C., assignor.)
- General Motors Corporation. (See Nacker, Owen M., assignor.)
- General Motors Corporation. (See Neuman, Fred A., assignor.)
- General Motors Corporation. (See Norviel, Harry E., assignor.)
- General Motors Corporation. (See Parker, Leslie O., assignor.)
- General Motors Corporation. (See Parker, L. O., and Woolbert, assignors.)
- General Motors Corporation. (See Parkhill, James, assignor.)
- General Motors Corporation. (See Phelps, A. W., Holmes, Birch, and Smith, assignors.)
- General Motors Corporation. (See Phelps, A. W., and Malone, assignors.)
- General Motors Corporation. (See Phillips, W. M., and Cole, assignors.)
- General Motors Corporation. (See Pierce, Earl R., assignor.)
- General Motors Corporation. (See Poole, Lora E., assignor.)
- General Motors Corporation. (See Prescott, F. H., and Crawford, assignors.)
- General Motors Corporation. (See Primrose, George A., assignor.)
- General Motors Corporation. (See Rabezana, Hector, assignor.)
- General Motors Corporation. (See Rabezana, H., and Duffendack, assignors.)
- General Motors Corporation. (See Randolph, Donald W., assignor.)
- General Motors Corporation. (See Rasmussen, Olaf, assignor.)
- General Motors Corporation. (See Riedel, Walter W., assignor.)
- General Motors Corporation. (See Rossman, Edwin F., assignor.)
- General Motors Corporation. (See Schake, L. W., and Peck, assignors.)
- General Motors Corporation. (See Schluchter, Alfred W., assignor.)
- General Motors Corporation. (See Seabury, R. L., and Murray, assignors.)
- General Motors Corporation. (See Shippy, Leo C., assignor.)
- General Motors Corporation. (See Shippy, L. C., Phelps, and Holmes, assignors.)
- General Motors Corporation. (See Short, Charles R., assignor.)
- General Motors Corporation. (See Summers, Caleb E., assignor.)
- General Motors Corporation. (See Taub, Alex, assignor.)
- General Motors Corporation. (See Teeter, Wilford H., assignor.)
- General Motors Corporation. (See Tenney, P. L., and Fidler, assignors.)
- General Motors Corporation. (See Thompson, Earl A., assignor.)
- General Motors Corporation. (See Thompson, E. A., and Olley, assignors.)
- General Motors Corporation. (See Thomson, Bernard, assignor.)
- General Motors Corporation. (See Tormyn, H., and Wiethoff, assignors.)
- General Motors Corporation. (See Turnquist, Edward, assignor.)

- General Motors Corporation. (See Vuilleumier, Albert, assignor.)
- General Motors Corporation. (See Waderlow, Benjamin A., assignor.)
- General Motors Corporation. (See Werner, Calvin J., assignor.)
- General Motors Corporation. (See Williams, Hubert L., assignor.)
- General Motors Corporation. (See Wilson, Livingston A., assignor.)
- General Motors Corporation. (See Wise, Edmund M., assignor.)
- General Motors Corporation. (See Wolcott, Leslie C., assignor.)
- General Motors Corporation. (See Youngren, Harold T., assignor.)
- General Motors Corporation. (See Zubaty, Joseph, assignor.)
- General Motors Research Corporation. (See Almen, John O., assignor.)
- General Motors Research Corporation. (See Almen, J. O., and Berry, assignors.)
- General Motors Research Corporation. (See Berry, George P., assignor.)
- General Motors Research Corporation. (See Boegehold, A. L., and Tobin, assignors.)
- General Motors Research Corporation. (See Boegehold, A. L., Tobin, and Smart, assignors.)
- General Motors Research Corporation. (See Chase, Theron P., assignor.)
- General Motors Research Corporation. (See Dickson, John B., assignor.)
- General Motors Research Corporation. (See Godley, Charles E., assignor.)
- General Motors Research Corporation. (See Gove, Winfield D., assignor.)
- General Motors Research Corporation. (See Kettering, Charles F., assignor.)
- General Motors Research Corporation. (See Lindblom, Carl A., assignor.)
- General Motors Research Corporation. (See Perrine, Lester E., assignor.)
- General Motors Research Corporation. (See Shomaker, Fred G., assignor.)
- General Motors Research Corporation. (See Tyler, John M., assignor.)
- General Motors Research Corporation. (See Wirshing, R. J., and Mougey, assignors.)
- General Motors Research Corporation. (See Woolman, Nelson E., assignor.)
- General Motors Truck Corporation. (See Austin, Dwight E., assignor.)
- General Outdoor Advertising Co., Inc. (See Miller, William W., assignor.)
- General Paint Corporation. (See Boylan, D. W., Kramer, and Jansen, assignors.)
- General Petroleum Corporation of California. (See Wheeler, R. C., and Prutzman, assignors.)
- General Plastics, Inc. (See Norton, A. J., and Sontag, assignors.)
- General Plate Company. (See Bush, Vannevar, assignor.)
- General Plate Company. (See Butler, Benjamin J., assignor.)
- General Plate Company. (See Ross, Oscar A., assignor.)
- General Plate Company. (See Schaefer, August G., assignor.)
- General Plate Company. (See Spencer, John A., assignor.)
- General Printing Ink Corporation. (See Guillo, Harry P., assignor.)
- General Printing Ink Corporation. (See Ogden, Ashley G., assignor.)
- General Radio Company. (See Clapp, James K., assignor.)
- General Radio Company. (See Clapp, J. K., and Worthen, assignors.)
- General Radio Company. (See Field, Robert F., assignor.)
- General Railway Signal Company. (See Bennett, Jerry.)
- General Railway Signal Company. (See Bodde, Theodore.)
- General Railway Signal Company. (See Brown, Ned C. L., assignor.)
- General Railway Signal Company. (See Bushnell, Charles S., assignor.)
- General Railway Signal Company. (See Carter, Ainslie T., assignor.)
- General Railway Signal Company. (See Carter, A. T., and Moore, assignors.)
- General Railway Signal Company. (See Davison, Gordon W., assignor.)
- General Railway Signal Company. (See Dicke, O. H., and Preston, assignors.)
- General Railway Signal Company. (See Dodgson, Frank L., assignor.)
- General Railway Signal Company. (See Field, Oscar S., assignor.)
- General Railway Signal Company. (See Halles, William D., assignor.)
- General Railway Signal Company. (See Henry, William S., assignor.)
- General Railway Signal Company. (See Henry, W. S., and Mackey, assignors.)
- General Railway Signal Company. (See Hitchcock, Forrest B., assignor.)
- General Railway Signal Company. (See Howe, Winthrop K., assignor.)
- General Railway Signal Company. (See Kempster, Ernest B., jr., assignor.)
- General Railway Signal Company. (See Leake, Richard C., assignor.)
- General Railway Signal Company. (See Merkel, Joseph F., assignor.)
- General Railway Signal Company. (See Mersereau, D. W., and Kempster, Jr., assignors.)
- General Railway Signal Company. (See Palermo, John J., assignor.)
- General Railway Signal Company. (See Peabody, James A., assignor.)
- General Railway Signal Company. (See Reichard, Wade H., assignor.)
- General Railway Signal Company. (See Ross, Oscar A.)
- General Railway Signal Company. (See Snyder, Howard O., assignor.)
- General Railway Signal Company. (See Stephenson, James E., assignor.)
- General Railway Signal Company. (See Stoltz, C. F., and Welsh, assignors.)
- General Railway Signal Company. (See Wickson, Harmon, assignor.)
- General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
- General Railway Signal Company. (See Willing, Joseph E., assignor.)
- General Railway Signal Company. (See Wolfe, R. J., and Smith.)
- General Reduction Corporation. (See Smith, William H., assignor.)
- General Refractories Company. (See Heuer, Russell P., assignor.)
- General Rubber Company. (See Rose, R. P., and Owen, assignors.)
- General Salt Company. (See Bierbaum, Harry E., assignor.)
- General Salt Company. (See Girvin, Charles W., assignor.)
- General Scientific Corporation. (See Miesse, Richard E., assignor.)
- General Seal & Lock Corporation. (See Lewis, Theodore B., assignor.)
- General Spring Bumper Corporation. (See Douth, Owen, assignor.)
- General Spring Bumper Corporation. (See Gregory, S., and Tompkins, assignors.)
- General Spring Bumper Corporation. (See Hemstreet, Steven M., assignor.)
- General Spring Bumper Corporation. (See Jandus, Herbert S., assignor.)
- General Steel Castings Corporation. (See Bender, Frederic H., assignor.)
- General Steel Castings Corporation. (See Cease, Robert R., assignor.)
- General Steel Castings Corporation. (See Driemoyer, George F., assignor.)
- General Steel Castings Corporation. (See Fetters, Arthur H., assignor.)
- General Steel Castings Corporation. (See Fisher, Raymond E., assignor.)
- General Steel Castings Corporation. (See Gilpin, G. G., and Small, assignors.)
- General Steel Castings Corporation. (See Hallquist, Einar G., assignor.)
- General Steel Castings Corporation. (See Hallquist, E. G., and Krauthelm, assignors.)
- General Steel Castings Corporation. (See Howard, Karl S., assignor.)
- General Steel Castings Corporation. (See Howard, K. S., and Jackson, assignors.)
- General Steel Castings Corporation. (See Le Gare, Arthur E., assignor.)
- General Steel Castings Corporation. (See Pfleger, Harry M., assignor.)
- General Steel Castings Corporation. (See Pfleger, H. M., assignor, and Ayers.)
- General Steel Castings Corporation. (See Pfleger, H. M., and Hallquist, assignors.)
- General Steel Castings Corporation. (See Sheehan, William M., assignor.)
- General Steel Castings Corporation. (See Travilla, J. C. Jr., and Hallquist, assignors.)
- General Steel Castings Corporation. (See Wintenberg, Adelbert C., assignor.)
- General Supply Company. (See Steck, Fred H., assignor.)
- General Talking Pictures Corporation. (See de Forest, Lee, assignor.)
- General Talking Pictures Corporation. (See Tappan, Chester, assignor.)
- General Timber Service, Inc. (See MacKenzie, Neal T., assignor.)
- General Timber Service, Inc. (See Payzant, Henry H., assignor.)
- General Timber Service, Inc. (See Payzant, H. H., and Lueth, assignors.)
- General Tire & Rubber Company, The. (See Anderson, George W., assignor.)
- General Tire & Rubber Company, The. (See Bittaker, Charles E., assignor.)
- General Tire & Rubber Company, The. (See Breth, Walter J., assignor.)
- General Tire & Rubber Company, The. (See Clough, Lee E., assignor.)
- General Tire & Rubber Company, The. (See Denmire, Harold A., assignor.)

- General Tire & Rubber Company, The. (See Engler, M. L., and Breth, assignors.)
- General Tire & Rubber Company, The. (See Harrington, Ralph H., assignor.)
- General Tire & Rubber Company, The. (See Knowlton, Arthur S., assignor.)
- General Tire & Rubber Company, The. (See Maranville, Alger G., assignor.)
- General Tire & Rubber Company, The. (See Maranville, Harvey F., assignor.)
- General Tire & Rubber Company, The. (See Orr, Clifford B., assignor.)
- General Tungsten Manufacturing Co. (See Oberdick, E. O., and Ringwald, assignors.)
- General Water Treatment Corporation. (See Dotterweich, Andrew J., assignor.)
- General Water Treatment Corporation. (See Turner, Edward T., assignor.)
- General Zeolite Co. (See Behrman, Abraham S., assignor.)
- General Zeolite Co. (See Green, Walter H.)
- Generaldirektion der Oesterreichischen Tabak-Regie. (See Frank, Leonhard, assignor.)
- Genesey Electric Lantern Company. (See Patche, Henry B., assignor.)
- Geneva Metal Wheel Company. (See Webster, Glenn C., assignor.)
- Gengler, Edwin J., Milwaukee, Wis. Stock enclosure and system of electrically charging the same. 1,976,721; Oct. 16.
- Genrich, Arnold W., assignor of three-tenths to A. Grewe, two-tenths to W. Frohbose, one-tenth to L. Grewe, and one-tenth to W. A. Vollmeke, New York, N. Y. Electric incandescent lamp. 1,977,124; Oct. 16.
- Gensburg, Louis W., Chicago, Ill. Game apparatus. Des. 94,024; Dec. 11.
- Gensburg, Meyer, Chicago, Ill. Vending machine. Des. 92,396; June 5.
- Gensburg, Meyer, Chicago, Ill. Amusement game accessory. 1,972,381; Sept. 4.
- Gensch, Karl, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany. Heat carrier for high temperatures. 1,984,369; Dec. 18.
- Genescke, Wilhelm, Gonzenheim, near Frankfurt-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Refining vegetable and animal oils and fats. 1,968,252; July 31.
- Gent, Edgar W. (See Glunt, O. M., and Gent.)
- Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph recording machine. 1,958,616; May 15.
- Gent, Karl T., Terre Haute, Ind., and N. G. Johnson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 1,963,619; June 19.
- Gentet, Albert, Paris, France. Pocket cryptographic apparatus. 1,956,384; Apr. 24.
- Gentile, Virginio J., assignor to Beauty Utilities, Inc., Summit, N. J. Permanent waving. 1,943,889; Jan. 16.
- Gentle, William M., Los Angeles, Calif., assignor of one-half to L. F. Seanson, Chicago, Ill. Adapter. 1,977,847; Oct. 23.
- Gentner, Frederick, assignor to North American Lace Company Incorporated, Philadelphia, Pa. Lace. Des. 91,937; Apr. 10.
- Gentner, Frederick, assignor to North American Lace Company, Inc., Philadelphia, Pa. Lace. Des. 93,388; Sept. 25.
- Gentner, Frederick, assignor to North American Lace Company, Inc., Philadelphia, Pa. Lace. Des. 93,389; Sept. 25.
- Gentner, Frederick, assignor to North American Lace Company, Inc., Philadelphia, Pa. Lace. Des. 93,468; Oct. 2.
- Gentner, Frederick, assignor to North American Lace Company, Inc., Philadelphia, Pa. Lace. Des. 93,870; Nov. 20.
- Gentner, Stephen G., Detroit, Mich. Valve. 1,973,249; Sept. 11.
- Gentzler, Mervin, York assignor to The McKay Company, Pittsburgh, Pa. Tire chain. 1,981,726; Nov. 20.
- Genz, Frederick W., New Haven, Conn. Container with shape-retaining slide. 1,967,204; July 17.
- Genz, Frederick W., assignor to Virginia-Carolina Chemical Corp., Richmond, Va. Fertilizer. 1,944,788; Jan. 23.
- Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
- Geophysical Research Corporation. (See Owen, John E., assignor.)
- Geophysical Service Inc. (See Burg, Kenneth E., assignor.)
- George, Armor A., Chaffee, Mo. Artificial arm. 1,973,805; Sept. 18.
- George, David. (See Lazar, Abraham, assignor.)
- George, David, Swansea, Wales, assignor to "Shell" Marketing Company, Limited, London, England. Tool for forming containers. 1,968,036; July 31.
- George, Enoch, Jr. (See Regan, W. J., and George.)
- George, Harry S., Massapequa, N. Y., assignor to The Linde Air Products Company. Welding process. 1,973,341; Sept. 11.
- George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Cold rolled iron chromium alloy article. 1,980,331; Nov. 13.
- George, Henri, Paris, and G. Delpach, Clamart, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Electrical furnace. 1,951,753; Mar. 20.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling mill. 1,953,165; Apr. 3.
- George, John L. (See Thompson, H. A., and George.)
- George & Sherrard Paper Co. (See Herder, Raymond F., assignor.)
- George, Stephen, Shelton, Conn. Hydraulic valve tappet assembly. 1,966,794; July 17.
- George, Walter, assignor to Robert Gaylord, Incorporated, St. Louis, Mo. Shipping case fastening device. 1,962,500; June 12.
- George, Wellington A., Bellingham, Wash. Mold-cap filler bar for intertype casting machines. 1,959,914; May 22.
- Georgiev, Alexander, Brooklyn, N. Y., assignor to Aerovox Corporation. Electrolytic cell and parts thereof and making the same. 1,963,049; June 12.
- Georgiev, Alexander, Brooklyn, N. Y., assignor to Aerovox Corporation. Electric condenser. 1,973,852; Sept. 18.
- Geppi, Salvatore, Puyallup, Wash. Hair waving apparatus. 1,976,490; Oct. 9.
- Gept, René, Tarascon, France. Mechanical hoe. 1,956,897; May 1.
- Geraci, Charles, East Boston, Mass. Toy gun. 1,971,137; Aug. 21.
- Geraghty, John P., deceased, Jersey City N. J.; J. G. Flanagan, executor. Antistall mechanism for automobile engines. 1,952,667; Mar. 27.
- Geraghty, John P., deceased, Jersey City, N. J.; J. G. Flanagan, executor. Safety device for internal combustion engines. 1,974,488; Sept. 25.
- Geraghty, John P., deceased, Jersey City, N. J.; J. G. Flanagan, executor. Safety mechanism for automobile engines. 1,974,489; Sept. 25.
- Gerard, August, and G. A. Gerard, assignors to Cotton-Wood Products Inc., Reading, Mass. Laminated cushion products. 1,959,951; May 22.
- Gerard, August, Reading, and M. Weisman, Brighton, assignors to Cotton-Wood Products, Inc., Reading, Mass. Making fiber products. 1,970,742; Aug. 21.
- Gerard, Frank B., assignor to Sargent & Company, New Haven, Conn. Lock. 1,974,066; Sept. 18.
- Gerard, George A. (See Gerard, August and G. A.)
- Gerard, Joseph, Washington, D. C. Tonsorial instrument case. 1,955,419; Apr. 17.
- Gérard, Léon, Sevres, assignor to P. Viet, Billancourt, Seine, France. Starter for internal-combustion engines. 1,944,641; Jan. 23.
- Gérard, Léon, Sevres, assignor to P. Viet, Billancourt, France. Starting device for internal combustion engines. 1,981,789; Nov. 20.
- Gerber, Charles, Madison, Wis. Stringed musical instrument. 1,959,530; May 22.
- Gerber, Menno, Orville, Ohio. Cherry. Pl. Pt. 94; Apr. 17.
- Gerbert, Otto F. (See Hofmann, W., and Gerbert.)
- Gerdes, Adolf, Berlin, assignor of one-third to H. Goeldel, Berlin-Charlottenburg, and one-third to M. Schmeling, Bad Saarow, near Berlin, Germany. Flying target. 1,966,342; July 10.
- Gerdes, John H., Baltimore, Md. Lateral control for aircraft. 1,962,390; June 12.
- Gerdetz, Louis F., Shamokin, Pa. Mining coal. 1,967,115; July 17.
- Gerdetz, Louis F., Shamokin, Pa. Cutter chain. 1,967,116; July 17.
- Gerdetz, Louis F., Philadelphia, Pa. Cutter chain. 1,967,117; July 17.
- Gerdts, Gustav F. (See Elten, Alfred P., assignor.)
- Gerdts, Gustav F., Bremen, Germany. Discharge valve for tank cars. 1,985,858; Dec. 25.
- Gere, Clair M., Green Bay, Wis., assignor to Natural Cheese Corporation, Dover, Del. Cheese mold. 1,956,898; May 1.
- Gerend, Matthias S., Berkeley, Calif., assignor to Cochran Corporation, Philadelphia, Pa. Method of and apparatus for heating and deaerating water. 1,966,796; July 17.
- Gerhardt, Charles C., Douglas Manor, N. Y. Brush. 1,961,926; June 5.
- Gerhardt, Charles C., Douglas Manor, Long Island, N. Y. Brush. 1,970,302; Aug. 14.
- Gerhardt, Oswald C., Houston, Tex. Sample obtaining implement. 1,965,638; July 10.
- Gerhardt, William F., Richmond, Va. Fuel economizer. 1,961,290; June 5.
- Gerhardt, William F., Grosse Ile, and C. A. Brock, Detroit, Mich., assignors, by mesne assignments, to Devon Corporation. Amusement apparatus. 1,947,982; Feb. 20.
- Gerhardt, William F., Grosse Ile, and C. A. Brock, Detroit, Mich., assignors, by mesne assignments, to Devon Corporation. Wind tunnel balance. 1,980,195; Nov. 13.
- Gerhart, Arthur J., Lorain, Ohio. Signal operating switch. 1,976,690; Oct. 9.
- Gerhold, Charles M., New York, N. Y. Exhaust gas washing apparatus. 1,943,348; Feb. 20.
- Gerin, Gaston, P. J. Brancha, and S. Teszner, Grenoble, France. Device for extinction of electric arcs. 1,948,658; Feb. 27.
- Gerin, Jacques, Boulogne-sur-Seine, France. Airplane having a variable lifting surface. 1,979,194; Oct. 30.

- Gerke, Roscoe H., Nutley, N. J., assignor to Morgan & Wright, Detroit, Mich. Method and apparatus for relieving plastic materials of shrinkage stresses. 1,973,059; Sept. 11.
- Gerke, Roscoe H., Nutley, N. J., assignor to Morgan & Wright, Detroit, Mich. Treatment of rubber. 1,981,168; Nov. 20.
- Gerken, Henry, Oakland, Calif. Hair waving apparatus. 1,946,847; Feb. 13.
- Gerking, Ardis D., Freewater, Oreg. Interchangeable battery cell. 1,982,801; Dec. 4.
- Gerking, Donald V., New York, N. Y. Lithographic process. 1,961,927; June 5.
- Gerlach, Carl A., and W. E. Sanders, Muncie, Ind. System of electrical distribution. 1,965,181; July 3.
- Gerlach, Carl A., and W. E. Sanders, Muncie, Ind., assignors to General Motors Corporation. Electrical distributing apparatus. 1,965,182; July 3.
- Gerlach, Frank A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Rotary cylinder structure. 1,968,679; July 31.
- Gerlach, Frank A., and J. Bohlander, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Doorlatch. 1,964,114; June 26.
- Gerlach, Glendon T. (See Basquin, O. H., Harazin, and Gerlach.)
- Gerlach, Thomas A., Harvey, Ill. Draft control. 1,974,567; Sept. 25.
- Gerlich, Hermann, Kiel, Germany. Projectile propelling apparatus. 1,944,883; Jan. 30.
- Gerlich, Hermann, Bexley, England. Projectile. 1,944,885; Jan. 30.
- Gerlich, Hermann E. G. T., Kiel, Germany. Bullet. 1,944,884; Jan. 30.
- Gerling, Carl H., Schenectady, N. Y., assignor to General Electric Company. Grinding machine. 1,945,396; Jan. 30.
- Gerlofsen, Carl H., and T. J. Nelson, Chicago, Ill. Cushion. 1,957,040; May 1.
- Germain, Amedie J., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 92,342; May 29.
- Germantown Trust Company, executor. (See Vawter, Charles E., assignor.)
- Germershausen, Werner, Berlin-Oberschoneweide, Germany. Electrical discharging rectifier with a plurality of anodes. 1,944,555; Jan. 23.
- Germonprez, John A., Grosse Pointe Park, assignor to Uni-Flo Grille Corporation, Detroit, Mich. Register and grille. 1,945,972; Feb. 6.
- Germonprez, John A., assignor to Uni-Flo Grille Corporation, Detroit, Mich. Damper control for wall registers or grilles. 1,946,788; Feb. 13.
- Germonprez, John A., assignor to Uni-flo Grille Corporation, Detroit, Mich. Wall register and grille support. 1,952,707; Mar. 27.
- Gernes, Donald, Minneapolis, Minn. Preparation of a cuprous chloride. 1,964,569; June 26.
- Gernes, Donald, Minneapolis, Minn. Electrolyte for the deposition of copper and copper alloys. 1,969,553; Aug. 7.
- Gerngross, Otto. (See Lockemann, G., Gerngross, Rülke, and Ulrich.)
- Gernsback, Hugo, et al. (See Kraus, Joseph H., assignor.)
- Gernsback, Sidney, et al. (See Kraus, Joseph H., assignor.)
- Gerola, Mario A., Brooklyn, N. Y. Cooky paste dropper. 1,961,966; June 5.
- Gerolimich, Ermanno. (See Martinoli, F., and Gerolimich.)
- Gerow, Leonard H., Toledo, Ohio. Golf club grip. 1,942,922; Jan. 9.
- Gerow, Leonard H., Toledo, Ohio. Damper control. 1,954,125; Apr. 10.
- Gerrard Industries Limited. (See Taplin, Harold J., assignor.)
- Gerrard Company, Inc., The. (See Spoor, Ivan H., assignor.)
- Gerrard Company, Inc., The. (See Spoor, I. H., and Le Tournau, assignors.)
- Gerrard Company, Inc., The. (See Wright, Parvin, assignor.)
- Gerrard Industries Limited. (See Brunaa, Olof U. B. J., assignor.)
- Gerrard Industries Limited. (See White, T., and Lister, assignors.)
- Gerrard, Sidney, Winnetka, Ill., assignor to Crane Packing Company. Supporting horse. 1,953,012; Mar. 27.
- Gerrard, William, Timperley, and W. Harris, Altrincham, England. Stereotype plate casting machine. 1,957,104; May 1.
- Gerrish, John G., Brookline, Mass. Motor snowplow. 1,942,809; Jan. 9.
- Gersbach, Charles C., Larchmont, N. Y. Textile fabric or similar article. Des. 92,072; Apr. 24.
- Gerschel, Paul, Strassbourg, France. Inkwell. 1,963,785; June 19.
- Gershen, Dorothy, Cleveland, Ohio. Lady's underwear. 1,979,540; Nov. 6.
- Gershon, Benjamin, Chicago, Ill. Table mat. 1,944,686; Jan. 23.
- Gershowitz, Samuel, New York, and B. Lipfert, Brooklyn, N. Y. Talking doll. 1,967,818; July 24.
- Gerstandt, Frederick W., Knox, Ind. Seed mixing machine. 1,948,231; Feb. 20.
- Gerstein, Harry. (See Gardner, P., and Gerstein.)
- Gerstenberger, Donald F., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,945,604; Feb. 6.
- Gerster, William V., McDonald, Ohio. Die machine. 1,984,737; Dec. 18.
- Gerth, Felix, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Power line for antenna. 1,964,048; June 26.
- Gerth, Oswald, Berlin-Wilmersdorf, assignor to Siemens-Elektro-Osmose G. m. b. H., Siemensstadt, near Berlin, Germany. Electro-osmotic purification of liquids. 1,949,467; Mar. 6.
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, G., Michelssen, and Wehnert, assignors.)
- Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H. (See Gensch, Karl, assignor.)
- Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H. (See Koenemann, Ernst, assignor.)
- Gesellschaft für Elektroschweissung et al. (See Weber, Karl, assignor.)
- Gesellschaft für Kohlentechnik m. b. H. (See Gluud, Wilhelm, assignor.)
- Gesellschaft für Kohlentechnik m. b. H. (See Gluud, W., Brodkorb, and Klempert, assignors.)
- Gesellschaft für Kohlentechnik m. b. H. (See Gluud, W., and Klempert, assignors.)
- Gesellschaft für Kohlentechnik m. b. H. (See Klempert, W., and Brodkorb, assignors.)
- Gesellschaft für Linde's Eismaschinen A. G. (See Linde, Richard, assignor.)
- Gesellschaft für Linde's Eismaschinen A. G. (See Schuftan, Paul, assignor.)
- Gesellschaft für Ueberseehandel m. b. H. (See Behnke, Paul, assignor.)
- Geslowitz, Abraham, New York, N. Y. Combination article of furniture. 1,984,207; Dec. 11.
- Gess, Louis, Jenkintown, assignor to The Brown Instrument Company, Philadelphia, Pa. Flow meter. 1,962,769; June 12.
- Gessler, Albert E., Yonkers, assignor to Zinsser & Company, Incorporated, Hastings-on-Hudson, N. Y. Pigment. 1,984,182; Dec. 11.
- Gessler, Harry C., Brooklyn, N. Y. Salt shaker. 1,982,094; Nov. 27.
- Gessner, David, Worcester, Mass. Truck for handling cloth. 1,959,622; May 22.
- Gessner, David, Worcester, Mass. Fulling machine. 1,977,579; Oct. 16.
- Gessner, Ernst, Aktiengesellschaft. (See Wenzel, Emil, assignor.)
- Gessner, Max. (See Schubert, Karl, assignor.)
- Gest-Beaumont, Inc. (See Gest, Raymond E., assignor.)
- Gest, Raymond E., assignor to Gest-Beaumont, Inc., Milwaukee, Wis. Atomizer. Des. 92,842; July 24.
- Gest, Raymond E., assignor to Gest-Beaumont, Inc., Milwaukee, Wis. Atomizer. Des. 92,843; July 24.
- Getaz, Emile, Durban, Union of South Africa, assignor to Automatic Fluid Distributing Company (Proprietary) Limited, Durban, Natal, South Africa. Automatic coin-operated liquid measuring and dispensing device. 1,942,330; Jan. 2.
- Getaz, James L., Maryville, Tenn. Method and double stocking blank for manufacturing stockings. 1,942,331; Jan. 2.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Thermostatic contact mechanism. 1,962,587; June 12.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety lock for electric switches. 1,981,353; Nov. 20.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Thermostatic switch. 1,983,076; Dec. 4.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Adjustable thermostatic switch. 1,983,077; Dec. 4.
- Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Core covering machine. 1,970,228; Aug. 14.
- Gettelman, Fredrick, Milwaukee, Wis. Snowplow. 1,957,771; May 8.
- Gettig, Allen D. (See Gettig, Joseph H. and A. D.)
- Gettig, Joseph H. and A. D., Ellwood City, Pa., assignors to National Tube Company. Honing apparatus. 1,963,620; June 19.
- Gettinger, Joseph, Detroit, Mich. Photo-electric tube. 1,942,545; Jan. 9.
- Getty, Fred I., Jennings, La. Light and signal control for vehicles. 1,971,341; Aug. 28.
- Getty, Fred I., Jennings, La. Illuminated signal. 1,972,090; Sept. 4.
- Getz, Alonzo M., Morton, Pa. Thermostat lock. 1,945,432; Jan. 30.
- Getz, Benjamin E., assignor to Getz Power Washer Company, Morton, Ill. Washing machine. 1,965,183; July 3.
- Getz, Emil L., Hillsdale, N. J., R. J. L. Pentland, Brooklyn, N. Y., and L. A. Dorff, Bloomfield, N. J., assignors to American Telephone and Telegraph Company. Telephone system. 1,975,207; Oct. 2.
- Getz Power Washer Company. (See Getz, Benjamin E., assignor.)

- Getzen, John E., Birmingham, Ala., assignor to F. C. Fantz, Webster Groves, Mo. Return bend. 1,962,189; June 12.
- Gewert Manufacturing Company, The. (See Gay, Arthur W., assignor.)
- Geyer, Blanche M., executrix. (See Geyer, John F.)
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,943,915; Jan. 16.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Freezing tray. 1,945,605; Feb. 6.
- Geyer, Harvey D., assignor to Inland Manufacturing Company, Dayton, Ohio. Freezing tray. 1,953,166; Apr. 3.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Freezing tray. 1,953,167; Apr. 3.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Protection plate for ice cream cabinets and the like. 1,953,168; Apr. 3.
- Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Freezing tray. 1,964,431; June 26.
- Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Resilient engine mount. 1,964,432; June 26.
- Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Self-lubricated spring for automobiles. 1,967,088; July 17.
- Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Vibration-absorbing connector. 1,975,145; Oct. 2.
- Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Sealed double-pane glass and frame. 1,975,895; Oct. 9.
- Geyer, Harvey D., assignor to Inland Manufacturing Company, Dayton, Ohio. Propeller shaft with rubber cushion. 1,979,969; Nov. 6.
- Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Oscillating pivot joint. 1,983,796; Dec. 11.
- Geyer, Harvey D., Dayton, Ohio, and R. J. Waterbury, Detroit, Mich., assignors to The Inland Manufacturing Company, Dayton, Ohio. Automobile running board. 1,952,065; Mar. 27.
- Geyer, Herman, Camden, N. J. Apparatus for locating places on maps. 1,965,337; July 3.
- Geyer, John F., deceased; B. M. Geyer, Willow Grove, executrix, assignor to The Filler Machine Company, Incorporated, Philadelphia, Pa. Cup dispensing mechanism. 1,963,621; June 19.
- Geyer, William O., Bloomfield, N. J. Chemical laboratory apparatus. 1,973,754; Sept. 18.
- Geyer, William O., Bloomfield, N. J. Chemical laboratory apparatus. 1,973,755; Sept. 18.
- Geyger, Wilhelm, Dusseldorf, Germany. Electrical integrating device. 1,947,411; Feb. 13.
- Geyger, Wilhelm, Dusseldorf, Germany. Rotating armature-quotient measuring instrument. 1,948,912; Feb. 27.
- Ghent, William E., and F. M. Parks, assignors to Boggs Manufacturing Corporation, Atlanta, N. Y. Machine for sorting and cleaning articles. 1,952,429; Mar. 27.
- Ghilardi, Hans, assignor to Sochte Anonyme Adolphe Saurer, Arbon, Switzerland. Embroidering machine. 1,953,801; Apr. 3.
- Ghittino, Alexander, and J. Popkin, New York, N. Y. Window construction. 1,963,989; June 26.
- Ghysen, Huibert C., assignor to N. V. The Vitrite Works, Middelburg, Netherlands. Incandescent lamp cap for Edison holders. 1,955,629; Apr. 17.
- Gianelloni, Vivian J., Central San German, Cuba. Non-refillable liquid dispenser. 1,967,358; July 24.
- Gianini, Carlo, assignor to Compagnia Nazionale Aeronautica, Rome, Italy. Planetary reduction gearing for radial aeroplane engines. 1,977,943; Oct. 23.
- Gianini, Peter C., Portland, Oreg. Brake rod cushioning device. 1,950,882; Mar. 13.
- Giannini, John, and A. De Prisco, Brooklyn, N. Y. Shoe heel. 1,964,049; June 26.
- Giant Grip Manufacturing Company. (See Altendorf, George A., assignor.)
- Giard, Eugene A., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Process and composition for coating electrodes. 1,974,608; Sept. 25.
- Giard, Eugene A., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrode for electron discharge devices. 1,981,620; Nov. 20.
- Giard, Eugene A., Shorewood, and E. A. Fritz, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electron tube. 1,943,523; Jan. 16.
- Gibb, Donald L. (See Collings, W. R., and Gibb.)
- Gibb, George, Magic City, Tex. Chair. 1,977,550; Oct. 16.
- Gibb, William H., Bay City, Mich., assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Welding machine. 1,965,312; July 3.
- Gibbin, Edward F., Lancaster, assignor to Gould Storage Battery Corp., Depew, N. Y. Storage battery. 1,969,070; Aug. 7.
- Gibbin, Floyd E. and L. A., Springville, N. Y. Brush. 1,963,360; June 19.
- Gibbin, Leslie A. (See Gibbin, Floyd E. and L. A.)
- Gibbons, Harold R. (See Brittain, R. J., and Gibbons.)
- Gibbons, Harold R., Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich. Bearing. 1,978,707; Oct. 30.
- Gibbons, Harold R., Chatham, and O. W. Young, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich. Antifriction bearing. 1,970,449; Aug. 14.
- Gibbons, James A., North Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Photography. 1,980,795; Nov. 13.
- Gibbons, John T., assignor to Joseph Bancroft & Sons Co., Rockford, Wilmington, Del. Finishing textile fabrics. 1,980,676; Nov. 13.
- Gibbons, Patrick J., Denver, Colo. Display sign or similar article. Des. 93,211; Sept. 4.
- Gibbons, Willis A., Montclair, N. J., assignor to Revere Rubber Company, Providence, R. I. Making covered elastic thread. 1,966,585; July 17.
- Gibbons, Willis A., Montclair, N. J., assignor to Revere Rubber Company, Providence, R. I. Method and apparatus for manufacture of elastic thread. 1,971,445; Aug. 28.
- Gibbons, Willis A., Montclair, N. J., E. Hazell, New York, N. Y., and A. W. Keen, Passaic, N. J., assignors to Revere Rubber Company, Providence, R. I. Method and apparatus for making elastic filaments. 1,947,080; Feb. 13.
- Gibbons, Willis A., Montclair, N. J., and E. M. McCole, Boenet, Assahan, Sumatra, Dutch East Indies, assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Polymerization of diene hydrocarbons. 1,953,169; Apr. 3.
- Gibbs, Charles, and H. A. Heine, assignors to W. A. Heine, Philadelphia, Pa. Selective electrical impulse control. 1,954,170; Apr. 10.
- Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,956,792; May 1.
- Gibbs, George E., assignor to American Reinforced Paper Company, Attleboro, Mass. Sheet winding machine. 1,942,357; Jan. 2.
- Gibbs, John C., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Two-piece screw cap. 1,942,810; Jan. 9.
- Gibbs, John C., New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Cleaning device. 1,957,638; May 8.
- Gibbs, Lloyd T. (See Riney, A. H., and Gibbs.)
- Gibbs Manufacturing Company, The. (See Kirkpatrick, Helen I., assignor.)
- Gibbs, Orma L., assignor of one-half to E. B. Berkowitz, Kansas City, Mo. Airplane propeller. 1,970,847; Aug. 21.
- Gibbs, Ralph F., Norton, Mass., assignor to The Improved Seamless Wire Company, Providence, R. I. Radiator vent valve. 1,970,448; Aug. 14.
- Gibbs, Theodore D., Denver, Colo. Protecting radio receiving sets. 1,968,198; July 31.
- Gibbs, Walter A., Chester, Pa. Frame for stretching skins. 1,954,697; Apr. 10.
- Gibbs, William J., Brooklyn, N. Y. Automatic stop for electrically driven machines. 1,949,119; Feb. 27.
- Gibney, James J., Minneapolis, Minn. Floodlight. 1,960,534; May 29.
- Gibney, Joseph W., assignor to Russell, Burdall & Ward Bolt & Nut Company, Port Chester, N. Y. Making nut blanks. 1,957,952; May 8.
- Gibson, Alfred E., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Drag line bucket. 1,979,738; Nov. 6.
- Gibson, Andrew F., Berkeley, Calif. Book ends. Des. 91,425; Jan. 30.
- Gibson, Charles H., and L. E. Downs, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y. Seam sealer for cigarette machines. 1,945,433; Jan. 30.
- Gibson, Charles J., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator ice door construction. 1,978,708; Oct. 30.
- Gibson, David D., Jr., Birmingham, Ala. Burglar alarm. 1,962,010; June 5.
- Gibson Electric Refrigerator Corporation. (See Tarleton, Frederick L., assignor.)
- Gibson, Frank C. (See Fox, F. L., and Gibson.)
- Gibson, Fred H., Westwood, N. J. Erasing shield. 1,969,603; Aug. 7.
- Gibson, George H. (See Fowler, J. B., Gibson, and Rohlin.)
- Gibson, George H., Upper Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Deaerating steam heating system. 1,969,888; Aug. 14.
- Gibson, George H., Upper Montclair, N. J., and V. A. Rohlin, assignors to Cochrane Corporation, Philadelphia, Pa. Method of and apparatus for heating and degasifying liquids. 1,943,890; Jan. 16.
- Gibson, George H., Upper Montclair, N. J., and V. A. Rohlin, assignors to Cochrane Corporation, Philadelphia, Pa. Water heating and deaeration. 1,951,015; Mar. 18.
- Gibson, George H., Upper Montclair, and F. M. Patterson, Pitman, N. J., assignors to Cochrane Corporation, Philadelphia, Pa. Steam trap. 1,981,169; Nov. 20.
- Gibson, George M., Waterloo, Iowa. Clothes drier. 1,983,750; Dec. 11.
- Gibson, George R., Brookfield, and A. Wood, assignors to The General Fireproofing Company, Youngstown, Ohio. Shelving. 1,984,473; Dec. 18.

- Gibson, Guy T., New Rochelle, assignor to Guy T. Gibson, Incorporated, New York, N. Y. Carton. Des. 91,459; Feb. 6.
- Gibson, Guy T., Incorporated. (See Gibson, Guy T., assignor.)
- Gibson, James F., Tucson, Ariz. Automatic dry concentrator. 1,945,526; Feb. 6.
- Gibson, James R., Cincinnati, Ohio. Package for the preservation and display of game sets and the like. 1,948,294; Feb. 20.
- Gibson, Jesse G., assignor of fifty-one per cent to Bovaird and Company, Bradford, Pa. Valve. 1,947,935; Feb. 20.
- Gibson, Jesse G., assignor of fifty-one per cent to Bradford Supply Company, Bradford, Pa. Crank mechanism. 1,948,814; Feb. 27.
- Gibson, Martin A., Alliance, Nebr. Tire tool. 1,974,021; Sept. 18.
- Gibson Patent Containers, Ltd. (See Page, John E., assignor.)
- Gibson Refrigerator Company. (See Brown, Curtis M., assignor.)
- Gibson Refrigerator Company. (See Gibson, Charles J., assignor.)
- Gibson Refrigerator Company. (See Smith, Russell T., assignor.)
- Gibson, Ronald, Toronto, Ontario, Canada. Reel for extension lights. 1,951,330; Mar. 13.
- Gibson, Thomas L. (See Klausmeyer, David C.)
- Gibson, William A., Succasunna, N. J. Retarding device for parachutes. 1,947,468; Feb. 20.
- Gibson, William A., assignor to Bradley Pulverizer Company, Allentown, Pa. Air separator. 1,958,816; May 15.
- Gibson, William H. (See Hale, F. J., and Gibson.)
- Gibson, William T., and A. H. Boulestreau, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Thermionic discharge device. 1,965,338; July 3.
- Gibson, William T., and A. H. Boulestreau, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Electron discharge tube. 1,976,553; Oct. 9.
- Giddens, Paul K., assignor of fifty-one per cent to N. E. Johnson, Kansas City, Mo. Radio antenna circuit. 1,977,271; Oct. 16.
- Giddens, Paul K., assignor to Pagenhart Research Corporation, Kansas City, Mo. Radio receiving system. 1,984,408; Dec. 18.
- Giddings, Fred M., Galesburg, Ill. Plant killer. 1,954,698; Apr. 10.
- Giddings & Lewis Machine Tool Co. (See Gallimore, Keith F., assignor.)
- Giddings & Lewis Machine Tool Co. (See Woytych, Raymond M., assignor.)
- Gideon, Victor, Chicago, Ill., assignor to Wilson-Jones Company. Tab applying machine. 1,947,041; Feb. 13.
- Gideon, Victor, assignor to Boyar-Schultz Corporation, Chicago, Ill. Refrigerator pump. 1,951,607; Mar. 20.
- Giebe, Erich, and A. Scheibe, Berlin, Germany. Mounting for transversal resonator. 1,953,220; Apr. 3.
- Giehne, Hellmut. (See Mueller-Cunradi, M., Pieroh, and Giehne.)
- Giemsa, Gustav, and M. Oesterlin, Hamburg, and B. Pützer, Wuppertal-Elberfeld, Germany, assignors to Winterhop Chemical Company, Inc., New York, N. Y. Quinoline-8-azo compounds of the quinine series. 1,972,988; Sept. 11.
- Gier, Philip E., Conrad, Iowa. Making toy furniture and the like. 1,950,919; Mar. 13.
- Giertsens, Oyvind N. (See Hampton, I. N., and Giertsens.)
- Gies, Jakobus R., Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation apparatus. 1,956,591; May 1.
- Giese, Charles G., Chicago, Ill., assignor, by mesne assignments, to Milprint Products Corporation, Milwaukee, Wis. Packaging. 1,961,440; June 5.
- Giesecke, Fred O., Evanston, Ill., assignor to International Patents Development Company, Wilmington, Del. Adhesive substance. 1,943,382; Jan. 16.
- Giesecke, Fred O., Evanston, Ill., assignor to International Patents Development Company, Wilmington, Del. Gelatinized starch. 1,974,915; Sept. 25.
- Giesecke, Fred O., Evanston, Ill., assignor to International Patents Development Company, Wilmington, Del. Starch product and making same. 1,979,257; Nov. 6.
- Giesel-Gieslingen, Adolf. (See Lestin, Alfred, assignor.)
- Giesen, Johann, and E. Peukert, Neuroessen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of molybdenum from substances containing molybdenum or its compounds. 1,944,420; Jan. 23.
- Giesenmann, Willy C., Cleveland, Ohio. Drawer guide. 1,946,789; Feb. 13.
- Giesey, Russell, Oklahoma City, Okla., assignor to Reed Roller Bit Company, Houston, Tex. Drill. 1,944,076; Jan. 16.
- Giesey, Russell, Oklahoma City, Okla., assignor to Reed Roller Bit Company, Houston, Tex. Drill. 1,945,937; Feb. 6.
- Giesinger, Mathilde, New York, N. Y. Clip. 1,970,450; Aug. 14.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatic radiator valve. 1,948,659; Feb. 27.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Corrugating tubes. 1,980,264; Nov. 13.
- Giesser, Joseph L., Sacramento, Calif. Pressure indicator for pneumatic tires. 1,949,712; Mar. 6.
- GieSSLer, Carl W., Brooklyn, N. Y. Tie rack. 1,975,543; Oct. 2.
- Giezen Tanner, Charles L., Monteseano, assignor to Weed Destroyer Co., Inc., Aberdeen, Wash. Weed gun. 1,960,738; May 29.
- Gifford, Harold S., Brooklands, England, assignor to Dunlop Rubber Company, Limited. Packing tin plates. 1,975,841; Oct. 9.
- Gifford, John C., Ashtabula, Ohio. Mechanism for gravity handling of bulk material. 1,974,609; Sept. 25.
- Gifford-Wood Company. (See Durbin, Stanley H., assignor.)
- Gifford-Wood Company. (See Peebles, Frank B., assignor.)
- Giger, Walter A., Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Articulated truck for individual-axle drive locomotives. 1,953,401; Apr. 3.
- Giger, Walter A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Articulated locomotive. 1,978,080; Oct. 23.
- Gigi, Angelina, Miami, assignor of one-half to H. Rich, Pahokee, Fla. Bathroom cabinet. Des. 91,320; Jan. 9.
- Gigliotti, William, North Adams, Mass. Scutcher calendaring roller heater. 1,950,668; Mar. 13.
- Gignao, Napoleon, Montreal, Quebec, Canada. Adjustable scaffold. 1,970,229; Aug. 14.
- Gihon, Harry D., 3d, assignor to Atlantic Products Corporation, Trenton, N. J. Hand bag. 1,953,895; Apr. 3.
- Gihon, Harry D., 3d, assignor to Atlantic Products Corporation, Trenton, N. J. Hand bag. 1,976,698; Oct. 9.
- Gil, Irving, Chicago, assignor to The Moore Corporation, Joliet, Ill. Heater. Des. 92,801; July 17.
- Gilardi, Henry, Sparks, Nev. Grader. 1,952,796; Mar. 27.
- Gilbert, A. C., Company, The. (See Engelhardt, Henry C., assignor.)
- Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
- Gilbert, A. C., Company, The. (See Gilbert, A. C., and Arnold, assignors.)
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Conductor cord supporting and protecting means. 1,968,884; Aug. 7.
- Gilbert, Alfred C., North Haven, and A. A. Arnold, assignors to The A. C. Gilbert Company, New Haven, Conn. Air circulating apparatus. 1,954,872; Apr. 17.
- Gilbert, Alfred C., North Haven, and A. A. Arnold, assignors to The A. C. Gilbert Company, New Haven, Conn. Electric fan. 1,975,934; Oct. 9.
- Gilbert, Alfred G., South Acton, assignor to Reece Folding Machine Company, Boston, Mass. Cam. 1,955,233; Apr. 17.
- Gilbert, Alfred J., Windsor, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Burner. 1,960,842; May 29.
- Gilbert, Alfred J., Windsor, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Valve structure. 1,960,843; May 29.
- Gilbert, Alfred J., Windsor, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Control device for liquid fuel burners. 1,960,844; May 29.
- Gilbert, Alfred J., Windsor, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 1,960,845; May 29.
- Gilbert, Archie V., Spokane, Wash., assignor to Intertype Corporation, Brooklyn, N. Y. Slug casting machine. 1,958,335; May 8.
- Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
- Gilbert & Barker Manufacturing Company. (See Shaw, B. E., and Lavallee, assignors.)
- Gilbert & Barker Manufacturing Company. (See Smith, S. G., and Morand, assignors.)
- Gilbert & Barker Manufacturing Company. (See Spear, Leolyn F., assignor.)
- Gilbert, Charles E., New York, N. Y. Automatic machine for assembling electric plugs. 1,953,476; Apr. 3.
- Gilbert, Charles E., New York, N. Y., assignor to Gilbert & Hertz, Inc. Electric safety plug. 1,956,018; Apr. 24.
- Gilbert, Charles E., New York, N. Y., assignor to Gilbert & Hertz, Inc. Electric safety plug. 1,956,019; Apr. 24.
- Gilbert, Charles E., New York, N. Y., assignor to Gilbert & Hertz, Inc. Electric contact plug. 1,956,020; Apr. 24.
- Gilbert, Charles T., Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill. Washboard. 1,979,258; Nov. 6.
- Gilbert, Charles T., et al., executors. (See Gilbert, Henry J.)
- Gilbert, Clara B. (See Bohannon, W. A., and Gilbert.)
- Gilbert, Early L., Lansdale, Pa. Adjustable standard. 1,951,754; Mar. 20.
- Gilbert, Gordon B., Syracuse, N. Y. Service tray. 1,974,213; Sept. 18.
- Gilbert, Harry E., jr., Palmyra, N. J. Locking device. 1,961,041; May 29.
- Gilbert, Harvey N., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Purifying light metals. 1,943,307; Jan. 16.
- Gilbert, Harwood J., et al., executors. (See Gilbert, Henry J.)

- Gilbert, Henry J., deceased, by C. T. and H. J. Gilbert, executors; said Gilbert assignor to Saginaw Manufacturing Co., Saginaw, Mich. Folding brace for ironing tables and the like. 1,966,715; July 17.
- Gilbert & Hertz, Inc. (See Gilbert, Charles E., assignor.)
- Gilbert, Joseph C., assignor of one-third to R. F. Gildehaus, jr., Dallas, Tex. Reservoir inkwell. 1,946,969; Feb. 13.
- Gilbert, Marcella R., et al. (See Brown, Tony A., assignor.)
- Gilbert, Meyer D., New York, N. Y. Smoke treating apparatus. 1,964,794; July 3.
- Gilbert, Neville W., Solihull, England. Electrical heating appliance of the open-grid or boiling-plate type. 1,985,161; Dec. 18.
- Gilbert, Pierre, Paris, France. Treatment of coffee for the purpose of expelling the caffeine. 1,964,814; July 3.
- Gilbert, Ralph A. (See Kenney, J. J., and Gilbert.)
- Gilbert, Ralph A., Pittsfield, Mass., assignor to General Electric Company. Welding apparatus. 1,942,055; Jan. 2.
- Gilbert, Ralph A., Pittsfield, Mass., assignor to General Electric Company. Arc welding. 1,949,251; Feb. 27.
- Gilbert, Ray, Clayton, assignor to Curlee Clothing Company, St. Louis, Mo. Belted coat. 1,941,468; Jan. 2.
- Gilbert, Roswell W., Neshaun, N. J. Potentiometric indicator. 1,972,141; Sept. 4.
- Gilbert, William N., Hudson Heights, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale bearing. 1,969,363; Aug. 7.
- Gilbert, William N., Hudson Heights, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Attachment for scale platforms. 1,969,365; Aug. 7.
- Gilbert, William N., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Pivot block. 1,969,364; Aug. 7.
- Gilbertson, Ernest. (See Clark, E. W., and Gilbertson.)
- Gilbreath, Joseph F., Louisville, Ky. Roasting coffee. 1,946,398; Feb. 6.
- Gilchrist, Clyde R., Wilkinsburg, Pa. System of motor control. 1,959,052; May 15.
- Gilchrist, Archibald R., Los Angeles, Calif. Lip shield. 1,949,013; Feb. 27.
- Gilchrist Company, The. (See Cox, John W., assignor.)
- Gilchrist Company, The. (See Jameson, Thomas, assignor.)
- Gilchrist, Emily F., executrix. (See Gilchrist, William A.)
- Gilchrist, Frank H., Bronxville, N. Y., assignor to The Patent and Licensing Corporation, Boston, Mass. Building material. 1,958,571; May 15.
- Gilchrist, Frank H., Bronxville, N. Y., assignor to The Patent and Licensing Corporation, Boston, Mass. Making building material. 1,958,572; May 15.
- Gilchrist, William A., deceased, by E. F. Gilchrist, executrix Chicago, Ill. Settler. 1,960,904; May 29.
- Gilchrist, William L., assignor to Rowe Vending Machine Corp., Ltd., Los Angeles, Calif. Scavenger for coin controlled mechanism. 1,947,767; Feb. 20.
- Gilchrist, William L., assignor to Rowe Vending Machine Corp., Ltd., Los Angeles, Calif. Coin controlled vending machine. 1,970,006; Aug. 14.
- Gilchrist, William L., Los Angeles, Calif., and W. T. Hoofnagle, Glen Ridge, N. J., assignors to Rowe Slug Ejector Co., Ltd., Los Angeles, Calif. Multiple coin actuated vending machine. 1,948,107; Feb. 20.
- Gilchrist, William L., Los Angeles, Calif., and W. T. Hoofnagle, Glen Ridge, N. J., assignors to Rowe Slug Ejector Co., Ltd., Los Angeles, Calif. Multiple coin separator. 1,970,005; Aug. 14.
- Gildhaus, R. J., jr. (See Gilbert, Joseph C., assignor.)
- Giles, Bynum H., Dallas, Tex. Ice scoring machine. 1,958,425; May 15.
- Giles, Eugene M., Western Springs, Ill., assignor to St. Joseph Iron Works, St. Joseph, Mich. Apparatus for making baskets and similar receptacles. 1,977,825; Oct. 23.
- Giles, Harvey, Brooklyn, assignor to Collier Advertising Service, Inc., New York, N. Y. Vending machine. 1,978,899; Oct. 30.
- Giles, Roy N., Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill. Dewaxing mineral oils. 1,943,236; Jan. 9.
- Giles, Roy N., Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill. Dewaxing system. 1,977,054; Oct. 16.
- Giles, William R. (See Pasternack, R., and Giles.)
- Gilfof, John J., Denver, Colo. Nozzle attachment for air hoses. 1,948,852; Feb. 27.
- Gilkerson, James F., Milwaukee, Wis. Cushion shoe. 1,968,290; July 31.
- Gilkerson, James F., Milwaukee, Wis. Shoe. 1,968,291; July 31.
- Gilkes, Gilbert, and Gordon Limited. (See Crewdson, Eric, assignor.)
- Gilkeson, Adlai H., Mount Clemens, Mich., and J. H. Herr, Dayton, Ohio. Electrically heated goggles. 1,963,990; June 26.
- Gilkey, William K., assignor to Frigidaire Corporation, Dayton, Ohio. Removal of tobacco smoke from air. 1,961,878; June 5.
- Gill, Carl O., et al. (See Potter, Harold R., assignor.)
- Gill, Claude, Virginia, Minn. Power shovel dipper. 1,972,652; Sept. 4.
- Gill, Donald W., M. P. Orr, and F. F. Taylor, deceased, by The Frank F. Taylor Company, Norwood, Ohio, assignee. Child's vehicle. Re19,139; Apr. 17.
- Gill, Eldridge B., Oklahoma City, Okla., assignor to Bess L. Reed, Wichita, Kans. Rotary drill bit. 1,972,068; Aug. 28.
- Gill, Ernest W. B., Oxford, England, assignor to Radio Corporation of America. Short wave oscillation generator. 1,983,848; Dec. 11.
- Gill Glass & Fixture Company. (See Orth, Richard, assignor.)
- Gill Glass & Fixture Company. (See Register, Ramsay G., assignor.)
- Gill, Harvey C., assignor to William Beardmore & Company Limited, Glasgow, Scotland. Fuel injection apparatus for internal combustion engines. 1,973,146; Sept. 11.
- Gill, John W., assignor of one-half to R. G. Dreher, Medina, Ohio. Well swabbing device. 1,961,513; June 5.
- Gill, Louis M., Brooklyn, assignor to Darco Sales Corporation, New York, N. Y. Filtering device. 1,941,982; Jan. 2.
- Gill, Lowell O. (See French, A. H., and Gill.)
- Gill, Sidney. (See Addy, R., Gill, and Tozer.)
- Gill, Sydney C., and S. Dallaway, London, England. Display device. 1,955,674; Apr. 17.
- Gill, Sydney C., and S. Dallaway, London, England. Display device. 1,968,759; July 31.
- Gillberg, Gustaf S., Los Angeles, Calif. Anatomical adjusting machine. 1,974,774; Sept. 25.
- Gille, Willis H. (See Bower, G. D., and Gille.)
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Relay control system. 1,968,385; July 31.
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Proportioning high limit control. 1,973,620; Sept. 11.
- Gillelan, Charles. (See Loprich, J., and Gillelan.)
- Gillelan, Charles, assignor to J. Loprich, Los Angeles, Calif. Radiator. 1,950,488; Mar. 13.
- Gilleland, Grover W., Parsons, Kans. Form apparatus for producing concrete slabs. 1,981,036; Nov. 20.
- Gillen, George A., assignor to Oakes Products Corporation, North Chicago, Ill. Automatic starting system and mechanism. 1,959,861; May 22.
- Gillen, George A., Bronx, assignor to Equipment & Supply Co. Inc., New York, N. Y. Door construction. 1,970,905; Aug. 21.
- Gillern, Maurice. (See Reinecke, F., Phillips, and Gillern.)
- Gilles, Gustave. (See Pizsa, Toby, assignor.)
- Gilles, Richard L., Fargo, N. Dak. Portable water softener. 1,985,162; Dec. 18.
- Gillespie, Henderson C., East Orange, N. J., assignor to Communication Patents, Inc., New York, N. Y. Television synchronizing and monitoring system. 1,985,723; Dec. 25.
- Gillespie, Jayson E., Lincoln, Nebr. Wheel. 1,972,770; Sept. 4.
- Gillespie, Owen J. (See Skindel, A., and Gillespie.)
- Gillespie, William H., Oakland, Calif. Glove. 1,984,183; Dec. 11.
- Gillet, Alexis F., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Audible signal. 1,964,284; June 26.
- Gillet, Alexis F., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Electrically operated strip server. 1,981,229; Nov. 20.
- Gillet, Harry, Cleveland, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Asbestos article and forming the same. 1,956,793; May 1.
- Gillet, Harry, Gates Mill, Ohio, and W. Gillett, Pittsburgh, Pa., assignors to Detroit Steel Products Company, Detroit, Mich. Roof construction. 1,975,842; Oct. 9.
- Gillet, Horace W. (See Lorig, C. H., Gillett, and Kinnear.)
- Gillet, William. (See Gillett, Harry and W.)
- Gillette, Clyde E., New York, assignor to United Research Corporation, Long Island City, N. Y. Photographic process. 1,982,210; Nov. 27.
- Gillette, Clyde E., New York, assignor to United Research Corporation, Long Island City, N. Y. Composite photographic process. 1,982,211; Nov. 27.
- Gillette, Edmond S., Santa Monica, assignor to Albatross Steel Furniture Company, Ltd., West Los Angeles, Calif. Refrigerator. 1,956,863; May 1.
- Gillette, Herbert B., assignor to Gillette Rubber Company, Eau Claire, Wis. Antiskid device. 1,980,265; Nov. 13.
- Gillette, Robert T., and L. R. Leveen, Scotia, N. Y., assignors to General Electric Company. Welding machine. 1,941,863; Jan. 23.
- Gillette Rubber Company. (See Gillette, Herbert B., assignor.)
- Gillette Safety Razor Company. (See Chadwick, Everett D., assignor.)
- Gillette Safety Razor Company. (See Holtzman, John, assignor.)
- Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
- Gillette Safety Razor Company. (See Stargardt, Albert R., assignor.)
- Gillette Safety Razor Company. (See Stoney, Harry, assignor.)
- Gillette, Walter H., Louisville, Ky. Folding chair. 1,948,216; Feb. 20.

- Gilli, Paul, Vienna, Austria. Heating apparatus for indirectly heating high temperature drying plants and the like. 1,968,486; July 31.
- Gilliam, Thomas B., Canton, Ohio. Refrigerator and means for circulating air therein. 1,957,772; May 8.
- Gillian, Herman A., Columbus, Ohio. Glove manufacture. 1,944,505; Jan. 23.
- Gillies, William R., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Insulating material. 1,942,546; Jan. 9.
- Gilligan, Edward J., South Hadley Falls, Mass. Filling stop motion for looms. 1,963,266; June 19.
- Gilligan, George H., Providence, R. I., assignor to U. S. Ring Traveler Company. Ring holder and ring for travelers. 1,957,041; May 1.
- Gilligan, George H., Providence, R. I., assignor to U. S. Ring Traveler Company. Ring traveler and support therefor. 1,962,239; June 12.
- Gilligan, James P., and G. W. Edwards, Toledo, Ohio. Automatic train controlling apparatus. 1,971,259; Aug. 21.
- Gilling, Preston E., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,973,342; Sept. 11.
- Gillinger Brothers, Inc. (See Bradbury, Edward L., assignor.)
- Gillis, George H., Fitchburg, Mass. Heel seat cushioning attachment and applying the same. 1,966,293; July 10.
- Gillmor, Reginald E., Forest Hills, N. Y., and B. A. Wittkubns, Chatham, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro vertical. 1,984,874; Dec. 18.
- Gillon, Elam R. (See White, R. H., jr., and Gillon.)
- Gillooly, William. (See Mess, F. J., Eggleston, and Centko, assignors.)
- Gilman, Charles, Plainfield, N. J., assignor to Massey Concrete Products Corporation, Chicago, Ill. Apparatus and method for installing pipe. 1,948,707; Feb. 27.
- Gilman, David. (See Bronheim, Henry, assignor.)
- Gilman Fanfold Corporation. (See Ritzhaupt, Roy H., assignor.)
- Gilman, George H., Belmont, Mass., assignor to Worthington Pump and Machinery Corporation. Drilling machine. 1,982,656; Dec. 4.
- Gilman, George S., et al. (See Potter, Harold B., assignor.)
- Gilman, Henry S., Springfield, Mass. Safety razor. 1,969,604; Aug. 7.
- Gilman, Howard J., and T. E. Mueller, Oak Park, Ill., assignors of one-third to H. A. Norris, Philadelphia, Pa. Display lamp. Des. 94,025; Dec. 11.
- Gilman, Louis, Chelsea, Mass. Electrical control apparatus. 1,962,864; June 12.
- Gilman, Lyle A., Sedan, Kans. Traffic control device. 1,960,376; May 29.
- Gilman, Richard H., sr. (See Havenner, V., and Phillips, assignors.)
- Gilmer, Ernest E., Portland, Oreg. Processing shingle shake. 1,943,597; Jan. 16.
- Gilmer, George W. (See Gilmer, Ludwell H. and G. W.)
- Gilmer, Ludwell H., Philadelphia, Pa., and G. W. Gilmer, Detroit, Mich. Power transmission belt. 1,976,015; Oct. 9.
- Gillmor, Reginald E., New York, N. Y. Gyroscopic compass. 1,972,882; Sept. 11.
- Gillmor, Reginald E., New York, N. Y. Ball gyroscopic compass. 1,978,425; Oct. 30.
- Gilmore, Charles B., Chicago, Ill. Control mechanism. 1,985,319; Dec. 25.
- Gilmore, John L., Kansas City, Mo. Second spare wheel carrier. 1,977,722; Oct. 23.
- Gilmore, Otto C., assignor, by mesne assignments, to Cinemacolor Corporation, Chicago, Ill. Projector for color motion pictures. 1,953,958; Apr. 10.
- Gilmore, Otto C., assignor, by mesne assignments, to Cinemacolor Corporation, Chicago, Ill. Apparatus for making color motion pictures and cameras therefor. 1,978,789; Oct. 30.
- Gilmore, Otto C., Los Angeles, Calif., assignor to Cinemacolor Corporation, Chicago, Ill. Image turning attachment for cameras. 1,958,617; May 15.
- Gilmore, Otto C., Los Angeles, Calif., assignor to Cinemacolor Corporation, Chicago, Ill. Mounting for color filters. 1,958,618; May 15.
- Gilmore, Otto C., Los Angeles, Calif., assignor to Cinemacolor Corporation, Chicago, Ill. Projection attachment. 1,962,501; June 12.
- Gilmore, Otto C., Los Angeles, Calif., assignor, by mesne assignments, to Cinemacolor Corporation, Chicago, Ill. Apparatus for coloring films. 1,964,257; June 26.
- Gilmore, Vincent J., Wappingers Falls, assignor to The De Laval Separator Company, New York, N. Y. Guide bearing for spindles of centrifuges. 1,980,580; Nov. 13.
- Gilmore, William, Meridian, Miss. Tamping apparatus. 1,946,019; Feb. 6.
- Gilmour, Robert, Pawtucket, R. I. Transmission of electrical impulses by radio. 1,977,125; Oct. 16.
- Gilot, Emile A., assignor to Société S. E. P., Paris, France. Foldable container for disinfectant odorants and the like substances. 1,960,149; May 22.
- Gilowitz, Benjamin, Bronx, assignor of one-fourth to Morris Bousel, New York, N. Y. Reinforced heel lift and attaching means therefor. 1,946,737; Feb. 13.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car. 1,944,421; Jan. 23.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car coupler positioning device. 1,944,422; Jan. 23.
- Gilpin, Garth G., Riverside, assignor to Railway Metal Products Company, Chicago, Ill. Railway car door fixture. 1,958,749; May 15.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Buffer mechanism for diaphragm face plates. 1,963,361; June 19.
- Gilpin, Garth G., Riverside, assignor to Railway Metal Products Company, Chicago, Ill. Railway car door fixture. 1,967,819; July 24.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car. 1,971,179; Aug. 21.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Buffer mechanism for railway passenger cars. 1,980,677; Nov. 13.
- Gilpin, Garth G., Riverside, and A. E. Small, Chicago, assignors, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway car. 1,950,001; Mar. 6.
- Gilpin, Victor L., Baltimore, Md. Ignition circuit and other lock. 1,945,527; Feb. 6.
- Gilpin, Victor L., Baltimore, Md. Automobile and other lock. 1,948,913; Feb. 27.
- Gilson, Emery G., Colonie, N. Y., assignor to General Electric Company. Razor blade sharpening machine. 1,979,970; Nov. 6.
- Gilstad, Arthur, St. Paul, Minn. Conveyor chain. 1,965,285; July 3.
- Gilstrap, Frank M., Los Angeles, and F. W. Baurmann, Burbank, Calif. Casing cutter and spear. 1,960,337; May 29.
- Gilstrap, Martin L., and J. E. Delk, Atlanta, Ga. Tool. 1,962,814; June 12.
- Gimmi, Ernst. (See Dossenbach, August, assignor.)
- Ginder, Philip M., and G. F. Halfacre, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc dust canister. 1,962,440; June 12.
- Ginder, Philip M., G. T. Mahler, and H. M. Cyr, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Purifying zinc metal. 1,980,480; Nov. 13.
- Ginder, Philip M., and E. C. Handwerk, Palmerton, Pa., assignors to The New Jersey Zinc Company. Reduction of zinciferous materials. 1,983,025; Dec. 4.
- Ginder, William H., Haddonfield, N. J., assignor of fifty-one per cent to L. C. Shalkop, Philadelphia, Pa. Indicating fuse plug. 1,944,145; Jan. 16.
- Ginder, William H., Haddonfield, N. J., assignor to J. S. Westney, Philadelphia, and H. L. Randal, Chestnut Hill, Pa., trustees. Electric vaporizer. 1,977,232; Oct. 16.
- Gindice, Minotti, et al. (See Hank, Luther V., assignor.)
- Gindre, Eugène, assignor to Société Anonyme le Carbone, Gennevilliers, France. Electric resistance. 1,950,606; Mar. 13.
- Gingras, Francois X., Montreal, Quebec, Canada. Adjustable table for hospital beds. 1,957,165; May 1.
- Gingrich, Oliver N., Sioux City, Iowa. Feeder. 1,959,099; May 15.
- Ginn and Company. (See Buckwell, Arthur W., assignor.)
- Ginn, Earl. (See Engstrom, W. A., and Ginn.)
- Ginn, George E., Des Moines, Iowa. Sheet material. 1,962,190; June 12.
- Ginsberg, Charles W. (See Lamatsch, F., and Ginsberg.)
- Ginsberg, Charles W., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Irving Trust Company, receiver. Inking mechanism. 1,962,011; June 5.
- Ginsberg, Charles W., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver in equity. Inking mechanism. 1,974,987; Sept. 25.
- Ginsberg, Ida, et al. (See Chiera, Albert, assignor.)
- Ginsberg, Jacob, Los Angeles, Calif. Dice throwing apparatus. 1,968,885; Aug. 7.
- Ginsberg, Jacob L. (See Cocks, G. W., and Ginsberg.)
- Ginsberg, Samuel L., Jamaica Plain, Mass. Machine for packaging mattresses and the like. 1,985,163; Dec. 18.
- Ginsberg, Solomon, Nashville, Tenn. Manufacturing and reclaiming tires. 1,965,073; July 3.
- Ginsburg, Fred, Chicago, Ill. Automobile body door. Des. 91,619; Feb. 27.
- Giordano, Joseph, Philadelphia, Pa. Correspondence service book. Des. 93,613; Oct. 16.
- Gipe, John C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coupler for glass supporting tables. 1,960,581; May 29.
- Gipe, John C., J. P. Crowley, and J. L. Drake, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing machine. 1,961,441; June 5.
- Gipford, Harry A., East Ellsworth, Wis. Grader attachment. 1,956,385; Apr. 24.
- Girard, Alexandre, Bellevue-Seine, France. Sewage purification. 1,975,638; Oct. 2.
- Girard, Emile P., et al. (See Calkins, Leslie B., assignor.)
- Girard Model Works Inc., The. (See Kelch, Wilbur W., assignor.)
- Girard Model Works Inc., The. (See Kelch, W. W., Ople, and Ziesenheim, assignors.)
- Girard Model Works Inc., The. (See Smith, Anthony N., assignor.)
- Girardet, Francois, Grenoble, France, assignor to Du Pont Rayon Company, New York, N. Y. Winding artificial thread. 1,976,220; Oct. 9.

- Girardin, Marcel, Neuchatel, Switzerland. Framing for beehives. 1,962,066; June 5.
- Girdler Corporation, The. (See Bottoms, Robert R., assignor.)
- Girl, Christian, Madison, and F. M. Case, Cleveland Heights, Ohio; said Case assignor to said Girl. Parking device for vehicles. 1,951,145; Mar. 13.
- Girling, Albert H. G., Harlow, England. Braking mechanism. 1,945,891; Feb. 6.
- Girmes, Johs., & Co. (See Romane, Georges, assignor.)
- Girvin, Charles W., assignor to General Salt Company, Long Beach, Calif. Recovery of iodine. 1,944,423; Jan. 23.
- Gish, Chase E., Denver, Colo. Bowl separator. 1,947,844; Feb. 20.
- Gish, Daniel B., Springfield, Mass. 1,973,756; Sept. 18.
- Gish, Daniel B., Springfield, Mass. Hose coupling and securing the same to a hose. 1,985,494; Dec. 25.
- Gisholt Machine Company. (See Drissner, A. E., Hoagland, Lange, Ludberg, assignor, and Lovely.)
- Gisiger, Florence. (See Gisiger, Hans, assignor.)
- Gisiger, Hans, Brooklyn, N. Y., assignor to F. Gisiger, Waltham, Mass. Watch stem and crown setting. 1,948,171; Feb. 20.
- Gisser, Isidore I., New York, N. Y. Dispensing machine. 1,942,166; Jan. 2.
- Gisske, Walter P., Chicago, Ill. Connector. 1,984,016; Dec. 11.
- Gits, Remi J., Riverside, Ill. Lubricating device. 1,967,614; July 24.
- Gittings, Lewis D., Anniston, Ala., assignor to Swann Research, Incorporated. Oleoresinous coating composition. 1,974,799; Sept. 25.
- Gittings, William L., assignor to Gold Medal Folding Furniture Company, Racine, Wis. Sun bath cabinet. 1,964,463; June 26.
- Gitzen, Walter H., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Treatment of aluminum hydrate. 1,950,883; Mar. 13.
- Gitzen, Walter H., East St. Louis, Ill., assignor to Aluminum Company of America. Preparation of insulation. 1,972,188; Sept. 4.
- Gitzhoven, Arsène, assignor to Gitzo Societe Anonyme, Paris, France. Shutter for photographic apparatus. 1,953,556; Apr. 3.
- Gitzo Societe Anonyme. (See Gitzhoven, Arsène.)
- Givaudan-Delawanna, Inc. (See Carpenter, Marion S., assignor.)
- Giveen, George S., Sioux City, Iowa. Egg breaking and separating machine. 1,985,320; Dec. 25.
- Givélet, Joseph A. (See Coupleux, F. E., and Givélet.)
- Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filter for suppression of high frequency current. 1,984,526; Dec. 18.
- Given, Ralph D. (See Jefferson, H. F., and Given.)
- Givens, Albert W., Marlborough, N. Y. Outlet box and clamp therefor. 1,974,268; Sept. 18.
- Givens, Frank M., assignor of one-half to R. E. Garrett, Nashville, Tenn. Ventilating mechanism. 1,956,123; Apr. 24.
- Gjerde, Melford D., Homewood, assignor to Standard Oil Company, Chicago, Ill. Lubricating device. 1,962,090; June 5.
- Gjertsen, Gustav H., St. Paul, Minn., assignor to Flannery Bolt Company, Pittsburgh, Pa. Staybolt cap removing tool. 1,941,551; Jan. 2.
- Gjeruldsen, Emma M., Brooklyn, N. Y. Hair curling and hair waving device. 1,959,420; May 22.
- Glab, William N., assignor to Morrison Bros., Dubuque, Iowa. Concentrated valve control. 1,945,684; Feb. 6.
- Glab, William N., assignor to Morrison Bros., Dubuque, Iowa. By-pass line valve. 1,952,430; Mar. 27.
- Glab, William N., assignor to Morrison Bros., Dubuque, Iowa. Pressure relief valve. 1,961,758; June 5.
- Glab, William N., assignor to Morrison Bros., Dubuque, Iowa. Valve. 1,981,230; Nov. 20.
- Glade, Edwin R. (See Webb, F., and Glade.)
- Gladfelder, Wiltie I., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Bottle feeding mechanism. 1,957,534; May 8.
- Gladish, John M., Chattanooga, Tenn. Curtain stretcher. 1,967,615; July 24.
- Gladman, Gordon G., St. Paul, Minn. Metal curb. 1,978,491; Oct. 30.
- Gladstone Case Mfg. Co., The. (See Plotkin, Joseph H., assignor.)
- Glaenger, Harry, and T. E. Herrick, jr., Philadelphia, Pa. End frame for locomotives. 1,955,675; Apr. 17.
- Glaeser, Ado, Woodhaven, N. Y. Punching paper. 1,968,446; July 31.
- Glahn, William H., Arlington, and J. Ehrlich, Belleville, assignors to Verona Chemical Company, North Newark, N. J. Purification of 2-phenylquinoline-4-carboxylic acid and its salts. 1,945,270; Jan. 30.
- Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,942,400; Jan. 9.
- Glascok Brothers Manufacturing Company. (See Frick, Chester A., assignor.)
- Glascoodine, Richard T., London, England. Central buffing and draft gear. 1,947,936; Feb. 20.
- Glaser, August, Berlin-Frohnau, and W. Köch, Berlin-Hermesdorf, Germany, assignors to General Electric Company. Arc discharge apparatus. 1,985,087; Dec. 18.
- Glaser Crandell Company. (See McDonough, Frank J., assignor.)
- Glaser, Rudolph A., Cleveland, Ohio, assignor, by mesne assignments, to Gardner Abbott, trustee. Projection apparatus for making photomechanical printing plates. 1,954,753; Apr. 10.
- Glasfabrik Sophienhütte Richard Bock G. m. b. H. (See Batschük, M., and Hodecker, assignors.)
- Glasgow, Robert E. L., Richmond, Va. Sharpening machine. 1,967,118; July 17.
- Glashuttenwerke vorm. J. Schreiber & Neffen. (See Kreidl, Norbert, assignor.)
- Glazier, Harold H., Los Angeles, Calif. Ground turner. 1,973,809; Sept. 11.
- Glazier, Harold H., Los Angeles, Calif. Lever digger. 1,973,810; Sept. 11.
- Glazier, Harold H., Los Angeles, Calif. Lever plow. 1,978,492; Oct. 30.
- Glasner, Rudolph W. (See Rode, F. J., and Glasner.)
- Glasner, Rudolph W., Chicago, Ill. Metal working press. 1,977,549; Oct. 16.
- Glasner, Rudolph W., and F. J. Rode, assignors, to Marquette Tool & Mfg. Company, Chicago, Ill. Machine for manufacturing bushings. 1,974,214; Sept. 18.
- Glass, Charles E., Fort Dodge, Iowa. Burial vault. 1,984,638; Dec. 18.
- Glass, George W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Folding box. 1,953,896; Apr. 3.
- Glass, Matthew, Philadelphia, Pa. Clothespole socket. 1,965,639; July 10.
- Glass, Myron S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 1,980,196; Nov. 13.
- Glass, Perley R., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Case-making machine. 1,950,550; Mar. 13.
- Glass, Perley R., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for making covers of cases of books. 1,958,537; May 15.
- Glass, Perley R., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,977,908; Oct. 23.
- Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 1,959,579; May 22.
- Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Die clamping device. 1,968,886; Aug. 7.
- Glassine Paper Company. (See Nelson, Robert F., assignor.)
- Glasson, John, Johnstown, Pa. Bore cutting apparatus. 1,982,425; Nov. 27.
- Glasson, John M., Johnstown, Pa. Stripping mechanism. 1,964,910; July 3.
- Glatthar, George E., University Heights, and F. Wening, South Euclid, Ohio. Lighting fixture. Des. 92,597; June 26.
- Glatthar, George E., University Heights, and F. Wening, South Euclid, Ohio. Lighting fixture. 1,941,469; Jan. 2.
- Glatthar, George E., University Heights, and F. Wening, South Euclid, Ohio. Lighting fixture. 1,941,470; Jan. 2.
- Glau, Julius R., San Antonio, Tex. Fishing hook. 1,974,358; Sept. 18.
- Glauber, August and E. F., Lafayette, Calif. Scraper for automobile running boards. 1,946,578; Feb. 13.
- Glauber, Emil F. (See Glauber, August and E. F.)
- Glauser, John J., Pittsburgh, Pa. Apparatus for the continuous manufacture of ice cream and other frozen food products. 1,957,707; May 8.
- Glazner, Isaac W., Brooklyn, N. Y. Core. 1,975,038; Sept. 25.
- Glazo Company, Inc., The. (See Marshburn, Preston W., assignor.)
- Gleaner Harvester Corporation. (See Pierson, Torvald N., assignor.)
- Gleason, Frederick H. (See Doman, A. E., Bowen, and Gleason.)
- Gleason, Frederick H., Auburn, N. Y. Lubricating system. 1,943,014; Jan. 9.
- Gleason, Frederick H., assignor to Bowen Products Corporation, Auburn, N. Y. Lubricating apparatus. 1,981,802; Nov. 20.
- Gleason, George A. (See Brown, W. G., and Gleason.)
- Gleason, George A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Reel. 1,984,738; Dec. 18.
- Gleason, George H., Montclair, N. J., and A. C. Loonam, Brooklyn, assignors to Guggenheim Brothers, New York, N. Y. Treating sewage. 1,956,420; Apr. 24.
- Gleason, George H., Montclair, N. J., and A. C. Loonam, Brooklyn, assignors to Guggenheim Brothers, New York, N. Y. Recovery of elemental sulphur. 1,972,883; Sept. 11.
- Gleason, George H., Montclair, N. J., and A. C. Loonam, Brooklyn, assignors to Guggenheim Brothers, New York, N. Y. Recovery of sulphur. 1,972,884; Sept. 11.
- Gleason, George H., Montclair, N. J., and A. C. Loonam, Brooklyn, assignors to Guggenheim Brothers, New York, N. Y. Treating gases containing sulphur vapor. 1,972,885; Sept. 11.
- Gleason, James, Green Bay, Wis. Fluid heated roll. 1,950,669; Mar. 13.

- Gleason, James, Green Bay, Wis. Bake oven. 1,950,670; Mar. 13.
- Gleason, James E., and E. W. Bullock, assignors to Gleason Works, Rochester, N. Y. Method of and machine for producing gears. 1,982,050; Nov. 27.
- Gleason, James E., and S. H. Earl, assignors to Gleason Works, Rochester, N. Y. Cutter truing fixture. 1,949,014; Feb. 27.
- Gleason, Joseph W. (See Murphy, James F., assignor.)
- Gleason-Tiebout Glass Company. (See Barnes, Stanley H., assignor.)
- Gleason Works. (See Condon, Robert S., assignor.)
- Gleason Works. (See Condon, R. S., and Schauseil, assignors.)
- Gleason Works. (See Earl, Schuyler H., assignor.)
- Gleason Works, The. (See Gleason, J. E., and Bullock, assignors.)
- Gleason Works. (See Gleason, J. E., and Earl, assignors.)
- Gleason Works. (See Gstyr, Joseph, assignor.)
- Gleason Works. (See Head, Ernest C., assignor.)
- Gleason Works. (See Hill, Maxwell H., assignor.)
- Gleason Works. (See Hill, M. H., and Johanson.)
- Gleason Works. (See Johanson, Magnus H., assignor.)
- Gleason Works. (See Trbojovich, Nikola, assignor.)
- Gleason Works. (See Wildhaber, Ernest, assignor.)
- Gledhill, William E., Santa Barbara, Calif. Method of and compound for coating tennis racket strings. 1,956,441; Apr. 24.
- Gleeson, George A., Chicago, Ill. Rouge applicator. 1,953,296; Apr. 3.
- Gleeson, Harry L. (See Vissat, Anthony L., assignor.)
- Gleeson, William H., San Francisco, Calif. High pressure reducing valve. 1,944,424; Jan. 23.
- Gleichman, Morris M., deceased, New York, N. Y.; T. R. Gleichman, administratrix. Garage floor construction. 1,969,002; Aug. 7.
- Gleichman, T. R., administratrix. (See Gleichman, Morris M.)
- Gleichmann, Hans, Flakenhain, near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Arrangement of heating surfaces of the tubular type adapted for use in a steam generator. 1,960,005; May 22.
- Glen, Thomas, Jr., Coogee, Australia. Adjustable holder for pot lids. 1,960,052; May 22.
- Glenn, Ervyl M. (See Fahnoe, H. F. H., Glenn, and Knowles.)
- Glenn, Everett E., Philadelphia, Pa. Cooling system. 1,963,786; June 19.
- Glenn, Frances W. M. (See Glenn, Frank F., assignor.)
- Glenn, Frank F., assignor to F. W. M. Glenn, Washington, D. C. Hot water supply system. 1,969,460; Aug. 7.
- Glenn, James C., assignor, by mesne assignments, to Hardwick Stove Company, Cleveland, Tenn. Stove. 1,978,747; Oct. 30.
- Glenn, Roy W., Linton, Ind. Ball cock or valve. 1,969,645; Aug. 7.
- Glenn, Russell P., Abilene, Tex. Rotary steam engine. 1,980,858; Nov. 13.
- Glenn, Russell P., Abilene, Tex. Boiler. 1,984,262; Dec. 11.
- Glennan, William S., Norfolk, Va. Massage device. 1,947,042; Feb. 13.
- Glenny, Earl W. (See Pizzini, F., and Glenny.)
- Glenshaw Glass Company. (See Meyer, Albert C., assignor.)
- Glenwood Range Company. (See Wilde, Samuel A., assignor.)
- Glenwood Range Company. (See Wiley, Clarence F., assignor.)
- Glenzer, John C., Detroit, Mich. Tool driver. Re19,312; Sept. 11.
- Glezen, Lee L., Millburn, and S. P. Shackleton, Wyoming, N. J., assignors to American Telephone and Telegraph Company. Fuse and mounting therefor. 1,947,588; Feb. 20.
- Glick, Louis, New York, N. Y. Button. Des. 92,171; May 8.
- Glick, Max., et al. (See Hampton, Fred, assignor.)
- Glidden, Alfred A., assignor to Hood Rubber Company, Inc., Watertown, Mass. Forming rubber parts and applying them to backing material. 1,978,044; Oct. 23.
- Glidden, Alfred A., Watertown, and V. H. Bodle, Newton, assignors to Hood Rubber Company, Inc., Watertown, Mass. Compound ventilated fabric and making the same. 1,949,159; Feb. 27.
- Glidden, Alfred A., and T. M. Knowland, assignors to Hood Rubber Company, Inc., Watertown, Mass. Apparatus for the manufacture of rubber tubes. 1,969,071; Aug. 7.
- Glidden Company, The. (See Cone, C. N., and Brown, assignors.)
- Glidden Company, The. (See Moore, C. G., and Zucker, assignors.)
- Glidden, Walter, Waterford, Ohio. Scythe. 1,968,340; July 31.
- Glidden, Raymond B., assignor to Kewanee Safe Company. Kewanee, Ill. Sectional key. 1,979,798; Nov. 6.
- Gliddon, Gordon H. (See Ames, A., Jr., and Gliddon.)
- Glietenberg, Eugen. (See Rimele, E., and Glietenberg.)
- Glines, Frederick S., Lynn, Mass. Skiving machine. 1,959,202; May 15.
- Glish, John P. (See Hellum, H. E., and Glish.)
- Globar Corporation. (See Heyroth, Albert H.)
- Global Corporation, The. (See Heyroth, A. H., and Bratton, assignors.)
- Globe American Corporation. (See Chester, A. P., and Hill, assignors.)
- Globe American Corporation. (See Hill, Dewey H., assignor.)
- Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
- Globe Binocular Corporation. (See Boydston, Verne C., assignor.)
- Globe Machine & Stamping Company, The. (See Green, Lee B., assignor.)
- Globe Machinery & Supply Company. (See Bristol, Cyrus J., assignor.)
- Globe Machinery & Supply Company. (See Trapp, Charles L., assignor.)
- Globe Oil Tools Company. (See Cole, Norman W., assignor.)
- Globe Oil Tools Company. (See Howard, John H., assignor.)
- Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.)
- Globe Oil Tools Co. (See Ragsdale, John B., assignor.)
- Globe Oil Tools Company. (See Wright, Jesse C., assignor.)
- Globe Slicing Machine Co. Inc. (See Freudenberg, Gotthard, assignor.)
- Globe Steel Tubes Company. (See Wrage, Emil, assignor.)
- Globe Ticket Company. (See Feddern, Carl O., assignor.)
- Globe-Union Mfg. Co. (See Allen, Wyeth, assignor.)
- Globe Union Mfg. Co. (See Appel, G. C., Vicarey, and Wanvig, Jr., assignors.)
- Globe-Union Mfg. Co. (See Graves, John, assignor.)
- Globe-Union Mfg. Co. (See Hammond, Ralph P., assignor.)
- Globe Union Mfg. Co. (See King, Carl H., assignor.)
- Globe-Wernicke Company, The. (See Schmitz, Fred A., assignor.)
- Globe-Wernicke Company, The. (See Smiley, Samuel, Jr., assignor.)
- Glock, Alex, Gardnerville, Nev. Clutch control for mangles. 1,947,156; Feb. 13.
- Glock, Carl A., assignor to Pacific Signal Company, Lynwood, Calif. Signal casing. Des. 92,844; July 24.
- Glock, Carl A., assignor to Acme Traffic Signal Company, Los Angeles, Calif. Timer for traffic systems. 1,952,371; Mar. 27.
- Gloekler, John E., Pittsburgh, Pa. Refrigerating cabinet. 1,954,475; Apr. 10.
- Gloekler, John E., Pittsburgh, Pa. Gas burner. 1,954,476; Apr. 10.
- Gloekler, John E., Pittsburgh, Pa. Range. 1,963,699; June 19.
- Glomb, John C., Bradford Woods, Pa. Device for drawing liquids. 1,956,919; May 1.
- Gloor, George A., Dearborn, Mich. Quick acting vise. 1,966,064; July 10.
- Gloor, George A., Dearborn, and M. Banke, Detroit, Mich. Cooling device. 1,983,285; Dec. 4.
- Gloor, Louis, Rochester, N. Y. Ice fishing mechanism. 1,973,869; Sept. 18.
- Glorifet, André. (See Baume, G., and Glorifet.)
- Gloudemans, John M., Kaukauna, Wis. Automatic alarm switch. 1,969,554; Aug. 7.
- Glove Corporation. (See Sturm, Conrad F., assignor.)
- Glover, John, assignor to Midway Chemical Company, Chicago, Ill. Duster. 1,975,935; Oct. 9.
- Glover, John, assignor to Midway Chemical Company, Chicago, Ill. Floor polishing device. 1,983,363; Dec. 4.
- Glover, Truman J., Portland, Oreg. Apparatus for exterminating the ground mole. 1,953,677; Apr. 3.
- Glowacki, John B., Chicago, Ill. Cartridge fuse, knife blade type. 1,950,489; Mar. 13.
- Gloyd, Frank M., assignor to Simonds Worden White Company, Dayton, Ohio. Shell lining for Jordan engines. 1,947,644; Feb. 20.
- Gloyd, Frank M., assignor to Simonds Worden White Company, Dayton, Ohio. Shell lining for Jordan engines. 1,963,787; June 19.
- Gloyd, Frank M., assignor to Simonds Worden White Company, Dayton, Ohio. Acidproof beater bar. 1,980,481; Nov. 13.
- Gloystein, Friedrich, Bremen, Germany. Hollow dowel. 1,963,301; June 19.
- Gluck, Alva F., assignor to The Minerva Wax Paper Company, Minerva, Ohio. Container. 1,967,119; July 17.
- Gluck, Alva F., assignor to Minerva Wax Paper Co., Minerva, Ohio. Dispensing carton. 1,972,069; Aug. 28.
- Gluck, Fred C., and P. A. McCaskey, assignors to Minerva Wax Paper Company, Minerva, Ohio. Dispensing package. 1,945,483; Jan. 30.
- Gluck, Fred C., and P. A. McCaskey, assignors to Minerva Wax Paper Company, Minerva, Ohio. Dispensing package. 1,952,431; Mar. 27.
- Gluckman, Joseph. (See Drucker, A., Gluckman, and Guralnik.)
- Glunt, Omer M., Rutherford, and E. W. Gent, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture projector. 1,955,801; Apr. 24.
- Glund, Wilhelm, assignor to Gesellschaft für Kohlentechnik m. b. H., Dortmund-Eving, Germany. Purifying ammonium thiocyanate. 1,970,303; Aug. 14.
- Glund, Wilhelm, F. Brodkorb, and W. Klempt, assignors to Gesellschaft für Kohlentechnik, m. b. H., Dortmund-Eving, Germany. Removal of sulphur and of sulphur and ammonia from gases. 1,947,983; Feb. 20.

- Glud, Wilhelm, and W. Klempt, assignors to Gesellschaft für Kohlentchnik m. b. H., Dortmund-Eving, Germany. Treatment and purification of certain gases. 1,950,981; Mar. 13.
- Glykol Waterproofing & Construction Corporation, The. (See Kuckro, William, assignor.)
- Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Apparatus for turning concave rolls. 1,976,705; Oct. 9.
- Gminder, Emil, Reutlingen, Germany, assignor, by mesne assignments, to B. F. Perkins & Son, Inc., Holyoke, Mass. Roller such for example as is used in calendars. 1,983,662; Dec. 11.
- Goad, Louis C., Muncie, assignor to Delco-Remy Corporation, Anderson, Ind. Machine for splitting grid castings. 1,953,170; Apr. 3.
- Goalstone, Michael J., assignor to The National Store Fixture Co., Denver, Colo. Refrigerating show case. 1,977,056; Oct. 16.
- Goat, Fred, Co. Inc. (See Mansbendel, Fritz P.)
- Gobert, Maurice, Chaville, assignor to l'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procédes Georges Claude, Paris, France. Separation of gaseous mixtures. 1,945,367; Jan. 30.
- Gobert, Maurice, Chaville, assignor to l'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procédes Georges Claude, Paris, France. Recovery by cold of a constituent in a gas mixture. 1,976,933; Oct. 16.
- Goble, Philip H., Miami, Fla. Contract score holder. 1,955,878; Apr. 24.
- Gobin, dit Daudé, Jean, Paris, France. Rivet setting machine. 1,945,892; Feb. 6.
- Gobin, Jean dit Daudé, Combs-La-Ville, France. Riveting machine. 1,969,214; Aug. 7.
- Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Pump jack. 1,945,774; Feb. 6.
- Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Floating stuffing box. 1,947,198; Feb. 13.
- Gochael, Urban F., assignor to The Egly Register Company, Dayton, Ohio. Multiple web stationery. 1,957,060; May 1.
- Gockel, Leo J., Salem, S. Dak. Guard tightener for mowers, binders, and analogous machines. 1,974,022; Sept. 18.
- Godard, Mary B., Brookline, Mass. Garment. 1,951,478; Mar. 20.
- Godard, Ray S., Pittsburgh, Pa. Furnace. 1,943,957; Jan. 16.
- Goddard, Alvin C., Forest Hills, N. Y. Metallic molding. 1,955,181; Apr. 17.
- Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillator. 1,980,581; Nov. 13.
- Goddard, Edwin. (See Daley, J. C., and Goddard.)
- Goddard, Holly R., Santa Monica, Calif. Match box holder for ash trays. 1,949,567; Mar. 6.
- Goddard, Paul B., and F. Ketcham, Dearborn, Mich., assignors to Universal Products Co. Inc. Assembling roller bearings. 1,947,004; Feb. 13.
- Goddard, Robert H., Worcester, Mass. Heat absorbing apparatus for use with solar energy. 1,951,403; Mar. 20.
- Goddard, Robert H., Worcester, Mass. Focusing mirror and directing mechanism therefor. 1,951,404; Mar. 20.
- Goddard, Robert H., Worcester, Mass. Apparatus for absorbing solar energy. 1,969,839; Aug. 14.
- Goddard, Robert H., Worcester, Mass. Welding thin metal structures. 1,969,840; Aug. 14.
- Goddard, Robert H., Worcester, Mass. Propulsion apparatus. 1,980,266; Nov. 13.
- Goddu, Arthur. (See Lasher, L. L., and Goddu.)
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,943,429; Jan. 16.
- Goddu, George, deceased, by I. W. Goddu, executrix, Winchester, assignor to United Shoe Machinery Corporation, Boston, Mass. Roughing machine for shoe parts. 1,943,430; Jan. 16.
- Goddu, George, deceased, by I. W. Goddu, Winchester, executrix, and F. L. MacKenzie, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,947,589; Feb. 20.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole. 1,961,346; June 5.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insertion of fastenings. 1,969,747; Aug. 14.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,975,784; Oct. 9.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe roughing tool. 1,979,381; Nov. 6.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machines. 1,981,037; Nov. 20.
- Goddu, George, Winchester, and F. L. MacKenzie, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,947,768; Feb. 20.
- Goddu, Isabelle W., executrix. (See Goddu, George.)
- Goddu, Lloyd W. (See Schumacher, E. L., and Goddu.)
- Goder, Max, Neuss, Germany, assignor to United States Envelope Company, Springfield, Mass. Machine for folding flat paper-matters. 1,985,859; Dec. 25.
- Godfrey, Bert O., Brooklyn, N. Y. Direct-reading pitchometer. 1,943,862; Jan. 16.
- Godfrey, Edward C., Detroit, Mich. Lamp. Des. 91,776; Mar. 20.
- Godfrey, Edward C., Detroit, Mich. Lamp. Des. 92,598; June 26.
- Godfrey, Edward C., Detroit, Mich. Adjustable lamp. Des. 92,802; July 17.
- Godfrey, Elmore M., jr., Knoxville, Tenn. Dispensing receptacle. 1,943,217; Jan. 9.
- Godley, Charles E. (See Følge, R. N., and Godley.)
- Godley, Charles E., Ypsilanti, assignor to General Motors Research Corporation, Detroit, Mich. Focus checking device. 1,961,347; June 5.
- Godman, H. C., Company, The. (See Crompton, Bruce H., assignor.)
- Godner, Bela, et al. (See Adams, Ervin, assignor.)
- Godowsky, Leopold, jr. (See Mannes, L. D., and Godowsky.)
- Godsey, Frank W., jr. (See Von Ohlesen, L. H., and Godsey, jr.)
- Godsey, Frank W., jr., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. System and apparatus for regulation. 1,943,524; Jan. 16.
- Godsey, Frank W., jr., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Electromagnetic relay construction. 1,956,279; Apr. 24.
- Godsey, Frank W., jr., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. System and apparatus for electrical regulation. 1,960,086; May 22.
- Godward, Ernest R., New York, N. Y. Liquid fuel mixture vaporizer. 1,970,169; Aug. 14.
- Godwin, W. S., Company. (See Godwin, William S., assignor.)
- Godwin, William S., Baltimore, Md., assignor to W. S. Godwin Company, Incorporated. Curb guard and facing. 1,960,053; May 22.
- Godziewski, Hermann, Eichwalde, near Teltow, Germany. Machine for cutting screw threads. 1,965,035; July 3.
- Godziewski, Hermann, Eichwalde, near Teltow, Germany. Apparatus for compensating for play in machines for cutting screw threads. 1,983,286; Dec. 4.
- Goebel, Hans. (See Schoeller, W., Dohrn, and Goebel.)
- Goebels, Paul, assignor to the firm G. Polysius, Aktien-gesellschaft, Dessau, Germany. Stirring up farinaceous materials in receptacles of any kind by compressed air, compressed gas, or the like. 1,971,852; Aug. 28.
- Goebert, Elmer C., U. S. Army, Philadelphia, Pa. Gun carriage. 1,959,357; May 22.
- Goebert, Elmer C., U. S. Army, Philadelphia, Pa. Gun carriage. 1,970,560; Aug. 21.
- Goebert, Elmer C., Philadelphia, Pa. Spring suspension for vehicles. 1,972,886; Sept. 11.
- Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfaunder Co., Rochester, N. Y. Seal for liquid agitating means. 1,965,698; July 10.
- Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfaunder Co., Rochester, N. Y. Liquid treating apparatus. 1,971,557; Aug. 28.
- Goeckeler, Gustav C., jr., Columbia, Ill. Apparatus for banding sliced bread. 1,981,503; Nov. 20.
- Goedecke, Richard, Wernigerode, Germany. Container for storing frying pans. 1,964,815; July 3.
- Goedtler, Louis, Brussels, Belgium. Manufacture of photographic printing fabric. 1,961,348; June 5.
- Goehring, William F., Baltimore, Md. Hydraulic clutch. 1,974,023; Sept. 18.
- Goeke, Frank A., et al. (See Seninger, F., Goeke, Nash, and Dell'Orco.)
- Goeldel, Horst. (See Gerdes, Adolf, assignor.)
- Goellner, John A., assignor to Monarch Metal Weather-strip Corporation, St. Louis, Mo. Weather strip. 1,948,108; Feb. 20.
- Goenen, Leo E., and J. A. Garrow, assignors to The Fritz-Cross Company, St. Paul, Minn. Adjustable chair. 1,972,338; Sept. 4.
- Goepfrich, Rudolph A., South Bend, Ind. Brake. 1,944,136; Jan. 16.
- Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,954,524; Apr. 10.
- Goepfrich, Rudolph A., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,964,150; June 26.
- Goepfrich, Rudolph A., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,403; July 24.
- Goerdes, Frederick W., assignor to J. E. Mergott Company, Newark, N. J. Hand bag frame. 1,976,665; Oct. 9.
- Goerdes, Frederick W., assignor to J. E. Mergott Company, Newark, N. J. Hand bag frame. 1,977,551; Oct. 16.
- Goerg, Walter, Woodcliff, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Liquid gauge. 1,981,354; Nov. 20.
- Goering, William A., Chicago, Ill., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Grinding machine. 1,962,302; June 12.
- Goerlich, John E. (See Hadley, Harold F., assignor.)
- Goerlich, William M., Philadelphia, Pa., assignor of one-half to N. H. Rapoport, Camden, N. J. Lubricator for conveyers. 1,967,751; July 24.
- Goerner, Karl E., Wood-Ridge, N. J. Garment hanger. 1,980,939; Nov. 13.
- Goers, Joseph J. (See Buttaci, J., and Goers.)
- Goerschler-Martindale & Company, (Not Inc.) (See Goerschler, T. A., and Martindale, assignors.)

- Goerschler, Theodore A., and M. E. Martindale, assignors, by mesne assignments, to Goerschler-Martindale & Company (Not Inc.), Chicago, Ill. Advertising novelty. 1,974,673; Sept. 25.
- Goertemiller, Karl H. (See Hall, E., and Goertemiller.)
- Goertz, August, & Co. (See Goertz, Walter A., assignor.)
- Goertz, Walter A., Newark, N. J., assignor to August Goertz & Co., Inc. Varsity box. 1,959,784; May 22.
- Goes, Konrad, Rosrath, near Cologne, and E. Badum, assignors to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Submarine cable for communication purposes. 1,974,712; Sept. 25.
- Goessmann, Anna M. D., executrix. (See Goessmann, Charles I.)
- Goessmann, Charles I., deceased, Providence, R. I., by Anna M. D. Goessmann, executrix, Brooklyn, N. Y. Paper making. 1,944,886; Jan. 30.
- Goethel, Otto L., Grand Rapids, Mich. Triple lock spring with floating top. 1,982,426; Nov. 27.
- Goetsch, George W., Elkins Park, and O. F. Smetana, assignors to Quaker Hosiery Company, Philadelphia, Pa. Producing antiravel fabrics. 1,970,906; Aug. 21.
- Goetter, Edward A., assignor to Fairbanks, Morse & Co., Chicago, Ill. Belting. 1,964,510; June 26.
- Goetz, Edward L., Oakland, Calif. Advertising device. 1,956,280; Apr. 24.
- Goetz, Gottfried, assignor to L. Kern, Webster Groves, Mo. Rotary breaker. 1,964,050; June 26.
- Goetz, Herbert W. (See Ferlin, J. J., and Goetz.)
- Goetz, Louis W., Winthrop, assignor to Wheeler Reflector Company, Boston, Mass. Electric light fixture. 1,984,575; Dec. 18.
- Goetz, Maurus T. (See Reiber, A. H., and Goetz.)
- Goetzelman, William, Chicago, Ill., assignor to Appleton Electric Company. Conduit clamp for connecting boxes. Re19,389; Dec. 4.
- Goetzelman, William, Chicago, Ill., assignor to Appleton Electric Company. Ground connection. 1,955,283; Apr. 17.
- Goff, James T. (See Hill, C. F., and Goff.)
- Goff, Jess, assignor of one-half to W. J. Perry, San Diego, Calif. Swing construction. 1,960,671; May 29.
- Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Circuit controlling device. 1,964,464; June 26.
- Goff, Robert W., Schenectady N. Y., assignor to General Electric Company. Motor starter and control system. 1,980,796; Nov. 13.
- Goff, Robert W., and W. J. Fleming, Schenectady, N. Y., assignors to General Electric Company. Timing device. 1,967,880; July 24.
- Goff, William B., and G. F. Delgado, Tucson, Ariz. Clamp-in device. 1,959,713; May 22.
- Gofferje, Eduard. (See Keller, K., and Gofferje.)
- Gofferje, Emil, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Hollow heat exchange plate. 1,962,954; June 12.
- Goffin, John, assignor to Chisholm-Ryder Company, Inc., Niagara Falls, N. Y. Machine for forming carton blanks. 1,962,815; June 12.
- Gozan, Joseph, Lakewood, Ohio. Strength of material testing device. 1,978,302; Oct. 23.
- Gorgins, Juil R., Minneapolis, Minn. Burial casket. Des. 93,012; Aug. 14.
- Gorgins, Juil R., Minneapolis, Minn. Device for delivering tokens. 1,979,613; Nov. 6.
- Gohr, Edwin J., Elizabeth, N. J., assignor to Standard-I. G. Company. Preparing antidetonation motor fuel. 1,954,993; Apr. 17.
- Gohr, Edwin J., Elizabeth, N. J., and R. C. Cline, Baker, La., assignor to Standard-I. G. Company. Treating hydrocarbons. 1,960,207; May 22.
- Goin, George R., and B. A. De Polo, Detroit, Mich. Trailer. Des. 91,938; Apr. 10.
- Going, George G., Glenbrook, Conn., assignor to Remington Rand Inc., New York, N. Y. Typewriting machine. 1,943,015; Jan. 9.
- Going, George G., Glenbrook, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,945,893; Feb. 6.
- Going, George G., Glenbrook, Conn., assignor to Remington Rand Inc., New York, N. Y. Typewriting machine. 1,945,894; Feb. 6.
- Going, George G., Glenbrook, Conn., assignor to Remington Rand, Inc., New York, N. Y. Typewriting machine. 1,973,311; Sept. 11.
- Going, George G., Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y. Typewriting machine. 1,956,421; Apr. 24.
- Going, George G., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,967,436; July 24.
- Golberg, Elmer L., Laramie, Wyo. Collapsible kennel. 1,973,952; Sept. 18.
- Gold, Bruce E., Independence, assignor to Weber Engine Company, Kansas City, Mo. Transmission. 1,965,834; July 10.
- Gold Car Heating & Lighting Company. (See Dearborn, Frank W., assignor.)
- Gold, Isaac, assignor to Hillsdale Manufacturing Company, Hillsdale, Mich. Garment. 1,951,240; Mar. 13.
- Gold, Jacob. (See Palmer, Charles S., assignor.)
- Gold, Max G., and D. A. Moritz, McKeesport, Pa. Toilet apparatus. 1,944,077; Jan. 16.
- Gold, Nathan, New York, N. Y. Tobacco pipe. Des. 93,342; Sept. 18.
- Gold, Russell S., assignor to The American Hardware Corporation, New Britain, Conn. Knob attachment. 1,958,363; May 8.
- Gold- und Silber-Scheideanstalt vormals Roessler. (See Fuchs, Otto, assignor.)
- Goldacker, Paul, Berlin-Neukolln, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Sensitizing of photographic emulsions. 1,982,987; Dec. 4.
- Goldberg, Benjamin, New York, N. Y. Lamp shade machine. 1,958,965; May 15.
- Goldberg, Benjamin E., Dallas, Tex. Monument. Des. 91,128; Dec. 25.
- Goldberg Bros. Inc. (See Goldberg, Herman, assignor.)
- Goldberg, Emanuel. (See Kuppenbender, H., Nowicki, Goldberg, and Mende.)
- Goldberg, Emanuel, Dresden-Loschwitz, assignor to Zeiss Ikon, Aktiengesellschaft Dresden, Dresden, Germany. Nipkow disk for television. 1,973,203; Sept. 11.
- Goldberg, Herman, Chicago, Ill. Grinding and polishing apparatus. 1,979,325; Nov. 6.
- Goldberg, Herman, assignor to Goldberg Bros. Inc., Haverhill, Mass. Shoe. Des. 93,977; Dec. 4.
- Goldberg, Isidor. (See Parisi, Michael, assignor.)
- Goldberg, Jack, et al. (See Schlesinger, Harry, assignor.)
- Goldberg, Jacob M. (See Goldberg, Louis B., N., W., and J. M.)
- Goldberg, Julius A., Highland Park, Ill. Shoe or similar article. Des. 93,978; Dec. 4.
- Goldberg, Louis B., N. W., and J. M., Denver, Colo. Awning arm hinge. 1,948,788; Feb. 27.
- Goldberg, Louis B., N. W., and J. M., Denver, Colo. Awning arm bracket. 1,948,789; Feb. 27.
- Goldberg, Louis B., N. W., and J. M., Denver, Colo. Combined screening and concentrating device. 1,960,085; May 22.
- Goldberg, Max, Dresden, Germany. Molded article. 1,961,824; June 5.
- Goldberg, Max L. (See Goldberg, Victor and M. L.)
- Goldberg, Max W., assignor to Modern Equipment Company, Port Washington, Wis. Pouring device. 1,957,061; May 1.
- Goldberg, Max W., and W. W. Drissen, assignors to Modern Equipment Company, Port Washington, Wis. Sand handling and conditioning apparatus. 1,966,116; July 10.
- Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Governor control mechanism. 1,943,069; Jan. 9.
- Goldberg, Nathan. (See Goldberg, Louis B., N., W., and J. M.)
- Goldberg, Nathan, Denver, Colo. Ore separator. 1,977,909; Oct. 23.
- Goldberg, Nathan L., Brooklyn, N. Y. Window construction. 1,972,556; Sept. 4.
- Goldberg, Samuel P., Brooklyn, N. Y., assignor to Chantrell Lock Corp. Lock. 1,961,483; June 5.
- Goldberg, Solom, Louisville, Ky. Comb. Des. 91,426; Jan. 30.
- Goldberg, Victor and M. L., Baltimore, Md. Toy boat. 1,943,474; Jan. 16.
- Goldberg, William. (See Goldberg, Louis B., N., W., and J. M.)
- Goldberger, Leo, assignor of one-half to J. Simon, Cedarhurst, N. Y. Collapsible tube closure. 1,951,510; Mar. 20.
- Gold Dust Corporation. (See Copes, Louis G., assignor.)
- Golden, A. H. (See Mitchell, Richard S. M. and G. A., assignors.)
- Golden, Ephraim P., St. Petersburg, Fla. Auto trailer coach. Des. 92,956; Aug. 7.
- Golden, Kenneth E., assignor to Ray-Dio-Ray Corporation, Spokane, Wash. Apparatus for generating and applying electrostatic energy. 1,952,588; Mar. 27.
- Golden, Louis J., Highland Park, assignor to B. & B. Shoe Company, Chicago, Ill. Container. 1,980,482; Nov. 13.
- Golden, Thomas H., Pottsville, Pa., assignor to Phillips-Jones Corporation, New York, N. Y. Label support. 1,966,586; July 17.
- Golden, William E., Chicago, Ill. Race track equipment. 1,942,642; Jan. 9.
- Goldenberg, Emanuel, New York, N. Y. Display rack. Des. 92,463; June 12.
- Goldenberg, Michael, Philadelphia, Pa. Shoe cleat attachment. 1,953,477; Apr. 3.
- Goldenberg, Michael, Philadelphia, Pa. Shoe cleat attachment. 1,973,951; Sept. 18.
- Goldenberg, Michael, Philadelphia, Pa. Shoe cleat attachment. 1,985,775; Dec. 25.
- Goldblatt, Joseph, assignor to Lionel Distilled Products, Inc., Chicago, Ill. Bottle. Des. 93,821; Nov. 13.
- Goldhammer, Leo. (See Lingg, A., and Goldhammer.)
- Goldhammer, Leo, Munich, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Motion picture apparatus. 1,968,938; Aug. 7.
- Goldhammer, Leo, Munich, and W. Baumgärtner, Brunswick, Germany, assignors to Agfa Anso Corporation, Binghamton, N. Y. Apparatus for taking cinematographic pictures. 1,959,268; May 15.
- Goldhammer, Leo, and F. Stiefenhofer, Munich, Germany, assignors to Agfa Anso Corporation, Binghamton, N. Y. Film guiding roll for cinematographic. 1,966,857; July 17.
- Golding, Dudley S., et al. (See Fries, Nestor, assignor.)
- Golding, Edwin I., New York, N. Y. Fabric. 1,955,582; Apr. 17.

- Goldkamp, Otto B., assignor of one-half to San Diego Consolidated Gas and Electric Company, San Diego, Calif. Balanced valve apparatus for fluid regulators. 1,944,425; Jan. 23.
- Goldman, Albert D., Baltimore, Md. Terminal or clamp. 1,979,882; Nov. 6.
- Goldman, Barney, New York, N. Y. Hydraulic jack. 1,952,127; Mar. 27.
- Goldman, Barney, New York, N. Y. Wrapper for piece goods. 1,968,760; July 31.
- Goldman, Harry, Jamaica, N. Y. Knitted sweater. Des. 92,464; June 12.
- Goldman, Harry B., Pittsburgh, Pa. Push button elevator control system. 1,972,015; Aug. 28.
- Goldman, J. Harold, et al. (See Wells, Maurice T., assignor.)
- Goldman, Joseph, et al. (See Wells, Maurice T., assignor.)
- Goldman, Maurice A., Milford, N. H., assignor, by mesne assignments, to Commercial Filters Corporation, Boston, Mass. Filter and filter element and making filter elements. 1,958,268; May 8.
- Goldman, Melvin, Oak Park, Ill. Utility case. 1,969,976; Aug. 14.
- Goldman, William P., New York, N. Y. Trousers. 1,953,065; Apr. 3.
- Goldmann, Jacques, assignor to A. Levy, Strasbourg, France. Adhesive. 1,956,899; May 1.
- Gold Medal Folding Furniture Co. (See Brown, Newton N., assignor.)
- Gold Medal Folding Furniture Company. (See Gittings, William L., assignor.)
- Goldoff, Byron M., and J. Roscoe, El Paso, Tex. Fuel economizer. 1,974,865; Sept. 25.
- Goldsborough, John B., Croton-on-Hudson, N. Y., and Charles Lose, Jr., Cranford, N. J. Pile driving apparatus. 1,957,999; May 8.
- Goldsborough, Shirley L., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High speed differential relay. 1,959,053; May 15.
- Goldsborough, Shirley L., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable characteristic relay. 1,973,060; Sept. 11.
- Goldsby, Fred L., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Tank. 1,971,342; Aug. 28.
- Goldschmidt, A.-G., Firm Th. (See Sander, Wilhelm, assignor.)
- Goldschmidt, Th., A.-G. (See Wiedbrauck, E., and Büche, assignors.)
- Goldschmidt, Th., Corporation. (See Weber, J., and Hengstebeck, assignors.)
- Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Sound motion picture. 1,946,206; Feb. 6.
- Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Home talking movie combination. 1,971,446; Aug. 28.
- Goldsmith, Bertram J., Allentown, Pa. Display device. 1,946,848; Feb. 13.
- Goldsmith, Bertram J., Allentown, Pa., and J. W. Stark, New York, N. Y. Ribbon put-up. 1,973,061; Sept. 11.
- Goldsmith, Israel, New York, N. Y. Window cleaning apparatus. 1,984,370; Dec. 18.
- Goldsmith, Lester M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Electrical generating system. Re19,289; Aug. 28.
- Goldsmith, P., Sons Company, The. (See Baumer, Edward, assignor.)
- Goldsmith, Samuel J., Chicago, Ill. Sunbonnet. Des. 93,212; Sept. 4.
- Goldsmith, William M. (See Goldsmith, W. M., and Harig, assignors.)
- Goldsmith, William M. (See Harig, Benjamin, assignor.)
- Goldsmith, William M., and B. Harig, Cincinnati, Ohio, assignors, by mesne assignments, to said W. M. Goldsmith, Form for concrete floor construction. 1,942,093; Jan. 2.
- Goldstein, Arthur, assignor to Eagle Knitting Mills, Milwaukee, Wis. Cap. 1,957,206; May 1.
- Goldstein, Harold, New York, N. Y. Temperature regulating device. 1,966,949; July 17.
- Goldstein, Lewis W., Pittsfield, Mass. Paper-carton opener. 1,941,680; Jan. 2.
- Goldstein, Morris. (See Ellinger, Albert E., assignor.)
- Goldstein, Morris L., Brooklyn, N. Y. Combination package. 1,963,233; June 19.
- Goldstein, Richard F., Sedgely Park, Prestwich, England, assignor to Imperial Chemical Industries Limited. Manufacture of aromatic arylides. 1,955,802; Apr. 24.
- Goldstein, Richard F., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Production of carboxylic acid amides. 1,972,142; Sept. 4.
- Goldstein, Simon I., Baltimore, Md. Umbrella identifying means. 1,965,699; July 10.
- Goldstein-Wilkins Corporation. (See Herrel, Gertrude, assignor.)
- Goldstein-Wilkins Corporation. (See Reiman, Paul, assignor.)
- Goldstone, David. (See Pincus, J., and Goldstone.)
- Goldsworthy, Marion C., Washington, D. C., dedicated to the free use of the Government and the People of the United States. Fungicide. 1,954,171; Apr. 10.
- Goldsworthy, Marion C., Washington, D. C., dedicated to the free use of the Government and the People of the United States. Fungicide. 1,958,102; May 8.
- Goldsworthy, Paul A., Berkeley, Calif. Balance indicator for aircraft. 1,948,030; Feb. 20.
- Goldthwaite, du Val R. (See Hardy, Arthur C., assignor.)
- Goldthwaite, du Val R., New York, N. Y. Producing musical tones. 1,967,238; July 24.
- Goldthwaite, George H., South Easton, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Method and apparatus for conditioning air. 1,975,267; Oct. 2.
- Goldwater, William N., Rochester, N. Y. Garment supporting board. 1,944,078; Jan. 16.
- Goldzweig, Charles, Brooklyn, assignor of one-half to A. Unger, New York, N. Y. Shoe. 1,974,456; Sept. 25.
- Gollert, Reinhold, Berlin-Charlottenburg, Germany. Cooling device for tires. 1,956,739; May 1.
- Gollner, Herman E., Buffalo, N. Y. Brake. 1,946,948; Feb. 13.
- Gollmar, Herbert A., West Caldwell, N. J., assignor to The Koppers Company of Delaware. Flow control apparatus. 1,942,094; Jan. 2.
- Gollmar, Herbert A., West Caldwell, N. J., assignor to The Koppers Company of Delaware. Gas purification. 1,957,262; May 1.
- Gollmar, Herbert A., West Caldwell, N. J., assignor to The Koppers Company of Delaware. Gas purification process and recovery of by-products therefrom. 1,971,779; Aug. 28.
- Gollong, Richard J., Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Spool holder. 1,956,193; Apr. 24.
- Gollong, Richard J., Johnson City, Tenn., assignor to American Glanzstoff Corporation, New York, N. Y. Spool holder. 1,959,159; May 15.
- Gollong, Richard, Johnson City, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Spool holding means. 1,975,743; Oct. 2.
- Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,941,681; Jan. 2.
- Gollwitzer, Walter T., Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del. Printing device. 1,955,803; Apr. 24.
- Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,975,318; Oct. 2.
- Gollwitzer, Walter T., assignor to Speedumat Manufacturing Company, Chicago, Ill. Printing machine. 1,968,292; July 31.
- Gollwitzer, Walter T., Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del. Address plate. 1,979,261; Nov. 6.
- Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,982,379; Nov. 27.
- Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,982,380; Nov. 27.
- Golob, John E., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Motorstat. 1,982,051; Nov. 27.
- Gomes, Eugene E., Brooklyn, N. Y., and S. L. Hancock, Rome, Ga., assignors to The Fairbanks Company, New York, N. Y. Hand truck. 1,953,880; Apr. 3.
- Gomi, Tadashi D., New York, N. Y. Money receptacle. 1,972,480; Sept. 4.
- Gommel, Dewey E., assignor to E. C. Atkins & Company, Indianapolis, Ind. Saw swage. 1,943,863; Jan. 16.
- Gommel, Dewey E., assignor to E. C. Atkins and Company, Indianapolis, Ind. Hack saw machine. 1,962,588; June 12.
- Jonmory, William L., Paris, France, assignor to Standard Oil Development Company. Art of and apparatus for converting hydrocarbons. 1,981,727; Nov. 20.
- Gonder, Edward L., North Canton, Ohio. Window. 1,974,269; Sept. 18.
- Gong Bell Manufacturing Company, The. (See Allen, Harold D., assignor.)
- Gong Bell Manufacturing Company, The. (See Conklin, John H., assignor.)
- Gonsalves, Virgil, Monterey, assignor of fifty-one per cent to H. Van Swearingen, Carmel, Calif. Transplanting tool. 1,970,087; Aug. 14.
- Gonsett, Robert R., Los Angeles, Calif. Body vibrator. 1,974,812; Sept. 25.
- Gonsor, John J., assignor to Industrial Patents Corporation, Chicago, Ill. Dehairing machine. 1,955,122; Apr. 17.
- González y González, Fernando, Habana, Cuba. Metal net and frame for beds. 1,954,382; Apr. 10.
- Gooch, Claiborne W., Jr., assignor to United Cigarette Machine Company, Inc., Lynchburg, Va. Stem cutting mechanism for tobacco stemming machines. 1,962,955; June 12.
- Gooch, Stapleton D. (See Kerschbaum, F. P., Waggaman, and Gooch.)
- Good, Addie, Hicksville, Ohio. Signaling apparatus. 1,962,652; June 12.
- Good, Charles A., Oakland, Calif. Electric circuit extension connector. 1,956,949; May 1.
- Good, Charles A., San Francisco, Calif. Self locking contact plug. 1,957,773; May 8.
- Good, Charles A., Oakland, Calif. Fuse panel. 1,965,099; July 3.

- Good, Charles A., Oakland, Calif. Electric circuit extension connector. 1,966,950; July 17.
- Good, Ezra A., Clarksville, Mich. Seed cleaner. 1,980,517; Nov. 13.
- Good, Frederick C., Philadelphia, Pa. Burnishing machine. 1,967,120; July 17.
- Good, John, Garden City, assignor to Automatic Motor Stop and Start, Inc., New York, N. Y. Engine starting system. 1,983,849; Dec. 11.
- Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,976,846; Oct. 16.
- Good, Paul E., Riverton, N. J., assignor to Elliott Company, Pittsburgh, Pa. Blower wheel. 1,953,297; Apr. 3.
- Good, Robert, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Method and apparatus for feeding batch mixtures to furnaces. 1,953,221; Apr. 3.
- Good, Robert C., Pittsburgh, Pa., assignor to Electro Metallurgical Company. Malleable iron casting. 1,984,474; Dec. 18.
- Goodaire, Edwin W., and G. Arnold, Shaker Heights, assignors to Cleveland Frog and Crossing Company, Cleveland, Ohio. Railroad crossing and frog. 1,956,021; Apr. 24.
- Goodaire, Edwin W., and G. Arnold, Shaker Heights, assignors to Cleveland Frog and Crossing Company, Cleveland, Ohio. Switch point lock. 1,960,377; May 29.
- Goodale, Everett J., Watsonville, assignor of one-half to G. H. Jocelyn, San Jose, Calif. Apparatus facilitating germicidal treatment and washing of fruits. 1,973,062; Sept. 11.
- Goodale, Lynn C., Belleville, assignor to Federal Telegraph Company, Newark, N. J. Vacuum tube construction. 1,974,305; Sept. 18.
- Goodale, Percy B., Newington, Conn. Weighing device for vehicles. 1,956,096; Apr. 24.
- Goodale, Walter D., Jr. (See Dietze, E., and Goodale.)
- Goodall, Charles, Tutbury, Burton-on-Trent, England. Drying of timber and other materials. 1,964,115; June 26.
- Goodall, Howard W., Aldan, Pa. Hose. 1,984,475; Dec. 18.
- Goodall, John Arthur, Bradford, England. Portable fire extinguisher. 1,968,825; Aug. 7.
- Goodall, Worsted Company. (See Nutter, William S., assignor.)
- Goode, Gilbert C. (See Miller, C. W., and Goode.)
- Goode, Godfrey P., Covington, Ky., assignor to General Development Laboratories, Inc., New York, N. Y. Irradiation apparatus. 1,966,546; July 17.
- Goode, Godfrey P., Covington, Ky., assignor to General Development Laboratories, Inc., New York, N. Y. Irradiation apparatus. 1,966,547; July 17.
- Goodell, Edward G., Stevens Point, Wis. Treating black liquors. Des. 19,240; July 17.
- Goodenough, Wilbur H. (See Tindell, D. J., and Goodenough.)
- Goeder, Seth M., Chicago, Ill. Brace and forming concrete structures. 1,963,362; June 19.
- Goederham, John W. (See Fowler, C. B., and Goederham.)
- Goodey, John A., Dodsland, Saskatchewan, Canada. Lubricating apparatus. 1,947,710; Feb. 20.
- Goodfellow, Sampson J., Regina, Saskatchewan, Canada. Grain spout. 1,981,413; Nov. 20.
- Goodhall, Sydney N., Marston Green, and G. C. Brentnall, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, Fort Dunlop, England. Apparatus for stringing tennis and other rackets. 1,962,865; June 12.
- Good Humor Corporation of America. (See Brimer, Thomas J., assignor.)
- Good Humor Corporation of America. (See Crowley, Paul W., assignor.)
- Good Humor Corporation of America. (See West, John W., assignor.)
- Goodin, Everett S., Daytona Beach, Fla. Coin-controlled dispensing machine. 1,969,401; Aug. 7.
- Goodland, Charles M., Rock Island, Ill. Change valve and seat for mechanical refrigeration. 1,960,628; May 29.
- Goodley, Harry, Nottingham, England. Jacquard mechanism. 1,984,128; Dec. 11.
- Goodman, Abraham, New York, N. Y. Dress. Des. 93,213; Sept. 4.
- Goodman, Abraham, New York, N. Y. Dress. Des. 93,214; Sept. 4.
- Goodman, Abraham, New York, N. Y. Dress. Des. 93,215; Sept. 4.
- Goodman, Abraham, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 93,469; Oct. 2.
- Goodman, Eddie J., assignor of one-half to J. W. Bibee, Lynchburg, Va. Dispensing and display device. 1,972,989; Sept. 11.
- Goodman, Emily, New York, N. Y. Lady's sanitary undergarment. 1,971,558; Aug. 28.
- Goodman, Jacob, Brooklyn, N. Y., assignor to Delamere Company, Inc. Hair waver. 1,944,737; Jan. 23.
- Goodman, Jacob, New York, N. Y., assignor to Delamere Company, Inc. Hair device. 1,983,978; Dec. 11.
- Goodman, Jacob A., Indianapolis, Ind. Ravel stop for knitted stockings. 1,955,364; Apr. 17.
- Goodman, Jacob A., Indianapolis, Ind. Run stop construction for stockings. 1,981,315; Nov. 20.
- Goodman, Jacob A., Indianapolis, Ind. Stocking and seam construction therefor. 1,984,970; Dec. 18.
- Goodman, Leo A., Brooklyn, N. Y. Treating fibrous material. Re19,325; Sept. 25.
- Goodman, Louis, assignor to State Holding Co., Inc., San Francisco, Calif. Swivel coupling joint. 1,944,124; Jan. 16.
- Goodman Manufacturing Company. (See Barry, Robert L., assignor.)
- Goodman Manufacturing Company. (See Driebeaus, Herman W., assignor.)
- Goodman Manufacturing Company. (See Ernsbarger, George H., assignor.)
- Goodman Manufacturing Company. (See Foster, Thomas, assignor.)
- Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
- Goodman Manufacturing Company. (See Madeira, John R., assignor.)
- Goodman Manufacturing Company. (See McCullough, William T., assignor.)
- Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)
- Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
- Goodman Manufacturing Company. (See Sloane, William W., assignor.)
- Goodman Manufacturing Company. (See Vodoz, Frederick W., assignor.)
- Goodman, Percival, New York, N. Y., assignor to The McKay Company, Pittsburgh, Pa. Glider. Des. 91,997; Apr. 17.
- Goodman, Samuel. (See Sechler, W. N., and Goodman.)
- Goodman, Willard B., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,945,189; Jan. 30.
- Goodman, William L., assignor to Bear-Stewart Company, Chicago, Ill. Doughnut cooking machine. 1,966,117; July 10.
- Goodnow, Charles H., assignor to Container Corporation of America, Chicago, Ill. 1,947,199; Feb. 13.
- Goodrich, B. F., Company, The. (See Achterhof, Marvin, assignor.)
- Goodrich, B. F., Company, The. (See Ambler, Robert R., assignor.)
- Goodrich, B. F., Company, The. (See Anderson, J. F., Strong, and Torrence, assignors.)
- Goodrich, B. F., Company, The. (See Bedell, James R., assignor.)
- Goodrich, B. F., Company, The. (See Bodle, V. H., and Newton, assignors.)
- Goodrich, B. F., Company, The. (See Bourne, H. A., and Cadden, assignors.)
- Goodrich, B. F., Company. (See Brucker, Ferdinand F., assignor.)
- Goodrich, B. F., Company, The. (See Cadden, C. C., and Bourne, assignors.)
- Goodrich, B. F., Company, The. (See Campbell, Arthur W., assignor.)
- Goodrich, B. F., Company, The. (See Cate, Malcolm S., assignor.)
- Goodrich, B. F., Company, The. (See Check, Marion A., assignor.)
- Goodrich, B. F., Company, The. (See Clarke, John H., assignor.)
- Goodrich, B. F., Company, The. (See Collins, Arthur E., assignor.)
- Goodrich, B. F., Company, The. (See Cunningham, Edward N., assignor.)
- Goodrich, B. F., Company, The. (See Curtis, Chalmer C., assignor.)
- Goodrich, B. F., Company, The. (See Dales, Benton, assignor.)
- Goodrich, B. F., Company, The. (See Davidson, Elias E., assignor.)
- Goodrich, B. F., Company, The. (See Davis, Herbert L., assignor.)
- Goodrich, B. F., Company, The, et al. (See De Wein, G. F., Eakin, and McNulty, assignors.)
- Goodrich, B. F., Company, The. (See Dodge, Howard M., assignor.)
- Goodrich, B. F., Company, The. (See Fenton, Frank, assignor.)
- Goodrich, B. F., Company, The. (See Fowler, Fred D., assignor.)
- Goodrich, B. F., Company, The. (See Freeman, L. M., and Catt, assignors.)
- Goodrich, B. F., Company, The. (See Freeman, Walter B., assignor.)
- Goodrich, B. F., Company, The. (See Fritz, Howard E., assignor.)
- Goodrich, B. F., Company, The. (See Fritz, H. E., and Hoover, assignors.)
- Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
- Goodrich, B. F., Company, The. (See Garvey, Benjamin S., Jr., assignor.)
- Goodrich, B. F., Company, The. (See Gay, Vincent B., assignor.)
- Goodrich, B. F., Company, The. (See Geer, William C., assignor.)
- Goodrich, B. F., Company, The. (See Gray, Harold, assignor.)
- Goodrich, B. F., Company, The. (See Hais, Hugo, assignor.)
- Goodrich, B. F., Company, The. (See Harrison, Marlon M., assignor.)

- Goodrich, B. F., Company, The. (See Haushalter, Fred L., assignor.)
- Goodrich, B. F., Company, The. (See Homeier, Otto F., assignor.)
- Goodrich, B. F., Company, The. (See Jones, Webster N., assignor.)
- Goodrich, B. F., Company, The. (See Kohler, Charles W., assignor.)
- Goodrich, B. F., Company, The. (See Lawson, Wilfrid G., assignor.)
- Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)
- Goodrich, B. F., Company, The. (See Leguillon, C. W., and Slabaugh, assignors.)
- Goodrich, B. F., Company, The. (See L'Hollier, Leslie H., assignor.)
- Goodrich, B. F., Company, The. (See MacLachlan, Andrew D., assignor.)
- Goodrich, B. F., Company, The. (See Merrill, Allan B., assignor.)
- Goodrich, B. F., Company, The. (See Merrill, A. B., and Ritchie, assignors.)
- Goodrich, B. F., Company, The. (See Moffitt, Lucian Q., assignor.)
- Goodrich, B. F., Company, The. (See Nathan, Tracy D., assignor.)
- Goodrich, B. F., Company, The. (See Newton, Edwin B., assignor.)
- Goodrich, B. F., Company, The. (See Offensend, Chase F., assignor.)
- Goodrich, B. F., Company, The. (See Riley, Ralph E., assignor.)
- Goodrich, B. F., Company, The. (See Ritchie, Clarence A., assignor.)
- Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
- Goodrich, B. F., Company, The. (See Shank, McConnell, assignor.)
- Goodrich, B. F., Company, The. (See Silver, Joseph R., jr., assignor.)
- Goodrich, B. F., Company, The, et al. (See Simpson, J. H., jr., and Merrill, assignors.)
- Goodrich, B. F., Company, The. (See Sloan, Arthur W., assignor.)
- Goodrich, B. F., Company, The. (See Slusher, Frank, assignor.)
- Goodrich, B. F., Company, The. (See Strong, Walter J., assignor.)
- Goodrich, B. F., Company, The. (See Sutherland, Eugene B., assignor.)
- Goodrich, B. F., Company, The. (See Tarr, Philip R., assignor.)
- Goodrich, B. F., Company, The. (See Pentz, William C., assignor.)
- Goodrich, B. F., Company, The. (See Trumbull, Harlan L., assignor.)
- Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)
- Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)
- Goodrich, B. F., Company, The. (See Ward, E. J., and Griffiths, assignors.)
- Goodrich, B. F., Company, The. (See Wright, Helen E., assignor.)
- Goodrich, B. F., Company, The. (See Zimmerli, W. F., and Semon, assignors.)
- Goodrich, Charles W. (See Ernst, H., and Goodrich.)
- Goodrich, Chauncey M. Windsor, Ontario, Canada. Building construction. 1,951,090; Mar. 13.
- Goodrich, Chauncey M. Windsor, Ontario, Canada. Cable dampener. 1,965,494; July 3.
- Goodrich, Edmond T., Detroit, Mich. Automatic window lock. Re19,405; Dec. 25.
- Goodrich Electric Company. (See Saaf, Dirk G., assignor.)
- Goodrich, George N., St. Paul, Minn. Separator for storage batteries. 1,982,095; Nov. 27.
- Goodrich, George N., and C. G. Reetz, assignors to National Battery Company, St. Paul, Minn. Battery grid pasting machine. 1,963,018; June 12.
- Goodrich, George N., Walled Lake, Mich., and C. G. Reetz, assignors to National Battery Company, St. Paul, Minn. Pasting machine. 1,975,039; Sept. 25.
- Goodrich Oil Burner Manufacturing Corporation. (See Goodrich, Raymond H., assignor.)
- Goodrich, Raymond H., Woodbridge, Conn., assignor to Goodrich Oil Burner Manufacturing Corporation. Oil burner. 1,965,411; July 3.
- Goodrich, Robert J. (See Gubelmann, I., and Goodrich.)
- Goodrich, Robert J. (See Gubelmann, I., Goodrich, and Dettwyler.)
- Goodrich, Robert J., and I. Gubelmann, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyes of the anthraquinonyl-amino anthraquinone-acridone series and their production. 1,972,094; Sept. 4.
- Goodspeed, Lawrence D., Wilton, Maine. Convertible toy. 1,985,656; Dec. 25.
- Goodstein, Charles B. (See Posnack, Emanuel R., assignor.)
- Goodstein, Lawrence, New York, N. Y. Comfortable. Des. 93,614; Oct. 16.
- Goodwillie, David H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass forming apparatus. 1,967,025; July 17.
- Goodwin, Allie J., Kensington, Conn. Cabinet. 1,979,222; Oct. 30.
- Goodwin, Benjamin F., Ridgewood, N. J., assignor of one-half to Seeman Brothers, Inc. Can construction. 1,957,639; May 8.
- Goodwin, Charles M., sr., Richmond, Va. Electric lock. 1,948,217; Feb. 20.
- Goodwin, Edwin A., Oceanport, N. J. Remote control and keying system for radio transmitters. 1,981,861; Nov. 27.
- Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Stabilizer. 1,951,547; Mar. 20.
- Goodwin, Frederick C., Los Angeles, Calif. Method and apparatus for cutting and wrapping butter. 1,975,936; Oct. 9.
- Goodwin, George I., Detroit, Mich. Adjustable clutch mechanism. 1,981,504; Nov. 20.
- Goodwin, George I., Detroit, Mich. Clutch. 1,981,505; Nov. 20.
- Goodwin, George S., Chicago, Ill. Folding step. 1,953,298; Apr. 3.
- Goodwin, George S., and P. Kass, Chicago, Ill. Bolt and nut locking device and making it. 1,956,348; Apr. 24.
- Goodwin, Guy L. (See Meinzer, Gotthold H., assignor.)
- Goodwin, John, Washington, D. C. Pump attachment for internal combustion motors. 1,951,279; Mar. 13.
- Goodwin, John E., Harpfields, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc. of America. New York, N. Y. Plate or similar article. Des. 93,216; Sept. 4.
- Goodwin, John E., Harpfields, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc. of America. New York, N. Y. Plate or similar article. Des. 93,217; Sept. 4.
- Goodwin, John O., Akron, Ohio, assignor to Seiberling Rubber Company. Tire vulcanizing mold. 1,951,974; Mar. 20.
- Goodwin, Ralph T., Elizabeth, N. J., J. S. Rearick, Westport, Conn., and H. P. Ferguson, Paterson, N. J., assignors to The Dorr Company, Inc., New York, N. Y. Wood preservative. 1,976,221; Oct. 9.
- Goodwin, Vernon D., Emporium, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device. 1,974,916; Sept. 25.
- Goodyear, Charles H., Portland, Oreg. One-piece braced egg carton. 1,972,622; Sept. 4.
- Goodyear, Charles H., assignor of one-half to F. C. Stettler, Portland, Oreg. Knockdown basket and similar container. 1,954,201; Apr. 10.
- Goodyear, Charles H., assignor of one-half to F. C. Stettler, Portland, Oreg. Crush resisting egg carton. 1,954,202; Apr. 10.
- Goodyear, Edward J., Wilkesburg, Pa. Piston ring. 1,977,990; Oct. 23.
- Goodyear, Ernest F., Moxhall Park, Wishaw, J. Wright, Stoke Park, Coventry, and H. Trevasakis, Keresley, Coventry, assignors to Dunlop Rubber Company Limited, London, England. Control for aircraft and other vehicles. 1,964,383; June 26.
- Goodyear, Ernest F., Moxhall Park, Wishaw, and J. Wright, Stoke Park, Coventry, assignors to Dunlop Rubber Company Limited, Fort Dunlop, England. Aeroplane wheel. 1,968,076; July 31.
- Goodyear, Ernest F., Moxhall Park, Wishaw, and J. Wright, Stoke Park, Coventry, assignors to Dunlop Rubber Company Limited, London, England. Wheel brake. 1,983,751; Dec. 11.
- Goodyear Tire & Rubber Company, The. (See De Mattia, Barthold, assignor.)
- Goodyear, William H., Carlisle, Pa. Shoe. Des. 93,470; Oct. 2.
- Goodyear's India Rubber Glove Manufacturing Co. (See Manville, Henrietta P., assignor.)
- Goodyear's India Rubber Glove Mfg. Company, The. (See Marr, Robert B., assignor.)
- Goodyear's India Rubber Glove Mfg. Company, The. (See McCrohan, John A., assignor.)
- Goodyear's India Rubber Glove Mfg. Company, The. (See McGee, Howard H., assignor.)
- Goodyear's India Rubber Glove Manufacturing Company. (See Ostling, C. A., and Zonino, assignors.)
- Goodyear's India Rubber Glove Manufacturing Co., The. (See Patten, Ernest L., assignor.)
- Goodyear's India Rubber Glove Mfg. Company, The. (See Randall, Chester J., assignor.)
- Goodyear's India Rubber Glove Manufacturing Company, The. (See Shipping, Charles A., assignor.)
- Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Eyelet. 1,976,776; Oct. 16.
- Gookin, William C., Wayne, and E. P. Young, Swarthmore, Pa.; said Young assignor to said Gookin. Manifolding device. 1,950,982; Mar. 13.
- Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrically lighted floor cleaner. Re19,290; Aug. 28.
- Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric sewing machine. Des. 91,816; Mar. 27.
- Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine lighting device. 1,955,284; Apr. 17.

- Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric sewing machine. 1,975,744; Oct. 2.
- Goosmann, Justus C., Mount Vernon, assignor to American Dryice Corporation, New York, N. Y. Solid carbon dioxide converter. 1,943,820; Jan. 16.
- Goosmann, Justus C., Mount Vernon, N. Y., assignor, by mesne assignments, to Adico Development Corporation, Solid carbon dioxide machine. 1,976,777; Oct. 16.
- Gora, Henry, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Rotary cutter. 1,950,920; Mar. 13.
- Gora, Henry, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Rotary cutter. 1,957,882; May 8.
- Gora, John. (See Decker, A. J., and Gora.)
- Gorandio, Stanley, Philadelphia, Pa., assignor to Wilson & Co. Distillation and purification of fatty acids. 1,951,241; Mar. 13.
- Goranson, David. (See Goranson, Hjalmar and D.)
- Goranson, Hjalmar and D., Sunnyvale, assignors to California Packing Corporation, San Francisco, Calif. Flower end cutter for fruit peeling machines. 1,950,791; Mar. 13.
- Goranson, Robert E., South St. Paul, Minn. Portable scaffold. 1,961,967; June 5.
- Gorbatschewsky, Alexis, Viroflay, France. Calculating machine. 1,974,239; Sept. 18.
- Gorder, Roy M., Longmont, Colo. Producing dental models. 1,961,609; June 5.
- Gordon, Abraham, Chicago, Ill. Ear protector. 1,945,110; Jan. 30.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin release for weft replenishing looms. 1,953,648; Apr. 3.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness motion and pattern control therefor. 1,961,042; May 29.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutting mechanism for weft replenishing looms. 1,970,743; Aug. 21.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom stopping mechanism. 1,977,057; Oct. 16.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing mechanism for automatic looms. 1,982,249; Nov. 27.
- Gordon, Alfred L. (See Gordon, Arthur M. and A. L.)
- Gordon, Arthur, assignor to G. H. Dubin, Chicago, Ill. Waste trap. 1,959,623; May 22.
- Gordon, Arthur M. and A. L., Cleveland, Ohio. Calendar or similar article. Des. 92,652; July 3.
- Gordon, Beirne, jr., assignor to Skenandoo Rayon Corporation, Utica, N. Y. Method and apparatus for manufacturing artificial silk. 1,973,953; Sept. 18.
- Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Fluid heater and operating same. 1,959,100; May 15.
- Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Antislugging superheater boiler. 1,963,741; June 19.
- Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Coating. 1,969,003; Aug. 7.
- Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Superheater boiler. 1,972,143; Sept. 4.
- Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Fluid heater. 1,973,377; Sept. 11.
- Gordon, Charles W., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Superheater. 1,983,364; Dec. 4.
- Gordon, Charles W., and T. F. Birmingham, Hammond, Ind., assignors to The Superheater Company, New York, N. Y. Making tubular superheater elements. 1,964,051; June 26.
- Gordon, Chester S., Boonton, and E. M. Honan, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric conductor. 1,976,847; Oct. 16.
- Gordon, Clara H., assignor of one-half to Paula Strauss, New York, N. Y. Glove. Des. 92,957; Aug. 7.
- Gordon, David D., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Electric socket. 1,944,342; Jan. 23.
- Gordon, Emmett R., assignor to Mathias Klein & Sons, Chicago, Ill. Buckle for lineman's belts. 1,980,678; Nov. 13.
- Gordon & Ferguson Company. (See Knox, Alonzo R., assignor.)
- Gordon, George B., Brooklyn, and H. A. C. Dahl, Bayport, N. Y., assignors to American Telephone and Telegraph Company. Wire support. 1,964,849; July 3.
- Gordon, George S., Auckland, New Zealand. Pulsator releaser for milking machines. 1,952,544; Mar. 27.
- Gordon, Graham M., assignor to Viber Company, Limited, Los Angeles, Calif. Method of and apparatus for compacting and dewatering cementitious mixtures. 1,945,145; Jan. 30.
- Gordon, Hans G., assignor to Aero Advertising Company Limited, Toronto, Ontario, Canada. Sky sign. 1,973,205; Sept. 11.
- Gordon, Hayner H., Washington, D. C., assignor to Lite Watchman Corporation, New York, N. Y. Lighting system for automotive vehicles. 1,945,528; Feb. 6.
- Gordon, Hayner H., Washington, D. C., assignor to Lite Watchman Corporation, New York, N. Y. Headlight system for automotive vehicles. 1,947,043; Feb. 13.
- Gordon, Hiram, Columbus, Ohio. Insole for corrective shoes. 1,984,576; Dec. 18.
- Gordon, Hiram, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Insole for shoes and forming same. 1,981,101; Nov. 20.
- Gordon, Howard D. and W. W. Hazardville, Conn. Carbonization of wool. 1,984,794; Dec. 18.
- Gordon, John, Winnipeg, Manitoba, Canada, assignor to J. Stone & Company Limited, Deptford, England. Driving of auxiliary apparatus on railway vehicles. 1,944,599; Jan. 23.
- Gordon, John H., Riverside, Calif. Post anchor and protector. 1,983,850; Dec. 11.
- Gordon, Julius G., assignor of one-fourth to P. Meinardi, Yakima, Wash. Reciprocating mechanism. 1,961,349; June 5.
- Gordon, Lloyd C., St. Paul, Minn. Making a spray nozzle. 1,979,104; Oct. 30.
- Gordon, Louis J. (See Bradbury, Clifford C., assignor.)
- Gordon, Philip C., Jersey City, N. J., assignor to Doherty Research Company, New York, N. Y. Gas turbine. 1,960,810; May 29.
- Gordon, Philippi, Roscoe, Calif. Balanced sprinkler bearing. 1,977,763; Oct. 23.
- Gordon, R. M., & Company. (See Gordon, Robert M., assignor.)
- Gordon, Robert M., Carnegie, Pa., assignor to R. M. Gordon & Company. Lubrication system. 1,953,222; Apr. 3.
- Gordon, Walter A., Garden City, and D. J. O'Neil, New York, N. Y., assignors to American Telephone and Telegraph Company. Binder. 1,942,547; Jan. 9.
- Gordon, William A., Shelton, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Strainer. 1,956,720; May 1.
- Gordon, William G. G., New York, N. Y. Combined piston and ring structure. 1,984,409; Dec. 18.
- Gordon, William W. (See Gordon, Howard D. and W. W.)
- Gore, Herbert C. (See Józsa, S., and Gore.)
- Gore, Herbert C., Scarsdale, and C. N. Frey, New York, N. Y., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Treating food materials. 1,953,754; Apr. 3.
- Gore-Lloyd, Edmund, Shepperton-on-Thames, England. Vacuum-sealing of canister, bottle, jar, and like container. 1,985,788; Dec. 25.
- Görg, Heinrich, Detroit, Mich. Clamping chuck for tools. 1,946,158; Feb. 6.
- Gorgas, Johan F., Bergen, Norway. Painting brush. 1,954,699; Apr. 10.
- Gorham Mfg. Co. (See Feinauer, George A., assignor.)
- Gorham Mfg. Co. (See Woodward, Frederick R., assignor.)
- Gorham, Walter G. (See Murphy, E. A., and Gorham.)
- Gorham, Walter G., Erdington, Birmingham, assignor to Dunlop Rubber Company, Limited, London, England. Upholstery article and producing the same. 1,952,163; Mar. 27.
- Gorhan, Adolf, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Weissfrauen, Frankfurt-on-the-Main, Germany. Apparatus for producing anhydrous ethyl alcohol directly from mash and the like. 1,946,020; Feb. 6.
- Gorhan, Adolf, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of alcohol free from fusel oil. 1,982,988; Dec. 4.
- Gorhan, Adolf, Liesing, near Vienna, Austria, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of water-free alcoholic liquid mixtures. 1,982,989; Dec. 4.
- Gorin, Frederick P., Seattle, Wash., assignor, by mesne assignments, to Elliott-Fisher Company. Motor return mechanism for typewriters. 1,943,431; Jan. 16.
- Gorman, James C., Mansfield, Ohio. Ash tray. 1,953,755; Apr. 3.
- Gorman, William J., assignor to The Fafnir Bearing Company, New Britain, Conn. Chuck. 1,985,446; Dec. 25.
- Gornall, Robert F. (See Johnson, Theodore G., assignor.)
- Gorretta, Andrew, Cleveland, Ohio. Fuel supply control apparatus. 1,977,336; Oct. 16.
- Gorse, William F., Altrincham, and R. H. Scott, Enfield, assignors to Linotype and Machinery Limited, London, England. Galley mechanism for typographical line casting machines. 1,952,797; Mar. 27.
- Gorsline, Samuel G., River Forest, Ill., assignor to J. P. Dowell, McKinney, Tex. Can sealing machine. 1,953,597; Apr. 3.
- Gorsuch, Edgar H., assignor to Corduroy Rubber Company, Grand Rapids, Mich. Tire. Des. 91,777; Mar. 20.
- Gorsuch, Howard F., and P. Dupre, Mansfield, Ohio. Hydraulic hoist control. 1,971,651; Aug. 28.
- Gorsuch, Howard F., and C. B. Dupre, assignors of one-third to P. Dupre, Mansfield, Ohio. Hydraulic motor. 1,974,775; Sept. 25.
- Gorsuch, Robert A. (See Bomberger, G. E., and Gorsuch.)
- Gorton, Erwin C. (See Hueber, H., and Horton.)
- Gorton, George, Racine, Wis. Routing and the like machine. 1,959,269; May 15.
- Gorton, George, and P. M. Henkes, Racine, Wis.; said Henkes assignor to said Gorton. Engraving machine. 1,964,319; June 26.

- Gorton, George, Machine Company. (See Horner, George assignor.)
- Gosch, Jacob B., New Rochelle, N. Y., assignor to Florida Cane Products Corporation, Miami, Fla. Aging and maturing raw alcoholic liquors. 1,963,165; June 19.
- Goserud, Chester O., St. Paul, Minn. Combination storm sash operator and fastener. 1,985,088; Dec. 18.
- Goserud, Chester O., St. Paul, Minn. Sash operator and fastener. 1,985,089; Dec. 18.
- Goserud, Chester O., St. Paul, Minn. Storm sash operator and fastener. 1,985,090; Dec. 18.
- Goshaw, Irl R., Nutley, N. J., assignor to Wired Radio, Inc., New York, N. Y. Binaural address system. 1,978,456; Oct. 30.
- Goshaw, Irl R., Nutley, N. J., assignor to Wired Radio, Inc., New York, N. Y. Television system. 1,979,463; Nov. 6.
- Gosland, Leslie. (See Whitney, W. B., Wedmore, and Gosland.)
- Goslee, Earl S., Windsor, assignor to Hartford Machine Screw Company, Hartford, Conn. Valve assembly. 1,966,294; July 10.
- Gosliner, Elkan, San Francisco, Calif. Device for producing smoke rings. 1,945,852; Feb. 6.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Cabinet for an air conditioning unit or similar article. Des. 92,958; Aug. 7.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Cabinet for an air conditioning unit or similar article. Des. 92,959; Aug. 7.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting standard. Des. 93,099; Aug. 21.
- Gosman, Osher, Vineland, N. J. Sewing machine attachment. 1,941,858; Jan. 2.
- Goss & De Leeuw Machine Company, The. (See Hauck, H. J., and Goss, assignors.)
- Goss, Emory Fox, and B. W. Hammer, assignors to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Curing cheese. 1,974,847; Sept. 25.
- Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for making boxes. 1,959,235; May 15.
- Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Gluer. 1,981,038; Nov. 20.
- Goss, Harry T., Rutherford, N. J., assignor to L. N. S. Corporation, New York, N. Y. Fluid dispensing. 1,953,598; Apr. 3.
- Goss, John C., and H. L. Crispin, Pittsburgh, Pa. Tuyère. 1,946,850; Feb. 13.
- Goss, John C., and H. L. Crispin, Pittsburgh, Pa. Fuel agitator. 1,960,778; May 29.
- Goss, Leroy E. (See Gakle, W. E., Goss, and Kollinger.)
- Goss, Norman P., assignor to The Cold Metal Process Company, Youngstown, Ohio. Electrical sheet and method and apparatus for its manufacture and test. 1,965,559; July 3.
- Goss, Oliver P. M., Seattle, assignor to Carlisle Lumber Company, Onalaska, Wash. Automobile loading block. 1,971,402; Aug. 28.
- Goss, Oliver P. M., and W. C., Seattle, Wash., assignors to Carlisle Lumber Company. Boring machine. 1,973,204; Sept. 1.
- Goss, Oliver P. M., and W. C., Seattle, Wash., assignors to Carlisle Lumber Company. Woodworking machine. 1,973,757; Sept. 18.
- Goss, Oliver P. M., and W. C., Seattle, assignors to Carlisle Lumber Company, Onalaska, Wash. Patched lumber. 1,976,722; Oct. 16.
- Goss, Oliver P. M., and W. C., Seattle, Wash., assignors to Carlisle Lumber Company. Machine for drying and powdering wood waste. 1,985,259; Dec. 25.
- Goss, Philip S., Portland, Oreg. Primer valve. 1,970,744; Aug. 21.
- Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
- Goss Printing Press Company, The. (See Cox, Paul F., assignor.)
- Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)
- Goss Printing Press Company, The. (See Durham, Hobart N., assignor.)
- Goss Printing Press Company, The. (See Fankboner, Harland, assignor.)
- Goss Printing Press Co., The. (See Foster, F. A., and Armstrong, assignors.)
- Goss Printing Press Company, The. (See Richter, Charles J., assignor.)
- Goss Printing Press Company, The. (See Smith, Ernest J., assignor.)
- Goss, Stanley T. (See Hauck, H. J., and Goss.)
- Goss, Worth C. (See Goss, Oliver P. M., and W. C.)
- Goss, Worth C., Seattle, Wash. Humidity sensitive instrument. 1,970,745; Aug. 21.
- Gossard, H. W., Company, The. (See Wipperman, Hildegard, assignor.)
- Gosselink, John G. (See Richter, G. A., and Gosselink.)
- Gossiau, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft Siemensstadt, near Berlin, Germany. Internal combustion engine electric generating set. 1,972,441; Sept. 4.
- Gossiau, Fritz, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Internal combustion engine. 1,975,600; Oct. 2.
- Gossler, Fred F., New Bedford, Mass. Sliding valve. 1,964,663; June 26.
- Gossler, Oscar, Hamburg, Germany. Method and apparatus for making glass yarn. 1,954,732; Apr. 10.
- Gossling, Brian S., and E. C. S. Megaw, assignors to The M-O Valve Company Limited, London, England. Electric discharge tube oscillation generator. 1,976,778; Oct. 16.
- Goth, Erich, Wuppertal-Elberfeld, F. Keyser, Wuppertal-Hammerstein, and M. Kühn, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Halogenated ethanol. 1,979,614; Nov. 6.
- Gotham Pressed Steel Corporation. (See Anderson, Charles A., assignor.)
- Gotham Silk Hosiery Company. (See Tobin, Clarke W., assignor.)
- Gotham, Stephen J., assignor of one-half to R. W. Thomas, Fall River, Mass. Pedal supported circuit closer for motor vehicles. 1,949,568; Mar. 6.
- Gothe, Albrecht, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directional antenna arrangement. 1,964,570; June 26.
- Gothe, Albrecht, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna arrangement. 1,965,184; July 3.
- Goto, Kan-ichiro. (See Suganuma, K., and Goto.)
- Gotshall, Robert W., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Providing grouser type track shoes. 1,952,545; Mar. 27.
- Gottesman, Benjamin, Boston, Mass. Holder and dispenser for plastic materials. 1,961,759; June 5.
- Gottesman, George S. (See Mansfield, N. F., and Gottesman.)
- Gottfried, Carl A., Grand Rapids, Mich. Thermos bathtub. 1,941,832; Jan. 2.
- Gottfried, John, New Haven, assignor to B. & G. Coin Selectors, Incorporated, Bridgeport, Conn. Coin selecting device. 1,956,066; Apr. 24.
- Gottfried, John, Brooklyn, and C. H. Duell, assignors to International Cosmetic Company, Inc., New York, N. Y. Dispensing device and dispensing articles. 1,963,521; June 19.
- Gotti, Pietro, Genoa, Italy. Tensioning device for wires, cables and the like. 1,952,668; Mar. 27.
- Gottlieb, David, Chicago, Ill. Game apparatus. Des. 93,767; Nov. 6.
- Gottlieb, Hans B. (See Adler, H., and Gottlieb.)
- Gottlieb, Hans B. (See Gubelmann, I., Weiland, and Gottlieb.)
- Gottlieb, Isider, New York, N. Y. Dress. Des. 93,615; Oct. 16.
- Gottlieb, Jacob, Gastonia, N. C. Treating yarn. 1,977,306; Oct. 16.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 91,620; Feb. 27.
- Gottlieb, Joseph, Jersey City, N. J. Combined clock case and lamp or similar article. Des. 91,621; Feb. 27.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 91,817; Mar. 27.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 92,128; May 1.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 92,129; May 1.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 92,246; May 15.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 92,599; June 26.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 92,719; July 10.
- Gottlieb, Joseph, Jersey City, N. J. Clock case or similar article. Des. 93,343; Sept. 18.
- Gottlieb, Joseph, Brooklyn, N. Y. Synchronous motor for driving electrical clocks and the like. 1,962,653; June 12.
- Gottlieb, Oscar F., and R. A. Sandberg, Waukegan, assignors to Oakes Products Corporation, North Chicago, Ill. Surface finishing of metal. 1,984,527; Dec. 18.
- Gottlieb, Oscar F., and R. A. Sandberg, Waukegan, assignors to Oakes Products Corporation, North Chicago, Ill. Apparatus for the surface finishing of metal. 1,984,528; Dec. 18.
- Gottlieb, Stella A., New York, N. Y. Container. 1,970,451; Aug. 14.
- Gottlieb, William, Sparrowbush, N. Y. Windshield warmer. 1,958,851; May 15.
- Gottsch, John W., Fontana, Calif. Hen's nest. 1,942,056; Jan. 2.
- Gottschalk, Fritz, Berlin, Germany, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Radioreceiver. 1,972,189; Sept. 4.
- Gottschalk, Heinrich, et al. (See Kochling, Paul F. A., assignor.)
- Gottschalk, John W., Philadelphia, Pa. Metallic rope. 1,976,491; Oct. 9.
- Gottschalk, Otto, Buenos Aires, Argentina. Apparatus used in the formation of models of building structures. 1,980,332; Nov. 13.
- Gottwald, Christian, Cleveland Heights, assignor to The Ric-Wil Company, Cleveland, Ohio. Water repellent packing material and conduit. Re19,302; Sept. 4.
- Goucher, Frederick S., Summit, N. J., and C. J. Christensen, Flushing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance varying material. 1,973,703; Sept. 18.

- Goudard, Maurice, assignor to Société Anonyme "Solex", Neuilly-sur-Seine, France. Carburetor. 1,958,818; May 15.
- Goudet, Hugues. (See Bethenod, J., and Goudet.)
- Gouge, Clyde O. (See Jones, Jesse S., assignor.)
- Gough, Frank, Oklahoma City, Okla. Apparatus for automatically equalizing brakes. 1,962,989; June 12.
- Gough, Frank, Oklahoma City, Okla., assignor of one-third to W. H. Ferguson and one-third to C. E. Olander. Apparatus for automatically equalizing brakes. 1,970,696; Aug. 21.
- Gough, Fred J., and B. T. Ballard, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Foam cell. 1,955,123; Apr. 17.
- Gough, Gale R., et al. (See Calkins, Leslie B., assignor.)
- Gough, Harold, assignor to The British Cotton & Wool Dyers' Association Limited, Manchester, England. Machine for dyeing yarn. 1,943,175; Jan. 9.
- Gough, Harry E., Ozone Park, N. Y. Hat block construction. 1,945,368; Jan. 30.
- Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Shaded-pole induction motor. 1,943,270; Jan. 9.
- Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Oscillating electric fan. 1,971,373; Aug. 28.
- Gough, Joseph, Newark, N. J., assignor to Gough Stemming Machine Corporation, New York, N. Y. Mechanism for treating leaves. 1,973,806; Sept. 18.
- Gough Stemming Machine Corporation. (See Gough, Joseph, assignor.)
- Gould, Alexander, Westfield, N. J., and H. G. Olena, assignors to Gould & Olena, Inc., New York, N. Y. Spray pump construction. 1,984,340; Dec. 11.
- Gould & Olena, Inc. (See Gould, A., and Olena, assignors.)
- Gould Coupler Company, The. (See Barrows, Donald S., assignor.)
- Gould Coupler Company, The. (See Davis, Donald C., assignor.)
- Gould Coupler Company, The. (See Davis, D. C., and Clark, assignors.)
- Gould Coupler Company, The. (See Richards, Willard F., assignor.)
- Gould Coupler Company, The. (See Suckow, Fred G., assignor.)
- Gould & Eberhardt. (See Zimmermann, William F., assignor.)
- Gould, Frederick C., Westway, Edgware, and T. Harrison, Golders Green, London, assignors to Nevett Limited, London, England. Bookbinding. 1,980,267; Nov. 13.
- Gould, George E. (See Pratt, L. A., and Gould.)
- Gould, Herman, Brooklyn, and F. Ackerman, Bronx, N. Y. Hot stamping device. 1,978,790; Oct. 30.
- Gould, Herman, Brooklyn, and F. Ackerman, Bronx, N. Y. Roll leaf imprinting machine for leather goods. 1,982,158; Nov. 27.
- Gould, Lawrence E., assignor to Economy Electric Devices Co., Chicago, Ill. Fuel feed system. 1,968,293; July 31.
- Gould, Louis E., Peace Dale, R. I. Perpetual calendar. 1,971,854; Aug. 28.
- Gould, Ralph E., Los Angeles, Calif. Carburetor. 1,982,291; Nov. 27.
- Gould, Roberta M., New York, N. Y. Earring retainer. 1,971,216; Aug. 21.
- Gould Storage Battery Corporation. (See Bell, Charles W., assignor.)
- Gould Storage Battery Corp. (See Booss, Frederick E. E., assignor.)
- Gould Storage Battery Corporation. (See Chamberlain, Rufus N., assignor.)
- Gould Storage Battery Corp. (See Gibbin, Edward F.)
- Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread cutter device for sewing machines. 1,985,605; Dec. 25.
- Gouldbourn, Joseph, F. Ricks, and W. T. B. Roberts, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,949,539; Mar. 6.
- Goulder, James, assignor to David Brown & Sons, (Huddersfield) Limited, Huddersfield, England. Apparatus for testing the accuracy of gear teeth. 1,961,663; June 5.
- Goulds Pumps, Inc. (See Bracht, John C., assignor.)
- Goulouze, Martin J., Grand Rapids, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerator. 1,955,910; Apr. 24.
- Goulstone, James P., South Melbourne, Victoria, Australia. Manufacture of vari-colored ice cream and like frozen food products. 1,951,694; Mar. 20.
- Gourley, David S., Lynchburg, Va. Alarm mechanism for clocks. 1,943,598; Jan. 16.
- Gourley, William J., and F. H. Barney, Fort Worth, Tex. C-link and lock therefor. 1,966,665; July 17.
- Gouverneur, Minor F. H., Baltimore, Md. Electric oven. 1,959,358; May 22.
- Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Vibrating plunging machine. 1,978,627; Oct. 30.
- Goway, Harry P., and F. M. M. B. Salomon, Paris, France. Cam. 1,979,195; Oct. 30.
- Gove, Winfield D., assignor to General Motors Research Corporation, Detroit, Mich. Friction transmission. 1,947,044; Feb. 13.
- Government and People of the United States of America, The. (See Henry, Arthur M., assignor.)
- Government and the People of the United States. (See Gaus, George E., assignor.)
- Government and the People of the United States, Free use of the. (See Goldsworthy, Marion C., assignor.)
- Government and the People of the United States of America. (See Berghausen, John F., assignor.)
- Government and the People, The free use of the. (See Jones, Howard A.)
- Government of the United States. (See Boesch, Harry L., assignor.)
- Government of the United States. (See Isbell, Horace S., assignor.)
- Government of the United States. (See Martin, Ralph, assignor.)
- Government of the United States. (See Shepard, Edgar R., assignor.)
- Government of the United States, The. (See Weick, Fred E.)
- Government of the United States of America, as represented by Tennessee Valley Authority. (See Zwinak, John V., assignor.)
- Government of the United States represented by the Secretary of Commerce. (See Diamond, Harry, assignor.)
- Government of the United States, represented by the Secretary of Commerce. (See Isbell, Horace S., assignor.)
- Government of the United States, The, represented by the Secretary of Commerce, et al. (See Isbell, Horace S., assignor.)
- Govers, Francis X. (See Bryant, G. R., and Govers.)
- Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Extraction and dewaxing of lubricating oils. 1,945,350; Jan. 30.
- Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Condenser. 1,953,678; Apr. 3.
- Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Heat transfer tube. 1,958,364; May 8.
- Govers, Francis X., Vincennes, Ind., assignor to The Indian Refining Company, Lawrenceville, Ill. Vacuum distillation of liquids. 1,959,714; May 22.
- Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Manufacture of lubricating oil and paraffin wax. 1,964,985; July 3.
- Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Pyrolysis of hydrocarbons. 1,971,748; Aug. 28.
- Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Refining mineral oil. 1,974,621; Sept. 11.
- Govett, Agnes H., et al., executors. (See Govett, Ernest.)
- Govett, Ernest, assignor to Govett, Ltd., New York, N. Y. Photographic emulsion and making same. 1,982,802; Dec. 4.
- Govett, Ernest H., et al., executors. (See Govett, Ernest.)
- Govett, Ernest, deceased, by E. H. and A. H. Govett, executors; said E. Govett assignor to Govett, Ltd., New York, N. Y. Colloidal halide and making the same. 1,951,354; Mar. 20.
- Govett, Ernest, deceased, by E. H. and A. H. Govett, executors; said E. Govett assignor to Govett, Ltd., New York, N. Y. Colloidal bromine and making the same. 1,951,355; Mar. 20.
- Govett, Ernest, deceased, by E. H. and A. H. Govett, executors; said E. Govett assignor to Govett, Ltd., New York, N. Y. Colloidal bromide and making the same. 1,951,356; Mar. 20.
- Govett, Ltd. (See Govett, Ernest, assignor.)
- Goyena, Manuel G., Manila, P. I. Match book. 1,950,051; Mar. 6.
- Goyett, Warner L., Canon City, Colo. Puncture or low pressure signal for pneumatic tires. 1,952,164; Mar. 27.
- Goytiso, Ignacio, Barcelona, Spain. Shock-absorber suitable for automobiles and other vehicles. 1,960,150; May 22.
- Grafen, Ferdinand, Zwickau, Germany. Furnace grate. 1,975,601; Oct. 2.
- Grabbe, Dietrich, Babylon, N. Y. Auxiliary fueling for internal combustion motors. 1,970,425; Aug. 14.
- Grabbe, George K., Libertyville, Ill. Free shift transmission. 1,962,271; June 12.
- Grabelsky, Abraham, New York, N. Y. Edgeglass mounting. 1,982,096; Nov. 27.
- Grabill, John D., Woodstock, Va. Grading machine for fruits and vegetables. 1,968,939; Aug. 7.
- Grabill, John D., Woodstock, Va. Fruit cleaning and polishing machine. 1,975,687; Oct. 2.
- Grable, Minnie K. (See Ebert, Lyda G.)
- Grable, Minnie K. (See Ebert, L., and Grable.)
- Grabler Manufacturing Company, The. (See McCabe, Frank E., assignor.)
- Grabler Manufacturing Company, The. (See Neilon, Patrick J., assignor.)
- Grace, Richard W., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Spring contact. 1,952,372; Mar. 27.
- Grace, William E., Dallas, Tex. Pavement signal. Des. 91,622; Feb. 27.
- Grade, Hans, Bork, near Zauch-Belzig, Germany. Three-wheeled vehicle body. 1,970,907; Aug. 21.
- Grademoy Corporation. (See Morris, T. L., and Grant, assignors.)
- Grademoy Corp. (See Symons, Loren G., assignor.)

- Grady, Charles B., West Orange, N. J., assignor to Metropolitan Engineering Company. Steam generating apparatus and method. 1,975,268; Oct. 2.
- Grady, J. H., Manufacturing Company. (See Clarke, J. W., and Grady, assignors.)
- Grady, John H. (See Clarke, J. W., and Grady.)
- Grady, Stephen S., Magnolia, N. C., assignor to Fusoid Electric Co., Inc. Circuit interrupter. 1,948,519; Feb. 27.
- Grady, Stephen S., Magnolia, N. C., assignor to Fusoid Electric Co., Inc. Circuit breaker. 1,956,194; Apr. 24.
- Grady, Thomas, and F. E. Wochley, Pittsburgh, Pa. Guard for valves. 1,947,081; Feb. 13.
- Graebner, Herman C. (See Alt, C. A., Graebner, and Moffett.)
- Graef, Jean R., Brooklyn, N. Y. Watch. Des. 93,390; Sept. 25.
- Graef, Russell C., Westfield, N. J. Building construction. 1,954,928; Apr. 17.
- Graenacher, Charles, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Cellulose solution. 1,943,176; Jan. 9.
- Graenacher, Charles, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Protein solution and new protein derivative and making same. 1,946,159; Feb. 6.
- Graesser, Carl F., assignor to United American Bosch Corporation, Springfield, Mass. Radioreceiver. 1,973,378; Sept. 11.
- Graesser, Carl H., Bridgeport, Conn., assignor to Consolidated Ashcroft Hancock Company, New York, N. Y. Fluid pressure system. 1,951,049; Mar. 13.
- Graf, Albert J., Westfield, N. J., assignor to Irving Trust Company, receiver in equity for R. Hoe & Co. Inc., New York, N. Y. Cylinder bearing for printing machines. 1,972,840; Sept. 4.
- Graf, Elmer J., Roselle Park, N. J. Illuminated ornamental device. 1,977,126; Oct. 16.
- Graf, Ernest, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Vent plug for storage batteries. 1,942,643; Jan. 9.
- Graf, Ernest, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Vent plug for storage batteries. 1,942,645; Jan. 9.
- Graf, Henry, Newburyport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wax thread sewing machine. 1,969,605; Aug. 7.
- Graf, John C., Philadelphia, Pa., assignor, by mesne assignments, to Baldwin-Southwark Corporation. Belt press. 1,968,826; Aug. 7.
- Graf, Martin, Konigsliutter, near Brunswick, Germany. Automatically secured belt and strap tightener. 1,955,542; Apr. 17.
- Graff Baker, William S., Cherry Hill, Higher Denham, England, assignor to Otis Elevator Company, New York, N. Y. Mechanical transmission system. 1,956,714; May 1.
- Graff, Ernest, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Making lead alloy castings. 1,949,372; Feb. 27.
- Graff, G. Omer, executrix. (See McDermott, John C.)
- Graff, George U., Washington, D. C. Pyrotechnic composition for producing brown smoke. 1,975,099; Oct. 2.
- Graff, George U., Washington, D. C. Pyrotechnic composition for producing orange smoke. 1,975,785; Oct. 9.
- Graff, Solomon. (See Sobie, J., Kaufman, and Graff.)
- Graftenberger, Friedrich, Milwaukee, Wis. Expandable mandrel. 1,973,980; Sept. 18.
- Graffis, Arthur M., deceased, Elkhart, Ind.; K. M. Graffis, executrix, assignor of thirty-five per cent to L. C. Vandierlip, Elkhart, Ind. Motor vehicle. 1,974,535; Sept. 25.
- Graffis, Kate M., executrix. (See Graffis, Arthur M.)
- Grafinger, Stephan C., Cleveland, Ohio. Dental plate brush. 1,951,050; Mar. 13.
- Grafton, Corydon M., Rochester, assignor to Foster D. Snell, Inc., Brooklyn, N. Y. Soap dispenser. 1,945,351; Jan. 30.
- Graham, Alan H., Upper Montclair, N. J. Bottle cap. 1,963,050; June 12.
- Graham, David P., assignor to Peabody Engineering Corporation, New York, N. Y. Method of and apparatus for regulating the viscosity of liquids. 1,975,937; Oct. 9.
- Graham, Floyd R., South Hadley Falls, assignor to American Tissue Mills, Holyoke, Mass. Paper making. 1,958,750; May 15.
- Graham, Frank A. (See Green, E. F., and Graham.)
- Graham, George A., Oceanport, N. J. Printing telegraphy. 1,960,242; May 29.
- Graham, George C. (See Crane, Newton, assignor.)
- Graham, George M., assignor to Kent-Moore Organization, Detroit, Mich. Pilot for valve seating cutters. 1,960,905; May 29.
- Graham, Gerald J., Chicago, Ill. Bottle. Des. 92,532; June 19.
- Graham, Gerald J., Chicago, Ill. Bottle. Des. 92,533; June 19.
- Graham, Harold, Pomona, assignor to Patco, Inc., Los Angeles, Calif. Teapot or similar article. Des. 93,391; Sept. 25.
- Graham, Harold, Pomona, assignor to Patco, Inc., Los Angeles, Calif. Sugar bowl or similar article. Des. 93,392; Sept. 25.
- Graham, Harold, Pomona, assignor to Patco, Inc., Los Angeles, Calif. Cream pitcher or similar article. Des. 93,393; Sept. 25.
- Graham, Harold J., Boston, Mass. Elevator and like apparatus. 1,970,304; Aug. 14.
- Graham, Harold M., assignor, by mesne assignments, to Ross Heater & Mfg. Co. Inc., Buffalo, N. Y. Vacuum producing equipment. 1,945,973; Feb. 6.
- Graham, Harold M., assignor, by mesne assignments, to Ross Heater & Mfg. Co. Inc., Buffalo, N. Y. Method of and apparatus for distillation of oil. 1,961,211; June 5.
- Graham, Harold M., assignor to Ross Heater & Mfg. Co., Inc., Buffalo, N. Y. Refrigerating apparatus. 1,961,212; June 5.
- Graham, Harold M., assignor to Ross Heater & Mfg. Co. Inc., Buffalo, N. Y. Refrigerating apparatus. 1,974,741; Sept. 25.
- Graham, Harold M., assignor, by mesne assignments, to Ross Heater & Manufacturing Company Inc., Buffalo, N. Y. Vacuum producing apparatus. 1,980,398; Nov. 13.
- Graham, Harry C., Coraopolis Heights, Pa. Fastening device. 1,955,062; Apr. 17.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Electrical receptacle. 1,955,285; Apr. 17.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Bus ventilator. 1,983,979; Dec. 11.
- Graham, Herbert J., and L. A. Darling, assignors to Electric Service Supplies Company, Philadelphia, Pa. Bearing mounting. 1,957,062; May 1.
- Graham, Herbert W., and S. L. Case, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Free cutting steel. 1,959,758; May 22.
- Graham, Hubert B., London, and S. F. Warren, Harrow, England. Fire extinguisher. 1,980,051; Nov. 6.
- Graham, James E., Needham, and E. M. Lines, Dedham, assignors to Bird & Son, Inc., East Walpole, Mass. Floor covering and method. 1,971,036; Aug. 21.
- Graham, James E., Newton, and E. M. Lines, Dedham, assignors to Bird & Son, Inc., East Walpole, Mass. Rug cushion. 1,971,780; Aug. 28.
- Graham, James M., National Military Home, Ohio. Musculo-tone meter. 1,959,580; May 22.
- Graham, John H., Pittsburgh, Pa. Brake for revolving doors. 1,947,845; Feb. 20.
- Graham, Leon L., Chicago, Ill., assignor to Bendix-Cowdrey Brake Tester, Inc., Dover, Del. Automobile brake testing device. 1,957,455; May 8.
- Graham, Leon L., Chicago, Ill., assignor to Bendix-Cowdrey Brake Tester, Inc., Dover, Del. Automobile brake testing device. 1,958,390; May 8.
- Graham, Louis A., Milwaukee, Wis. Calculating device. 1,962,866; June 12.
- Graham, Malcolm K., Graham, Tex. Sleeping porch curtain. 1,942,474; Jan. 9.
- Graham, Matthew P. (See Hufferd, G. H., and Graham.)
- Graham, Matthew P., assignor to Thompson Products Incorporated, Detroit, Mich. Forming solid ends on metal tubing. 1,964,258; June 26.
- Graham, Maurice H., St. Louis Park, Minn. Automatic toaster. 1,984,063; Dec. 11.
- Graham, Robert L., McAlester, Oklahoma, assignor to F. W. Fitch Company, Des Moines, Iowa. Shaving mug. 1,982,512; Nov. 27.
- Graham, Thomas, & Co. Inc. (See Ross, Taylor W., assignor.)
- Graham, Tom C., assignor to The Embossing Company, Albany, N. Y. Toy designing block. 1,973,564; Sept. 11.
- Graham, Tom C., and W. J. Fletcher, Albeury, N. Y. Block puzzle. Des. 93,344; Sept. 18.
- Graham, Virgil M., assignor to Stromberg-Carlson-Telephone Manufacturing Company, Rochester, N. Y. Signaling system. 1,971,605; Aug. 28.
- Graham, Walter A. (See Banks, W. H., jr., and Graham.)
- Graham, William G., Brooklyn, Pretoria, Transvaal, Union of South Africa. Animal-slaughtering apparatus. 1,980,679; Nov. 13.
- Graham, William S. (See Lindgren, A. C., and Graham.)
- Graham, William S., Canton, Ill., assignor to International Harvester Company. Lister planter attachment for tractors. 1,946,685; Feb. 13.
- Graham, William S., Canton, Ill., assignor to International Harvester Company. Furrow guide for tractors. 1,952,496; Mar. 27.
- Graham, William S., Tampa, Fla., assignor of one-third to C. L. Meister, Wilmington, N. C., and one-third to J. Grant, Tampa, Fla. Tool for boring and facing cylinders and the like. 1,953,402; Apr. 3.
- Graham, William S., and G. J. Olson, Canton, Ill., assignors to International Harvester Company. Lister cultivator attachment. 1,946,686; Feb. 13.
- Graham, William S., and J. Morkovski, Canton, Ill., assignors to International Harvester Company. Tractor controlled implement. 1,971,180; Aug. 21.
- Grahn, Bengt A. (See Sundblad, O. E. B., and Grahn.)
- Grain Machinery Company, The. (See Haines, George H., assignor.)
- Grajewski, George A. (See Selen, Edward J., assignor.)
- Gramann, Heinrich F. M., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 1,979,829; Nov. 6.
- Grammer, Allen L. (See Cole, H. C., and Grammer.)

- Grammes, L. F., & Sons, Inc. (See Weindel, Fred, Jr., assignor.)
- Gramophone Company Limited, The. (See Whitaker, Alfred, assignor.)
- Gränacher, Charles, Basel, and K. Meier, Zurich, Switzerland. Making ethers of cellulose and new products of this class. 1,973,478; Sept. 11.
- Grauat, Elie, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Ship's log. 1,962,070; June 5.
- Granat, Joseph, San Francisco, Calif. Ring ensemble. 1,982,864; Dec. 4.
- Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Automatic control for fluid metering systems. 1,948,984; Feb. 27.
- Granberg, Albert J., Berkeley, assignor to R. N. Brodie Company, Oakland, Calif. Fluid meter. 1,956,281; Apr. 24.
- Granberg, Albert J., Berkeley, assignor to R. N. Brodie Company, Oakland, Calif. Fluid meter. 1,956,282; Apr. 24.
- Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Fluid meter. 1,965,892; July 10.
- Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Liquid meter. 1,971,559; Aug. 28.
- Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Selector valve. 1,977,337; Oct. 16.
- Granberg Meter Corporation. (See Brubaker, Walter S., assignor.)
- Granbery, Dee T., deceased; James T. Franklin, Memphis, Tenn., administrator. Car coupler. 1,954,810; Apr. 17.
- Grandgent, Louis, assignor, by mesne assignments, to L. Grandgent, Freeport, and D. D. Demarest, Little Neck, N. Y. Door and operating means therefor. 1,946,970; Feb. 13.
- Grandjean, Charles, Nidau, Switzerland. Walking stick fishing rod. 1,972,518; Sept. 4.
- Grandjean, Georges, assignor to Isothermos Corporation of America, New York, N. Y. Journal bearing. 1,975,786; Oct. 9.
- Grandmason, Edward. (See Neidlinger, J. L., and Grandmason.)
- Grandone, Peter. (See Smith, H. M., Grandone, and Rall.)
- Grand Rapids Fibre Cord Company. (See Sackner, Wade E., assignor.)
- Grand Rapids Sample Case Company. (See Best, W. F., and Kremer, assignors.)
- Grand Rapids Store Equipment Company. (See Straayer, Martin J., assignor.)
- Grand Rapids Store Equipment Company. (See Welch, Kenneth C., assignor.)
- Graner, Wyman W., Hastings, Minn. Hand operated brake tester. 1,959,715; May 22.
- Granfield, John C., Pittsfield, Mass., assignor to General Electric Company. Assembling laminated magnetic cores. 1,952,917; Mar. 27.
- Grange, Leo O., assignor to W. J. Jarrett, Chicago, Ill. Retreader. 1,980,134; Nov. 6.
- Granger, Frederick S., Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Producing synthetic resin. 1,946,459; Feb. 6.
- Granger, Frederic S., Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Cold resinification of phenol alcohols. 1,956,550; Apr. 24.
- Grangers Manufacturing Company. (See Franke, Edward J., assignor.)
- Grangier, Emile L., and F. Niogret, Lyon, France. Arrangement for testing spark plugs. 1,976,988; Oct. 16.
- Granitz, Bartel, Leoben, Austria. Magnetic separation of materials. 1,948,419; Feb. 20.
- Granjon, Stéphane, St-Etienne Loire, France. Starting mechanism. 1,964,729; July 3.
- Granovsky, Albert A., New York, N. Y. Combination lamp and chair or similar article. Des. 92,465; June 12.
- Gransden, Lyle G., Edenville, Mich. Adjustable hinge. 1,949,252; Feb. 27.
- Granstand, John A. and L. A., Seattle, Wash. Folding table. 1,964,571; June 26.
- Granstand, Lloyd A. (See Granstand, John A., and L. A.)
- Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar wrapping device. 1,944,973; Jan. 30.
- Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Leaf transferring device in cigar machines. 1,952,546; Mar. 27.
- Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar wrapping mechanism. 1,966,548; July 17.
- Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Gripping device in machine for handling tobacco. 1,970,230; Aug. 14.
- Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Machine for producing tobacco portions of uniform size. 1,978,861; Oct. 30.
- Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar manufacturing apparatus and method. 1,982,292; Nov. 27.
- Grant, Albert E., New York, N. Y. Electric plug. Des. 92,466; June 12.
- Grant, Albert E., New York, N. Y. Nut. 1,957,042; May 1.
- Grant, Albert E., New York, N. Y. Electric plug construction. 1,961,484; June 5.
- Grant, Albert E., assignor to Kerant Corporation, New York, N. Y. Electric plug construction. 1,943,958; Jan. 16.
- Grant, Albert E., and A. L. Buschman, assignors to New York Merchandise Co. Inc., New York, N. Y. Electrical connecting plug. 1,976,779; Oct. 16.
- Grant, Andrew E. (See Dillon, R. E., Wellington, and Grant.)
- Grant, Benton H., et al. (See Wetherbee, Herbert E., assignor.)
- Grant, David S., Boston, Mass. Time indicator. 1,975,100; Oct. 2.
- Grant, Dudley H. (See Sankowsky, N. A., and Grant.)
- Grant, Dudley H., Berkeley Heights, N. J., assignor to Stanco, Incorporated. Insecticidal composition. 1,976,780; Oct. 16.
- Grant, Edwin J., Los Angeles, Calif. Apparatus for cutting materials. 1,953,299; Apr. 3.
- Grant, Edwin J., Los Angeles, Calif. Orienting oil wells and device therefor. 1,955,286; Apr. 17.
- Grant, Edwin J., Los Angeles, Calif. Method of and apparatus for orienting well-holes. 1,959,666; May 22.
- Grant, Edwin J., Los Angeles, Calif. Control device. 1,959,667; May 22.
- Grant, Edwin J., Los Angeles, Calif. Registering stop device. 1,981,231; Nov. 20.
- Grant, Garnet P., New York, N. Y. Operating mechanism for cameras. 1,946,687; Feb. 13.
- Grant, George J., Bristol, Quebec, Canada. Rectal syringe. 1,969,215; Aug. 7.
- Grant, Harry C., jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Voltage control. 1,967,303; July 24.
- Grant, Harry C., jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Air regulating means for liquid-fuel furnaces. 1,976,680; Oct. 9.
- Grant, Harry C., jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Air regulating means for liquid-fuel furnaces. 1,976,681; Oct. 9.
- Grant, Hazel B., Kansas City, Mo. Diaper. 1,971,606; Aug. 28.
- Grant, Horace E., St. Petersburg, Fla. Lamp fixture for headlights. 1,950,083; Mar. 6.
- Grant, James, et al. (See Graham, William S., assignor.)
- Grant, James E., and R. B. Davison, Chicago, Ill. Refrigerator control. 1,984,639; Dec. 18.
- Grant, Jim A., New York, N. Y. Scutching and cleaning machine. 1,950,403; Mar. 13.
- Grant, John. (See Campbell, Stewart L., assignor.)
- Grant, John E., Manila, P. I., assignor to M. T. Yates, New York, N. Y. Tropical concrete construction. 1,970,561; Aug. 21.
- Grant, Leo B. and O. E., assignors to The Dow Chemical Company, Midland, Mich. Magnesium base die casting alloys. 1,946,069; Feb. 6.
- Grant Manufacturing and Machine Co., The. (See Heilman, Frank A., assignor.)
- Grant, Marie P., New York, N. Y. Freezing container for frozen food products. 1,956,322; Apr. 24.
- Grant, Otis E. (See Grant, Leo B. and O. E.)
- Grant, Richard F., et al. (See Wetherbee, Herbert E., assignor.)
- Grant, Richard S., Akron, assignor to The Jaitte-Grant Display Bag Company, Cleveland, Ohio. Display window bag. 1,970,848; Aug. 21.
- Grant, Robert S., Providence, R. I. Drawing implement. Des. 93,979; Dec. 4.
- Grant, Wheadon M., Birmingham, Ala. Reducing metals from oxidized materials. 1,969,264; Aug. 7.
- Grant, William A. (See Morris, T. L., and Grant.)
- Grapp, William L., Belgrade, Mill. Mattress and the like and manufacturing the same. 1,942,693; Jan. 9.
- Graseby, Robert C., Westminster, London, England. Relay apparatus for use in electric supply systems. 1,951,866; Mar. 20.
- Graseby, Robert C., New Malden, England. Prepayment meter mechanism. 1,962,391; June 12.
- Graseby, Robert C., New Malden, England. Self-starting synchronous motor. 1,976,880; Oct. 16.
- Graser, Frank X., Lindenhurst, N. Y. Motion-picture camera. 1,980,915; Nov. 13.
- Grashow, Joseph, Brooklyn, N. Y. Receptacle cover. 1,960,308; May 29.
- Grassby, George A., Jr., Newton Center, Mass., assignor to The Lamson Company, Syracuse, N. Y. Conveyer system. 1,941,891; Jan. 2.
- Grasselli Chemical Company, The. (See Alvord, Earl B., assignor.)
- Grasselli Chemical Company, The. (See Bolton, Elmer K., assignor.)
- Grasselli Chemical Company, The. (See Corson, Harry P., assignor.)
- Grasselli Chemical Company, The. (See Duggan, H., and McHaffie, assignors.)
- Grasselli Chemical Company, The. (See Frantz, Glen H., assignor.)
- Grasselli Chemical Company, The. (See Hedenburg, Oscar F., assignor.)
- Grasselli Chemical Company, The. (See Hoff, C. M., and Blouch, assignors.)
- Grasselli Chemical Company, The. (See Larson, Louis L., assignor.)
- Grasselli Chemical Company, The. (See Lemmerman, Paul C., assignor.)
- Grasselli Chemical Company, The. (See Lemmerman, P. C., and Remler, assignors.)

- Grasselli Chemical Company, The. (See Lemmerman, P. C., and Schweitzer, assignors.)
- Grasselli Chemical Company, The. (See McQuaid, Howard S., assignor.)
- Grasselli Chemical Company, The. (See Ridler, Earl S., assignor.)
- Grasselli Chemical Company, The. (See Salzberg, P. L., and Bousquet, assignors.)
- Grasselli Chemical Company, The. (See Schweitzer, William K., assignor.)
- Grasselli Chemical Company, The. (See Vana, Charles A., assignor.)
- Grasselli Chemical Company, The. (See Waddell, Myron C., assignor.)
- Grassman, Edmund E., Arlington, N. J. Boiler. 1,944,506; Jan. 23.
- Grassmann, Peter, Berlin-Lichterfelde, Germany. Electrodynamic loud speaker. 1,962,012; June 5.
- Grassmuck, Webster D., Lincoln, Nebr. Cream cone. 1,960,535; May 29.
- Grasso, Frank, Wilkes-Barre, Pa. Wearing apparel and making same. 1,944,507; Jan. 23.
- Grasso, Santi, and Antonio Bongiovanni, assignors of one-fourth to P. H. Lemen and one-fourth to J. B. Keenan, Philadelphia, Pa. Hair net. 1,981,790; Nov. 20.
- Grasswick, Carl A., Valley City, N. Dak., assignor of one-third to M. E. Eggen, Minneapolis, Minn. Combine harvester. 1,984,184; Dec. 11.
- Grassynok Fisheries, Inc. (See Byram, Stanley H., assignor.)
- Grathwol, William L., assignor to The Boatstuck Corporation, Stratford, Conn. Vacuum cleaner attachment for automobiles. 1,942,353; Jan. 2.
- Gratian, Warren B., Bunker Hill, Ill. Organ valve. 1,957,585; May 8.
- Graton & Knight Company. (See Chandler, Robert W., assignor.)
- Graton & Knight Company et al. (See Tuxbury, H. W., assignor, and Mowery.)
- Graubner, Herman G., Lakewood, and A. G. Saurwein, Cleveland, Ohio, assignors to National Carbon Company, Inc. Flash light. 1,960,739; May 29.
- Grauer, Solomon, Brooklyn, N. Y. Nonrefillable bottle. 1,968,139; July 31.
- Grauman, L., Company. (See Ludwig, Frank W., assignor.)
- Grauss, Georges, Paris, France. Centrifugal machine for purification of paper pulp and analogous masses. 1,975,319; Oct. 2.
- Grave, Georg, Frankfurt-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation apparatus. 1,943,070; Jan. 9.
- Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Material for preparing metal surfaces for painting and the like. 1,949,713; Mar. 6.
- Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for removing soldering fluxes. 1,966,203; July 10.
- Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Material for coating metal. 1,980,518; Nov. 13.
- Gravell, William H., Philadelphia, Pa., assignor to Bethlehem Steel Company. Storage structure. 1,960,906; May 29.
- Gravely, Benjamin F., Dunbar, W. Va. Gearing. 1,944,789; Jan. 23.
- Graves, Agnes, Salt Lake City, Utah. Garment. 1,975,688; Oct. 2.
- Graves, Benjamin P., Cranston, and A. F. Bennett, West Barrington, R. I., assignors to Brown and Sharpe Manufacturing Company. Machine tool. 1,942,209; Jan. 2.
- Graves, Benjamin P., Cranston, and A. F. Bennett, West Barrington, R. I., assignors to Brown and Sharpe Manufacturing Company. Transmission mechanism for machine tools. 1,951,146; Mar. 13.
- Graves, Benjamin P., Edgewood, and A. F. Bennett, West Barrington, R. I., assignors to Brown & Sharpe Manufacturing Company. Arbor support. 1,959,952; May 22.
- Graves, Carl M., Oakwood, Ohio. Card-game table top. Des. 92,899; July 31.
- Graves, Earl R., Riverside, Ill., assignor to International Harvester Company. Check wire for planters. 1,982,427; Nov. 27.
- Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters and preparing same. 1,944,887; Jan. 30.
- Graves, George D., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition. 1,972,091; Sept. 4.
- Graves, George D., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition. 1,972,092; Sept. 4.
- Graves, Harvey L., Akron, Ohio. Window mounting. 1,973,563; Sept. 11.
- Graves, Henry W., Chicago, Ill. Disk-spinning toy. 1,952,547; Mar. 27.
- Graves, Herbert C., jr. (See Crichton, L. N., and Graves.)
- Graves, Herbert C. (See Crichton, L. N., Graves, and Feldmann.)
- Graves, Herbert C., jr. (See Healis, G. A., and Graves.)
- Graves, Herbert C., jr., Radnor, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit controlling device. 1,976,781; Oct. 16.
- Graves, Herbert C., jr., East Bradford Township, Chester County, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit controlling device. 1,976,934; Oct. 16.
- Graves, Herbert C., jr., Radnor, Pa., and J. A. C. Krips, Haddonfield, N. J., assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switchboard construction. 1,955,287; Apr. 17.
- Graves, Herbert C., jr., Radnor, Radnor Township, Chester County, and W. M. Scott, jr., assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switch structure. 1,979,683; Nov. 6.
- Graves, John, assignor to Globe-Union Mfg. Co., Milwaukee, Wis. Automatic handling mechanism for storage battery panels. 1,956,022; Apr. 24.
- Graves, John E. (See Clark, J. D., and Graves.)
- Graves, Rose M., assignor to Venus Brassiere Co. Inc., Chicago, Ill. Garment. 1,982,657; Dec. 4.
- Graves, Roy R., Kensington, Md. Construction of insulated walls. 1,944,079; Jan. 16.
- Graves, Roy R., Kensington, Md. Milking process and apparatus. 1,977,511; Oct. 16.
- Graves, Samuel A., Worcester, Mass. Trick pencil. 1,982,734; Dec. 4.
- Graves, Shirrell W., San Francisco, Calif. Container. 1,982,912; Dec. 4.
- Graves, William H., assignor to Packard Motor Car Company, Detroit, Mich. Method of operating internal combustion engines. 1,970,088; Aug. 14.
- Grawoig, Barney, assignor to Universal Parts Mfg. Corp., Chicago, Ill. Pipe bushing. 1,974,813; Sept. 25.
- Gray, Adam A., assignor of one-half to W. P. Soneson, Duluth, Minn. Windmill. 1,983,980; Dec. 11.
- Gray, Alanson M., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Refining hydrocarbons. 1,950,140; Mar. 6.
- Gray, Alvin E., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing mechanism for tabulators. 1,947,259; Feb. 13.
- Gray, Alvin N., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing conductors in plates. 1,980,197; Nov. 13.
- Gray, Arthur W., East Orange, N. J. Communitated alloy. 1,963,085; June 19.
- Gray, Carl C., Minneapolis, and H. L. Johnson, St. Paul, Minn. Grain scalping and aspirating machine. 1,966,443; July 17.
- Gray, Charles B., Millbourne, Pa. Cutting machine. 1,977,795; Oct. 23.
- Gray, Charles M., Burlington, and R. Thomas and W. W. Carr, Mount Vernon, Wash. Wire pair or egg basket. 1,950,921; Mar. 13.
- Gray Company. (See Gray, Russell J., assignor.)
- Gray, Daniel. (See Murray, W. S., and Gray.)
- Gray, Daniel, Sherrill, assignor to Oneida Community, Limited, Oneida, N. Y. Alloys. 1,959,668; May 22.
- Gray, Daniel, Oneida, and W. S. Murray, Utica, assignors to Oneida Community, Limited, Oneida, N. Y. Copper-indium alloy. 1,960,740; May 29.
- Gray, Daniel M., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Plastic wax board liner. 1,968,140; July 31.
- Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Gauging glass articles. 1,960,151; May 22.
- Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Glass pipe. 1,975,269; Oct. 2.
- Gray, Edward, assignor to Edward Gray, Engineer, Inc., Detroit, Mich. Internal combustion engine. 1,978,194; Oct. 23.
- Gray, Edward, Engineer, Inc. (See Gray, Edward, assignor.)
- Gray, Edward J., East Orange, N. J. Safety razor. 1,975,757; Oct. 2.
- Gray, Ffolliott. (See Hodgson, J. L., and Gray.)
- Gray, Frank, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Electro-optical system. 1,957,953; May 8.
- Gray, Frank, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Electro-optical system. 1,974,067; Sept. 18.
- Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical tube. 1,980,198; Nov. 13.
- Gray, Fred D., Herkimer, assignor to Holed-Tite Packing Corporation, New York, N. Y. Pastry holder. 1,945,397; Jan. 30.
- Gray, Fred D., Herkimer, and L. Mann, Mount Vernon, N. Y., assignors, by mesne assignments, to Holed-Tite Packing Corporation. Packing container for fragile articles. 1,967,026; July 17.
- Gray, Fred D., and R. Farnham, Herkimer, N. Y., assignors, by mesne assignments, to Packing Products Corporation. Packing holder for fragile articles. 1,982,428; Nov. 27.
- Gray, G. A., Company, The. (See Cardullo, Forrest E., assignor.)
- Gray, G. A., Company, The. (See Hunt, Howard W., assignor.)
- Gray, G. A., Company, The. (See Marx, A., and Hunt, assignors.)

- Gray, George P., Monrovia, Calif., assignor to American Cyanamid Company, New York, N. Y. Fumigating. 1,967,304; July 24.
- Gray, George W., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,965,074; July 3.
- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composition of matter and making same. 1,978,839; Oct. 30.
- Gray, Harry L., assignor to Eastman Kodak Company, Rochester, N. Y. Production of fibrous cellulose nitroacetate soluble in acetone. 1,962,345; June 12.
- Gray, Hubert M., Toledo, Ohio. Device for heating windshields or the like. 1,942,057; Jan. 2.
- Gray, James A., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Vacuumizing apparatus. 1,963,991; June 26.
- Gray, James W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Distillation. 1,953,013; Mar. 27.
- Gray, James W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,965,075; July 3.
- Gray, John A., Oakland, Calif. Cap mounting means. 1,972,263; Sept. 4.
- Gray, Leonard G., Decatur, Ill. Refrigerator display case. Des. 92,467; June 12.
- Gray, Lois B., Kansas City, Mo. Receptacle protector. 1,957,263; May 1.
- Gray, Percy, Jefferson, Iowa. Galvanizing pot construction. 1,974,610; Sept. 25.
- Gray, Philip P. (See Himebaugh, L. C., and Gray.)
- Gray, Philip P., Forest Hills, and I. M. Stone, New York, N. Y. Milk bottle cap. 1,973,758; Sept. 18.
- Gray Processes Corporation. (See Dickson, Edwin A., assignor.)
- Gray Processes Corporation, The. (See Gray, Alanson M., assignor.)
- Gray Processes Corporation, The. (See Gray, Thomas T., assignor.)
- Gray Processes Corporation, The. (See Mandelbaum, Malvin R., assignor.)
- Gray Processes Corporation. (See Nisson, Philip S., assignor.)
- Gray Processes Corporation, The. (See Youker, Malcolm P., assignor.)
- Gray, Ralph S., St. Louis, Mo. Goggles. 1,963,437; June 19.
- Gray, Richard E., Jackson, Tenn., assignor to Piggly Wiggly Corporation, Cincinnati, Ohio. Display fixture for stores. 1,951,242; Mar. 13.
- Gray, Richard E., Jackson, Tenn., assignor to Piggly Wiggly Corporation, Cincinnati, Ohio. Dehydrator for refrigerator. 1,965,461; July 3.
- Gray, Richard E., Jackson, Tenn., assignor to Piggly Wiggly Corporation, Cincinnati, Ohio. Refrigerator frame. 1,971,002; Aug. 21.
- Gray, Robert L., Brooklyn, N. Y. Adjustable attachment envelope. 1,953,852; Apr. 3.
- Gray, Robert L., Brooklyn, N. Y. Liner bag for container. 1,955,385; Apr. 17.
- Gray, Roy B., Washington, D. C., and L. G. Schoenleber, Ames, Iowa, dedicated to the free use of the Public of the United States of America. Down-stalk lifting attachment for harvesting machines. 1,956,676; May 1.
- Gray, Russell J., Minneapolis, Minn. Grease gun. 1,970,373; Aug. 14.
- Gray, Russell J., assignor to Gray Company, Inc., Minneapolis, Minn. Pneumatic grease gun. Re19,369; Nov. 13.
- Gray, Samuel M., Yonkers, assignor to Electrical Testing Laboratories, New York, N. Y. Polariscopes. 1,959,785; May 22.
- Gray Telephone Pay Station Co., The. (See Long, George A., assignor.)
- Gray Telephone Pay Station Company, The. (See Long, George A. and W. W., assignors.)
- Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Degumming hydrocarbons. 1,952,751; Mar. 27.
- Gray, Thomas T., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Purifying hydrocarbon compounds. 1,952,855; Mar. 27.
- Gray Tool Co. (See Royce, Richard T., assignor.)
- Gray, Wallace M., Cincinnati, Ohio. Track lubricating apparatus. 1,978,018; Oct. 23.
- Gray, William B., Palm Beach, Fla. Fish lure. 1,960,488; May 29.
- Gray, William T., Altrincham, England, assignor to General Electric Company. Electromagnetically-controlled circuit controller. 1,974,306; Sept. 18.
- Gray, Winfield E., Pawtucket, R. I. Screw driver. 1,945,741; Feb. 6.
- Graybill, Hershey R., assignor to Animal Trap Company of America, Lititz, Pa. Die press. 1,950,726; Mar. 13.
- Graybill, Hershey R., Lititz, M. B. Koch, Brunnerville, and H. W. McCreary, assignors to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,979,223; Oct. 30.
- Graydon, John A., New York, N. Y. Building block. 1,964,816; July 3.
- Grayson Appliance Co. Ltd. (See Grayson, John H., assignor.)
- Grayson Appliance Co. Ltd. (See Grayson, J. H., and Jenkins, assignors.)
- Grayson Heat Control, Inc. (See Grayson, John H., assignor.)
- Grayson, John H., assignor to Grayson Appliance Co. Ltd., Lynwood, Calif. Thermostat. 1,941,795; Jan. 2.
- Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Thermostatic valve structure. 1,950,727; Mar. 13.
- Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Oven regulator. 1,957,774; May 8.
- Grayson, John H., and W. E. Jenkins, assignors to Grayson Appliance Co. Ltd., Lynwood, Calif. Oven gas cock. 1,977,552; Oct. 16.
- Grayson, Ralph V., Atlanta, Ga. Vacuum juicer. 1,957,883; May 8.
- Grayson, Ralph V., Atlanta, Ga. Apparatus for manufacturing insulation board. 1,958,819; May 15.
- Grayson, Ralph V., Atlanta, Ga. Fruit and vegetable peeler. 1,979,615; Nov. 6.
- Grayson, Ralph V., assignor of fifty per cent to E. G. Ballenger, C. M. Foster, and F. M. Bird, Atlanta, Ga., as organizers and incorporators of Refrigeration Patents and Processes, Inc. Refrigeration system. 1,948,790; Feb. 27.
- Grayson, Ralph V., and E. G. Ballenger, Atlanta, Ga.; said Grayson, assignor to Patent and Security Holding Corporation, Tampa, Fla. Insulation unit. 1,970,746; Aug. 21.
- Green, Alexandre M., Mount Vernon, N. Y. Scarf. 1,967,054; July 17.
- Great Lakes Dredge & Dock Company. (See Cushing, John F., assignor.)
- Great Lakes Dredge & Dock Company. (See Rich, Ben C., assignor.)
- Great Lakes Pressed Steel Corporation. (See Davey, John E., assignor.)
- Great Northern Paper Company. (See Burr, Charles H., assignor.)
- Great Northern Paper Company. (See Theriault, Dolore F., assignor.)
- Greatorex, Henry A. (See McLeod, Albert R., assignor.)
- Great Western-Electro-Chemical Co. (See Hirschkind, W., and Bender, assignors.)
- Great Western Electro-Chemical Co. (See Stevenson, Ralph A., assignor.)
- Great Western Fuse Company. (See La Mar, Frank C., assignor.)
- Greaves, William B., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Selvage motion for looms. 1,981,039; Nov. 20.
- Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Vaporizing mercury. 1,946,851; Feb. 13.
- Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Storing and using heat and means therefor. 1,959,286; May 15.
- Grebe, John J., and R. H. Boundy, assignors to The Dow Chemical Company, Midland, Mich. Controlling oxidation of halide solutions to liberate free halogen. 1,944,738; Jan. 23.
- Grebe, John J., and L. C. Chamberlain, assignors to The Dow Chemical Company, Midland, Mich. Direct reading relative humidity indicator. 1,984,341; Dec. 11.
- Grebe, John J., G. H. Coleman, and J. H. Reilly, assignors to The Dow Chemical Company, Midland, Mich. Making gaseous olefines. 1,962,502; June 12.
- Greco, Alfredo, Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. System of electrical distribution. 1,985,206; Dec. 18.
- Greco, Anthony, Santa Clara, Calif. Packaging apparatus. 1,984,064; Dec. 11.
- Greco, Donato, Amsterdam, N. Y. Dyeing apparatus. 1,966,335; July 10.
- Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Hose carrier for truck tanks. 1,973,457; Oct. 30.
- Greear, Thomas H. (See Lee, Norman, assignor.)
- Greiff, Gerhard, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,951,294; Mar. 13.
- Greeley, Philip H., Washington, D. C. Radio receiving circuits. 1,962,557; June 12.
- Green, A. P., Fire Brick Company. (See Royall, John H., assignor.)
- Green, Aaron S., et al. (See Hunsicker, Clyde L., assignor.)
- Green, Armin H. (See Levoy, Joseph, assignor.)
- Green, Armin H. (See Levoy, J., and Green.)
- Green, Arthur. (See Krantz, M., and Green.)
- Green, Arthur B., Westbrook, Maine. Pulp tester. 1,985,321; Dec. 25.
- Green, Buford L., Charlotte, N. C. Guiding means for line-casting machines. 1,968,364; July 31.
- Green, Charles J., Oxford, Pa. Protective equipment for banks. 1,981,791; Nov. 20.
- Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,951,405; Mar. 20.
- Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,963,740; July 10.
- Green, Charles W., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,978,937; Oct. 30.

- Green, Charles W., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Correction for changes in line transmission. 1,956,715; May 1.
- Green, Cornelius F., Dell Rapids, S. Dak. Road surfacing binding strip. 1,950,299; Mar. 6.
- Green, Earl F., and F. A. Graham, assignors to The Manley Manufacturing Company, York, Pa. Mechanical jack. 1,942,244; Jan. 2.
- Green, Edward G., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for cutting and handling sheet glass. 1,967,055; July 17.
- Green, Ernest. (See Franklin, C. S., and Green.)
- Green, Ernest, Chelmsford, England, assignor to Radio Corporation of America. High frequency transmitter. 1,958,994; May 15.
- Green, Ernest, London, England, assignor to Radio Corporation of America. Aerial and aerial system. 1,967,881; July 24.
- Green, Estill I. (See Affel, H. A., and Green.)
- Green, Floyd S., assignor to Frank Adam Electric Co., St. Louis, Mo. Dead front safety switch. 1,962,867; June 12.
- Green, Floyd S., assignor to Frank Adam Electric Co., St. Louis, Mo. Circuit interrupting and protecting apparatus. 1,966,716; July 17.
- Green, Frederick M., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Cooling of internal-combustion engines. 1,962,685; June 12.
- Green, Irving W., Cranford, N. J., assignor to American Telephone and Telegraph Company. Single stroke gong. 1,942,811; Jan. 9.
- Green, James B. (See Benbow, J. D., and Green.)
- Green, James B., Sarasota, Fla. Liquid petroleum gas distributing system. 1,968,141; July 31.
- Green, James B., and J. M. Rathmell, assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill. Elevating grader. 1,981,170; Nov. 20.
- Green, Jesse R. (See Martin, W. M., and Green.)
- Green, John G., Greensboro, N. C. Doorstop. 1,985,164; Dec. 18.
- Green, John J. (See Parkin, J. H., and Green.)
- Green, Joseph W. (See Loose, K. D., Watkins, and Green.)
- Green, Lee B., Lakewood, Ohio. Grille for concealing automobile radiator cores. 1,958,995; May 15.
- Green, Lee B., Lakewood, Ohio. Beverage-water heater. 1,971,154; Aug. 21.
- Green, Lee B., Lakewood, Ohio. Radiator shell and grille assembly. 1,971,155; Aug. 21.
- Green, Lee B., Lakewood, Ohio. Frontal grille for radiators. 1,982,293; Nov. 27.
- Green, Lee B., Lakewood, Ohio. Parallel-blade radiator grille. 1,982,953; Dec. 4.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Pedestal for a tumbling barrel. Des. 92,343; May 29.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Belt pulley. Des. 92,344; May 29.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Grille-guarded frontal panel for automobile radiator shells. Des. 93,616; Oct. 16.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Louver-type radiator grille. 1,941,742; Jan. 2.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Radiator shell and grille assembly. 1,941,797; Jan. 2.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Tumbling barrel. 1,945,035; Jan. 30.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Automatic control for shock absorbers. 1,945,036; Jan. 30.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Container closure. 1,948,263; Feb. 20.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Dry cleaning or washing machine. 1,948,879; Feb. 27.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Shutter for automobile radiators. 1,950,792; Mar. 13.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Dispenser for powdered materials. 1,950,941; Mar. 13.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Frontal grille for automobiles. 1,951,653; Mar. 20.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Maintained temperature liquid heater. 1,952,856; Mar. 27.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Electric liquid heater. 1,954,929; Apr. 17.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Grille for automobile radiators and attaching the same. 1,959,953; May 22.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Grille for radiator shell fronts. 1,960,629; May 29.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Metal grille fabric. 1,961,852; June 5.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Thermostatically controlled valve. 1,978,131; Oct. 23.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Electric beverage water heater. 1,984,129; Dec. 11.
- Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Parallel-blade radiator grille. 1,985,407; Dec. 25.
- Green, Leslie P., Chicago, Ill. Crusher. 1,972,930; Sept. 11.
- Green, Leslie P., Chicago, Ill., assignor to A. M. Holland, Youngstown, Ohio. Excavating machine. 1,958,269; May 8.
- Green, Louis, Parry Sound, Ontario, Canada. Funnel. 1,942,282; Jan. 2.
- Green, Louis D., et al. (See Hunsicker, Clyde L., assignor.)
- Green, Louis D., San Francisco, Calif. Ophthalmic mounting. 1,966,717; July 17.
- Green, M. E., Manufacturing Company. (See Scott, Charlie B., assignor.)
- Green, Newton B., assignor to Eastman Kodak Company, Rochester, N. Y. Self-erecting front camera latch. 1,950,884; Mar. 13.
- Green, Newton B., assignor to Eastman Kodak Company, Rochester, N. Y. Spindle for a reeling device. 1,957,884; May 8.
- Green, Newton B., and C. C. Fuerst, assignors to Eastman Kodak Company, Rochester, N. Y. Latch for a receptacle. 1,973,479; Sept. 11.
- Green, Robert H., assignor of two-thirds to M. E. Campbell, Los Angeles, and F. E. Griffith, Long Beach, Calif. Product and making reinforced coverings. 1,979,684; Nov. 6.
- Green, Russell E., Detroit, Mich. Making a cable connector. 1,951,654; Mar. 20.
- Green, Samuel, Bronx, N. Y. Button or similar article. Des. 91,580; Feb. 20.
- Green, Samuel G., Gray, Ga. Water jacket for machine guns. 1,963,086; June 19.
- Green, Samuel G., Gray, Ga. Gun barrel and barrel mounting. 1,980,399; Nov. 13.
- Green, Sherwood, assignor to American Cotton Machinery Co., Berkeley, Calif. Cotton treatment method and apparatus. 1,964,259; June 26.
- Green, Stanley J., and R. Handley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of acetic acid. 1,950,027; Mar. 6.
- Green, Stanley J., and R. Handley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of oxygenated organic compounds. 1,950,671; Mar. 13.
- Green, Thomas L., Oklahoma City, Okla. Sinking caissons. 1,946,579; Feb. 13.
- Green, Walter B., assignor of one-half to S. O. Hanna, and one-half to W. F. Baker, Philadelphia, Pa. Combined light and reflector. 1,951,729; Mar. 20.
- Green, Walter H., assignor to General Zeolite Co., Chicago, Ill. Fluid flow controller. 1,969,366; Aug. 7.
- Green, William G., Tulsa, Okla. Vibrating galvanometer. 1,981,266; Nov. 20.
- Green, William, and R. B. Alguire, Glens Falls, N. Y.; said Alguire assignor to said Green. Collapsible foot rest. 1,979,152; Oct. 30.
- Greenawalt, David F., Huntingdon Valley, Pa. Textile fabric. Des. 94,129; Dec. 25.
- Greenawalt, David F., Huntingdon Valley, Pa. Textile fabric. Des. 94,130; Dec. 25.
- Greenawalt, John E. (See Alexovits, Thomas M., assignor.)
- Greenawalt, John E., New York, N. Y. Process and furnace for disposing of refuse matter. 1,982,803; Dec. 4.
- Greenberg, Irving, Union City, N. J., assignor to Reverso Slide Fastener Co., Inc., New York, N. Y. Slide fastener. 1,955,288; Apr. 17.
- Greenberg, Jack, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Electric condenser or similar article. Des. 93,653; Oct. 23.
- Greenberg, William, Portland, Ore. Indicia indicator and register for impulse transmitting devices. 1,966,118; July 10.
- Green Cross Development Corporation, The. (See Kadow, August, assignor.)
- Greene, Albert E., Seattle, Wash. Heavy current switching apparatus. 1,967,752; July 24.
- Greene, Charles W., assignor to The De Vilbiss Company, Toledo, Ohio. Anchoring means for terminal wires. 1,964,850; June 26.
- Greene, Clarence K., Los Angeles, Calif. Variable pitch propeller. 1,958,336; May 8.
- Greene, Edgeworth, Montclair, N. J. Dash tire pressure indicator. 1,975,639; Oct. 2.
- Greene, Edwin D., assignor to Arkell Safety Bag Company, New York, N. Y. Bag. 1,962,071; June 5.
- Greene, Elwood. (See Delano, H. A., and Greene.)
- Greene, Frank C., Milwaukee, Wis. Gas generator. 1,947,590; Feb. 20.
- Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic print drier. 1,944,600; Jan. 23.
- Greene, Oliver W., Peace Dale, R. I., assignor to General Electric Company, Socket. 1,976,492; Oct. 9.
- Greene, Omar V. (See Lucrsen, G. V., and Greene.)

- Greene, Otto W., Elyria, Ohio. Automatic steering device. 1,966,170; July 10.
- Greene, Richard A., Brooklyn, assignor to Jabez Burns & Sons, Inc., New York, N. Y. Apparatus for cooling coffee, etc. 1,958,301; May 8.
- Greenfield, Benjamin, Elizabeth, N. J. Steam cooking process. 1,955,289; Apr. 17.
- Greenfield Tap & Die Corporation. (See Judge, Franklin, assignor.)
- Greenfield Tap & Die Corporation. (See Koehler, Oscar E., assignor.)
- Greenfield, William H., Philadelphia, Pa. Resistance element for rail heaters. 1,980,582; Nov. 13.
- Greenfield, William H., Philadelphia, Pa. Clamp for rail heaters. 1,980,916; Nov. 13.
- Greenfield, William R., assignor to Kellogg Corset Company, Jackson, Mich. Hernia belt. 1,953,347; Apr. 3.
- Greenhalgh, Arthur, Pawtucket, R. I. Attachment for filament spinning machines. 1,964,628; June 26.
- Greenhalgh, Richard, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Producing diphenylpropane. 1,977,627; Oct. 23.
- Greenhill & Daniel, Inc. (See Daniel, William, assignor.)
- Greening, Herald B., assignor to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Sheave for wire cables. 1,944,426; Jan. 23.
- Greening, Herald B., and J. W. Galloway, assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Internal combustion engine. 1,945,636; Feb. 6.
- Greenlaw, Arthur L. (See Swedler, L., and Greenlaw.)
- Greenlaw, Burpee D., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Bag making machine. 1,949,273; Feb. 27.
- Greenleaf, Leland B., assignor to C. G. Conn, Ltd., Elkhart, Ind. Horn. 1,966,119; July 10.
- Greenleaf, William H., Chicago, assignor to Western Clock Company, Peru, Ill. Accelerator switch. 1,950,846; Mar. 13.
- Greenleaf, William H., Chicago, assignor to Western Clock Company, Peru, Ill. Accelerator switch for clocks. 1,983,026; Dec. 4.
- Greenlee Bros. & Co. (See Abramson, J. H., and Swan son, assignors.)
- Greenlee Bros. & Co. (See Hawkinson, Adolph H., assignor.)
- Greenlee, Charles W. (See Krueger, John C., assignor.)
- Greenlee, Samuel, Baltimore, Md. Valve for fuel control. 1,954,930; Apr. 17.
- Greenman, Allen, Bay City, Mich. Electrical cooking device. 1,956,283; Apr. 24.
- Greenman, Harry J., New York, N. Y. Dress. Des. 94,083; Dec. 18.
- Greenough, Henry B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel finishing machine. 1,943,308; Jan. 16.
- Greenough, Henry B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel finishing tool. 1,976,016; Oct. 9.
- Greenpoint Metallic Bed Co. (See Moeckel, Louis C., assignor.)
- Greensaft, Isidor, Belmar, N. J. Illuminated wall aquarium. 1,974,068; Sept. 18.
- Greensfelder, Elmer L., Baltimore, Md. Method and apparatus for producing film for projecting stereoscopic motion pictures. 1,963,438; June 19.
- Greentree, Charles D., Schenectady, N. Y., assignor to General Electric Company. Ground noise elimination. 1,971,181; Aug. 21.
- Greenup, Harold W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Microporous rubber and making the same. 1,959,160; May 15.
- Greenwald, Harold A., Marion, Ind., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Power transmitting device. Re19,080; Feb. 13.
- Greenwald, Harold A., assignor to United States Radio & Television Corporation, Marion, Ind. Refrigerating apparatus. 1,955,957; Apr. 24.
- Greenwald, Harold A., assignor to United States Radio & Television Corporation, Marion, Ind. Pump for refrigerating apparatus. 1,955,958; Apr. 24.
- Greenwald, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Supporting means for refrigerating apparatus. 1,951,655; Mar. 20.
- Greenwald, Harold A., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Resistance unit. 1,957,828; May 8.
- Greenwald, Harold A., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Resistance unit. 1,957,829; May 8.
- Greenwald, Harold A., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Cooling unit. 1,982,429; Nov. 27.
- Greenwald, M. S. (See Auerbach, Maurice J., assignor.)
- Greenwald, Paul, and L. E. Wolff, assignors of one-fourth to S. Greenwald, Brooklyn, N. Y. Coffee making apparatus and method. 1,981,171; Nov. 20.
- Greenwald, Samuel. (See Greenwald, P., and Wolff, assignors.)
- Greenway, Richard J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Antioffset mechanism for printing presses. 1,949,102; Feb. 27.
- Greenwood, Aaron A. (See Siebert, D. W., and Greenwood.)
- Greenwood, Alice K., Winchester, Mass. Eraser and retrieving device therefor. 1,963,326; June 19.
- Greenwood, Eva J., et al. (See Peltier, Joseph E., assignor.)
- Greenwood, Henry B., Glenarm, Md. Machine for creasing sheet material. 1,978,157; Oct. 23.
- Greenwood, J. M., et al. (See Peltier, Joseph E., assignor.)
- Greenwood, James A., et al. (See Steele, Claude A., assignor.)
- Greenwood, Quentin E., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for controlling transmission in signaling systems. 1,984,065; Dec. 11.
- Greenwood, Richard F., New York, N. Y., assignor to Standard Equipments, Inc. Rail-joint and bar therefor. 1,963,580; June 19.
- Greenwood, Richard F., New York, N. Y., assignor to Standard Equipments, Inc. Rail-joint and bar therefor. 1,983,752; Dec. 11.
- Greenwood, Wallace W., assignor to Norton Company, Worcester, Mass. Grinding wheel. 1,949,513; Mar. 6.
- Greer, Commodore L., League City, Tex. Trolley wire suspending means. 1,965,036; July 3.
- Greer, Commodore L., League City, Tex. Trolley wire hanger. 1,972,418; Sept. 4.
- Greer, David McK., assignor to American Instrument Company, Washington, D. C. Thermostat. 1,945,434; Jan. 30.
- Greer, Edward R., Minneapolis, Minn. Scraper. 1,965,374; July 3.
- Greer, Elza W. (See Finnie, D. J., and Greer.)
- Greer, Paul S., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Drying process. 1,974,069; Sept. 18.
- Greene, Thomas W., New York, N. Y., assignor to The Linde Air Products Company. Liner for welded pipe joints. 1,960,105; May 22.
- Greene, Walter C., Cleveland Heights, Ohio. Invalid chair. 1,972,557; Sept. 4.
- Greenewalt, Crawford H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of alcoholic mixtures. 1,972,887; Sept. 11.
- Greenewalt, Mary H., Philadelphia, Pa. Light color instrument. 1,945,635; Feb. 6.
- Greenewalt, Mary H., Philadelphia, Pa. System in illumination and particularly to apparatus therefor. 1,949,101; Feb. 27.
- Greger, Herbert H., Akita, Japan. Production of electricity by means of a fuel cell. 1,963,550; June 19.
- Gregg, Alfred W., and R. H. Frank, assignors to The Bonney-Floyd Company, Columbus, Ohio. Wear resisting ferrous alloy. 1,963,525; June 19.
- Gregg Company, The. (See Dravo, Hudson D., assignor.)
- Gregg Company, Limited, The. (See Gregg, Louis D., assignor.)
- Gregg, David, Caldwell Borough, assignor to Bendix Research Corporation, East Orange, N. J. Lubrication shield for superchargers. 1,966,855; July 17.
- Gregg, David, Caldwell, assignor to Bendix Research Corporation, East Orange, N. J. Supercharger. 1,972,190; Sept. 4.
- Gregg, David, Caldwell, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Control device. 1,978,862; Oct. 30.
- Gregg, David, Caldwell Borough, assignor to Bendix Research Corporation, East Orange, N. J. Internal combustion engine. 1,983,225; Dec. 4.
- Gregg, David, Caldwell, and W. L. Smith, Cranford, assignors, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Airplane control. 1,978,863; Oct. 30.
- Gregg, James L., Columbus, Ohio, assignor, by mesne assignments, to Reynolds Research Corporation, New York, N. Y. Insulating unit. 1,956,323; Apr. 24.
- Gregg, James L., Columbus, Ohio, assignor, by mesne assignments, to Reynolds Research Corporation, New York, N. Y. Insulating unit. 1,962,868; June 12.
- Gregg, Katharine S., Cochituate, Mass. Music reading game. 1,945,398; Jan. 30.
- Gregg, Louis D., Hackensack, N. J., assignor to The Gregg Company, Limited, New York, N. Y. Coupling pin and attachment therefor. 1,967,820; July 24.
- Gregg, Paul F., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 1,976,935; Oct. 16.
- Gregg, Roscoe C., Fredericktown, Ohio. Lighting fixture bracket or similar article. Des. 92,345; May 29.
- Gregg, Roscoe C., Fredericktown, Ohio. Lighting fixture bracket or similar article. Des. 92,346; May 29.
- Gregg, Roscoe C., Fredericktown, Ohio. Lighting fixture bracket or similar article. Des. 92,347; May 29.
- Gregg, Roscoe C., Fredericktown, Ohio. Lighting fixture bracket or similar article. Des. 92,348; May 29.
- Gregg, Roy, Nehawka, Nebr. Hitch and lift for two-row lists. 1,952,982; Mar. 27.
- Gregor, Vaclav, Gary, Ind. Fuel burner. 1,953,853; Apr. 3.
- Gregorius, Joseph S., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,956,170; Apr. 24.
- Gregorius, Thomas K. (See Wilhelm, F. V., and Gregorius.)
- Gregoroff, Asen C. (See Scofield, T. J., Gregoroff, Billig, and Sparks.)
- Gregory, Carl L., New Rochelle, N. Y., assignor to Kisllyn Corporation, Englewood, N. J. Color filter. 1,944,230; Jan. 23.

- Gregory, Carl L., New Rochelle, N. Y., assignor to Kisllyn Corporation, Englewood, N. J. Photography. 1,949,714; Mar. 6.
- Gregory, Carl L., New Rochelle, N. Y., assignor to Kisllyn Corporation, Englewood, N. J. Photographic printing machine. 1,960,811; May 29.
- Gregory, Charles D., Brownfield, Tex. Toy. 1,959,469; May 22.
- Gregory, Ella L., Los Angeles, Calif. Two-way mop. 1,978,748; Oct. 30.
- Gregory, Emma C., Minneapolis, Minn. Garment. 1,964,659; June 19.
- Gregory, Henry G., and G. P. Ward, Habana, Cuba, assignors, by mesne assignments, to Fuller Lehigh Company, Furnace. 1,952,010; Mar. 20.
- Gregory, Lon S., Tulsa, Okla. Refrigerating and separating gaseous products. 1,946,580; Feb. 13.
- Gregory, Sydney, Highland Park, and R. R. Tompkins, assignors to General Spring Bumper Corporation, Detroit, Mich. Applying abrasives. 1,941,796; Jan. 2.
- Gregory, Thomas. (See Thorold, F. W., and Gregory.)
- Gregory, Thurlow G. (See Berchin, Nicholas U., assignor.)
- Gregon, Lue V., Seattle, Wash. Alarm device. 1,973,759; Sept. 18.
- Greibach, Emil H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-controlling device. 1,962,303; June 12.
- Greibach, Emil H., Brooklyn, assignor to Sonotone Corporation, New York, N. Y. Hearing-aid device. 1,973,410; Sept. 11.
- Greicins, Peter P., Chicago, Ill. Safety device. 1,950,002; Mar. 6.
- Greider, Harold W., Plymouth Meeting, Pa., assignor to The Philip Carey Manufacturing Company. Recovery of magnesium hydroxide. 1,971,909; Aug. 28.
- Greig, James W., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Automobile frame. 1,954,078; Apr. 10.
- Greig, Paul, Hempstead, Tex. Dispenser. 1,968,641; July 31.
- Greimann, Fred W., Sheffield, Iowa. Corn coverer. 1,943,219; Jan. 9.
- Greiner, Alfred. (See Wright, D. K., and Greiner.)
- Greiner, Charles J., Menasha, and O. T. Thompson, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Machine for making sanitary napkins. 1,972,062; Aug. 28.
- Greiner, Earl S. (See Chegwidlen, R. A., and Greiner.)
- Greiner, Joseph F. (See Corrier, L. J., and Greiner.)
- Greist, Lewis T., Lake Forest, Ill. Steering gear for motor vehicles. 1,951,147; Mar. 13.
- Greist Manufacturing Company, The. (See Elwell, George H., assignor.)
- Greist Manufacturing Company, The. (See Finizie, Tomun, assignor.)
- Greitzer, Meyer, Los Angeles, Calif. Portable power saw. 1,955,063; Apr. 17.
- Gremminger, Ernest H., Alameda, assignor to Atlas Imperial Diesel Engine Company, Oakland, Calif. Wedge shaft control for Diesel engines. 1,972,482; Sept. 4.
- Grenier, Otis E., Hammett, Idaho. Cream and milk cooling device. 1,958,891; May 15.
- Greninger, Robert R., Rochester, N. Y., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automobile transmission. 1,963,660; June 19.
- Grennan Bakeries, Inc. (See Sichel, John C., assignor.)
- Grenway, Richard J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Casting box for printing plates. 1,954,447; Apr. 10.
- Greschel, Fred. (See Scoville, George L., assignor.)
- Gresham, Harry E., and J. N. Gresham, Salford, Manchester, England. Feed water heater of the injector type. 1,944,080; Jan. 16.
- Gresham, James N. (See Gresham, Harry E. and J. N.)
- Gresley, Herbert N. (See Yarrow, H. E., and Gresley.)
- Gress, Adam, New York, N. Y. Motor drill. 1,956,740; May 1.
- Gress, George C., Springfield, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Seasoning pyroxylin plastic, particularly sheets. 1,958,140; May 8.
- Gressly, Alfred, Frankfort-on-the-Main-Pöchenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs of the stilbene series and making same. 1,982,159; Nov. 27.
- Gretener, Edgar, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany. Signaling apparatus. 1,967,404; July 24.
- Greth, Arthur. (See Fonrobert, E., and Greth.)
- Grether, Ernest F., and L. E. Mills, assignors to The Dow Chemical Company, Midland, Mich. Azo dye and making same. 1,984,739; Dec. 18.
- Gretsch-Unitas G. m. b. H. (See Gretsch, Viktor, assignor.)
- Gretsch, Viktor, deceased; Adolf Hofer, executor, assignor to Gretsch-Unitas G. m. b. H., Stuttgart-Feuerbach, Germany. Ski tie. 1,983,226; Dec. 4.
- Gretschel, Rudolph, Fellowship, N. J. Plant spraying device. 1,976,340; Oct. 9.
- Greulich, Gerald G., Mount Lebanon, Pa. Floor plate. Des. 92,073; Apr. 24.
- Greulich, Gerald G., Mount Lebanon, Pa. Floor plate. Des. 92,074; Apr. 24.
- Greune, Heinrich. (See Eckert, W., Sieber, and Greune.)
- Greune, Heinrich, and W. Eckert, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing 1,4,5,8-naphthalene-tetra-carboxylic acid and substitution products thereof. 1,949,202; Feb. 27.
- Greune, Heinrich, and W. Eckert, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing 1,4,5,8-naphthalene-tetra-carboxylic acid and derivative thereof. 1,970,651; Aug. 21.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Relief device. 1,959,822; May 22.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Rotary swivel. 1,959,823; May 22.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Equalizing bearing. 1,968,199; July 31.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Pump valve. 1,968,200; July 31.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Pump valve. 1,971,713; Aug. 28.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Pump valve. 1,983,797; Dec. 11.
- Greve, Friedrich H., La Salle, Ill. Match box and striking device. 1,980,859; Nov. 13.
- Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Manufacturing metal clips. 1,941,892; Jan. 2.
- Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Cardboard box. 1,955,707; Apr. 17.
- Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Garment packaging form. 1,955,708; Apr. 17.
- Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island, N. Y. Cardboard box. 1,981,836; Nov. 20.
- Greve, John E. W., Chemnitz, Germany. Calculating machine. 1,953,557; Apr. 3.
- Greve, John E. W., assignor to the firm Astrawerke Aktiengesellschaft, Chemnitz, Germany. Multiple counter calculating and registering machine. 1,973,896; Sept. 18.
- Greville, Ernest G., London, England. Table for surgical and like uses. 1,963,897; June 19.
- Grewe, Alexander, et al. (See Genrich, Arnold W., assignor.)
- Grewe, Joseph, Hartwell, Ohio. Brush. 1,968,827; Aug. 7.
- Grewe, Laura, et al. (See Genrich, Arnold W., assignor.)
- Grevin, Fredrik, Hallstavik, Sweden, assignor to American Voith Contact Company, Inc., New York, N. Y. Method and apparatus for reconditioning paper stock. 1,960,106; May 22.
- Griep, Oskar E. (See Palmaer, K. W., and Griep.)
- Grier, David R., assignor to The L. D. Caulk Company, Milford, Del. Package for reversible hydrocolloid plastic material and using the same. 1,977,580; Oct. 16.
- Grier, Glenn W., and J. E. Norket, Selma, N. C. Stop mechanism for roving frames. 1,955,365; Apr. 17.
- Grier, John A., New York, N. Y. Compression or vacuum machine. 1,973,063; Sept. 11.
- Grier, John A., New York, N. Y., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,950,551; Mar. 13.
- Grier, Ralph H., and A. Sachs, Salisbury, Md.; said Grier assignor of his entire right to The Sachs Sole Shaping Machine Company. Shoe shaping machine. 1,958,426; May 15.
- Grier, Samuel. (See Kopf, Arthur A., assignor.)
- Griesediek, Henry C. (See Elzemeyer, E. E., and Griesediek.)
- Griessbach, Robert. (See Luther, M., Pungs, Griessbach, and Heuck.)
- Griessbach, Robert, Wolfen, near Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Base-exchanging substance. 1,972,419; Sept. 4.
- Griessbach, Robert, Wolfen, near Bitterfeld, and K. Neundlinger, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Base-exchange body. 1,965,923; July 10.
- Griest, Maurice, et al. (See Hayes, William P., assignor.)
- Griffin, Charles W., Jr. (See Kohlmann, Clarence E., assignor.)
- Griffin, Clayton O., Fort Wayne, Ind. Liquid dispenser. Des. 91,873; Apr. 3.
- Griffin, Frank H., Wawa, assignor to The Viscose Company, Marcus Hook, Pa. Manufacture of artificial silk. 1,950,922; Mar. 13.
- Griffin, Frank H., Wawa, assignor to The Viscose Company, Marcus Hook, Pa. Delustered rayon and spinning solution therefor. 1,983,450; Dec. 4.
- Griffin, Frederic J., Brooklyn, N. Y. Sign support. Des. 93,714; Oct. 30.
- Griffin, Guy T., Albany, N. Y. Automatic seal for tubes. 1,982,294; Nov. 27.
- Griffin, James H., near St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for polishing glass plates or strips. 1,964,320; June 26.

- Griffin, Jesse P., and W. B. Anderson, Live Oak, Fla. Baby vehicle. 1,965,313; July 3.
- Griffin, Joseph F., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust steam injector. 1,975,506; Oct. 2.
- Griffin, Joseph F., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Injector. 1,983,365; Dec. 4.
- Griffin, Oliver, Escondido, Calif. Bead tip hair tooth comb. 1,942,753; Jan. 9.
- Griffin, Richard B. (See Suiter, Jay A., assignor.)
- Griffin, Richard B., Washington, D. C. Drinking glass. Des. 93,871; Nov. 20.
- Griffin, Roger L., Peabody, assignor to A. C. Lawrence Leather Company, Boston, Mass. Coating apparatus. 1,966,093; July 10.
- Griffin, Roger L., and J. T. O'Neil, Peabody, assignors to A. C. Lawrence Leather Company, Boston, Mass. Stretching machine. 1,943,794; Jan. 16.
- Griffin, Roger L., and J. T. O'Neil, Peabody, assignors to A. C. Lawrence Leather Company, Boston, Mass. Stretching machine. 1,957,830; May 8.
- Griffis, Lawrence W. (See Van Arsdale, M. G., and Griffis.)
- Griffis, Lawrence W., North Tonawanda, assignor to Van Raalte Company, New York, N. Y. Fabric. Des. 91,296; Jan. 2.
- Griffis, Lawrence W., North Tonawanda, assignor to Van Raalte Company, New York, N. Y. Textile fabric. Des. 91,321; Jan. 9.
- Griffs, Ralph A., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Galvanizing metal sheets. 1,946,936; Feb. 13.
- Griffith, Anna. (See Strandlund, C. G., jr., and Griffith.)
- Griffith, Arthur C., assignor to United States Gypsum Company, Chicago, Ill. Compartment shelving. 1,961,144; June 5.
- Griffith, Carroll L., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Solid flavoring composition. 1,971,910; Aug. 28.
- Griffith, Clement P., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Air release mechanism for dispensing apparatus. 1,946,399; Feb. 6.
- Griffith, Clement P., and E. W. H. Rennick, assignors to S. F. Bowser & Co., Incorporated, Fort Wayne, Ind. Lubricator. 1,976,493; Oct. 9.
- Griffith, Edward W., Detroit, Mich. Making hub caps. 1,944,658; Jan. 23.
- Griffith, Francis, Clifton, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Double drag conveyer. 1,962,713; June 12.
- Griffith, Fred B., et al. (See Green, Robert H., assignor.)
- Griffith, G. W., Co. (See Kelley, Frederick H., assignor.)
- Griffith, George W., assignor to Pneumatic Rubber Heel Corporation, New York, N. Y. Air chamber rubber shoe heel. 1,951,975; Mar. 20.
- Griffith-Hope Company. (See Coles, Ross, assignor.)
- Griffith-Hope Company. (See Hope, Samuel N., assignor.)
- Griffith-Hope Company. (See Hope, S. N., and Drath, assignors.)
- Griffith-Hope Company. (See Hope, S. N., and Tuszyński, assignors.)
- Griffith Laboratories, Inc., The. (See Griffith, Carroll L., assignor.)
- Griffith Laboratories, The. (See Seifert, Karl M., assignor.)
- Griffith, Rolland C., Schenectady, N. Y., assignor to General Electric Company. Regenerative rectifier system. 1,960,995; May 29.
- Griffith, Ronald G., assignor to Creed and Company, Limited, Croydon, England. Mechanically relayed movement for telegraph selector mechanism. 1,953,066; Apr. 3.
- Griffith, Ronald G., assignor to Creed and Company, Limited, Croydon, Surrey, England. Code translator mechanism. 1,960,438; May 29.
- Griffith, Ronald G., assignor to Creed and Company, Limited, Croydon, England. Telegraph exchange system. 1,967,305; July 24.
- Griffith, Ronald G., assignor to Creed and Company, Limited, Croydon, England. Case signaling mechanism for keyboard controlled telegraph apparatus. 1,974,307; Sept. 18.
- Griffith, Ronald G., assignor to Creed and Company, Limited, Croydon, England. Electrical speed governor. 1,982,000; Nov. 27.
- Griffith, Thomas N., White House Station, N. J. Pouring spout for receptacles. 1,953,854; Apr. 3.
- Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation, Philadelphia, Pa. Thermostatic switch. 1,945,808; Feb. 6.
- Griffith, William E. (See Carpenter, O. K., Griffith, and Menough.)
- Griffith, William L., and E. D. Ault; said Ault assignor to W. M. Ault, Fort Collins, Colo. Connector for battery terminals. 1,975,896; Oct. 9.
- Griffiths, Clyde. (See Baird, V. E., Griffiths, and De Marais.)
- Griffiths, Ernest, Liverpool, England. Furnace for annealing metal sheets by a continuous process. 1,944,974; Jan. 30.
- Griffiths, Evelyn E., Blundellsand, England. Apparatus for treating metal sheets. 1,944,975; Jan. 30.
- Griffiths, Ezer, and A. Snow, Teddington, England. Measuring and indicating temperature from a distance. 1,969,072; Aug. 7.
- Griffiths, Leonard, Coventry, England, assignor to General Electric Company. Dynamo-electric machine. 1,976,554; Oct. 9.
- Griffiths, Orah E., Beaver Falls, assignor to The Correct Measure Company, Rochester, Pa. Deep well pump. 1,953,171; Apr. 3.
- Griffiths, Orah E., Beaver Falls, assignor to The Correct Measure Company, Rochester, Pa. Working barrel for deep well pumps. 1,953,172; Apr. 3.
- Griffiths, Roy H. (See Ward, E. J., and Griffiths.)
- Griffoul, Henry M., San Jose, Calif. Child's vehicle. 1,962,013; June 5.
- Griggs, Stephen A. (See Higbee, James F., assignor.)
- Grigsby-Grunow Company. (See Brian, William S., assignor.)
- Grigsby-Grunow Company. (See Dressel, Henry M., assignor.)
- Grigsby-Grunow Company. (See Edwards, Fred M., assignor.)
- Grigsby-Grunow Company. (See Kenney, Mahlon W., assignor.)
- Grigsby-Grunow Company. (See King, Walker J., assignor.)
- Grigsby-Grunow Company. (See Lear, William P., assignor.)
- Grigsby-Grunow Company. (See Maurer, Russell L., assignor.)
- Grigsby-Grunow Company. (See Shelin, T. G., and Fuchs, assignors.)
- Grigsby, Marion W., et al. (See Blair, Frank P., assignor.)
- Grillet, Nicolas B., Neuilly, assignor to Société des Usines Chimiques Rhone-Poulenc, Paris, France. Sulphonation. 1,956,571; May 1.
- Grilli, John P. (See Brassett, H. A., Boynton, and Grilli.)
- Grilli, John P., Chicago, Ill. Combined gas washing and sludge recovering apparatus. 1,976,392; Oct. 9.
- Grilli, John P., assignor to H. A. Brassett & Company, Chicago, Ill. Apparatus for cleaning gas. 1,951,867; Mar. 20.
- Grim, Clarence F., Inglewood, Calif. Golf ball vending machine. 1,952,244; Mar. 27.
- Grinditch, William H., Glenside, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electric phonograph. 1,975,745; Oct. 2.
- Grimes, Charles P., Syracuse, N. Y. Boat propulsion device. 1,953,599; Apr. 3.
- Grimes, George W., Company, The. (See Ivins, Harvey L., assignor.)
- Grimes, Harry, Evergreen Park, Ill. Door jamb. 1,966,666; July 17.
- Grimes, Robert B., Phoenix, assignor of one-half to C. A. McGlamery, Tucson, Ariz. Portable roasting oven. 1,976,989; Oct. 16.
- Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Weather strip. 1,952,669; Mar. 27.
- Grimm, Hans G., Heidelberg, and J. Jannek, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Production of valuable hydrocarbons. 1,960,972; May 29.
- Grimm, Hans G., Heidelberg, and P. Huppert, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Vitreous composition. 1,964,629; June 26.
- Grimley, Eric M. (See Emberly, Joseph B.)
- Grimwood, Walter K., assignor to Eastman Kodak Company, Rochester, N. Y. Method of and system for recording and reproducing. 1,957,885; May 8.
- Grindrod, George, Oconomowoc, assignor to Grindrod Process Corporation, Waukesha, Wis. Sterilization of food products. Re19,193; June 5.
- Grindrod, George, Oconomowoc, assignor to Grindrod Process Corporation, Waukesha, Wis. Apparatus for heat treating foods. 1,979,685; Nov. 6.
- Grindrod Process Corporation. (See Grindrod, George, assignor.)
- Grimham, Edward G., and W. R. Turner, assignors of one-third to The Standard Motor Company Limited, Coventry, England. Change speed gear mechanism. 1,973,807; Sept. 18.
- Grinnell, Samuel H., and A. C. Rubel, assignors to Union Oil Company of California, Los Angeles, Calif. Drilling structure and circulating pump. 1,983,287; Dec. 4.
- Grinsted, William H. (See Patterson, W. G., Christian, and Grinsted.)
- Grinsted, William H., Bromley, assignor to Siemens Brothers & Company, Limited, London, England. Signaling system. 1,951,148; Mar. 13.
- Grip Nut Corporation. (See Anderson, Harley E., assignor.)
- Grisard Laboratories, Inc., The. (See Dyas, Clair S., assignor.)
- Griscom Russell Company, The. (See Brown, Stanley, assignor.)
- Griscom-Russell Company, The. (See Dewald, Edward A., assignor.)
- Griscom-Russell Company, The. (See Jones, Russell C., assignor.)
- Griscom-Russell Company, The. (See Price, Joseph, assignor.)
- Griscom, Samuel B., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Neutral impedance device. 1,963,166; June 19.
- Grisenti, Joseph, San Francisco, Calif. Automatic gear changing mechanism. 1,979,830; Nov. 6.

- Grisko, Joseph I., Cicero, Ill. Locating a tool for perforating metal containers. 1,959,862; May 22.
- Grisson, Joseph, New York, N. Y. Massaging device. Re19,043; Jan. 9.
- Grisson, Joseph, New York, N. Y. Device for providing carbon dioxide under pressure. 1,957,640; May 8.
- Griss, Frederick G., Perrysburg, Ohio. Leak detector for gas transmission lines. 1,959,863; May 22.
- Grissel, Francis M. (See Walch, Jacob S., assignor.)
- Grist, Edwin, Kokomo, Ind. Implement hitch. 1,965,495; July 3.
- Grist, Ralph A. S. (See Baker, T. T., Bonamico, and Grist.)
- Griswold, Hector C. (See Burd, G. C., and Griswold.)
- Griswold Manufacturing Company, The. (See Anderson, Carl R., assignor.)
- Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Tubular heating element. 1,942,694; Jan. 9.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Change speed mechanism. 1,954,126; Apr. 10.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 1,955,879; Apr. 24.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 1,957,775; May 8.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 1,962,191; June 12.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Rubber mounted flywheel. 1,982,658; Dec. 4.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,984,577; Dec. 18.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,984,578; Dec. 18.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,984,579; Dec. 18.
- Gro, Joseph C., Allentown, Pa. Performance gauging means for prime movers. 1,982,659; Dec. 4.
- Grob, Alfred. (See Walther, W. and Grob.)
- Grob, Benjamin, and T., West Allis, Wis. Filing machine. 1,949,742; Mar. 6.
- Grob, Benjamin and T., West Allis, Wis. Filing machine. 1,958,477; May 15.
- Grob, Hugo, Berlin, Germany. Armature construction for dynamo-electric machines. 1,943,432; Jan. 16.
- Grob, John J., North Arlington, N. J. Eliminator. 1,978,938; Oct. 30.
- Grob, Theodore. (See Grob, Benjamin and T.)
- Grobe, Julius J., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Fluoroscopic screen holder. 1,982,954; Dec. 4.
- Grobe, Julius J., Chicago, and A. J. Kizaur, Cicero, assignors to General Electric X-Ray Corporation, Chicago, Ill. X-ray apparatus. 1,947,846; Feb. 20.
- Grobe, William C., Anderson, Ind., assignor, by mesne assignments, to Mueller Co. Gas regulator. 1,973,704; Sept. 18.
- Grodsky, Vladimir A. (See Kuhn, G., and Grodsky.)
- Groen, Christopher, assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa. Lubrication system for power heads and the like. 1,959,203; May 15.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe. 1,944,281; Jan. 23.
- Groener, Samuel, Paris, France, assignor to F. Amato, New York, N. Y. Spirally-bound sheaf. 1,942,026; Jan. 2.
- Groener, Samuel, Paris, France, assignor to F. Amato, New York, N. Y. Binding for stacks of paper or the like. 1,985,776; Dec. 25.
- Groeneveld, Yme B. F. J., and E. Oosterhuis, Eindhoven, Netherlands, assignors to Radio Corporation of America. Vacuum tube. 1,971,447; Aug. 28.
- Groeniger, William C., Columbus, Ohio. Water closet bowl. Des. 91,696; Mar. 6.
- Groeniger, William C., Columbus, Ohio, assignor to Mueller Co., Decatur, Ill. Combined flush valve and water closet. 1,979,739; Nov. 6.
- Groetchen, Richard, Chicago, Ill. Vending machine. 1,978,395; Oct. 23.
- Groff, Earl J. (See Meyer, J. B., and Groff.)
- Groff, Emory L., Washington, D. C., assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy train. 1,974,330; Sept. 18.
- Groff, Emory L., Washington, D. C., assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy train. 1,974,331; Sept. 18.
- Groff, Emory L., Washington, D. C., assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy train. 1,975,418; Oct. 2.
- Groff, Frazier, Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Plastic composition. 1,966,856; July 17.
- Groff, Frazier, Berona, N. J., assignor to Bakelite Corporation, New York, N. Y. Molded articles containing inserts. 1,977,876; Oct. 23.
- Groff, Joseph C., Allentown, Pa. Mechanical power transmitting device. 1,970,960; Aug. 21.
- Grogan, Robert S. (See Stoddard, Charles F., assignor.)
- Grogan, Robert S., Chicago, Ill. Faucet mounting. Des. 92,845; July 24.
- Grogan, Walter R., and F. M. Kincaid, jr. Locking device. 1,967,007; July 17.
- Groggins, Philip H., and R. H. Nagel, Washington, D. C., assignors to H. A. Wallace as Secretary of Agriculture of the United States of America. Preparation of ketones. 1,966,797; July 17.
- Groh, Edward. (See O'Donnell, P. L., and Groh.)
- Groh, James H., Ocean Park, Calif. Safety razor. 1,974,182; Sept. 18.
- Groh, Robert C., assignor to W. H. Deubener, St. Paul, Minn. Shopping bag. 1,974,457; Sept. 25.
- Groll, Herbert P. A., and J. Burgin, Oakland, Calif. Manufacture of acetylene. 1,965,771; July 10.
- Groll, Herbert P. A., Berkeley, and J. H. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Removal of acetylene from gases. 1,965,100; July 3.
- Grommesch, Albert P. (See Draper, Charles D., assignor.)
- Grommesch, Albert P. (See Patterson, Samuel A., assignor.)
- Gron, Nicholas, Chicago, Ill. Tool holder. 1,956,023; Apr. 24.
- Gronbeck, Hans P., Pacific Beach, Calif. Composite window sash and screen. 1,980,990; Nov. 20.
- Gronbeck, Hans P., Pacific Beach, Calif. Awning construction. 1,980,991; Nov. 20.
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Frequency responsive apparatus. 1,959,161; May 15.
- Grondahl, Lars O., Pittsburgh, and P. H. Geiger, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Light sensitive apparatus. 1,970,135; Aug. 14.
- Groom, Roy L., and W. L. Ross, Jackson, Tenn. Lid or cover for journal boxes. 1,968,761; July 31.
- Groombridge, Walter H. (See Oxley, H. F., Groombridge, and Challis.)
- Groombridge, Walter H. (See Oxley, H. F., Groombridge, and Thomas.)
- Groombridge, Walter H. (See Thomas, E. B., Groombridge, and Oxley.)
- Grooms, Albert O., assignor to The Automatic Reclosing Circuit Breaker Company, Columbus, Ohio. Refrigerator control. 1,969,304; Aug. 7.
- Gropengiesser, Kurt, Levallois-Perret, France. Manufacturing margarine. 1,958,820; May 15.
- Grosset, John P., and C. J. Halset, assignors, by mesne assignments, to Ideal Machine Company, Chicago, Ill. Machine for making wafers. 1,962,144; June 12.
- Grosset, John P., and C. J. Halset, assignors to Ideal Machine Company, Chicago, Ill. Machine for making ice-cream cones and the like. 1,979,259; Nov. 6.
- Grosset, John P., and C. J. Halset, assignors to Ideal Machine Company, Chicago, Ill. Machine for making ice cream cones and the like. 1,981,862; Nov. 27.
- Groseth, Johannes. (See Erickson, M. A., and Groseth.)
- Grosjean, Alfred, Pasadena, assignor of one-half to E. Dundon, Altadena, Calif. Modernistic violin. Des. 92,900; July 31.
- Grosno, Charles R., Albuquerque, N. Mex. Cabinet. 1,967,765; July 24.
- Gross, Albert H., Oakland, Calif. Combination laundry-tray cover and drain-board. Des. 94,131; Dec. 25.
- Gross, Alexander S., Chicago, Ill. Dental tool. 1,954,623; Apr. 10.
- Gross, Carl G., Mount Vernon, assignor, by mesne assignments, to American Machine & Metals, Inc., New York, N. Y. Permanent waving. 1,980,680; Nov. 13.
- Gross, Edward, Portland, Oreg. Fire escape. 1,942,695; Jan. 9.
- Gross, Edward, Portland, Oreg. Fire escape. 1,982,865; Dec. 4.
- Gross, Frederick B. (See Fellers, W. M., and Gross.)
- Gross, Frederick B. (See Maxson, L. J., and Gross.)
- Gross, Hans. (See Junghänel, R. and Gross.)
- Gross, Harry, assignor to Concord Chenille Co., Inc., New York, N. Y. Knitted fabric. Des. 92,296; May 22.
- Gross, Harry E., Wyomissing, assignor to Reading Iron Company, Reading, Pa. Welding bell cushion. 1,976,555; Oct. 9.
- Gross, Howard H. (See Manley, R. E., and Gross.)
- Gross, Howard H., Beacon, assignor to The Texas Company, New York, N. Y. Refining hydrocarbon oils. 1,962,103; June 5.
- Gross, Joseph E., Sunbury, Pa. Device for gas filled luminous tube systems. 1,966,120; July 10.
- Gross, L. N., Company, The. (See Gross, Nedward N., assignor.)
- Gross, Louis, New York, N. Y. Fluid measuring and dispensing apparatus. 1,966,498; July 17.
- Gross, Nedward N., assignor to The L. N. Gross Company, Cleveland, Ohio. Preventing raveling of garment seams. 1,950,885; Mar. 13.
- Gross, Oswald M., Detroit, Mich. Automobile. Des. 91,711; Mar. 13.
- Gross, Oswald M., Detroit, Mich. Electric generative boiler. 1,968,940; Aug. 7.
- Gross, Paul M., and L. F. Dixon, Durham, N. C., assignors, by mesne assignments, to Hall Tobacco Chemical Company, Jersey City, N. J. Reducing the nicotine content of tobacco. 1,962,145; June 12.

- Gross, Paul M., Durham, N. C., and G. H. Flowers, Richmond, Va., assignors to Liggett & Myers Tobacco Company, New York, N. Y. Manufacturing and packaging cigarettes. 1,967,554; July 24.
- Gross, Paul M., Durham, N. C., and G. H. Flowers, Richmond, Va., assignors to Liggett & Myers Tobacco Company, New York, N. Y. Cigarette package and packaging cigarettes. 1,972,222; Sept. 4.
- Gross, Ralph A., assignor to Simplex Paper Box Corporation, Lititz, Pa. Paper box. 1,947,711; Feb. 20.
- Gross, Ralph A., assignor to Simplex Paper Box Corporation, Lititz, Pa. Paper box. 1,957,264; May 1.
- Gross, Ralph A., assignor to Simplex Paper Box Corporation, Lititz, Pa. Egg carton. 1,972,707; Sept. 4.
- Gross, Russell R., assignor to The Xylos Rubber Company, Akron, Ohio. Disintegrating and devulcanizing rubber scrap. 1,963,943; June 19.
- Gross, William H. (See Burdick, E. C., and Gross.)
- Grossen, Gottlieb, Washington, D. C. Sanitary dining room service. 1,956,572; May 1.
- Grosser, Orville B. (See Lupold, J. M., and Grosser.)
- Grossman, Harold, Newark, assignor of one-half to The American Lead Pencil Company, Hoboken, N. J., and one-half to Eberhard Faber Pencil Co., Brooklyn, N. Y. Pencil lead and making same. 1,970,603; Aug. 21.
- Grossman, Helen, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,075; Apr. 24.
- Grossman, Helen, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,076; Apr. 24.
- Grossman, Nicholas J., Lynn, Mass. Shoe. Des. 93,345; Sept. 18.
- Grossman, Nicholas J., Lynn, Mass. Shoe. Des. 93,346; Sept. 18.
- Grossman, Nicholas J., Lynn, assignor to Philco Shoe Corporation, Salem, Mass. Shoe. Des. 93,218; Sept. 4.
- Grossman, Nicholas J., Lynn, assignor to Philco Shoe Corporation, Salem, Mass. Shoe. Des. 93,219; Sept. 4.
- Grossman, Nicholas J., Lynn, assignor to Philco Shoe Corporation, Salem, Mass. Shoe. Des. 93,220; Sept. 4.
- Grossman, Nicholas J., Lynn, assignor to Philco Shoe Corporation, Salem, Mass. Shoe. Des. 93,394; Sept. 25.
- Grossman, Nicholas J., Lynn, assignor to Philco Shoe Corporation, Salem, Mass. Shoe. Des. 93,395; Sept. 25.
- Grossman, Nicholas J., Lynn, Mass., assignor to Philco Shoe Corporation, Salem, Mass. Shoe. Des. 93,617; Oct. 16.
- Grossman, Sasha R., New York, N. Y. Eye massaging device. Des. 91,939; Apr. 10.
- Grossmann, Paul, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. 1-alkylamino-4-arylamino-anthraquinones and making such products. 1,967,772; July 24.
- Grossmann, Paul, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Nitrogenous derivatives of the anthraquinone series and making same. 1,976,167; Oct. 9.
- Grossu, Mircea, Brasov, Rumania. Support for automatic firearms. 1,953,710; Apr. 3.
- Grosswege, John B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control means. 1,947,712; Feb. 20.
- Grosz, Karl, Budapest, Hungary, assignor to "Cary" Patentverwertungs-Aktiengesellschaft, Vaduz, Liechtenstein. Shoe. 1,972,339; Sept. 4.
- Grote, Irvine W. (See Kamm, O., Aldrich, and Grote.)
- Grote, Wolfgang, Berlin-Wilmersdorf, Germany, and P. Obergfell, New York, N. Y., assignors to Edeleanu Gesellschaft m. b. H. Treating lubricating oil stocks with liquid sulphur dioxide. 1,945,500; Jan. 30.
- Grote, Wolfgang, Berlin-Wilmersdorf, Germany, and P. Obergfell, New York, N. Y., assignors to Edeleanu Gesellschaft m. b. H. Continuous refining of mineral oils with liquid SO₂ and the like. 1,982,513; Nov. 27.
- Grotenhuis, William J., Chicago, Ill. Cutting device. 1,974,568; Sept. 25.
- Grotenhuis, William J., Chicago, Ill. Cutting device. 1,974,569; Sept. 25.
- Grotewold, Otto, Frankfurt-on-the-Main, Germany. Collar button. 1,984,610; Dec. 18.
- Groth, Bertil S. (See Blomqvist, G. H., and Groth.)
- Groth, Bertil S., and G. H. Blomqvist, Stockholm, Sweden. Manufacture of fufural. 1,960,812; May 29.
- Groth, Bertil S., and G. H. Blomqvist, assignors to Kemiska Kontrollbyran Aktiebolag, Stockholm, and Aktiebolaget A. Heyman, Vargarda, Sweden. Producing fufural. 1,946,688; Feb. 13.
- Grothaus, Gerard G., Cincinnati, Ohio. Ventilating apparatus for buildings. 1,968,680; July 31.
- Grotke, Alfred, Dülmen, Germany. Automatically acting fire protecting device for cinematographs. 1,953,600; Apr. 3.
- Grottes, Carl C., Park Ridge, Ill. Method of and machine for rolling beads in annular articles. 1,952,857; Mar. 27.
- Grottes, Carl C., Park Ridge, Ill. Weld trimming machine. 1,975,939; Oct. 9.
- Grotowsky, Hans, and W. Mühl, Crefeld-Uerdingen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of N-sulphoethyl compounds of arylamino sulphonic acids. 1,979,033; Oct. 30.
- Grove, Ralph, Brooklyn, N. Y. Typewriter key action. 1,960,872; May 29.
- Grover, Charles L., Kansas City, Mo. Connector clamp. 1,964,511; June 26.
- Grover, Clarence W., Highland Park, assignor to Grover Company, Detroit, Mich. Power control for a pneumatic tube carrier system. 1,973,954; Sept. 18.
- Grover Company. (See Grover, Clarence W., assignor.)
- Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Apparatus for folding wrappers around tablets. 1,955,493; Apr. 17.
- Grover, Frederick, assignor to Forgrove Machinery Company, Leeds, England. Automatic feed for cigar wrapping machines. 1,975,938; Oct. 9.
- Grover, Ray, Milwaukee, Wis. Piston ring manufacture. 1,977,910; Oct. 23.
- Groves, Herbert H., Kingsbury, England, assignor, by mesne assignments, to Desoutter-Swain Inc., New York, N. Y. Joint for artificial limbs. 1,975,040; Sept. 25.
- Groves, Jay, Seattle, Wash. Retention and traction for dentures. 1,947,907; Feb. 20.
- Grower, James G., Watertown, Mass., assignor to Respro Inc., Cranston, R. I. Making leather substitutes. 1,967,529; July 24.
- Grower, William F., trustee, et al. (See Pratt, Harry P., assignor.)
- Grubb, Gunnar A. (See von Platen, B. C., and Grubb.)
- Grubb, William J. (See Read, J., and Grubb.)
- Grubbs, Hayward I., El Monte, Calif. Valve lifter. 1,985,447; Dec. 25.
- Grube, Emil, assignor to International Narrow Fabric Company, Keene, N. H. Binding tape. 1,949,274; Feb. 27.
- Grube, Heinrich, assignor to Gebrüder Eickhoff, Maschinenfabrik und Eisengieserei, Bochum, Germany. Jigger conveyor. 1,944,790; Jan. 23.
- Grube, Owen Peter, Missoula, Mont. Automatic electric extension light. 1,975,419; Oct. 2.
- Grubenholzimpregnierung G. m. b. H. (See Wolman, K. H., and Pfäff, assignors.)
- Gruber, Joseph, Stanwood, assignor to International Wood and Sulphite Co., Seattle, Wash. Wood barking machine. 1,942,095; Jan. 2.
- Grubman, Leo J., Belle Harbor, Long Island, assignor to Margon Corporation, New York, N. Y. Artificial eyes for dolls, mannikins, and the like. 1,943,117; Jan. 9.
- Grubman, Leo J., Belle Harbor, assignor to Margon Corporation, New York, N. Y. Eye set and rubber doll's head utilizing the same. 1,947,293; Feb. 13.
- Grubman, Leo J., Belle Harbor, assignor to Margon Corporation, New York, N. Y. Movable eye set for dolls. 1,947,294; Feb. 13.
- Grubman, Leo J., Belle Harbor, assignor to Margon Corporation, New York, N. Y. Doll's eye. 1,963,129; June 19.
- Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Phonograph. 1,970,452; Aug. 14.
- Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Phonograph. 1,979,068; Oct. 30.
- Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Miniature phonograph. 1,983,078; Dec. 4.
- Gruenberg, Walter A., Royal Oak, assignor to Bilz-Em Toys, Inc., Detroit, Mich. Toy vehicle. Des. 91,354; Jan. 16.
- Gruenberg, Walter A., Royal Oak, assignor to Bilz-Em Toys, Inc., Detroit, Mich. Wheel for toy vehicles. 1,952,708; Mar. 27.
- Gruendel, Edward B., Chicago, Ill. Rotary floor treating machine. 1,948,815; Feb. 27.
- Gruetter, John R., Cleveland, Ohio, assignor to Liquid Carbonic Corporation, Chicago, Ill. Label removing machine. 1,979,383; Nov. 6.
- Grüis, Adolf, Berlin-Friedenau, Germany. Appliance for driving in nails. 1,977,382; Oct. 16.
- Grüis, Adolf, Berlin-Friedenau, Germany. Device for hammering in nails. 1,977,383; Oct. 16.
- Grulee, Lowry K. (See Wallace, W. F., and Grulee.)
- Grulich, Anton, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,077; Apr. 24.
- Gruman, Horace F., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Sewing machine. 1,941,743; Jan. 2.
- Gruman, Horace F., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Combined seaming and pinking machine. 1,956,677; May 1.
- Gruman, Horace F., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Top feeding mechanism for sewing machines. 1,958,337; May 8.
- Gruman, Horace F., and C. L. Knower, Kirkwood, Mo. Sewing machine. 1,949,073; Feb. 27.
- Grumman, Leroy R., Port Washington, assignor to Montauk Research Corporation, Farmingdale, N. Y. Structural member. 1,975,228; Oct. 2.
- Grund, Fletcher D., deceased, Weston, by The American Swiss Company, Toledo, Ohio, assignee. Dog releasing device for door. Re19,223; June 26.
- Grundhand, Louis, and J. MacDonald, Salt Lake City, Utah. Pouring device. 1,960,152; May 22.
- Gründler, Herta, Berlin-Wilmersdorf, assignor to Elektrizitätsgesellschaft "Saniras", Berlin, Germany. Water faucet. 1,980,199; Nov. 13.
- Grundmann, Erich. (See Meier, H., and Grundmann.)
- Grundy, John R., Philadelphia, Pa. Flexible coupling. 1,948,708; Feb. 27.

- Grune, Max, assignor to Schön & Cie. A. G., Pirmasens, Germany. Machine for delasting boots and shoes. 1,984,263; Dec. 11.
- Grunewald, Max E. (See Uble, D. J., and Grunewald.)
- Grunow Corporation. (See Wexelberg, Clarence, assignor.)
- Grunsky, Charles, San Francisco, Calif. Fluid proportioning device. 1,961,350; June 5.
- Grunwald, Julius. (See Blechschmidt, Günter, assignor.)
- Grunwald, Albert C., River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill. Holder for frozen confections. 1,976,610; Oct. 9.
- Grunwald, Hugo W. (See Webber, Ray R., assignor.)
- Grunzig, Walter, Stuttgart, and C. Baumgärtel, Zeulenroda, assignors to Julius Rompler Aktiengesellschaft, Zeulenroda, Germany. Radio-active rubber threads. 1,980,519; Nov. 13.
- Grupe, William F., Lyndhurst, N. J., assignor to Ebco Machine Corporation, New York, N. Y. Cut-off mechanism for cigarette-rod-forming machines. 1,972,442; Sept. 4.
- Grupe, William F., Lyndhurst, N. J., assignor to H. H. Straus, New York, N. Y. Gummed paper booking machine. 1,980,400; Nov. 13.
- Grupp, Paul J., Chicago, Ill. Machine for drawing designs. 1,980,917; Nov. 13.
- Gruse, William A. (See Hjerpe, E. B., and Gruse.)
- Gruse, William A. (See Stevens, D. R., and Gruse.)
- Gruse, William A., Wilkinsburg, assignor to Gulf Refining Company, Pittsburgh, Pa. Sealing liquid and making same. 1,985,860; Dec. 25.
- Grüss, Heinz, Berlin-Staaken, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Hygrometer. 1,956,386; Apr. 24.
- Gruss, Lucien R., Cleveland, Ohio. Shock absorber. 1,969,508; Aug. 7.
- Gruss, Lucien R., Cleveland, Ohio. Hydro-pneumatic shock absorber for motor vehicles. 1,982,471; Nov. 27.
- Gruss, Roland M., assignor of one-half to G. H. Devany, San Francisco, Calif. 1,971,003; Aug. 21.
- Gstvr, Joseph, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 1,969,841; Aug. 14.
- Gualtieri, Julius, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Manually operated rivet setter. 1,983,851; Dec. 11.
- Gualtierotti, Gualtiero, Milan, Italy. System for colored cinematographic projection by addition synthesis. 1,951,693; Mar. 20.
- Gualtierotti, Gualtiero, Milan, Italy. Bichromatic recording and projection of images in natural colors. 1,955,804; Apr. 24.
- Gualtierotti, Gualtiero, Milan, Italy. Cinematographic picture talking and projecting machine. 1,984,264; Dec. 11.
- Guaranty Produce Company. (See Hatcher, Glenn, assignor.)
- Guardian Trust Company, The. (See Andrews, Champe S., assignor.)
- Guardian Trust Company, The. (See Snyder, George C., assignor.)
- Guardian Trust Company, The, trustee. (See Page, John E., assignor.)
- Gubelmann, Ivan. (See Dettwyler, W., and Gubelmann.)
- Gubelmann, Ivan. (See Goodrich, R. J., and Gubelmann.)
- Gubelmann, Ivan, Wilmington, Del. assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Vat dyestuff paste. 1,977,272; Oct. 16.
- Gubelmann, Ivan, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flaked resorcinol. 1,979,971; Nov. 6.
- Gubelmann, Ivan, South Milwaukee, and W. Dettwyler, Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Anthraquinone-acridone derivatives and preparing the same. 1,969,216; Aug. 7.
- Gubelmann, Ivan, Wilmington, Del., H. J. Weiland, South Milwaukee, Wis., and H. B. Gottlieb, Chicago, Heights, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted o-benzoyl-benzoic acid. 1,970,908; Aug. 21.
- Gubelmann, Ivan, Wilmington, Del., H. J. Weiland, South Milwaukee, Wis., and H. B. Gottlieb, Chicago Heights, Ill., assignors to E. I. du Pont de Nemours and Company, Wilmington, Del. Anthraquinone compound. 1,970,909; Aug. 21.
- Gubelmann, Ivan, and R. J. Goodrich, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Highly halogenated anthraquinone-acridone compound and its production. 1,972,093; Sept. 4.
- Gubelmann, Ivan, and R. J. Goodrich, South Milwaukee, and W. Dettwyler, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone-acridone series. 1,972,095; Sept. 4.
- Gubelmann, Ivan, and C. O. Henke, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Purification and hydrogenation of pyridines. 1,975,843; Oct. 9.
- Gubelmann, William S., Brooklyn, N. Y. Printing machine. 1,968,386; July 31.
- Gubelmann, William S., Brooklyn, N. Y. Power mechanism. 1,968,387; July 31.
- Gubelmann, William S., Brooklyn, N. Y. Motor mechanism. 1,971,680; Aug. 28.
- Gubler, Ulrich, Ennetbaden, assignor to Micafl Aktien-gesellschaft, Alstetten, near Zurich, Switzerland. Making electrically insulating form pieces. 1,944,508; Jan. 23.
- Guckes, George C., et al. (See Namet, Julius, assignor.)
- Gudgen, Herbert T. (See Walton, R. C., and Gudgen.)
- Gudgeon, Stephen A., and J. B. Wemmer, La Farge, Wis. Fluid brake. 1,945,606; Feb. 6.
- Gudmundsen, Austin, Milwaukee, Wis. Water cooler and method of cooling water. 1,941,798; Jan. 2.
- Gudmundsen, Austin, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Metallurgy of iron. 1,941,983; Jan. 2.
- Guedel, Walter M., Los Angeles, Calif. Device for cleaning lawns, yards, and the like. 1,949,904; Mar. 6.
- Guedon, Emile C., Camden, N. J., assignor to Radio Corporation of America. Translating device. 1,983,937; Dec. 11.
- Guedry, Edith A., administratrix. (See Guedry, France E., assignor.)
- Guedry, France E., deceased, E. A. Guedry, administratrix, assignor to E. A. Guedry, Fort Worth, Tex. Interleaving or slip-sheeting device for printing and duplicating machines. 1,953,907; Apr. 3.
- Guelry, W. & L. E. (See Egy, W. L., and Smart, assignors.)
- Guempel, Robert R., Hasbrouck Heights, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 1,970,453; Aug. 14.
- Guenst, William, Philadelphia, Pa. Etching machine. 1,947,391; Feb. 13.
- Guenst, William, Philadelphia, assignor of one-half to E. L. Ruby, Jenkintown, Pa. Heating device for railroad rails and switches. 1,952,589; Mar. 27.
- Guenst, William, Philadelphia, assignor of one-half to E. L. Ruby, Jenkintown, Pa. Heating device for railroad rails and switches. 1,952,590; Mar. 27.
- Guenther, Fritz, and K. Saftien, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of organic products from 7.18-stearic glycol. Re19,194; June 5.
- Guenther, Fritz, and K. Saftien, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of organic products from 7.18-stearic glycol. 1,942,812; Jan. 9.
- Guenther, Henry L., Los Angeles, Calif. Can packing device. 1,972,841; Sept. 4.
- Guenther, Joseph M., Buffalo, N. Y. Card or sheet feeding mechanism. 1,979,153; Oct. 30.
- Guenther, William H., assignor to Detroit Michigan Stove Company, Detroit, Mich. Electric cooking range. 1,969,555; Aug. 7.
- Guerin, Amedee N., San Bruno, Calif. Nursing bottle holder. 1,964,753; July 3.
- Guerlain Perfumery Corporation of Delaware. (See Guerlain, Raymond, assignor.)
- Guerlain, Raymond, Paris, France, assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del. Bottle. Des. 92,078; Apr. 24.
- Guermont, Miguel E. (See Christie, B. A., Guermont, and Taylor.)
- Guernsey, Charles O., Philadelphia, Pa. Clutch operating mechanism. Re19,071; Feb. 6.
- Guernsey, Charles O., Philadelphia, Pa. Hydraulic braking apparatus. 1,960,996; May 29.
- Guernsey, Charles O., Yeadon, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Internal combustion engine. 1,977,127; Oct. 16.
- Guerrieri, Antonio B., Rome, Italy. Relay. 1,966,549; July 17.
- Guerlin, Frank, Minneapolis, assignor of one-half to J. E. Hawe, St. Paul, Minn. Lined furnace wall and supporting bracket therefor. 1,975,146; Oct. 2.
- Guest, James J., Abbey Wood, England. Hyperboloidal worm gearing. 1,971,260; Aug. 21.
- Guest, Mary E. (See Guest, William W., assignor.)
- Guest, Stanton A. (See Small, T. W., and Guest.)
- Guest, William W., assignor to M. E. Guest, Los Angeles, Calif. Automatic control for crushing machines. 1,967,240; July 24.
- Guest, William W., assignor to M. E. Guest, Los Angeles, Calif. Yielding jaw crushing machine. 1,972,096; Sept. 4.
- Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Automatic circuit breaker. 1,966,444; July 17.
- Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Overload circuit breaker. 1,975,041; Sept. 25.
- Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Feed roll for presses. 1,978,303; Oct. 23.
- Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric switch with position indicating means. 1,979,196; Oct. 30.
- Guettler, H. W., President of Fibre Making Processes, Inc. (See Tuckerman, Ernst, assignor.)
- Gueux, Joseph J.-M., Ivry-sur-Seine, France. Operating mechanism for feeding apparatus for liquids. 1,978,864; Oct. 30.
- Gueydan, Arthur, Echandes, Vaud, Switzerland. Race game apparatus. 1,951,051; Mar. 13.
- Guffer, Dorothea R., Emporia, Kans. Boy doll. Des. 93,919; Nov. 27.

- Guffer, Dorothea R., Emporia, Kans. Girl doll. Des. 93,920; Nov. 27.
- Guggenheim Brothers. (See Gleason, G. H., and Loonam, assignors.)
- Guggenheim, Marcus, Basel, Switzerland, assignor to Hoffmann-LaRoche Inc., Nutley, N. J. Derivatives of the dihydroxy-benzenes and manufacture of same. 1,960,184; May 22.
- Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Hosiery drying apparatus. 1,941,893; Jan. 2.
- Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Hosiery filler apparatus. 1,973,379; Sept. 11.
- Gugler Lithographic Company, The. (See Daub, Guido, assignor.)
- Guhl, Maclyn, Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,079; Apr. 24.
- Guhl, Maclyn, Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,080; Apr. 24.
- Guhl, Maclyn, Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,081; Apr. 24.
- Guhl, Maclyn, Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,082; Apr. 24.
- Guhl, Maclyn, Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,083; Apr. 24.
- Guhl, Maclyn, Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,084; Apr. 24.
- Guhl, Maclyn, Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,085; Apr. 24.
- Guhl, Maclyn L., Forest Hills, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,172; May 8.
- Gühlloff, Fritz, Berlin-Reinickendorf, Germany. Automatically acting, marking, and cutting device for machines for producing and treating strip-shaped bodies. 1,947,591; Feb. 20.
- Gühring, Eugen. (See Hagedorn, M., and Gühring.)
- Gühring, Eugen. (See Hagedorn, M., Gühring, and Reichert.)
- Guiberson Corporation, The. (See Guiberson, William R., assignor.)
- Guiberson Corporation, The. (See Standlee, Harvey R., assignor.)
- Guiberson Diesel Engine Company. (See Thaheld, Ferl A., assignor.)
- Guiberson Diesel Engine Company. (See Thaheld, F. A., and Crickmer, assignors.)
- Guiberson, William R., assignor to The Guiberson Corporation, Dallas, Tex. Tubing catcher. 1,950,793; Mar. 13.
- Guidetti, Ferruccio, Elmhurst, N. Y. Water closet appliance. 1,962,014; June 5.
- Guidetti, Ferruccio, Elmhurst, N. Y. Sanitary water closet. 1,966,951; July 17.
- Guidetti, Ferruccio, Elmhurst, and G. M. Sacerdote, Bay-side, assignors to The Watairway Manufacturing Corporation, Elmhurst, Long Island, N. Y. Flushing arm attachment for water closets. 1,949,415; Mar. 6.
- Guier, William C. (See Cardwell, H. W., and Guier.)
- Guignet, Léon A., La Varenne St.-Hilaire, assignor to Compagnie Royale Asturienne Des Mines, Paris, France. Cartridge shell. 1,974,270; Sept. 18.
- Guild, Frank, Mount Kisco, N. Y. Pneumatic sole for shoes. 1,979,972; Nov. 6.
- Guild, Lurelle, Darien, Conn., assignor to C. F. Church Mfg. Co., Holyoke, Mass. Neo-classic bathroom chair. Des. 91,268; Jan. 2.
- Guild, Lurelle, Darien, Conn., assignor to C. F. Church Mfg. Co., Holyoke, Mass. Neo-classic bathroom chair. Des. 91,269; Jan. 2.
- Guild, Lurelle, Darien, Conn., assignor to C. F. Church Mfg. Co., Holyoke, Mass. Beauty box. Des. 91,818; Mar. 27.
- Guild, Lurelle, Darien, Conn., assignor to C. F. Church Mfg. Co., Holyoke, Mass. Wall vanity. Des. 91,819; Mar. 27.
- Guild, Lurelle, Darien, Conn., assignor to C. F. Church Mfg. Co., Holyoke, Mass. Vanity make-up mirror. Des. 91,820; Mar. 27.
- Guild, Lurelle, Darien, Conn., assignor to May Oil Burner Corporation. Burner casing. Des. 92,846; July 24.
- Guild, Lurelle, Darien, Conn., assignor to Electric Household Utilities Corporation, Cicero, Ill. Cabinet for washing machines or the like. Des. 93,101; Aug. 21.
- Guild, Lurelle, Noroton, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Lamp. Des. 91,460; Feb. 6.
- Guild, Lurelle, Noroton, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Lamp. Des. 91,461; Feb. 6.
- Guild, Lurelle, Noroton, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Candlestick. Des. 91,821; Mar. 27.
- Guild, Lurelle, Noroton, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Center piece for a dining table or similar article. Des. 91,874; Apr. 3.
- Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Sugar bowl. Des. 94,132; Dec. 25.
- Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Coffee server. Des. 94,133; Dec. 25.
- Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tea server. Des. 94,134; Dec. 25.
- Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Memorandum book cover. Des. 94,135; Dec. 25.
- Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Desk stand. Des. 94,136; Dec. 25.
- Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Ice tongs. Des. 94,137; Dec. 25.
- Guild, Lurelle Van A., Noroton, Conn., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Wringing head for washing machines. Des. 91,267; Jan. 2.
- Guild, Lurelle Van A., Norton, Conn., assignor to The Slinger Manufacturing Company, Elizabeth, N. J. Vacuum cleaner casing. Des. 93,100; Aug. 21.
- Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,948,914; Feb. 27.
- Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,971,138; Aug. 21.
- Guild, Waldo J., and H. L. Blood, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,964,433; June 26.
- Guildford, Joseph R., Regina, Saskatchewan, Canada. Steam valve. 1,954,044; Apr. 10.
- Guildford, Joseph R., Regina, Saskatchewan, Canada. Steam valve or the like. 1,962,558; June 12.
- Guille, Walter J., New York, N. Y. Self-feeding flower-pot. 1,948,031; Feb. 20.
- Guillemin-Tarayre, Jean. (See Neveu, A., and Guillemin-Tarayre.)
- Guillissen, Joseph, Brussels, Belgium. Manufacture of lithopone. 1,975,716; Oct. 2.
- Guillo, Harry P., assignor to General Printing Ink Corporation, New York, N. Y. Grinding mill. 1,961,291; June 5.
- Guimaraes, Ricardo 2d, Sao Paulo, Brazil. Vehicle brake arrangement. 1,985,346; Dec. 25.
- Guin, Lester W., Mishawaka, assignor to South Bend Current Controller Company, South Bend, Ind. Remote control interlocking oil switch. 1,945,775; Feb. 6.
- Guinand André P., (See Berger, Jacques L. B., assignor.)
- Guinn, Walford P., and W. W. Brooks, League City, Tex. Pressurized alleviator. 1,950,107; Mar. 6.
- Guinot, Henri M., (See Ricard, E., and Guinot.)
- Guinot, Henri M., Mardre, assignor to Usines de Melle, Melle, France. Producing methyl-isobutyl carbinol. 1,965,829; July 10.
- Guinot, Henri M., assignor of one-half to Societe Anonyme: Usines de Melle, Melle, France. Rectifying alcohol. 1,973,529; Sept. 11.
- Guinot, Henri M., Melle, assignor to Usines de Melle, Melle, Deux-Sevres, France. Manufacture of acetic acid from alcohol. 1,982,160; Nov. 27.
- Guisinger, Earl C., Gibsonburg, Ohio. Decoration of ceramic ware. 1,951,868; Mar. 20.
- Guitant, Fernand A., (See Vaudet, P. L., and Guitant.)
- Guterman, Kenneth S., Hewlett, Long Island, N. Y. Shingle. 1,971,932; Aug. 28.
- Guitton, Henry, Montreal, Quebec, Canada, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 92,397; June 5.
- Gulan, Stanley, sr. and S. P., jr., Kenosha, Wis. Adjustable spindle pin. 1,946,738; Feb. 13.
- Gulan, Stanley P., jr. (See Gulan, Stanley, sr., and S. P., jr.)
- Gulf Pipe Line Company. (See Irvin, John L., assignor.)
- Gulf Refining Company. (See Gruse, William A., assignor.)
- Gulf Refining Company. (See Hjerpe, E. B., and Gruse, assignors.)
- Gulf Refining Company. (See McAfee, Almer M., assignor.)
- Gulf Refining Company. (See Smith, Herschel G., assignor.)
- Gulf Refining Company. (See Stevens, D. R., and Gruse, assignors.)
- Gulf Refining Company of Louisiana. (See Capps, William P., assignor.)
- Gulf Research & Development Corporation. (See Lane, Abbott A., assignor.)
- Gulf States Steel Company. (See Brugge, Benjamin C., assignor.)
- Gulf States Steel Company. (See Delany, Albanus G., assignor.)
- Gulf States Steel Company. (See Shannon, Maurice C., assignor.)
- Gulick, David E. (See Crane, R. E., and Gulick.)
- Gulick, Fred E., Portland, Oreg. Dental dimensionator. 1,944,601; Jan. 23.
- Gulla, Alexander, Beaver, Pa. Safety trolley wire holder. 1,949,833; Mar. 6.
- Gullborg, John S., Chicago, Ill. Transom and window adjuster and lock. 1,968,388; July 31.
- Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)

- Gullette, Willis S., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,959,669; May 22.
- Gullette, Willis S., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,985,029; Dec. 18.
- Gullicksen, Ole, assignor to Churchill Cabinet Company, Chicago, Ill. Telephone booth. 1,948,755; Feb. 27.
- Gulliken, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,981,040; Nov. 20.
- Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,976,611; Oct. 9.
- Gulliksen, Finn H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic synchronizer. 1,977,384; Oct. 16.
- Güllner, Georg, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupling system. 1,965,640; July 10.
- Gum, Lorraine E., Wheeler, Tex. Storage battery. 1,973,250; Sept. 11.
- Gummed Products Company, The. (See Herrlinger, Paul W., assignor.)
- Gummert, James S., Tarentum, and J. E. Hutchinson, assignors to Pennsylvania Salt Manufacturing Company, Pittsburgh, Pa. Protection of molten baths. 1,970,136; Aug. 14.
- Gump, B. F., Co. (See Allison, Charles F., assignor.)
- Gump, B. F., Co. (See Allison, C. F., and Naeher, assignors.)
- Gump, B. F., Co. (See Woodhead, H. G., and Williams.)
- Gumport, Leonard A., New York, N. Y. Manufacture of four-in-hand neckties. 1,948,172; Feb. 20.
- Gumpper, Harold D., assignor to M. T. Gumpper, Detroit, Mich. Housing for a motor-generator set. 1,947,713; Feb. 20.
- Gumpper, Marjorie T. (See Gumpper, Harold D., assignor.)
- Gumprich, William, Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Reading device for a scale. 1,954,045; Apr. 10.
- Gund, Katherine. (See Sanford, F. W., and Marbach, assignors.)
- Gundelach, Albert E., Chicago, Ill. Tray. 1,953,933; Apr. 10.
- Gundelfinger, William E., assignor to Knapp-Monarch Company, Belleville, Ill. Corn popper stirrer. 1,974,611; Sept. 25.
- Gundelfinger, William E., St. Louis, Mo., assignor to Knapp-Monarch Company, Belleville, Ill. Heater attachment for fans. 1,982,382; Nov. 27.
- Gunderson, George G., assignor to French Battery Company, Madison, Wis. Extension lamp flash light. 1,959,979; May 22.
- Gunderson, Lewis O., assignor, by mesne assignments, to Electro-Chemical Engineering Corporation, Chicago, Ill. Method and apparatus for preventing foaming of liquids. 1,984,210; Dec. 11.
- Gunderson, Norris E., Mitchell, S. Dak. Pump. 1,974,183; Sept. 18.
- Gundlach, Henry R., Baltimore, Md., assignor to Central Commercial Company. Colored roofing granule. 1,943,525; Jan. 16.
- Gundlach, Severin N., assignor to Specialty Tool Manufacturers, Inc., Belleville, Ill. Shingle cutter. 1,981,695; Nov. 20.
- Gundry, Eldon P., Flint, assignor to General Motors Corporation, Detroit, Mich. Fender well tire carrier. 1,973,853; Sept. 18.
- Gunite Foundries Corporation. (See Forbes, Duncan P., assignor.)
- Gunn, Charles H., Burlingame, Calif. Fertilizer distributor. 1,979,541; Nov. 6.
- Gunn, Earl G., assignor to Walker Manufacturing Co., Racine, Wis. Muffler. 1,949,074; Feb. 27.
- Gunn, Earl G., Racine, Wis., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Vibration dampener for crank shafts. 1,950,886; Mar. 13.
- Gunn Furniture Company. (See Gunn, William E., assignor.)
- Gunn, Ross, Washington, D. C. Apparatus for measuring altitude. 1,942,421; Jan. 9.
- Gunn, Ross, Washington, D. C. Electrical marking device for airplane landing fields. 1,947,469; Feb. 20.
- Gunn, Ross, Washington, D. C. Constant speed air motor. 1,954,811; Apr. 17.
- Gunn, Ross, Washington, D. C. Alternating current inductor compass. 1,976,723; Oct. 16.
- Gunn, Ross, Washington, D. C., assignor to Bendix Research Corporation, East Orange, N. J. Inductor compass. 1,963,551; June 19.
- Gunn, Ross, Washington, D. C., assignor to Radio Corporation of America, New York, N. Y. Modulation system. 1,966,065; July 10.
- Gunn, William E., assignor to Gunn Furniture Company, Grand Rapids, Mich. Table top construction. 1,951,608; Mar. 20.
- Gunnard, Andrew, et al. (See Clancy, Frank J., assignor.)
- Günner, Georg, Berlin-Siemensstadt, Germany, assignor to General Electric Company. Alternating current commutator machine. 1,953,802; Apr. 3.
- Günner, Georg, Berlin-Siemensstadt, Germany, assignor to General Electric Company. Alternating current commutator machine. 1,953,803; Apr. 3.
- Guntermann, Wilhelm, and K. Stoll, Berlin, Germany. Hollow rod. 1,947,392; Feb. 13.
- Gunther, Konrad, Detroit, Mich. Safety bathing garment and life preserver. 1,947,005; Feb. 13.
- Gunther, William H., assignor of one-half to T. P. Hinckley, San Francisco, Calif. Golf bag support. 1,970,849; Aug. 21.
- Gunthorp, Cecil H., Des Plaines, assignor to Economy Fuse and Manufacturing Co., Chicago, Ill. Fuse. 1,968,642; July 31.
- Guntrup, Paul C., Canton, Ohio. Coffeepot. 1,964,151; June 26.
- Günzel, Rudolf, Hamburg, Germany. Nonrefillable bottle. 1,978,304; Oct. 23.
- Guptail, Clarence H. (See Showalter, V. E., and Gupta, et al.)
- Gupton, Oscar E., Liberal, Kans. Sharpening device. 1,955,366; Apr. 17.
- Guralnik, Isidore. (See Drucker, A., Gluckman, and Guralnik.)
- Gurbacki, Vincent, Chicago, Ill. Folding stool. 1,982,295; Nov. 27.
- Gurganus, Edith C., Memphis, Tenn. Flower container stand. Des. 93,768; Nov. 6.
- Gurley, Bessie M. (See Gurley, James R., assignor.)
- Gurley, James R., assignor to Bessie M. Gurley, Akron, Ohio, and himself. Nail set. 1,980,583; Nov. 13.
- Gurley, Roger K., Chatham, N. J., assignor to American Telephone and Telegraph Company. System for selective calling of telegraph stations. 1,943,475; Jan. 16.
- Gurley, W. & L. E. (See Arms, Edward W., assignor.)
- Gurley, W. & L. E. (See Dodds, Robert P., assignor.)
- Gurman, Earl V. (See Vick, C. L., and Adams.)
- Gurnee, Isaac Q., Butler, N. J. Hard rubber handle for knives, forks, or like articles and making the same. 1,978,532; Oct. 30.
- Gurney, Albert J., assignor to The American Mine Door Company, Canton, Ohio. Steak slicing and dicing machine. 1,979,464; Nov. 6.
- Gurney, Daniel, assignor to Landis Tool Company, Waynesboro, Pa. Sizing device for grinding machines. 1,982,161; Nov. 27.
- Gurney Elevator Company. (See Federici, Vincent, assignor.)
- Gurney Elevator Co., The. (See Gale, Ernest L., assignor.)
- Gurney Elevator Co., The. (See Hammell, Charles E., assignor.)
- Gurney, Erving R., Sea Cliff, N. J., assignor to International Motor Company, New York, N. Y. Engine mounting. 1,973,147; Sept. 11.
- Gurrieri, Louis and S., Canarsie, N. Y. Fishing rod tip end. 1,984,349; Dec. 11.
- Gurrieri, Salvatore. (See Gurrieri, Louis and S.)
- Gursky, Hyman, and M. Volkes, Brooklyn, N. Y. Folding cot. Re19,355; Oct. 30.
- Gürtler, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Thermionic tube three-phase cathode. 1,954,203; Apr. 10.
- Gürtler, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency multiplication. 1,965,641; July 10.
- Gürtler, Rudolph, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Filament for thermionic tubes. 1,966,242; July 10.
- Gurton, William S., J. Flint and H. Nyberg, assignors to Dominion Truck Equipment Co. Limited, Kitchener, Ontario, Canada. Fifth wheel connector for semitrailers. 1,941,682; Jan. 2.
- Gurwick, Irving, New York, N. Y., assignor, by mesne assignments, to Shellmar Products Company, Chicago, Ill. Collector for sheets of paper. 1,981,621; Nov. 20.
- Gury, John B., St. Louis, Mo. Sharpener for cutting machines. 1,957,776; May 8.
- Gury, John B., Jr., assignor to J. B. Gury Mfg. Co., St. Louis, Mo. Cloth cutting machine. 1,983,129; Dec. 4.
- Gury, J. B., Mfg. Co. (See Gury, John B., Jr., assignor.)
- Guskea, Andrew E., S. Homa, and J. Schultz, Toronto, Ohio. Apparatus for pressing clay products. 1,945,399; Jan. 30.
- Gustafson, Albert W., Jersey City, N. J. Combination auto driven car and truck. 1,957,712; May 8.
- Gustafson, Axel E., et al. (See Bergquist, Arthur E., assignor.)
- Gustafson, Carl A., assignor to Caterpillar Tractor Co., Minneapolis, Minn. Road-grading machine. 1,941,833; Jan. 2.
- Gustafson, Carl A., assignor to Pioneer Gravel Equipment Manufacturing Company, Minneapolis, Minn. Stone crusher. 1,945,853; Feb. 6.
- Gustafson, Carl G., Brooklyn, N. Y. Rotary internal combustion engine. 1,943,937; Jan. 16.
- Gustafson, Carl J. (See Bailey, W. H., and Gustafson.)
- Gustafson, Charles J. (See Mock, F. C., Gustafson, and Chandler.)
- Gustafson, Ernest B., New York, N. Y. Agricultural implement. 1,945,311; Jan. 30.
- Gustafson, Gunnar D., and G. P. Larsson, assignors to Largus Manufacturing Company, Chicago, Ill. Sifting utensil. 1,953,601; Apr. 3.
- Gustafson, Gustav A., assignor, by mesne assignments, to T. J. Nienhaus, Detroit, Mich. Stock pusher. 1,964,941; July 3.

- Gustafson, Hjalmer C., assignor of one-half to W. F. and C. H. Pigg, Denver, Colo. Renewable base for bowling pins. 1,971,948; Aug. 28.
- Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 1,948,660; Feb. 27.
- Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 1,948,661; Feb. 27.
- Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 1,984,185; Dec. 11.
- Gustavson, George K. (See Lowe, M. Y. W., and Gustavson.)
- Gustavson, Oscar W., Lancaster, Mass. Game. 1,944,317; Jan. 23.
- Gustafsson, Nils G. A., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Carburetor. 1,980,520; Nov. 13.
- Gustin, Anton, Oconto Falls, Wis., assignor to Continental Paper & Bag Corporation, New York, N. Y. Manufacturing pulp. 1,961,351; June 5.
- Gustin-Bacon Manufacturing Co. (See Anderson, Harley E., assignor.)
- Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Base cut-out. 1,950,028; Mar. 6.
- Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Lamp base contact. 1,965,231; July 3.
- Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Bulb for mechanical basing. 1,965,232; July 3.
- Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Incandescent filament electric lamps. 1,975,844; Oct. 9.
- Gustin, Daniel S., and E. Dietz, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Cut-out for series lamps. 1,941,984; Jan. 2.
- Gustin, Daniel S., Bloomfield, A. Bonney, jr., Verona, and C. Fleischmann, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Mechanical base. 1,957,708; May 8.
- Gustin, John E. (See Schlachter, Carl A., assignor.)
- Gustine, Franklin J., New Orleans, La. Spring operated mechanical toy. 1,985,657; Dec. 25.
- Gutberlet, Charles J., and G. D. Cox, Philadelphia, Pa. Number plate for dial telephone instruments. 1,963,439; June 19.
- Guthhoffnungshutte Oberhausen Aktiengesellschaft. (See Heckel, W., and Nashan, assignors.)
- Gutgesell, William F., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Punching machine. 1,978,900; Oct. 30.
- Guth, Edwin F., Webster Groves, Mo. Lighting fixture. 1,951,406; Mar. 20.
- Guth, Edwin F., Webster Groves, Mo. Lighting fixture. 1,962,067; June 5.
- Guth, Edwin F., Webster Groves, Mo. Lighting fixture. 1,962,068; June 5.
- Guth, Edwin F., Webster Groves, Mo. Lighting fixture. 1,962,069; June 5.
- Guth, Fred O., assignor to Automatic Mutual Ticket Protector Corporation, Chicago, Ill. Automatic mutual ticket protector. 1,976,612; Oct. 9.
- Guth, Stern & Co. Inc. (See Osterman, Samuel, assignor.)
- Guthrie, Charles C., Pittsburgh, Pa. Lensless spectacles. 1,959,915; May 22.
- Guthrie, Harry A., U. S. Navy. Apparatus for fueling engines. 1,960,243; May 29.
- Guthrie, James, Elyria, Ohio. Conduit tractor. 1,976,990; Oct. 16.
- Guthrie, James M. (See Yates, P., and Guthrie.)
- Guthrie, James M., Pittsburgh, Pa., assignor to Sutton Engineering Company. Sheet leveler. 1,968,389; July 31.
- Guthrie, Keith O., Pleasantville, N. Y. Pulp wood reclaimer. 1,969,367; Aug. 7.
- Guthrie, Roy R. (See Tipica, Harry T., assignor.)
- Gutierrez, A., Inc. (See Ciolino, Charles N., assignor.)
- Gutierrez, A., Inc. (See Dwyer, Richard J., assignor.)
- Gutierrez, Paul P. (See Heckendorf, Paul, assignor.)
- Gutman, John F., St. Albans, assignor of forty-five per cent to H. W. Mill, Bellaire, and forty-five per cent to H. Mill, Glendale, N. Y. Vegetable cutter. 1,962,737; June 12.
- Gutman, Louis, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Lock. 1,957,586; May 8.
- Gutmann, Ferdinand, & Co. (See Eisen, Jay B., assignor.)
- Gutmann, Ferdinand, & Co. (See Waring, Olaf I., assignor.)
- Gutmann, John, St. Albans, N. Y. Kitchen sink and depository. 1,971,933; Aug. 28.
- Gutmann, John, jr., assignor to Motor Jack Corporation, New York, N. Y. Jacking apparatus for motor vehicles. 1,962,736; June 12.
- Gutmann, John, jr., St. Albans, N. Y., and A. M. Wolf, Newark, N. J., assignors to Motor Jack Corporation, New York, N. Y. Jacking apparatus. 1,954,994; Apr. 17.
- Guttinger, Oskar, assignor to Schindler & Cie., Lucerne, Switzerland. Safety connection on electric lifts. 1,975,420; Oct. 2.
- Guttman, Joseph, New York, N. Y. Knitted dress. Des. 93,471; Oct. 2.
- Guttman, Joseph, New York, N. Y. Knitted dress. Des. 93,472; Oct. 2.
- Guttman, Joseph, New York, N. Y. Knitted dress. Des. 93,473; Oct. 2.
- Guttman, Joseph, New York, N. Y. Knitted dress. Des. 93,474; Oct. 2.
- Gutto-mson, Greger E., Fort Ransom, N. Dak. Weed burner. 1,943,218; Jan. 9.
- Guttorsson, Stephan, Winnipeg, Manitoba, Canada. Device for determining azimuth by observations on polaris. 1,942,548; Jan. 9.
- Guttsmann, Walter, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electrical distribution system. 1,959,162; May 15.
- Gutzzeit, Chas. W. (See Keen, William H., assignor.)
- Guy, Frederick M., assignor to Guy and Murton, Incorporated, Detroit, Mich. Universal joint. 1,978,939; Oct. 30.
- Guy, Frederick M., assignor to Guy and Murton, Incorporated, Detroit, Mich. Resilient block. 1,978,940; Oct. 30.
- Guy, Henry L., Hale, England, assignor to General Electric Company. Bolt and nut structure. 1,965,412; July 3.
- Guy, Henry L., Hale, England, assignor to General Electric Company. Flanged joint. 1,969,556; Aug. 7.
- Guy and Murton, Incorporated. (See Guy, Frederick M., assignor.)
- Guy, Sydney S., Wolverhampton, and W. A. Stevens, Maidstone, England. Electrically driven vehicle. 1,948,376; Feb. 20.
- Guyer, Jesse A., assignor to Phillips Petroleum Company, Bartlesville, Okla. Treating hydrocarbons to produce carbon black. 1,946,739; Feb. 13.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Filler and flat construction. 1,943,667; Jan. 16.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Method of and apparatus for filling boxes. 1,953,173; Apr. 3.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Dispensing carton. 1,965,233; July 3.
- Guyer, William, assignor to Schenley Products Company, Inc., New York, N. Y. Bottle. Des. 91,653; Mar. 6.
- Guyer, William, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. Des. 92,901; July 31.
- Guyer, William, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. Des. 93,921; Nov. 27.
- Guyle, Henry G., deceased, Sargent, Nebr., R. I. Guyle, administrator, assignor of fifty-one per cent to E. Satterfield, Taylor, Nebr., and forty-nine per cent to M. Neel, R. Schipper, and R. I. Guyle. Sweet clover seed harvester. 1,975,572; Oct. 2.
- Guyle, Richard I., administrator. (See Guyle, Henry G.)
- Guyler, Albert F. (See Welch, S. A., Guyler, Ashby, and Boaler.)
- Guyler, Albert F. (See Welch, S. A., Guyler, and Boaler.)
- Guyon, George J., Chicago, Ill., assignor, by mesne assignments, to Parker-Meyer-Dennis Company, Dubuque, Iowa. Candy and holder therefor. 1,971,560; Aug. 28.
- Guyot Bros. Co. Inc. (See Boots, William C., assignor.)
- Guyot, Marius, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold-clamping device. 1,961,213; June 5.
- Guyton, Robert H. (See Matteson, J. O., Ehrenpreis, Brown, and Guyton.)
- Guziel, Alexander A., and A. Korff, Hollywood, Calif. Spark controlling and indicating means. 1,961,558; June 5.
- Guziel, Alexander A., and A. Korff, Hollywood, Calif. Spark indicator and controller. 1,970,305; Aug. 14.
- Guziel, Alexander A., and A. Korff, Hollywood, Calif. Spark plug. 1,982,866; Dec. 4.
- Gwaltney, Eugene C., Laurinburg, N. C. Laundry bag. 1,983,451; Dec. 4.
- Gwaltney, Eugene C., Laurinburg, N. C. Laundry bag. 1,983,452; Dec. 4.
- Gwathmey, Joseph H., Harrisonville, Mo. Gas burner. 1,954,873; Apr. 17.
- Gwinn, George W., Hewlett, N. Y., assignor to American Machine & Foundry Company. Leveling device for cigarette machine feeds. 1,948,575; Feb. 27.
- Gwinn, George W., Hewlett, N. Y., assignor to American Machine & Foundry Company. Tamper for cigarette machine feeds. 1,959,916; May 22.
- Gwinn, Joseph M., jr., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,965,185; July 3.
- Gwinn, Joseph M., jr., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Antifriction bearing. 1,973,064; Sept. 11.
- Gwyn, Childress B., jr., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electrical make-and-break contact. 1,958,338; May 8.
- Gwynn, Robert H., Glendale, Calif. Collapsible table. 1,977,848; Oct. 23.
- Gyax, Ernest F., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Breather device. 1,960,582; May 29.
- Gypsum Lime and Alabastine, Canada, Limited. (See Haire, H. J., and Reynolds, assignors.)

- Gyro Process Company. (See Spiehler, A. F., and Wagner, assignors.)
- Gyro Process Company, The. (See Tuttle, Malcolm H., assignor.)
- Gysler, Charles O., Winnipeg, Manitoba, Canada. Milk pail. 1,943,383; Jan. 16.
- H-B Instrument Co. (See Hiertesell, Valentine, assignor.)
- H. L. J. Specialty Co. (See Hayden, Robert B., assignor.)
- H & R Sales Company, The. (See Henning, L. G., and Rein, assignors.)
- Haabestad, Erling H., Springfield, assignor to Hydro-Chemical Company, Inc., Philadelphia, Pa. Tissue filler Re19,099; Mar. 6.
- Haack, Paul. (See Hohl, Heinz O., assignor.)
- Haag, Leonhard, assignor to corporation of Voigt & Haefner Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Electric switch with quenching liquid. 1,971,403; Aug. 28.
- Haag, Wolfgang. (See Mueller-Cunradi, M., and Haag.)
- Haarburger, Karl, Reutlingen, Germany. Making artificial leather. 1,958,821; May 15.
- Haas, Carl F., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Floodlight. Des. 94,138; Dec. 25.
- Haas, Clarence C. (See Kriegbaum, G. M., and Haas.)
- Haas, Clarence C., Richmond, Ind., assignor to International Harvester Company. Planter. 1,964,465; June 26.
- Haas, Earle C., Denver, Colo. Catamenial device. 1,964,911; July 3.
- Haas, Earle C., Denver, Colo. Pessary. 1,982,001; Nov. 27.
- Haas, Frederick S. (See Einstein, S., and Haas.)
- Haas, Frederick S. (See Harrison, R. E. W., and Haas.)
- Haas, Frederick S. (See Kearns, B. A., and Haas.)
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,952,432; Mar. 27.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,965,234; July 3.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,965,235; July 3.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,972,826; Sept. 4.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Hydraulic drive for grinding machines. 1,976,122; Oct. 9.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,976,123; Oct. 9.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 1,976,124; Oct. 9.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,976,125; Oct. 9.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,978,132; Oct. 23.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,982,297; Nov. 27.
- Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,982,298; Nov. 27.
- Haas, Hermann, Lennep, Germany. Drying apparatus. 1,950,942; Mar. 13.
- Haas, Joseph, Newport, Ky. Identification tag. 1,983,607; Dec. 11.
- Haas, Louis W., assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Bleaching agent and preparing bleached bread dough. 1,957,334; May 1.
- Haas, Louis W., assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Bleaching agent for flour dough and preparing bleached dough for white bread. 1,957,335; May 1.
- Haas, Louis W., assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Bleaching flour. 1,957,337; May 1.
- Haas, Louis W., and H. O. Renner, assignors, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Reducing oil content of soya. 1,947,200; Feb. 13.
- Haas, Louis W., Chicago, and R. M. Bohn, Evanston, assignors, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Bleaching agent and utilizing the same for bleaching flour. 1,957,333; May 1.
- Haas, Louis W., Chicago, and R. M. Bohn, Evanston, assignors, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Bleaching agent for flour and utilizing same in making bread. 1,957,336; May 1.
- Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y. Clamp band. 1,978,195; Oct. 23.
- Haas, Max, assignor to W. C. Lipe Inc., Syracuse, N. Y. Apparatus for generating ends of gear teeth. 1,960,536; May 29.
- Haas, Max, Syracuse, assignor to W. C. Lipe, Inc., New York, N. Y. Indexing mechanism. 1,964,351; June 26.
- Haas, Max L., Shaker Heights, Ohio. Handle for tools. Des. 91,875; Apr. 3.
- Haas, Offried. (See Fattinger, F., and Haas.)
- Haas, Paul C., Mendon, Mich. Composite bearing. 1,946,790; Feb. 13.
- Haas, William F., Rockaway, Long Island, N. Y. Button. Des. 91,581; Feb. 20.
- Haas, William F., Rockaway, Long Island, N. Y. Button. Des. 91,582; Feb. 20.
- Haase, Adolph L., New London, Wis., assignor to The Prescott Company, Menominee, Mich. Sawmill dog. 1,944,285; Jan. 23.
- Haase, Jorgen I. (See Snyder, R. W., and Haase.)
- Haase, Richard, assignor to Brunsviga-Maschinenwerke Grimme, Natalis & Co., Aktiengesellschaft, Brunswick, Germany. Calculating machine. 1,956,349; Apr. 24.
- Haase, Wilbert W., assignor to Wilbert W. Haase Co., Forest Park, Ill. Combined lewis and casket rest for burial vaults. 1,984,211; Dec. 11.
- Haase, Wilbert W., Co. (See Haase, Wilbert W., assignor.)
- Haasis, Paul, Zuffenhausen, Germany. Signal instrument. 1,959,470; May 22.
- Habenicht, Frederick K. (See Campbell, S. H., Habenicht, and Pietzsch.)
- Haber, David W., Bronx, N. Y. Permanent mold. 1,984,186; Dec. 11.
- Haberle, Sumner D., East Orange, and R. J. Davis, Nutley, N. J., assignors to Hygrade Sylvania Corporation, Salem, Mass. Radio transmitter control apparatus. 1,980,585; Nov. 13.
- Haberman, Sam J., Santa Cruz, Calif. Camera. 1,958,339; May 8.
- Hagood, Bernard J. (See Smith, W. S., Garnett, Dean, Hagood, and Channon.)
- Habicht, Frank, assignor to Clark Equipment Company, Buchanan, Mich. Method and blank for making axle housings. 1,970,231; Aug. 14.
- Habirshaw Cable and Wire Corporation. (See Del Mar, William A., assignor.)
- Habirshaw Cable & Wire Corporation. (See Hanson, Carl F., assignor.)
- Hack, Frank W., Maywood, Ill. Valve device. 1,955,494; Apr. 17.
- Hack, Frank W., Maywood, Ill. Valve structure. 1,955,495; Apr. 17.
- Hackel, Jules L., New York, N. Y. Combination bracelet and cosmetic holder. 1,975,507; Oct. 2.
- Hackenberg, John H., Jackson Heights, assignor to The Western Union Telegraph Company, New York, N. Y. Balancing and testing telegraph circuits. 1,954,624; Apr. 10.
- Hacker, Frank J., assignor to Tate-Jones & Company, Incorporated, Leedsdale, Pa. Luminous flame gas burner. 1,947,201; Feb. 13.
- Hacker, Larkin A., Vernon, Tex. Electric automatic volt and heat control for welders. 1,948,377; Feb. 20.
- Hacker Manufacturing Company. (See Trotter, Henry R., assignor.)
- Hackett, Bernard A., Cincinnati, Ohio. Vending machine casing. Des. 94,139; Dec. 25.
- Hackett, Frank B., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Inlaid toilet seat. 1,954,448; Apr. 10.
- Hackett, Harold A., Huntington Park, assignor, by mesne assignments, to G. W. Kramm, San Francisco, Calif. Cafe table of the traveling conveyer type. 1,949,468; Mar. 6.
- Hackett, Walter W., Oldbury, near Birmingham, England, assignor to The American Fork & Hoe Company, Geneva, Ohio. Tubular metallic shaft. 1,974,271; Sept. 18.
- Hackett, William H., Oakland, Calif. Fitting-up bolt. 1,964,116; June 26.
- Hacklander, Hans, Tinley Park, assignor to Union Special Machine Company, Chicago, Ill. Lubricating system for sewing machines. 1,969,927; Aug. 14.
- Hackley, Chester F., receiver. (See Miller, Ernest B., assignor.)
- Hackthal, Johannes, Nordhuasen, Germany, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, Valve. 1,948,709; Feb. 27.
- Had, Joseph, Duquesne, Pa. Toothbrush. 1,950,300; Mar. 6.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,973,065; Sept. 11.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,979,262; Nov. 6.
- Haddlesay, Charles S., Elmhurst, Ill. Track for mono-rail conveyer systems. 1,972,931; Sept. 11.
- Haddock, Arthur, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Acoustic-cinematographic apparatus. 1,962,441; June 12.
- Haddock, Norman H., F. Lodge, and C. H. Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Anthraquinone dyestuffs and their application. 1,975,061; Sept. 25.
- Haddock, Norman H., Prestwich Park North, Prestwich, and C. H. Lumsden, Thornton Gate, Gatley, England, assignors to Imperial Chemical Industries Limited. Production of fast dyes on textile fibers. 1,985,287; Dec. 25.
- Hadfield, Frederick H., Auckland, New Zealand. Clutch mechanism. 1,943,016; Jan. 9.
- Hadgeoff, Mike G., New York, and I. Reiffel, Mount Vernon, N. Y. Fur scraping and fleshing apparatus. 1,951,016; Mar. 13.
- Hadik, Joseph C. (See Fritsche, J., and Hadik.)
- Hadler, Bartholdt C. (See Britton, E. C., Coleman, and Hadler.)

- Hadley, Charles R., Company. (See Webb, Robert R., assignor.)
- Hadley, Charles W. (See Weigel, Max K., assignor.)
- Hadley Company, The. (See Domler, Charles A., assignor.)
- Hadley, Donald L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric iron. Des. 92,803; July 17.
- Hadley, George F., Pittsburgh, Pa. assignor to Westinghouse Electric & Manufacturing Company. Composition of matter. 1,948,756; Feb. 27.
- Hadley, Harmon L. (See Scott, J. A., and Hadley.)
- Hadley, Harold F., assignor, by mesne assignments, to J. E. Goerlich, Toledo, Ohio. Muffler mounting. Re19,195; June 5.
- Hady, Arthur L., assignor to Webster Electric Company, Racine, Wis. Testing device. 1,970,232; Aug. 14.
- Haebler, Paul B. (See Bajette, R., and Haebler.)
- Haecck, Auguste, Mariakerke, assignor of one-half to Jean Spiltoir, Brussels, Belgium. Purifying oils and converting incombustible oils into homogeneous fuels. 1,957,954; May 8.
- Haedike, Edward J. (See Levey, C. J., and Haedike.)
- Haefele, John F., Stratford, Conn. Window shade bracket. 1,985,567; Dec. 25.
- Haegel, Otto P., Chicago, and H. W. Larson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Winding machine. 1,970,934; Aug. 21.
- Haehnel, Wolfram. (See Eibner, A., Herrmann, Haehnel, and Miller.)
- Haehnel, Wolfram. (See Herrmann, W. O., and Haehnel.)
- Haering, Carl G., assignor to Titmus Optical Company, Inc., Petersburg, Va. Fusing bifocal buttons. 1,980,401; Nov. 13.
- Haessler, Paul, Nuremberg, Germany. Device for casting under pressure. 1,971,652; Aug. 28.
- Haessler, Paul, Nuremberg, Germany. Pressure die-casting machine with device for uniformly controlling the movable parts by means of gaseous and hydraulic pressure media. 1,980,333; Nov. 13.
- Haettner, Axel E., Appelviken, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Manufacture of cables. 1,959,471; May 22.
- Haeuber, Hans. (See Feiler, P., and Haeuber.)
- Haeuber, Hans. (See Winkler, F., and Haeuber.)
- Haeuber, Hans, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of hydrocarbons of high boiling point. 1,971,301; Aug. 21.
- Haff, Charles P., assignor to Ambler Asbestos Shingle & Sheathing Company, Ambler, Pa. Asbestos lumber cell door. 1,954,290; Apr. 10.
- Haffcke, Philip M. (See Heany, J. A., and Haffcke.)
- Haffcke, Philip M., Hamden, Conn., assignor to Radio Research Laboratories Inc. Electrical repeater. 1,947,771; Feb. 20.
- Haffcke, Philip M., New Haven, Conn., assignor, by mesne assignments, to Radio Research Laboratories, Inc. Degasifying electron discharge tubes. 1,974,956; Sept. 25.
- Haffcke, Philip M., Dobbs Ferry, assignor to Radio Research Laboratories, Inc., New York, N. Y. Wave repeating system and apparatus. 1,984,476; Dec. 18.
- Haffey, Bernard T., Newton, Mass. Inner spring mattress and the like. 1,955,583; Apr. 17.
- Haffling, Eric V., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Fixture and support therefor. 1,951,656; Mar. 20.
- Hafner, John C., Luton, England, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Refrigerator cabinet with removable unit. 1,957,955; May 8.
- Hafner Manufacturing Company. (See Hafner, William F., assignor.)
- Hafner, William F., assignor to Hafner Manufacturing Company, Chicago, Ill. Toy vehicle. 1,973,923; Sept. 18.
- Hagan, George J., Dormont, Pa. Heat treating furnace. 1,948,173; Feb. 20.
- Hagan, Harry J., Roanoke, Va. Heel brace. 1,943,476; Jan. 16.
- Hagan, William G., Shaker Heights, assignor to The East Ohio Gas Company, Cleveland, Ohio. Gas burner. 1,946,791; Feb. 13.
- Hagedorn, Max, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktienresellschaft, Frankfurt-on-the-Main, Germany. High molecular cellulose ester. 1,966,757; July 17.
- Hagedorn, Max, and P. Möller, Dessau-in-Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of cellulose mixed esters. 1,975,897; Oct. 9.
- Hagedorn, Max, and E. Gühring, Dessau in Anhalt, and O. Reichert, Dessau-Ziebkig in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of shaped objects from cellulose derivatives. 1,980,263; Nov. 13.
- Hagedorn, Max, and Gerhard von Kujawa, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic material and making the same. 1,981,102; Nov. 20.
- Hagedorn, Max, and E. Gühring, Dessau-in-Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Articles from cellulose derivatives of the higher fatty acids. 1,984,477; Dec. 18.
- Hagel, Albert, Newark, assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Cosmetic holder. 1,978,196; Oct. 23.
- Hagel, Eugene A., Chicago, Ill. Combined instrument and blade holder. 1,974,776; Sept. 25.
- Hagelin, Boris C. W., Stockholm, Sweden. Arrangement for the feeding of gaseous tubes. 1,952,246; Mar. 27.
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Strip aligning and tensioning device. 1,948,032; Feb. 20.
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Strip aligning and tensioning device. 1,948,033; Feb. 20.
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Transfer sheet control for manifolding machines. 1,949,469; Mar. 6.
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Record strip aligner for writing machines. 1,985,824; Dec. 25.
- Hagen, Carl, Park Ridge, Ill. Humidifying system. 1,983,753; Dec. 11.
- Hagen, Gerhard B., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna system. 1,960,006; May 22.
- Hagenböcker, Alfred, and R. Brune, Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuff preparations. 1,945,484; Jan. 30.
- Hagenbook, Thurlow M., assignor to International Steel Company, Evansville, Ind. Revolving door speed control. 1,946,160; Feb. 6.
- Hagenest, Hermann, Wiesdorf-on-the-Rhine, and F. W. Stauf, Cologne-Deutz-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. New alkalimetal-cupri-alkalino-cyanides. 1,962,559; June 12.
- Hagens, Jacob, L. Rosenstein, San Francisco, and W. Hirschkind, Antioch, Calif., assignors to The Barrett Company, New York, N. Y. Production of dicalcium phosphate and ammonium sulphate. 1,967,205; July 17.
- Hager, Emil F., Richmond Hill, N. Y. Cutting device. 1,948,109; Feb. 20.
- Hager, Floyd D. (See Hyde, E. H., and Hager.)
- Hager, Henry F., Trenton, and C. F. McCoy, Pennington, assignors to Trenton Spring Products Company, Trenton, N. J. Spring cushion construction. 1,977,476; Oct. 16.
- Hager Karl. (See Kalischer G. Limpach and Hager.)
- Hager, William L., Ogden, Utah. Gas burner. 1,957,587; May 8.
- Hagerling, Fred J., St. Louis, Mo. Tool. 1,960,378; May 29.
- Hagerman, Byron H. (See Lewis, S. R., Spink, and Hagerman.)
- Hagerstown Shoe & Legging Company, The. (See Miller, John M., assignor.)
- Haggerty, Harry S., Detroit, Mich. Sheet paper package. 1,946,689; Feb. 13.
- Haggerty, Roland. (See Pere, George, assignor.)
- Hagist, Emi! T., Glenside, Pa. Solderless terminal connecting device for electrical conductors. 1,982,212; Nov. 27.
- Haglund, Edward R. (See Westburgh, Arthur E., assignor.)
- Haglund, Hakon H., Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 1,944,888; Jan. 30.
- Haglund, Hakon H., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph repeating and receiving apparatus. 1,947,984; Feb. 20.
- Haglund, Hakon H., assignor to The Western Union Telegraph Company, New York, N. Y. Transposing signals from one code to another. 1,966,386; July 10.
- Haglund, Hakon H., assignor to The Western Union Telegraph Company, New York, N. Y. Channel repeater for telegraph systems. 1,967,175; July 17.
- Haglund, Hakon H., Flushing, and R. V. Morgenstern, Irvington, assignors to The Western Union Telegraph Company, New York, N. Y. System for repeating or relaying telegraph signals. 1,946,907; Feb. 13.
- Haglund, Ture R., Stockholm, Sweden. Manufacturing low-carbon chromium alloys. 1,946,161; Feb. 6.
- Haglund, Ture R., Stockholm, Sweden. Manufacturing chromium of chromium alloys. 1,951,091; Mar. 13.
- Haglund, Ture R., Stockholm, Sweden. Producing alloyed iron and steel. 1,951,976; Mar. 20.
- Haglund, Ture R., Stockholm, Sweden. Producing chromium alloys low in carbon. 1,967,530; July 24.
- Hagmaier, William G., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Defiberizer. 1,974,647; Sept. 25.
- Hagobian, Jacob S., Bridgeport, Conn. Crown splitter. 1,979,831; Nov. 6.
- Hagquist, Gustaf E. (See Rundell, R. E., and Hagquist.)
- Hagstrom, Joseph E., assignor to Line-O-Scribe Incorporated, Adrian, Mich. Ink roller. 1,980,402; Nov. 13.
- Hagstrom, Leon E. (See Mavis, H. J., and Hagstrom.)
- Hague, Clark E. (See Boynton, A. J., Zimmermann, and Hague.)
- Hague, Harry, Glendale, and T. H. Crowther, Los Angeles, Calif. Toilet bowl. 1,957,831; May 8.

- Hagy, Charles S., Camden, N. J. Sectional portable bowling alley. 1,962,899; June 12.
- Hahl, Hans. (See Klarer, J., Mietzsch, and Hahl.)
- Hähle, Herbert. (See Schladebach, H., and Hähle.)
- Hahn, Arthur W., Jr., New York, N. Y., and W. F. Purcell, Hoboken, N. J. Amusement device. 1,963,944; June 19.
- Hahn, Carl, Berlin-Siemensstadt, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical treatment of fluids. 1,978,426; Oct. 30.
- Hahn, Carl, Berlin-Siemensstadt, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Supplying and cleaning gas by electrical action. 1,980,521; Nov. 13.
- Hahn, Carl A., Kirkwood, and F. L. Hall, St. Louis, Mo. Refractory tile. 1,962,738; June 12.
- Hahn, Conrad, Essen-Kuhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Coke oven battery. 1,973,897; Sept. 18.
- Hahn, Frank R., Decatur, Ill. Spring and stabilizer. 1,952,128; Mar. 27.
- Hahn, Frederick C. (See Fothergill, R. E., and Hahn.)
- Hahne, Max, assignor of one-half to S. H. Ripin, New York, N. Y. Shuttle and needle mechanism for weaving. 1,950,404; Mar. 13.
- Hähnel, Kurt, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Control device for a heat transfer system. 1,972,420; Sept. 4.
- Hahnemann, Walter, Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Apparatus for distinguishing the fairway for ships and aircraft. 1,960,439; May 29.
- Haid, Walter S., Tulsa, Okla., and P. A. H. Terrell, Washington, D. C. Apparatus for liquefying solid carbon dioxide. 1,972,771; Sept. 4.
- Haidle, Balthaser. (See Haidle, F., and Balthaser.)
- Haidle, Fred and B., Fallon, Mont. Propeller control. 1,979,616; Nov. 6.
- Haight, Harry V., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Unloader for compressors. 1,962,072; June 5.
- Haigis, Alfred, Baden, assignor to Kienzle Taxameter und Apparate A. G., Schwartzwald, Germany. Rotor for self-starting synchronous electric motors for clocks and the like. 1,985,091; Dec. 18.
- Haigis, Carleton D., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio apparatus. 1,974,184; Sept. 18.
- Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. Re19,046; Jan. 16.
- Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Train control system for railroads. 1,961,853; June 5.
- Hailwood, Anthony J. (See Todd, W., and Hailwood.)
- Hailwood, Anthony J., W. J. S. Naunton, and A. Shepherdson, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture and application of special pigments suited for the coloring of rubber. 1,978,197; Oct. 23.
- Haim, Max. (See Harrington, Earl E., assignor.)
- Haines, Charles W., Masonville, N. J. Sirup. 1,965,286; July 3.
- Haines, George D., Park Ridge, Ill., assignor to Porcelain Tile Corporation, Wilmington, Del. Tiled construction. 1,946,690; Feb. 13.
- Haines, George H., Caledonia, assignor to The Grain Machinery Company, Marion, Ohio. Mixing apparatus. 1,962,642; June 12.
- Haines, Glen H., Cuyahoga Falls, Ohio. Extensible rod or pole. 1,978,865; Oct. 30.
- Haines, Harry H., and K. L. Lange, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Aerial display. 1,948,295; Feb. 20.
- Haines, Homer B., assignor to The Ohio Power Shovel Company, Lima, Ohio. Detachable extension for tractor trucks. 1,942,475; Jan. 9.
- Haines Hosiery Mills, Inc. (See Haines, Joseph, jr., assignor.)
- Haines, Joseph, jr., Meadowbrook, assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Magnifying attachment for looping machines. 1,949,416; Mar. 6.
- Haines, Joseph, jr., Meadowbrook, assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Magnifying attachment for looping machines. 1,970,910; Aug. 21.
- Haines, Joseph, jr., Meadowbrook, assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Stocking topping apparatus. 1,977,963; Oct. 23.
- Haines, Rush T., Lansdowne, assignor to Royal Electrotape Company, Philadelphia, Pa. Backing electrotape plates. 1,943,526; Jan. 16.
- Haines, Stacey A., Chicago, Ill., assignor of one-half to H. F. Spencer, Kansas City, Mo. Beverage brewing device. 1,952,752; Mar. 27.
- Haines, William C., assignor to J. L. N. Smythe Co., Philadelphia, Pa. Packaging for hosiery. 1,971,607; Aug. 28.
- Haines, William T. (See Raynsford, A., and Haines.)
- Hainsworth, Kenneth M., assignor of one-fourth to T. A. Moler, and three-fourths to W. W. Hudgings, Portland, Oreg. Automatic transmission and clutch control. 1,958,427; May 15.
- Hainsworth, Sydney B., assignor to J. H. Fenner & Company, Ltd., Kingston-upon-Hull, England. Multiple ply textile fabric. 1,963,898; June 19.
- Hainsworth, William R., Larchmont, assignor to Electro-lux Servel Corporation, New York, N. Y. Refrigeration. 1,958,573; May 15.
- Haire, George W., Chicago, Ill. Plumbing installation. 1,946,207; Feb. 6.
- Haire, Herbert J., and J. D. Reynolds, assignors to Gypsum Lime and Alabastine, Canada, Limited, Paris, Ontario, Canada. Cold water plastic paint for textured wall decoration. 1,954,291; Apr. 10.
- Haiss, George, Manufacturing Co. Inc. (See Bosworth, William H., assignor.)
- Haiss, Hugo, Alliance, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizer. 1,969,217; Aug. 7.
- Hait, James M., Bell, Calif., assignor to Food Machinery Corporation. Submersible bearing. 1,945,776; Feb. 6.
- Hait, James M., Long Beach, Calif., assignor to Food Machinery Corporation. Drilled well turbine pump. 1,974,107; Sept. 18.
- Hajek, Frank J. (See Harazen, C., and Hajek.)
- Hajos, Joseph. (See McDowell, Albert, assignor.)
- Halabi, Deborah and V. N., and S. Reggio, New York, N. Y. Applying salt on pistachio nuts. 1,972,443; Sept. 4.
- Halabi, Vladimir N. (See Halabi, Deborah and V. N., and Reggio.)
- Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Glass drawing tank. 1,980,992; Nov. 20.
- Halberstadt, Heinrich, assignor to C. H. F. Müller Aktiengesellschaft, Hamburg, Germany. X-ray tube. 1,954,046; Apr. 10.
- Halberstadt, Heinrich, Hamburg, Fuhlshüttel, assignor to C. H. F. Müller Aktiengesellschaft, Hamburg, Germany. Cathode ray tube. 1,964,117; June 26.
- Halbig, Paul, F. Kaufer, and H. Deger, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany. α -methylol- α -ethyl butraldehyde and preparing the same. 1,970,374; Aug. 14.
- Halbig, Paul, and F. Kaufer, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Germany. Esterification of diethylmalonic acid. 1,974,917; Sept. 25.
- Halbing, John M., assignor to The Linde Air Products Company, Bloomfield, N. J. Welding and cutting apparatus. 1,944,125; Jan. 16.
- Halborg, Carl J., Detroit, Mich., assignor to Colonial Broach Company. Broaching and broach therefor. 1,969,977; Aug. 14.
- Halborg, Carl J., Detroit, Mich., assignor to Colonial Broach Company. Broaching fixture. 1,978,458; Oct. 30.
- Halborg, Carl J., Detroit, Mich., assignor to Colonial Broach Company. Broaching machine. 1,979,973; Nov. 6.
- Halbrock, Fritz. (See Wallmann, C., Halbrock, and Kumpmann.)
- Hald, Oscar V. K., St. Catharines, Ontario, Canada. Collapsible canoe. 1,971,037; Aug. 21.
- Haldeman, William S. (See Hale, W. J., and Haldeman.)
- Hale, Carl W. (See Jackson, A. S., and Hale.)
- Hale, Douglas A. (See Ronci, V. L., Clark, and Hale.)
- Hale, Elizabeth A., New York, N. Y. Mop. 1,957,641; May 8.
- Hale, Eric E. (See Eichelman, W. H., and Hall.)
- Hale, Frank C. (See Dickie, W. A., and Hale.)
- Hale, Frank C. (See Dreyfus, H., Dickie, and Hale.)
- Hale, Frank J., Flushing, and W. H. Gibson, New York, N. Y. Bottle. Des. 91,392; Jan. 23.
- Hale, Frank M., Mexico, Mexico. Eraser holder. 1,942,283; Jan. 2.
- Hale, George C., Dover, N. J. Propellent powder. 1,963,992; June 26.
- Hale, Jesse W., Newton Center, Mass. Centrifugally controlled circuit closer. 1,970,375; Aug. 14.
- Hale, Jesse W., Newton Center, Mass. Change speed system. 1,980,797; Nov. 13.
- Hale, Jesse W., Newton Center, Mass. Change speed system. 1,980,798; Nov. 13.
- Hale, Joe D., Brattleboro, Vt., assignor to Rite-Rite Mfg. Co., Chicago, Ill. Pencil. Des. 92,534; June 19.
- Hale & Kilburn Co. (See Bell, Alfred B., assignor.)
- Hale, Lloyd. (See Pennock, E. M., and Hale.)
- Hale, Philip P., Toledo, Ohio. Chromium plating of type. 1,978,791; Oct. 30.
- Hale, Philip P., Toledo, Ohio, assignor to Metals Protection Corporation, Indianapolis, Ind. Plating fixture. 1,963,363; June 19.
- Hale, William J., Midland, Mich., and W. S. Haldeman, Monmouth, Ill. Cyclic oxidation of alcohols to form aliphatic acids. 1,951,280; Mar. 13.
- Hales, Ralph A. (See Sanders, M. T., and Hales.)
- Hales-Cate-Rockwood Co. (See Rockwood, A. Waldo, assignor.)
- Haley, John K. (See Cruze, F. C., and Haley.)
- Haley, Martin C., Detroit, Mich. Perpetual calendar. 1,948,576; Feb. 27.
- Halfacre, George F. (See Ginder, P. M., and Halfacre.)
- Halford, Frank B., London, England. Mechanism for driving the impeller of a supercharger for an internal combustion engine. 1,977,553; Oct. 16.
- Halfvarson, Gustaf A., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Lock down compensator. 1,976,494; Oct. 9.

- Halfvarson, Gustaf A., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Safety apparatus for multiple car elevators. 1,976,495; Oct. 9.
- Halgarth, William A., Orting, Wash. Mixing device for fuel oil burners. 1,964,942; July 3.
- Hallikman, Harris K., East Boston, Mass. Goggles. 1,968,142; July 31.
- Hallikman, Harris K., East Boston, Mass. Goggles. 1,968,143; July 31.
- Hall, Archibald J., Timbersbrook, England, assignor to Celanese Corporation of America. Aqueous treatment of artificial silk. 1,978,792; Oct. 30.
- Hall, Arthur. (See Andres, F. G., and Hall.)
- Hall, Arthur L., assignor of one-half to G. Trayer, Stockton, Calif. Sack lifter. 1,977,723; Oct. 23.
- Hall, Basil G., Minneapolis, Minn. Flour sifter. Des. 92,902; July 31.
- Hall, Benjamin F. (See Hall, Benjamin J. and B. F.)
- Hall, Benjamin J. and B. F., London, England. Apparatus for separating sheets of paper of other material while traveling in the same direction. 1,968,941; Aug. 7.
- Hall, Bicknell, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Refrigerating method and machine. 1,983,754; Dec. 11.
- Hall Brothers Company. (See Hall, Ray E. and C. W., assignors.)
- Hall Brothers, Inc. (See Rubenstein, Charles, assignor.)
- Hall, C. M., Lamp Company. (See Martinek, A. L., and Taylor, assignors.)
- Hall, Carl H., San Diego, Calif. Aircraft propeller cowling. 1,961,214; June 5.
- Hall, Carlos, jr., Mexico City, Mexico. Attachment for operating gate valves by means of fluid pressure from any desired distance. 1,977,554; Oct. 16.
- Hall, Charles E., Birmingham, assignor of one-fourth to C. G. Darden and one-fourth to W. A. Darden, Ensley, Ala. Chair and stretcher. 1,975,689; Oct. 2.
- Hall, Charles G., Caldwell, Idaho. Mold for making edible bottles and filling the same. 1,943,384; Jan. 16.
- Hall, Charles G., Caldwell, Idaho. Automatic baking machine. 1,967,933; July 24.
- Hall, Charles S., Los Angeles, Calif. Aircraft propelling and controlling mechanism. 1,941,799; Jan. 2.
- Hall, Charles W., assignor to Hall Rotary Valve Motor Company, Denver, Colo. Sealing means for rotary valve engines. 1,965,642; July 10.
- Hall, Claude C., Portland, Ore. Apparatus for molding sundry materials. 1,946,740; Feb. 13.
- Hall, Clide W. (See Hall, Ray E. and C. W.)
- Hall & Connolly, Inc. (See Hall, Theodore O., assignor.)
- Hall, Daniel L., Columbia, S. C. Dental cast trimmer. 1,984,740; Dec. 18.
- Hall, Donald R., assignor to Gardner Machine Company, Beloit, Wis. Work supporting fixture. 1,982,804; Dec. 4.
- Hall, Dwight F., and W. A. Morkert, Polson, Mont. Beet harvester machine. 1,978,672; Oct. 30.
- Hall, Edward, and K. H. Goertemiller, Wyoming, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Manufacture of shortening. 1,965,142; July 3.
- Hall, Edward H. (See Walsh, H. C. H., and Hall.)
- Hall, Edwin J., et al. (See Napier, James A. T., assignor.)
- Hall, Edwin L. (See Brady, E. J., and Hall.)
- Hall, Edwin L., assignor to The United Gas Improvement Company, Philadelphia, Pa. Production of oil gas and water gas. 1,956,284; Apr. 24.
- Hall, Edwin L., assignor to The United Gas Improvement Company, Philadelphia, Pa. One shell gas manufacturing set with marginal blast. 1,964,285; June 26.
- Hall, Edwin L., assignor to The United Gas Improvement Company, Philadelphia, Pa. Bolted pipe joint. 1,983,228; Dec. 4.
- Hall, Edwin L., Philadelphia, J. A. Perry, Swarthmore, and E. J. Brady, deceased, Lansdowne; A. S. Brady, administratrix, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas pilot light control. 1,983,227; Dec. 4.
- Hall, Edwin L., Philadelphia, and E. J. Brady, Lansdowne, deceased; A. S. Brady, administratrix, assignors to The United Gas Improvement Company, Philadelphia, Pa. Valve for gas pilot lights. 1,980,052; Nov. 6.
- Hall, Edwin S., New Haven, Conn. Typewriter line stop. 1,944,889; Jan. 30.
- Hall, Elkno, McAndrews, Ky. Automobile. Des. 92,903; July 31.
- Hall, Eric E., Chicago, Ill. Pipe. 1,948,232; Feb. 20.
- Hall, Eric E., Chicago, and W. H. Eichelman, Des Plaines, Ill.; said Hall assignor to said Eichelman. Expansion joint. 1,978,305; Oct. 23.
- Hall, Eric E., and W. H. Eichelman, assignors of three-fourths to said Eichelman and one-fourth to J. E. Whealan, Chicago, Ill. Expansion joint. 1,958,391; May 8.
- Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Suction device for cylinder boring machines. 1,955,182; Apr. 17.
- Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Tool balancing means. 1,955,183; Apr. 17.
- Hall, Farrington R., assignor to General Motors Corporation, Detroit, Mich. Rear curtain light frame. 1,961,352; June 5.
- Hall, Frank A., & Sons. (See McIntosh, Burtneft, assignor.)
- Hall, Frank J., Cincinnati, Ohio. Grease lubrication. 1,947,470; Feb. 20.
- Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Refining oils. 1,969,694; Aug. 7.
- Hall, Frederick L. (See Hahn, C. A., and Hall.)
- Hall, Gardiner, Jr., Company, The. (See McBee, William R. L., assignor.)
- Hall, George L., Greensboro, N. C., assignor to Swimsafe Products Company, Memphis, Tenn. Bathing suit. 1,985,568; Dec. 25.
- Hall, George S., Chico, Calif. Air cooler. 1,973,981; Sept. 18.
- Hall, Glen R. and H., and C. H. Lint, Uhrichsville, Ohio. Circuit closing device. 1,950,301; Mar. 6.
- Hall, Harry G., New York, N. Y. Shoe and foot normalizer. 1,946,317; Feb. 6.
- Hall, Harry T., Union City, Ind. Glass replacement tool. 1,955,630; Apr. 17.
- Hall, Hartwell & Co., Inc. (See Woodward, H. H., and Wright, assignors.)
- Hall, Henry L. (See Woods-Humphrey, G. E., and Hall.)
- Hall, Horace W., Newton, Mass. Marking machine. 1,961,485; June 5.
- Hall, Horace W., Newton, Mass. Face cover for playing rackets. 1,969,842; Aug. 14.
- Hall, Howard. (See Hall, Glen R. and H., and Lint.)
- Hall, Howard R., Chicago, Ill. Coffee tablet. 1,951,357; Mar. 20.
- Hall, Hugh J., et al. (See Napier, James A. T., assignor.)
- Hall, J. C., Company. (See Pierce, Benjamin F., assignor.)
- Hall, Jackson W., San Francisco, Calif. Cream separator. 1,941,859; Jan. 2.
- Hall, James H. and S., assignors to Hall & Kay, Limited. Ashton-under-Lyne, England. Metal socket, bush, ferule, rivet, and the like. 1,979,686; Nov. 6.
- Hall, John, H. C. Olpin, G. Reeves, and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of basic derivatives of anthraquinone. 1,969,748; Aug. 14.
- Hall, John G., Richmond, Va. Repair patch for automobile tires. 1,955,420; Apr. 17.
- Hall, John H., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Transforming manganese steel. 1,975,746; Oct. 2.
- Hall, John L., San Diego, Calif. Driver's signaling arm illuminating means. 1,974,648; Sept. 25.
- Hall, John R., jr. (See Bloodworth, Rainie, assignor.)
- Hall, Joseph M., Chicago, Ill., assignor to Cardwell Westinghouse Company. Sizing and surfacing draft gear housings. 1,955,367; Apr. 17.
- Hall, Josephine F., Kalamazoo, Mich. Bib. 1,963,130; June 19.
- Hall & Kay, Limited. (See Hall, James H. and S., assignors.)
- Hall Laboratories, Inc. (See Hall, Ralph E., assignor.)
- Hall, Leonard I. (See Hastings, H., and Hall.)
- Hall, Lewis H., Springfield, Mass. Garment hanger. 1,979,687; Nov. 6.
- Hall Manufacturing Company, The. (See Hall, Ernest A., assignor.)
- Hall Manufacturing Company, The. (See Hener, William E., assignor.)
- Hall Manufacturing Company, The. (See Schwakopf, assignor.)
- Hall, Mora S., Baltimore, Md., assignor to May Oil Burner Corporation. Boiler. 1,971,068; Aug. 21.
- Hall, Nathan L., Elkins, W. Va. Piccolo. 1,983,283; Dec. 4.
- Hall, Neal Taylor, assignor to The E. F. Schmidt Company, Milwaukee, Wis. Advertising novelty. 1,974,814; Sept. 25.
- Hall, Norman B., Chevy Chase, Md. Aeronautic instrument. 1,963,899; June 19.
- Hall, Percy E., Birmingham, England, assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,971,608; Aug. 28.
- Hall, Peter P-G., Philadelphia, Pa. Milling cutter. 1,945,854; Feb. 6.
- Hall, Preston M., Worcester, Mass., assignor to American Chain Company, Inc. Chain and manufacture. 1,948,349; Feb. 20.
- Hall, Preston M., Worcester, Mass., assignor to Federal Machine & Welder Company, Warren, Ohio. Seam welding apparatus. 1,971,217; Aug. 21.
- Hall, Preston M., Worcester, Mass., assignor to American Chain Company, Inc., New York, N. Y. Producing anti-skid chain. 1,972,297; Sept. 4.
- Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Water softening and washing. 1,956,515; Apr. 24.
- Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Treatment of steam-boiler feed water. 1,965,339; July 3.
- Hall, Ralph R., Chicago, Ill. Sectional warp beam for winding and dyeing warp. 1,962,240; June 12.
- Hall, Randolph F., Rochester, N. Y. Airplane. 1,959,236; May 15.
- Hall, Ray E. and C. W., assignors to Hall Brothers Company, Webster City, Iowa. Tank gauge. 1,947,260; Feb. 13.

- Hall, Richard E., Olean, N. Y., assignor, by mesne assignments, to Arvey-Ware Corporation. Felting fibrous receptacles. 1,962,655; June 12.
- Hall, Richard E., Olean, N. Y., assignor, by mesne assignments, to Arvey-Ware Corporation. Felting fibrous receptacles having a neck. 1,962,656; June 12.
- Hall, Robert G., San Francisco, Calif. Igneous concentration of zinc ores. 1,949,905; Mar. 6.
- Hall, Robert O., assignor to Ontario Research Foundation, Toronto, Ontario, Canada. Apparatus for testing the fastness to light of dyes, inks, and other color materials. 1,969,606; Aug. 7.
- Hall Rotary Valve Motor Company. (See Hall, Charles W., assignor.)
- Hall, Roy M., Long Lake, Ind. Calendar pad. 1,943,599; Jan. 16.
- Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Emergency control for closed centrifuges. 1,982,296; Nov. 27.
- Hall, Stephen E., assignor of one-half to G. G. Lee, Concord, N. H. Valve operating mechanism. 1,982,867; Dec. 4.
- Hall, Sydney. (See Hall, James H. and S.)
- Hall, Theodore O., assignor to Hall & Connolly, Inc., New York, N. Y. Projector for double dissolving effects. 1,946,139; Feb. 6.
- Hall, Theodore O., assignor to Hall & Connolly, Inc., New York, N. Y. Thermostat. 1,959,954; May 22.
- Hall Tobacco Chemical Company. (See Gross, P. M., and Dixon, assignors.)
- Hall, Victor C. (See Cresap, A. B., and Hall.)
- Hall, Walter V., assignor to The United States Air Compressor Company, Cleveland, Ohio. Grease gun. 1,945,855; Feb. 6.
- Hall-Welter Co. (See Welter, Herman C., assignor.)
- Hall, Wesley F., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Quick transfer for side arm conveying mechanism. 1,961,856; June 5.
- Hall, William, New York, N. Y. Baby chair. 1,965,236; July 3.
- Hall, William B. F., assignor to The Magnavox Company, Fort Wayne, Ind. Optical illusion device. 1,973,480; Sept. 11.
- Hall, William D., Corstorphine, Edinburg, Scotland. Umbrella. 1,945,685; Feb. 6.
- Hall, William K., Norton-on-Tees, England, assignor to Imperial Chemical Industries Ltd. Production of fertilizers. 1,977,628; Oct. 23.
- Hall, William L., et al. (See Rowe, Fred H., assignor.)
- Hall, William S., Boise, Idaho, assignor to Duluth Show Case Company, Duluth, Minn. Holding clip for partition plates and the like. 1,961,486; June 5.
- Halladay, John F., and M. E. Holy, assignors to Container Corporation of America, Chicago, Ill. Box. 1,974,674; Sept. 25.
- Hallander, Stanley E. (See White, James F., assignor.)
- Hallawell, Walter S., Milan, Ind. Leg construction for furniture. 1,946,620; Feb. 13.
- Hallberg, John E. (See Bales, J. E., and Hallberg.)
- Hallborg, Henry E., Montclair, N. J., assignor to Radio Corporation of America. Fluid cooling for electron emission tubes. 1,963,131; June 19.
- Hallden, Karl W., Thomaston, Conn. Wire straightening. 1,954,525; Apr. 10.
- Hallden, Karl W., Thomaston, Conn. Variable relation of feed and cut-off. 1,958,538; May 15.
- Hallden, Karl W., Thomaston, Conn., assignor to Steel and Tubes, Inc., Cleveland, Ohio. Apparatus for severing a moving article. 1,982,383; Nov. 27.
- Halle, Max A. (See Neumann, Otto, assignor.)
- Hallen, Karl, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Testing device for modulated high frequency. 1,967,306; July 24.
- Hallenbeck, Charles V., Denver, Colo. Controlling mechanism for winding drums. 1,949,015; Feb. 27.
- Hallenbeck, Charles V., Denver, Colo. Screen. 1,971,156; Aug. 21.
- Hallenbeck, Charles V., Denver, Colo. Portable drier. 1,982,250; Nov. 27.
- Hallensleben, Julius. (See Streitwolf, K., Fehrle, and Hallensleben.)
- Haller, Casper P. (See Mater, G. L., and Haller.)
- Haller, Fred C., assignor to Haller Oven Company, Pittsburgh, Pa. Front for traveling bake ovens. Des. 92,904; July 31.
- Haller, Herbert L. J., and P. S. Schaffer, Washington, D. C., dedicated to the free use of the Public. Preparing dehydratenone. 1,945,312; Jan. 30.
- Haller, John F., Kansas City, Kans. Combination gauge bob and thermometer. 1,947,592; Feb. 20.
- Haller, Oskar. (See Laska, L., and Haller.)
- Haller Oven Company. (See Haller, Fred C., assignor.)
- Haller, Robert, Riehen, near Basel, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Producing white and colored reserves under aniline black. 1,952,247; Mar. 27.
- Haller, Wilhelm. (See Wietzel, G., Haller, and Hennicke.)
- Hallerberg, Theodore W., Hawthorne, Calif., assignor, by mesne assignments, to The Commerce Guardian Bank, Toledo, Ohio, as trustee. Control for pressure feed lubricating systems. 1,942,096; Jan. 2.
- Hallerberg, Theodore W., Madison, Wis., assignor to The Commerce Guardian Bank, trustee, Toledo, Ohio. Control for pressure feed lubricating systems. 1,942,097; Jan. 2.
- Hallerberg, Theodore W., Madison, Wis., assignor to The Commerce Guardian Bank, Toledo, Ohio. Lubricant measuring valve and system. 1,977,233; Oct. 16.
- Hallett, Fred N., and M. P. Anderson, assignors to Stereoscopic Camera Company, Seattle, Wash. Lens system. 1,955,850; Apr. 24.
- Hallett, Joseph L. (See Frenning, A. B., and Hallett.)
- Hallett, Nelson A., et al. (See Wharton, Edward R., assignor.)
- Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Process and apparatus for producing oil wells. 1,964,912; July 3.
- Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Process and apparatus for fishing in the drilling of oil wells. 1,964,913; July 3.
- Halliburton Oil Well Cementing Company. (See Halliburton, Erle P., assignor.)
- Halliday, Alonzo L., and F. Jones, Ventura, Calif. Hydraulic underreamer. 1,944,556; Jan. 23.
- Hallien, George. (See Psorakes, P., and Hallien.)
- Hallopeau, François, Paris, France, W. Boveri, Mannheim, Germany, and A. Gaudenzi, Baden, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Control grid structure for rectifiers. 1,947,412; Feb. 13.
- Halloran, Frank E., Brooklyn, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection system. 1,952,248; Mar. 27.
- Halloran, Frank E., Brooklyn, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection system and apparatus. 1,952,249; Mar. 27.
- Halloran, Henry G., Milton, Mass. Method and apparatus for making welts. 1,960,997; May 29.
- Hallowell, Howard T., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Sign construction. 1,947,341; Feb. 12.
- Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Sign frame. 1,952,250; Mar. 27.
- Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Sign frame. 1,952,251; Mar. 27.
- Hallowell, Howard T., and F. Bennett, Jenkintown, and R. L. Morse, Philadelphia, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Chair. 1,966,343; July 10.
- Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Folding table. 1,966,344; July 10.
- Hallquist, Einar G. (See Pfleger, H. M., and Hallquist.)
- Hallquist, Einar G. (See Travilla, J. C., jr., and Hallquist.)
- Hallquist, Einar G., Edwardsville, assignor to General Steel Castings Corporation, Granite City, Ill. Railway journal box and associated structure. 1,971,004; Aug. 21.
- Hallquist, Einar G., Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Dipper handle. 1,974,458; Sept. 25.
- Hallquist, Einar G., Edwardsville, Ill., and W. C. Krauth, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,944,427; Jan. 23.
- Hallquist, Peter A., Lynn, Mass. Oil burner torch. 1,959,624; May 22.
- Hallwood, Nathan A., Columbus, Ohio. Scale. 1,950,238; Mar. 6.
- Hallwood, Thomas H., Columbus, Ohio, assignor of one-half to W. D. Belknap. Paper cutting mechanism. 1,947,340; Feb. 13.
- Halowax Corporation. (See Brown, S., and Hanson, assignors.)
- Halowax Corporation. (See Delaney, Myron E., assignor.)
- Halowax Corporation. (See Hanson, Ernest R., assignor.)
- Halperin, Herman, and A. P. Thoms, Chicago, Ill. Insulating sleeve for lead covered cables. 1,975,602; Oct. 2.
- Halpern, Samuel, Philadelphia, Pa. Sign writing pen. 1,964,512; June 26.
- Halperyn, Oscar, Brooklyn, N. Y. Mop. 1,948,212; Feb. 20.
- Halpin, Abraham, New York, N. Y. Portable receptacle. 1,979,263; Nov. 6.
- Halset, Christ J. (See Groset, J. P., and Halset.)
- Halsey, Charles W., and F. W. Kunath, Evansville, Ind. Permanent fastening for T shaped handles. 1,984,350; Dec. 11.
- Halsey, Edward S., North Miami, Fla. Absorber refrigerating apparatus. Re19,090; Feb. 20.
- Halsey, Edward S., North Miami, Fla. Bedclothes clamp. 1,950,084; Mar. 6.
- Halstead, Albert, jr. (See Heble, C. F., and Halstead, jr.)
- Halstead, John, Detroit, Mich. Revolving roasting device for gas and electric stoves. 1,952,433; Mar. 27.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Stripper for cigar machine pasters. 1,945,037; Jan. 30.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar bunch head trimmer. 1,964,052; June 26.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Automatic binder feed for cigar machines. 1,984,795; Dec. 18.
- Halstead, Richard R., Beach, N. Dak. Air filter. 1,948,791; Feb. 27.

- Haltermann, Henry L. (See Bryce, J. W., and Haltermann.)
- Halteimer, Alfred, Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Liquid level indicator. 1,956,920; May 1.
- Halton, Geoffrey H., Stourport, England, assignor to Steatite and Porcelain Products Limited. Electric insulator. 1,942,284; Jan. 2.
- Haltrich, Adolf J. and W., Cleveland, Ohio. Signaling device. 1,952,858; Mar. 27.
- Haltrich, William. (See Haltrich, Adolf J. and W.)
- Halvorsen, Frank A., Glen Richey, Pa. Container for explosives. 1,970,089; Aug. 14.
- Halvorsen, Birger F., Aker, near Oslo, Norway. Treatment of sulphurous iron ores. 1,971,815; Aug. 28.
- Halvorsen, Daniel W., Oslo, Norway. Device for battening down hatches. 1,984,120; Dec. 11.
- Halvorsen, Elmer W., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Cable armoring machine. 1,960,741; May 29.
- Ham, Asa, Brooklyn, N. Y. Gripping mechanism. 1,976,848; Oct. 16.
- Ham Boiler Corporation. (See Adelman, Hans, assignor.)
- Hamann, Christel, Neu-Babelsberg, near Berlin, assignor to Deutsche Telefonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Calculating machine. 1,968,201; July 31.
- Hamann, Henry J., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass grinding machine. 1,961,487; June 5.
- Hamborg, Anna, Los Angeles, Calif. Artificial finger nail. 1,942,332; Jan. 2.
- Hamblin, Ed., jr. (See Cochran, Robert J., assignor.)
- Hamblin, Ed., jr., Woodward, Okla. Automobile seat ventilator. 1,968,762; July 31.
- Hambuechen, Carl, Belleville, Ill. Storage battery charging system and apparatus. 1,954,931; Apr. 17.
- Hambuechen, Carl, Belleville, Ill., and C. E. Peters, assignors to Benwood-Linze Company, St. Louis, Mo. Condenser. 1,959,130; May 15.
- Hamburg Floral Mfg. Co. Inc. et al. (See Elder, Emil M., assignor.)
- Hamburger, Walter J., Jamaica Plain, Mass. Making tennis strings and the like. 1,970,376; Aug. 14.
- Hamburger, Walter J., Brookline, and W. L. Thayer, Hingham, assignors to H. Schindler & Co. Inc., Canton, Mass. Apparatus for twisting cord. 1,948,460; Feb. 20.
- Hancke, Elmer W., Brooklyn, assignor, by mesne assignments, to Phelps Dodge Copper Products Corporation, New York, N. Y. Hollow cable. 1,944,864; Jan. 23.
- Hamelin, Henry P. (See Blais, J. A. L., and Hamelin.)
- Hamelman, Harry P., Marlton, N. J. Safety device for wringers. 1,964,286; June 26.
- Hamer, Harry M., Johnstown, Pa. Combined irrigating device and support for trees. 1,984,265; Dec. 11.
- Hamer, Hilbert G., deceased, by M. A. Hamer, administratrix, assignor to Irving Airchute of Great Britain, Ltd., Letchworth, England. Parachute apparatus. 1,958,000; May 8.
- Hamer, Leland S., Long Beach, assignor to Chiksan Oil Tool Company, Fullerton, Calif. Packing. 1,961,583; June 5.
- Hamer, Mary A., administratrix. (See Hamer, H. G.)
- Hamer, William D., assignor to Transelectric Company, Indianapolis, Ind. Electrical tool. 1,979,688; Nov. 6.
- Hamerly, Frank B., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Oil regulator for pneumatic tools. 1,956,644; May 1.
- Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Control for machine tools. 1,983,200; Dec. 4.
- Hameyer, Paul, Hanover, G. Meyer, Dresden-Radebeul, and J. Jungmichl, Berlin-Steglitz, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic adjusting system. 1,942,285; Jan. 2.
- Hamiel, Dorman E., assignor of one-half to H. C. Zelman, Columbus, Ohio. Nipple protector for nursing bottles or similar article. Des. 93,102; Aug. 21.
- Hamill, John C., Laurelton, Long Island, N. Y. Self-locking fastening means. 1,958,852; May 15.
- Hamill, Ret O., Brooklyn, N. Y. Automatic service disconnecter. 1,957,498; May 8.
- Hamill, Ret O., New York, N. Y., assignor, by mesne assignments, of thirty-eight per cent to said Hamill, thirty-one per cent to A. Autler, and thirty-one per cent to G. Autler, New York, N. Y. Maximum demand meter. 1,977,581; Oct. 16.
- Hamilton Beach Manufacturing Company. (See Albrecht, Robert J., assignor.)
- Hamilton Beach Manufacturing Company. (See Blish, Russell A., assignor.)
- Hamilton Beach Manufacturing Company. (See Flegel, Harrison D., assignor.)
- Hamilton Beach Manufacturing Company. (See Moss, Edward, assignor.)
- Hamilton Beach Manufacturing Company. (See Nielsen, Emanuel, assignor.)
- Hamilton Beach Manufacturing Company. (See Tyler, Herbert B., assignor.)
- Hamilton, Bertis F., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Welding machine. 1,943,600; Jan. 16.
- Hamilton, Charles E., sr., Hollywood, Calif., assignor to E. Lane, P. Mendelson, and C. Mendelson, New York, N. Y. Stripper finger for flatwork irons. Re19,376; Nov. 20.
- Hamilton, Chester B., jr., Toronto, Ontario, Canada. Speed reducing gearing. 1,957,832; May 8.
- Hamilton, Edward P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Type case. 1,971,749; Aug. 28.
- Hamilton, Eugene B., Boston, Mass. Vacuum gatherer. 1,944,976; Jan. 30.
- Hamilton, Eugene B., Boston, Mass. Match box. 1,944,977; Jan. 30.
- Hamilton, Eugene B., West Somerville, Mass. Educational game device. 1,946,318; Feb. 6.
- Hamilton, Francis A., jr., and J. B. McClure, Schenectady, N. Y., assignors to General Electric Company. Electrical regulating system. 1,959,163; May 15.
- Hamilton, Francis E. (See Lake, C. D., Daly, and Hamilton.)
- Hamilton, Francis F., Indianapolis, Ind. Exhaust muffler. 1,968,891; July 17.
- Hamilton, Frederick, Harmony, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic instrument. 1,974,612; Sept. 25.
- Hamilton, George H., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Seat end standard. 1,981,316; Nov. 20.
- Hamilton, Guy, et al. (See Bellows, Foy E., assignor.)
- Hamilton, Harvey, Chicago, Ill. Distributing valve. 1,968,390; July 31.
- Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
- Hamilton, James, Brantford, Ontario, Canada, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Chenille fur for carpet making. 1,983,663; Dec. 11.
- Hamilton, John R. (See Lowe, E. A., and Hamilton.)
- Hamilton, John R., Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Booster pump apparatus for fire extinguishing systems. 1,941,683; Jan. 2.
- Hamilton, John R. and E. A. Lowe, Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Fluid controlled system. 1,950,029; Mar. 6.
- Hamilton, John S., Pittsburgh, Pa., assignor to The Harley Burial Vault Company, Inc. Burial vault. 1,959,204; May 15.
- Hamilton, Joseph Y., Clarksburg, W. Va. Bridge reminder. Des. 93,980; Dec. 4.
- Hamilton, Karl M., Chicago, Ill. Making bottom rods for railway car brakes. 1,959,670; May 22.
- Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Railway car truck. 1,957,833; May 8.
- Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Railway car truck. 1,957,834; May 8.
- Hamilton, Kathleen H., San Francisco, Calif. Electric table. 1,975,320; Oct. 2.
- Hamilton, Kenneth, New York, N. Y. Skating rink. 1,968,144; July 31.
- Hamilton, M. J., Frick. (See Rose, Anthony A., assignor.)
- Hamilton Manufacturing Company. (See Evans, Howell G., assignor.)
- Hamilton Manufacturing Company. (See Froelich, George E.)
- Hamilton Manufacturing Company. (See Hamilton, Edward P., assignor.)
- Hamilton Manufacturing Company. (See Scheuer, Ralph I., assignor.)
- Hamilton Manufacturing Company. (See Worth, Leo F., assignor.)
- Hamilton, Peter J., Cleveland Heights, Ohio. Hose coupling. 1,947,593; Feb. 20.
- Hamilton, Rush, Piedmont, Calif. Tractor. 1,985,777; Dec. 25.
- Hamilton Standard Propeller Company. (See Jamison, John K., assignor.)
- Hamilton Trust Company, The. (See Roberts, Fred T., assignor.)
- Hamilton, Van A., Palestine, Tex. Paste distributor. 1,941,800; Jan. 2.
- Hamilton, Van Alvin, Palestine, Tex. Brake applying device for trailers. 1,960,742; May 29.
- Hamilton-Wade Company. (See Howard, Albert L., assignor.)
- Hamilton, William A., Birmingham, Ala. Cutter chain. 1,956,503; Apr. 24.
- Hamilton, William A., Birmingham, Ala. Automatic clutch. 1,984,131; Dec. 11.
- Hamilton, William F., New York, N. Y., assignor to Charles Engelhard, Inc., Newark, N. J. Thermal conductivity cell. 1,971,038; Aug. 21.
- Hamilton, William L., Bangor, Mich. Combined valve and nozzle. 1,968,391; July 31.
- Hamlin, Benjamin M. (See Wheary, G. H., and Hamlin.)
- Hamlin, Benjamin M., assignor to Wheary Trunk Company, Racine, Wis. Wardrobe suitcase. 1,968,643; July 31.
- Hamlin, George R. (See Sheller, Samuel H., assignor.)
- Hamlin, Marston L. (See Miller, S. P., and Hamlin.)
- Hamley, Herbert R., London, England, assignor to Lafayette Instruments Inc., New York, N. Y. Teaching mathematics and exhibiting mathematical problems. 1,981,646; Nov. 20.

- Hamm, Clarence L., Marblehead, Mass., assignor to General Electric Company. Capacitor motor. 1,974,989; Sept. 25.
- Hamm, Daniel J., Beaumont, Tex. Well strainer. 1,979,740; Nov. 6.
- Hamm, Karl, Jamaica, and K. Beyrodt, New York, N. Y., assignors to The Turbo Corporation, Wilmington, Del. Power plant. 1,970,747; Aug. 21.
- Hamm, Phillip, Elwood, Ind. Cigarette snuffer. 1,948,880; Feb. 27.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,944,232; Jan. 23.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain roller bracket. 1,946,852; Feb. 13.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain roller construction. 1,949,160; Feb. 27.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,955,124; Apr. 17.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,964,053; June 26.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Lock construction. 1,964,986; July 3.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash guide. 1,971,404; Aug. 28.
- Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,981,355; Nov. 20.
- Hammalian, Jacob M., et al. (See Fanarjian, John, assignor.)
- Hammalian, Paul M., et al. (See Fanarjian, John, assignor.)
- Hammar, Herbert G., assignor to Federal Electric Company, Chicago, Ill. Sign. Des. 91,355; Jan. 16.
- Hamme, Richard H., Oxford, N. C., assignor to Deere & Company, Moline, Ill. Cotton harvester. 1,946,741; Feb. 13.
- Hammell, Charles E., Red Bank, N. J., assignor, by mesne assignments, to The Honesdale National Bank, Honesdale, Pa. Electrical signaling system for elevators. 1,951,791; Mar. 20.
- Hammell, Charles E., Red Bank, N. J., assignor, by mesne assignments, to The Gurney Elevator Co., Honesdale, Pa. Elevator door control mechanism. 1,966,445; July 17.
- Hammer, Bernard Wernick. (See Goss, E. F., and Hammer.)
- Hammer-Bray Company (See Huettelman, Gustav A., assignor.)
- Hammer-Bray Company. (See Leonard, Joseph E., assignor.)
- Hammer, Edwin M., Rockford, Ill. Pole holder. 1,963,463; June 19.
- Hammer, Edwin W. (See Kritzer, Richard W., assignor.)
- Hammer, Hy, assignor to Price Bros., Inc., Chicago, Ill. Sign. Des. 93,822; Nov. 13.
- Hammer, Hyman, assignor to Price Brothers, Chicago, Ill. Display sign. Des. 91,876; Apr. 3.
- Hammer, Otto, assignor to Security Investment Company of Whittier, Whittier, Calif. Pin installation for well reamers and the like. 1,971,561; Aug. 28.
- Hammer, Reginald B., New York, N. Y. Acoustic device. 1,965,830; July 10.
- Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Waste receptacle. 1,964,513; June 26.
- Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Safety razor. 1,969,509; Aug. 7.
- Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Clothes dryer. 1,969,510; Aug. 7.
- Hammerle, Paul W., and L. Muller, St. Paul, Minn. Headlight attachment. 1,958,478; May 15.
- Hammerling, Emanuel. (See Richards, Donald A., assignor.)
- Hammerling, Emanuel, assignor to The Powder Puff Pouch Co., New York, N. Y. Powder puff pouch. 1,981,545; Nov. 20.
- Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,956,422; Apr. 24.
- Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Panel board switch construction. 1,958,916; May 15.
- Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,960,203; May 22.
- Hammermill Paper Company. (See Bessmer, W. A., and Aubin, assignors.)
- Hammermill Paper Company. (See French, Hobart W., assignor.)
- Hammermill Paper Company. (See Parsons, John L., assignor.)
- Hammett, Philip M. (See McMulkin, J. C., and Hammett.)
- Hammitt, Howard, West Hartford, Conn. Garden label. 1,970,697; Aug. 21.
- Hammitt, Ralph W., Everett, Wash. Variable angle gear drive. 1,970,652; Aug. 21.
- Hammon, George L., San Francisco, Calif. Nozzle tip. 1,958,085; May 8.
- Hammon, George L., assignor to National Welding Equipment Company, San Francisco, Calif. Valve. 1,944,428; Jan. 23.
- Hammond Clock Company, The. (See Hammond, Laurens, assignor.)
- Hammond Clock Company, The. (See Stephens, George H., assignor.)
- Hammond, Grant, and I. H. Vine, New Haven, Conn. Talking and moving picture machine. 1,966,816; July 17.
- Hammond Holding Corporation. (See Hammond, John H., jr., assignor.)
- Hammond, James K., assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,949,540; Mar. 6.
- Hammond, John H., jr. (See Purington, Ellison S., assignor.)
- Hammond, John H., jr., Gloucester, Mass. System and method of communication. Re19,107; Mar. 13.
- Hammond, John H., jr., Gloucester, Mass. Photo-electric system for recording and reproducing sound. 1,967,882; July 24.
- Hammond, John H., jr., Gloucester, Mass. Volume control. 1,969,883; Aug. 14.
- Hammond, John H., jr., Gloucester, Mass. Side band reversal transmission system. 1,976,393; Oct. 9.
- Hammond, John H., jr., Gloucester, Mass. Transmission of light sequences by frequency variation. 1,977,438; Oct. 16.
- Hammond, John H., jr., Gloucester, Mass. Transmission of intelligence by frequency variation. 1,977,439; Oct. 16.
- Hammond, John H., jr., assignor to Hammond Holding Corporation, Gloucester, Mass. Amplifying system. 1,979,034; Oct. 30.
- Hammond, John H., jr., assignor to Hammond Holding Corporation, Gloucester, Mass. Automatic monitoring system. 1,979,035; Oct. 30.
- Hammond, John H., jr., assignor to Hammond Holding Corporation, Gloucester, Mass. Monitoring system for push-pull amplifiers. 1,979,036; Oct. 30.
- Hammond, John H., jr., assignor to Hammond Holding Corporation, Gloucester, Mass. Dynamic multiplier. 1,979,037; Oct. 30.
- Hammond, John Hays, jr. (See Purington, Ellison S., assignor.)
- Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 1,956,350; Apr. 24.
- Hammond, Laurens, Chicago, Ill. Card feeding device. 1,964,914; July 3.
- Hammond, Laurens, Evanston, assignor, by mesne assignments, to The Hammond Clock Company, Chicago, Ill. Frequency indicating and control apparatus. 1,960,672; May 29.
- Hammond Lumber Co. (See Todhunter, Arthur J., assignor.)
- Hammond, Ralph P., Wauwatosa, assignor to Globe-Union Mfg. Co., Milwaukee, Wis. Ice skate. Des. 93,618; Oct. 16.
- Hamner, Clyde F., Oklahoma City, assignor to Phillips Petroleum Company, Bartlesville, Okla. Support for all thieves and other sampling devices. 1,956,324; Apr. 24.
- Hamner, Elgin A., Shreveport, La. Towel cabinet. 1,983,289; Dec. 4.
- Hamon, Weslie M., Bell, Calif. Socket. 1,965,831; July 10.
- Hamor, William A., and W. W. Duecker, Pittsburgh, Pa., assignors to Texas Gulf Sulphur Company, Bay City, Tex. Plastic. 1,959,026; May 15.
- Hamor, William A., and W. W. Duecker, Pittsburgh, Pa., assignors to Texas Gulf Sulphur Company, Bay City, Tex. Plastics. 1,981,232; Nov. 20.
- Hampton, Fred, Brooklyn, assignor of one-third to C. A. Light and one-third to M. Glick, New York, N. Y. Convertible settee and bed. 1,981,143; Nov. 20.
- Hampton, Leon N., New York, N. Y., assignor to A C Spark Plug Company. Fluid transfer device. 1,942,549; Jan. 9.
- Hampton, Leon N., New York, N. Y., and O. N. Giertsen, Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic receiving valve. 1,952,859; Mar. 27.
- Hampton, Leon N., and R. W. Davis, New York, and C. D. Richard, West New Brighton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic ticket distributing system. 1,982,805; Dec. 4.
- Hampton, Weldon O. (See Fjellstedt, T., Alsaker, and Hampton.)
- Hampton, William C., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Coating articles with pyroxilin or the like. 1,948,208; Feb. 6.
- Hampton, William H. (See Davis, W. N., and Hampton.)
- Hampton, William J., Euclid, Ohio, assignor to Addressograph Company, Wilmington, Del. Filing drawer. 1,962,146; June 12.
- Hamre, John A., Passaic, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Mechanism for straightening sheet material. 1,969,073; Aug. 7.
- Hamre, Marion R., Brooklyn, N. Y. Textile fabric or similar article. Des. 91,877; Apr. 3.
- Hamren, Eric O. (See Leach, E. C., and Hamren.)
- Hamren, Eric O., assignor to Leach Company, Oshkosh, Wis. Folding barricade. 1,961,760; June 5.

- Hamren, Joseph O., Huntington Park, Calif. Turbine. 1,966,892; July 17.
- Hamza, Morris F., Union City, N. J. Mattress. 1,970,502; Aug. 14.
- Hanable, Carl F., Indianapolis, Ind. Printing ribbon moistener. 1,953,881; Apr. 3.
- Hanack, Bernhard, and E. Mertens, Berlin, Germany. Baking agent and improving dough. 1,970,306; Aug. 14.
- Hanahan, Marion L., East Orange, N. J., assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Handling pigments for heat treatment. 1,977,582; Oct. 16.
- Hanahan, Marion L., East Orange, N. J., assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Producing zinc sulphide pigments and product thereof. 1,977,583; Oct. 16.
- Hanahan, William E., Columbia, S. C. Dispensing device. 1,978,260; Oct. 23.
- Hanauer, Darwin, Lagrange, assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Bed structure. 1,953,479; Apr. 3.
- Hanbury, Alfred E., Newington, F. W. Juengst, and O. M. Anderson, assignors to Landers, Frary & Clark, New Britain, Conn. Combined washing and drying apparatus. 1,968,681; July 31.
- Hanch, Charles C., Chicago, Ill. Piston. 1,946,530; Feb. 13.
- Hanchett, Merrick, assignor to Holland Federal Baking Co., Holland, Mich. Sign. Des. 92,297; May 22.
- Hancock, Clarence W., Peoria, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of butyl alcohol by fermentation. 1,969,218; Aug. 7.
- Hancock & Company (Engineers) Limited. (See Oakley, Edward C. F., assignor.)
- Hancock, Horace G., New Haven, Conn., assignor to Krescher's Manufacturing Company, Brooklyn, N. Y. Chain repair link. 1,979,069; Oct. 30.
- Hancock Manufacturing Company. (See Marple, Rollo, assignor.)
- Hancock-Nelson Mercantile Company. (See Jedlicka, Anton G., assignor.)
- Hancock, Roy S., and L. C. Pritchett, Kenil, N. J., assignors to Hercules Powder Company, Wilmington, Del. Producing diazodinitrophenol. 1,952,591; Mar. 27.
- Hancock, Samuel L. (See Gomes, E. E., and Hancock.)
- Hancock, Virgil H., New Orleans, La., assignor to The Univis Corporation, Dayton, Ohio. Lens. Re19,142; Apr. 24.
- Hand, Frederick E., Canton, Ill., assignor to International Harvester Company. Tongue truck. 1,952,497; Mar. 27.
- Hand, Frederick E., Canton, Ill., assignor to International Harvester Company. Tractor planter. 1,985,370; Dec. 25.
- Hand, Homer G., Fort Myers, Fla. Tire tool. 1,983,608; Dec. 11.
- Hand, James W., assignor to Standard Oil Development Company, Elizabeth, N. J. Apparatus for shaping receptacles. 1,973,622; Sept. 11.
- Hand, John A., Cleveland, Ohio. Cushion covering and making same. 1,945,038; Jan. 30.
- Hand, John L. H., Bala-Cynwyd, Pa. Magnetic compass corrective device. 1,973,808; Sept. 18.
- Hand, Leon R., Hummels Wharf, and L. A. Eyster, Sunbury, Pa. Bolt and clamp. Re19,386; Nov. 27.
- Hand, Leslie T., Brooklyn, N. Y. Method of and machine for slitting and stacking folded plies of paper web. 1,985,676; Dec. 25.
- Hand, Leslie T., Brooklyn, N. Y. Superfolded paper tape. 1,985,677; Dec. 25.
- Hand, Leslie T., Brooklyn, N. Y. Superfold paper tape. 1,985,678; Dec. 25.
- Hand, Thomas W., Hamilton, assignor to Colvilles Limited, Glasgow, Scotland. Rolling discus metal blank. 1,946,070; Feb. 6.
- Handel, Charles E., assignor to Wej-Lock Manufacturing Company, Winterset, Iowa. Earth anchor. 1,956,763; May 1.
- Handelan, Daniel, Minneapolis, Minn. Humidifier. 1,946,792; Feb. 13.
- Handelschild, Harry. (See Morley, Earl M., assignor.)
- Handforth, Stanley L., Woodbury, N. J., assignor of one-half to E. I. du Pont de Nemours & Company, Wilmington, Del., and one-half to Baker and Company, Inc., Newark, N. J. Oxidizing ammonia and catalyst therefor. 1,978,198; Oct. 23.
- Handlan, Alexander H., St. Louis, Mo. Lens for signal lamps. 1,945,190; Jan. 30.
- Handlan, Alexander H., St. Louis, Mo. Signaling device. 1,959,671; May 22.
- Handlan-Buck Manufacturing Company. (See Evans, Roland D., assignor.)
- Handler, Alfred A., Cleveland, Ohio, assignor to Aluminium Company of America. Metallic propeller and making. 1,957,499; May 8.
- Handler, Edward, Irvington, N. J. Dental flask. Des. 93,475; Oct. 2.
- Handler, Harris L., Vallejo, Calif. Nonslip cushion pad for shoe counters. 1,958,619; May 15.
- Handley, Joseph M., Orrick, Mo. Money exchange protecting device. 1,951,929; Mar. 20.
- Handley, Roy. (See Green, S. J., and Handley.)
- Handley, William J., Jackson, Mich. Garage heater for automobiles. 1,959,625; May 22.
- Hands, Henry J., assignor to Spicers Limited, London, England. Manufacture of films containing cellulose acetate. 1,974,024; Sept. 18.
- Handwerk, Erwin C. (See Ginder, P. M., and Handwerk.)
- Handwerk, Otto T. (See Spitzglass, A. F., and Handwerk.)
- Handwerk, Otto T., Chicago, Ill. Mercury switch controller. 1,958,574; May 15.
- Handy, Arthur E. (See Lindquist, D. L., Handy, and Margles.)
- Handy Governor Corporation. (See Wood, Walter A., assignor.)
- Handy & Harman. (See Leach, Robert H., assignor.)
- Handy, Harry L., Sherman, Tex. Key attachment. 1,966,550; July 17.
- Handy, John C., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for delivering a lubricant or other liquid to a fluid stream. 1,948,034; Feb. 20.
- Handy, John C., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for lubricating machinery. 1,977,877; Oct. 23.
- Handy, John P., Long Prairie, Minn. Toothbrush. 1,982,660; Dec. 4.
- Handy, Le Roy L., assignor to Libbey-Owens-Ford Glass Company, Toledo Ohio. Surfacing tool. 1,980,403; Nov. 13.
- Handy, Levin G., Mountain View, N. J. Ornamental device for use in association with toy electric railways. 1,942,167; Jan. 2.
- Handy, Levin G., Mountain View, N. J. Ornamental device for use in association with toy electric railways. 1,966,031; July 10.
- Handy, Levin G., Mountain View, assignor of one-half to H. F. Witherhead, Rutherford, N. J. Electric lighting set resistor. 1,954,355; Apr. 10.
- Hane, Carl O., assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn. Waste receiver for cylinder finishing machines. 1,965,076; July 3.
- Hane, Hubert H., assignor to Robert Gaylord Incorporated, St. Louis, Mo. Brooder box. 1,979,877; Nov. 6.
- Hanel, Charles L., Jackson Heights, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electrical circuit controlling mechanism. 1,959,205; May 15.
- Hanel, Charles L., Jackson Heights, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electrical circuit controlling or relay device. 1,961,857; June 5.
- Hanel, Charles L., Jackson Heights, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electrical circuit controlling mechanism. 1,967,359; July 24.
- Hanel, Charles L., Jackson Heights, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Code setting device for signal systems. 1,969,978; Aug. 14.
- Hanel, Franz, Berlin-Schlachtensee, Germany, assignor to Permo Corporation, Vaduz, Liechtenstein. Antiskid device for motor vehicles. 1,954,409; Apr. 10.
- Hanes Hosiery Mills Co. (See Crawford, Robert B., jr., assignor.)
- Haney, Martin J., et al. (See Adams, Ervin, assignor.)
- Hanff, Ferdinand, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Metallic tube press. 1,975,455; Oct. 2.
- Hanflig, Louis S., Chelsea, Mass. Impact-producing implement. 1,944,006; Jan. 16.
- Hangi, Sukezo, Lihue, Kauai, Hawaii. Apparatus for sharpening tools of chisel type. 1,979,741; Nov. 6.
- Hanisch, Helmuth. (See Sabel, F., and Hanisch.)
- Hanitz, Hans T. R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Control for change speed mechanisms. 1,968,520; July 31.
- Hank, Luther V., Arnold, assignor of one-sixth to M. Giudice, one-sixth to S. Tamburo, one-sixth to D. Vertermo, New Kensington, one-sixth to A. Saulte, and one-sixth to S. Patesta, Arnold, Pa. Window shade, curtain, and drapery holder. 1,956,504; Apr. 24.
- Hankins, Cyrus, Washington, D. C. Brake rigging for railway cars. 1,944,509; Jan. 23.
- Hankins, Cyrus, Washington, D. C. Brake rigging for railway cars. 1,977,849; Oct. 23.
- Hankins, Cyrus, Washington, D. C., assignor to Wine Railway Appliance Company, Toledo, Ohio. Railway car. 1,953,014; Mar. 27.
- Hankins, Cyrus, Washington, D. C., assignor to Wine Railway Appliance Company, Toledo, Ohio. Railway car. 1,975,573; Oct. 2.
- Hanks, Marshall W., Madison, Wis. Combined vessel and cover for electric cooker. Des. 91,521; Feb. 20.
- Hanks, William V. (See Russell, R. P., and Hanks.)
- Hanks, William V., Baton Rouge, La., and G. H. Freyer-muth, Elizabeth, N. J., assignors to Standard Oil Development Company. Pre-roasting of hydrogen production catalysts. 1,943,821; Jan. 16.
- Hanlan, Frederick, assignor to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Method of and apparatus for making hose menders and couplings. 1,964,630; June 26.
- Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Pen holder. 1,945,271; Jan. 30.
- Hanlev, George C., Malden, Mass. Humidifier head. 1,982,137; Nov. 27.

- Hanley, John A., Stamford, Conn. Lighter. 1,963,490; June 19.
- Hanley, John J., Jamaica Plain, Mass. Apparatus for maintaining an unfailling and uninterrupted supply of electrical energy. 1,953,602; Apr. 3.
- Hanley, M., receiver. (See Stivers, Jake M., assignor.)
- Hanlon, Anthony J., assignor to The International Nickel Company, Inc., New York, N. Y. Reinforcing sink drainboards and the like and the product resulting therefrom. 1,965,375; July 3.
- Hanlon, Anthony J., assignor to The International Nickel Company, Inc., New York, N. Y. Water boiler. 1,984,017; Dec. 11.
- Hanlon-Buchanan, Inc. (See Bludworth, J. E., Sweeney, and Vilbrandt, assignors.)
- Hanlon, John H., Somerville, and J. W. Hanlon, Milton, assignors of one-third to W. J. Hanlon, Fitchburg, Mass. Drifting valve. 1,954,812; Apr. 17.
- Hanlon, John W. (See Hanlon, John H. and J. W., assignors.)
- Hanlon, Michael J., Weehawken, N. J., assignor to Black Diamond Steamship Corporation, New York, N. Y. Stern structure for ships. 1,958,302; May 8.
- Hanlon, Michael J., Weehawken, N. J., assignor to Black Diamond Steamship Corporation, New York, N. Y. Apparatus for ventilating ships' cargo compartments. 1,973,623; Sept. 11.
- Hanlon, Michael J., Weehawken, N. J., assignor to Black Diamond Steamship Corporation, New York, N. Y. Automobile fastening device. 1,973,624; Sept. 11.
- Hanlon-Waters, Inc. (See Battle, R., and Ross, assignor.)
- Hanlon-Waters, Inc. (See Waters, Millard F., assignor.)
- Hanlon, William J. (See Hanlon, John H. and J. W., assignors.)
- Hanlon, William M. Sweetgrass, Mont. Wire line clamp. 1,978,261; Oct. 23.
- Hann, Francis. (See Anderson, Edwin, assignor.)
- Hann, William E., assignor to Chrysler Corporation, Detroit, Mich. Vibration damper. 1,944,233; Jan. 23.
- Hanna, Clinton R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Filter system. 1,985,030; Dec. 18.
- Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Film gate. 1,985,031; Dec. 18.
- Hanna, Clinton R., Pittsburgh, and E. F. Critchlow, Munhall, Pa., assignors to Westinghouse Electric and Manufacturing Company. Energy translating apparatus. 1,966,243; July 10.
- Hanna, Daisy B., Indianapolis, Ind. Douche device. 1,942,422; Jan. 9.
- Hanna, David J., assignor to Dutchess Tool Company, Beacon, N. Y. Feeding mechanism. 1,973,625; Sept. 11.
- Hanna, George W., et al. (See Buettner, Henry J., assignor.)
- Hanna, John P., and E. H. Bradley, assignors to National Pumps Corporation, Dayton, Ohio. Liquid dispensing apparatus. 1,974,649; Sept. 25.
- Hanna, Harvey, Detroit, Mich. Protected steel structure and forming the same. 1,984,182; Dec. 11.
- Hanna, Samuel O., et al. (See Green, Walter B., assignor.)
- Hanna, Walter G., Oakland, Calif. Water heater. 1,983,170; Dec. 4.
- Hanna, William T., Cincinnati, Ohio. Stoker construction. 1,961,215; June 5.
- Hanna, William T., Cincinnati, Ohio. Stoker. 1,961,216; June 5.
- Hanna, William T., Cincinnati, Ohio. Stoker. 1,967,241; July 24.
- Hanna, William T., Cincinnati, Ohio. Stoker. 1,967,242; July 24.
- Hanna, William T., Cincinnati, Ohio. Control device for automatic stokers. 1,969,265; Aug. 7.
- Hanna, William T., Cincinnati, Ohio. Locomotive stoker. 1,971,343; Aug. 28.
- Hannan, George R., and I. P. Simonsen, Los Angeles, Calif., assignors to A. Strachan. Game apparatus. 1,954,700; Apr. 10.
- Hanne, Angus F., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry marker attach. 1,951,480; Mar. 20.
- Hanne, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Motor controlling device. 1,955,382; Apr. 17.
- Hanne, Angus F., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry tag. 1,964,817; July 3.
- Hanne, Angus F., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Sorting device. 1,972,558; Sept. 4.
- Hanne, Angus F., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Universal joint. 1,972,559; Sept. 4.
- Hannifin Manufacturing Co. (See Burger, Walter D., assignor.)
- Hannifin Manufacturing Co. (See Peterson, Victor W., assignor.)
- Hannon, Albert H., Springfield, Ohio. Electrochemical treatment machine. 1,970,850; Aug. 21.
- Hannon, John. (See Mendoza, M., and Hannon.)
- Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). (See Schargorodsky, Lazar, assignor.)
- Hannum, Chester W. (See Downing, F. B., Clarkson, and Hannum.)
- Hannum, Chester W., Danville, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel. 1,980,200; Nov. 13.
- Hannum, Chester W., Danville, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel. 1,980,201; Nov. 13.
- Hannum, Chester W., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of N-benzyl-para-aminophenol. 1,979,154; Oct. 30.
- Hannum Manufacturing Company. (See Twyman, B. Wickliffe, assignor.)
- Hanny, Charles E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Universal base for electric switches, etc. 1,970,520; Aug. 14.
- Hanny, Charles E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 1,983,902; Dec. 11.
- Hanovia Chemical & Manufacturing Company. (See Bird, Lester F., assignor.)
- Hanseatische Mühlenwerke Aktiengesellschaft. (See Frank, Fritz, assignor.)
- Hanseatische Mühlenwerke Aktiengesellschaft. (See Rewald, Bruno, assignor.)
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultrashort wave oscillation generation. 1,945,039; Jan. 30.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillator. 1,945,546; Feb. 6.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmitter and receiver. 1,975,270; Oct. 2.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillator circuits. 1,975,603; Oct. 2.
- Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Piezo-electric crystal apparatus. 1,957,063; May 1.
- Hansell, Clarence W., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Oscillatory circuit. 1,980,158; Nov. 6.
- Hansella G. m. b. H. (See Thurlings, Hermann, assignor.)
- Hansen, A. L., Mfg. Co. (See Baur, Hugo J., assignor.)
- Hansen, A. L., Mfg. Co. (See Hansen, Augie L., assignor.)
- Hansen, Albert F., McLean, Tex. Cultivator attachment. 1,953,649; Apr. 3.
- Hansen, Albert M., Lansing, Mich. Dumping vehicle. 1,969,173; Aug. 7.
- Hansen, Anton, Newark, N. J., assignor to The Universal Pipe and Radiator Company, New York, N. Y. Pipe joint. 1,977,911; Oct. 23.
- Hansen, Arnold A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Relay cover. 1,950,552; Mar. 13.
- Hansen, Arthur E., assignor to Libby, McNeill & Libby, Chicago, Ill. Producing tomato juice. 1,956,615; May 1.
- Hansen, Asger, Houston, Tex. Neon electrode housing. 1,984,796; Dec. 18.
- Hansen, Augie L., assignor to A. L. Hansen Mfg. Co., Chicago, Ill. Lock. 1,957,642; May 8.
- Hansen Canning Machinery Corporation. (See Hansen, Oswald H., assignor.)
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Coupling. 1,949,961; Mar. 6.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Submarine drill unit. 1,955,041; May 8.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism for percussive tools. 1,969,368; Aug. 7.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for compressors. 1,975,845; Oct. 9.
- Hansen, Chris, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Sample taking mechanism for body makers. 1,950,302; Mar. 6.
- Hansen, Chris, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Seam wiper for can body machines. 1,954,733; Apr. 10.
- Hansen, Chris, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Counter and diverter for can body machines. 1,966,387; July 10.
- Hansen, Christian, Woodcliff, N. J. Calendar pad holder. 1,972,263; Sept. 4.
- Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Removal of ammonia and hydrogen sulphide from gases. 1,944,978; Jan. 30.
- Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Fertilizer containing phosphorus, nitrogen, and potassium compounds. 1,949,715; Mar. 6.
- Hansen, Christian J., Essen, Germany, assignor, by mesne assignments, to Koppers Company of Delaware, Pittsburgh, Pa. Removing hydrogen sulphur and ammonia from gases. 1,953,478; Apr. 8.
- Hansen, Christian J., Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Production of ammonium sulphate. 1,957,265; May 1.

- Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Production of ammonium sulphate. 1,957,266; May 1.
- Hansen, Christian J., Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Production of ammonium sulphate. 1,957,267; May 1.
- Hansen, Christian J., Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Manufacture of fertilizer. 1,961,104; May 29.
- Hansen, Christian J., Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Apparatus for the production of solid ammonium sulphate and diammonium phosphate. 1,968,682; July 31.
- Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Removal of ammonia and hydrogen sulphide from gases. 1,979,934; Nov. 6.
- Hansen, Christian J., and K. Eymann, Essen, Germany, assignors, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Removal of carbon bisulphide from gases. 1,964,572; June 26.
- Hansen, Earl J. (See Te Pas, E. J., and Hansen.)
- Hansen, Edmund H., Los Angeles, Calif. Electrooptically photographing sound and sound track resulting therefrom. 1,961,610; June 5.
- Hansen, Edmund H., Los Angeles, Calif. Method and means for use in navigation. 1,983,079; Dec. 4.
- Hansen-Eilehammer, Jacob C., Hellerup, Denmark. Fuel supply in Diesel motors and the like. 1,964,796; July 3.
- Hansen-Eilehammer, Jacob C., Hellerup, Denmark. Producing of foam by mechanical means. 1,970,082; Aug. 14.
- Hansen, Ernest A., assignor to Controlador Corporation, Ltd., Oakland, Calif. Door operating device. 1,951,905; Mar. 20.
- Hansen, Ernest A., assignor to Controlador Corporation, Ltd., Oakland, Calif. Door-operating device. 1,951,906; Mar. 20.
- Hansen, Estlye D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Guarding and guiding apparatus. 1,955,805; Apr. 24.
- Hansen, Fremont R., Honey Creek, Iowa, assignor to Ray Lillydell, Bruning, Nebr. Tractor guide. 1,977,273; Oct. 16.
- Hansen, Gerhard, assignor to the firm Carl Zeiss, Jena, Germany. Refractometer. 1,968,202; July 31.
- Hansen, Gurney T., Colonie, N. Y. Water ball. 1,982,913; Dec. 4.
- Hansen, Hans P., assignor to John Marsellus Casket Company, Syracuse, N. Y. Burial casket. 1,977,584; Oct. 16.
- Hansen, Henning. (See Folke, K., and Hansen.)
- Hansen, Henry, Los Angeles, Calif. Combination pool ball rack and score board. 1,966,499; July 17.
- Hansen, Herman, New York, N. Y., assignor to Francis Keil & Son, Inc. Key cutting apparatus. 1,961,516; June 5.
- Hansen, Herman, New York, N. Y., assignor to Francis Keil & Son, Inc. Key cutting machine. 1,978,628; Oct. 30.
- Hansen, John C., Collingswood, and B. L. Hubbard, Hadon Heights, N. J., assignors to Radio Corporation of America. Optical system for sound reproducers. 1,958,996; May 15.
- Hansen, John P., Troutdale, Oreg. Terminal and sliding fastener for lines. 1,964,631; June 26.
- Hansen, Julius, Madison County, Ill., assignor to Shell Petroleum Corporation. Manufacturing lubricating oils. 1,956,716; May 1.
- Hansen, Julius, Madison County, Ill., assignor to Shell Petroleum Corporation. Clay burning furnace. 1,969,979; Aug. 14.
- Hansen, Julius W., Princeton, Ind. Mechanical movement. 1,967,505; July 24.
- Hansen, Julius W. and L. W., and I. N. Hurst, assignors to Hansen Manufacturing Company, Incorporated, Princeton, Ind. Sustaining-power synchronous electric clock, etc. 1,971,182; Aug. 21.
- Hansen, Karl J., Kongsberg, Norway. Ski. 1,973,343; Sept. 11.
- Hansen, Klaus L., Milwaukee, Wis. Dynamo electric machine. 1,976,782; Oct. 16.
- Hansen, Lester W. (See Hansen, Julius W. and L. W., and Hurst.)
- Hansen, Mahlin S., assignor to P. C. Reilly, Indianapolis, Ind. Froth-fotation process. 1,972,588; Sept. 4.
- Hansen, Mahlin S., assignor to P. C. Reilly, Indianapolis, Ind. Froth production and froth-producing reagent. 1,981,506; Nov. 20.
- Hansen Manufacturing Company. (See Hansen, Julius W. and L. W., and Hurst, assignors.)
- Hansen Mfg. Company. (See Hansen, William L., assignor.)
- Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Weighing scale. Des. 94,140; Dec. 25.
- Hansen, Martha, executrix. (See Bottker, V., and Hansen.)
- Hansen, Merlin, assignor to John Deere Tractor Company, Waterloo, Iowa. Seat support for tractors. 1,960,939; May 29.
- Hansen, Merrill E., assignor to American Anode Inc., Akron, Ohio. Making rubber articles. 1,968,887; Aug. 7.
- Hansen, Merritt R., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway draft gearing. 1,962,560; June 12.
- Hansen, Morten, assignor of one-half to W. G. Young, Los Angeles, Calif. Egg-feeding machine. 1,964,152; June 26.
- Hansen, Niels B., Willis, Kans. Milking stool. 1,984,212; Dec. 11.
- Hansen, Niels M., and H. K. Bigelow, Toledo, Ohio, assignors, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Testing apparatus. 1,950,607; Mar. 13.
- Hansen, Odd A., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Vaporizing device for liquefied gases. 1,952,860; Mar. 27.
- Hansen, Odd A., Buffalo, and L. A. Bliss, assignors to The Linde Air Products Company, New York, N. Y. Container for liquefied gases. 1,979,224; Oct. 30.
- Hansen, Oswald H., Cedarburg, Wis. Corn cutter. 1,975,574; Oct. 2.
- Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Can filling machine. 1,956,024; Apr. 24.
- Hansen, Paul, Copenhagen, Denmark. Safety device for compressed air or other fluid pressure pipe systems. 1,982,514; Nov. 27.
- Hansen, Rudolph M. (See Farley, G. W., and Hansen.)
- Hansen, Sven. (See Clark, W., and Hansen.)
- Hansen, Thomas. (See Bottker, V., and Hansen.)
- Hansen, Thorvald, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded reservoir. 1,966,244; July 10.
- Hansen, Valdemar, Copenhagen, Denmark. Perpetual calendar. 1,977,555; Oct. 16.
- Hansen, Vernon A. (See Tinker, J. M., and Hansen.)
- Hansen, Waldemar C. (See Ashley, K. D., and Hansen.)
- Hansen, Waldemar C., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Keene's cement. 1,972,888; Sept. 11.
- Hansen, Waldemar C., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Water-proofed gypsum. 1,975,787; Oct. 9.
- Hansen, William C., Milwaukee, Wis. Storm sash ventilator set. Des. 92,130; May 1.
- Hansen, William L., assignor to Hansen Mfg. Company, Princeton, Ind. Electric motor. 1,952,498; Mar. 27.
- Hansena A.-G. (See Nathan, Leopold, assignor.)
- Hanser, Otto C. (See Tolle, Leonard L., assignor.)
- Hansgirt, Fritz, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of metallic magnesium. 1,943,601; Jan. 16.
- Hansley, Virgil L. (See Muckenfuss, A. M., and Hansley.)
- Hausmann, Paul, Long Prairie, Minn. Plow. 1,975,271; Oct. 2.
- Hanson, Arden A., Oakland, Nebr. Automobile trunk. 1,941,860; Jan. 2.
- Hanson, Arthur F. (See Kelley, G. L., and Hanson.)
- Hanson, Arthur F., assignor to Budd Wheel Company, Philadelphia, Pa. External flash remover. 1,973,344; Sept. 11.
- Hanson, Arthur F., assignor to Budd Wheel Company, Philadelphia, Pa. Metal working machine. 1,980,584; Nov. 13.
- Hanson, Carl F., Summit, N. J., assignor to Habirshaw Cable & Wire Corporation, New York, N. Y. Increasing the electrical strength of cables. 1,950,608; Mar. 13.
- Hanson, Charles A., Munising, Mich. Mold for net leads. 1,981,103; Nov. 20.
- Hanson, Charles W. (See Betterton, J. O., and Hanson, assignors.)
- Hanson, Christian A., assignor to Ideal Hose Coupling Co., Inc., Coeur D'Alene, Idaho. Hose coupling. 1,966,718; July 17.
- Hanson, Ellert O., Lajord, Saskatchewan, Canada, assignor to Deere & Company, Moline, Ill. Reaper. 1,968,683; July 31.
- Hanson, Ernest R. (See Brown, S., and Hanson.)
- Hanson, Ernest R., Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y. Condenser construction. 1,974,918; Sept. 25.
- Hanson, Esther, Alma Center, Wis. Rack. 1,956,678; May 1.
- Hanson, Gordon B., Houston, Tex., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Bushing for dehydrators. 1,978,793; Oct. 30.
- Hanson, Hans E., Minneapolis, Minn. Combination metal lath and wall board construction. 1,950,672; Mar. 13.
- Hanson, Harold H., assignor to The Shaler Company, Waupun, Wis. Portable repair vulcanizer. 1,970,698; Aug. 21.
- Hanson, Helmer G., Vienna, S. Dak. Rear view mirror support for motor trucks and the like. 1,944,081; Jan. 16.
- Hanson, John, Brooklyn, N. Y. Safety window seat. 1,954,590; Apr. 10.
- Hanson, John H., and W. E. Underwood, Chicago, Ill. Fuse. 1,968,763; July 31.
- Hanson, John P., Butte, Mont. Signal switch for automobiles. 1,980,269; Nov. 13.
- Hanson, Martin C., Grand Rapids, Mich., assignor to Electric Sorting Machine Company. Sorting apparatus. 1,973,206; Sept. 11.

- Hanson, Martin J., Oak Park, assignor to Electric Corporation, Chicago, Ill. Electric clock motor. 1,965,772; July 10.
- Hanson, Melvin F., assignor to M. Moshin, Boston, Mass. Safety manucuring and finger nail cutter combination. 1,976,067; Oct. 9.
- Hanson, Milton E., Collingswood, N. J., assignor to B. F. Sturtevant Company. Radiant heater. 1,964,573; June 26.
- Hanson, Milton E., Collingswood, N. J., assignor to B. F. Sturtevant Company. Drying cylinder. 1,978,081; Oct. 23.
- Hanson, Milton E., Collingswood, N. J., assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Refrigeration apparatus. 1,978,795; Oct. 30.
- Hanson & Orth. (See Worden, Edward C., 1st, assignor.)
- Hanson, Oscar B., Westport, Conn., assignor to Radio Corporation of America. Adjustable acoustical element. 1,975,604; Oct. 2.
- Hanson, Rudolph L., Frewsburg, assignor to Jamestown Metal Desk Company, Jamestown, N. Y. Guide for sliding members. 1,985,495; Dec. 25.
- Hanson Scale Company. (See Hansen, Marius H., assignor.)
- Hanson, Sigvort, assignor to Racine Dispenser & Manufacturing Company, Racine, Wis. Dispenser. 1,973,566; Sept. 11.
- Hanson, Soren S., Brooklyn, N. Y. Muffler for internal combustion engines. 1,946,908; Feb. 13.
- Hanson, Tom, Worcester, England. Wire or strip blanking machine. 1,963,491; June 19.
- Hanson-Van Winkle-Munning Company. (See Baldwin, Allen T., assignor.)
- Hanson-Van Winkle-Munning Company. (See Hall, Wesley F., assignor.)
- Hanson-Van Winkle-Munning Company. (See Hogaboom, George B., assignor.)
- Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 1,958,042; May 8.
- Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Easel. 1,983,981; Dec. 11.
- Hantjopoulos, George, New York, N. Y. Automatic soil drill. 1,951,192; Mar. 13.
- Hantjopoulos, George, New York, N. Y. Automatic cultivator and planter. 1,958,966; May 15.
- Hantzsch, Ralph E. (See Newman, D. F., and Hantzsch.)
- Hanus, Ewald, Berlin-Hermesdorf, Germany. Grinding the treads of wheel rims for rail vehicles and the like. 1,951,977; Mar. 20.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Device for cleaning teat cups. 1,946,400; Feb. 6.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Teat cup for milking machines. 1,959,581; May 22.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Cow-milking apparatus. 1,959,716; May 22.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Automatic pneumatic pulsator for milking machines. 1,960,702; May 29.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Continuous milk delivery system. 1,962,192; June 12.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Vacuum pump. 1,971,448; Aug. 28.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine pail adapted to receive and discharge milk. 1,972,144; Sept. 4.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,978,941; Oct. 30.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Belt tightener. 1,982,299; Nov. 27.
- Hapgood, Roswell T., Charleston, W. Va. Apparatus for carbureting air. 1,985,165; Dec. 18.
- Hara, Ryosaburo, Sendai, assignor to Asahi Garasu Kabushiki Kaisha (Asahi Glass Co. Ltd.), Tokyo, Japan. Purifying raw salt. 1,976,222; Oct. 9.
- Haram, Mikal A., and J. M. Lundell, assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn. Cutter head for boring machines. 1,977,058; Oct. 16.
- Harazen, Charles, Chicago, and F. J. Hajek, Riverside, Ill. Beer dispensing cabinet. Des. 91,822; Mar. 27.
- Harazin, Charles. (See Basquin, O. H., Harazin, and Gerlach.)
- Harban, Steven J., and D. A. Holcomb, Riverside; said Harban assignor to A. J. Wampler, San Bernardino, Calif. Dispensing container. 1,974,650; Sept. 25.
- Harbaugh, Edwin T., Camden, N. J. Apparatus for blanching nuts. 1,979,334; Nov. 6.
- Harber, Laurence S. (See Pointon, J. E., and Harber.)
- Harber, Laurence S., and J. E. Pointon, Peterborough, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Dough piece forming machine. 1,965,413; July 3.
- Harbert, Carl J., Cleveland Heights, assignor to The Harsaw Chemical Company, Cleveland, Ohio. Pigment composition. 1,945,809; Feb. 6.
- Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake hanger retainer. 1,978,576; Oct. 30.
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Tender frame. 1,968,602; July 31.
- Harbison, William C., assignor to Packard Motor Car Company, Detroit, Mich. Stripping instrument. 1,970,851; Aug. 21.
- Harbo, Alf F., Minneapolis, Minn. Music printing stamp. 1,982,790; Dec. 4.
- Harbor Plywood Corporation. (See Welch, Arthur R., assignor.)
- Harburger, John, assignor to John Frederics, Inc., New York, N. Y. Hat. Des. 93,654; Oct. 23.
- Harburger, John, assignor to John Frederics, Inc., New York, N. Y. Hat. Des. 93,655; Oct. 23.
- Harburger-Oelwerke Brinckman und Mergell. (See Engelmänn, Friedrich W., assignor.)
- Harburger Ölwerke Brinckman & Mergell. (See Freiburg, Arnold, assignor.)
- Hard, Malcolm, Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Exhaust steam injector. Re19,229; July 3.
- Hard, Malcolm, Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Rear superheater for locomotives. 1,963,742; June 19.
- Hardacre, Richard W. (See Briggs, H. B., and Hardacre.)
- Hardaker, John T., Bradford, England. Apparatus for use in the production of harness cords for jacquard machines. 1,947,645; Feb. 20.
- Hardaker, John T., Bradford, England. Formation and arrangement of the harness cords for jacquard machines. 1,947,646; Feb. 20.
- Hardcastle, Jasper A., Angleton, assignor of one-half to R. L. Waxler, Houston, Tex. Apparatus for handling pipe. 1,951,407; Mar. 20.
- Hardcastle, Sydney, Montreal, Quebec, Canada. Fluid dispenser. 1,949,387; Feb. 27.
- Hardeman, Lee F., Memphis, Tenn., assignor of one-third to S. D. Tucker and one-third to L. A. Thornton. Elevator safety switch control. 1,974,848; Sept. 25.
- Hardeman, William E., Acocks Green, Birmingham, and E. S. Tompkins, Stratford-on-Avon, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Traction tread. 1,946,209; Feb. 6.
- Harden, Ralph L., assignor to The Mason Box Company, Attleboro Falls, Mass. File. 1,952,753; Mar. 27.
- Harder, Edwin L. (See Kerr, C., jr., Candee, King, Harder, and McLanahan.)
- Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Differential relaying system. 1,953,108; Apr. 3.
- Harder, Henry J., and H. R. Kottenberg, Beaver Dam, Wis. Casket receiving device. 1,963,267; June 19.
- Harder, Peter J., Osler, Saskatchewan, Canada. Map. 1,960,607; Aug. 7.
- Harder Refrigerator Corporation. (See Ryder, Frank H., assignor.)
- Hardesty, Francis D., Ferndale, assignor, by mesne assignments, to Ternstedt Manufacturing Company, Detroit, Mich. Locking device. Re19,073; Feb. 13.
- Hardesty, James M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conduit joint. 1,959,421; May 22.
- Hardesty, James M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Underground conduit. 1,968,447; July 31.
- Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. Control system. 1,980,799; Nov. 13.
- Hardesty, Ulie H., Hempstead, N. Y. Brake. 1,978,046; Oct. 23.
- Hardgrove, Ralph M. (See Gaffney, J. B., and Hardgrove.)
- Hardgrove, Ralph M., Westfield, N. J., assignor to Fuller Lehigh Company, Fullerton, Pa. Mixing device for gases carrying solid particles. 1,941,471; Jan. 2.
- Hardgrove, Ralph M., Westfield, N. J., assignor to Bailey Meter Company. Combustion control. 1,972,990; Sept. 11.
- Hardgrove, Ralph M., Bethlehem, Pa., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler and operating the same. 1,944,234; Jan. 23.
- Hardgrove, Ralph M., Bethlehem, assignor to Fuller Lehigh Company, Fullerton, Pa. Grinding mill with air sealing device. 1,965,186; July 3.
- Hardgrove, Ralph M., Bethlehem, assignor to Fuller Lehigh Company, Fullerton, Pa. Grinding mill and operating it. 1,965,643; July 10.
- Hardgrove, Ralph M., Bethlehem, and M. D. Jones, Allentown, assignors to Fuller Lehigh Company, Fullerton, Pa. Furnace for burning wet material. 1,973,705; Sept. 18.
- Hardie, William H. (See Keenan, W. F., jr., and Hardie.)
- Hardin, George W., Greeneville, Tenn. Aircraft. 1,949,304; Feb. 27.
- Harding, Charles H., Fort Smith, Ark. Packaging saddle for glass. 1,954,567; Apr. 10.
- Harding, Clarke T., Elizabeth, N. J., assignor to Standard-I. G. Company. Hydrogenation of hydrocarbon materials. 1,948,378; Feb. 20.

- Harding, Clarke T., Baton Rouge, La., assignor to Standard-I. G. Company. Hydrogenating hydrocarbon oils. 1,951,792; Mar. 20.
- Harding, Clyde R., Council Bluffs, Iowa. Convertible aircraft. 1,983,171; Dec. 4.
- Harding, Earle A., and D. A. Holt, Niagara Falls, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Process and composition for treating metals. 1,970,852; Aug. 21.
- Harding, Earle A., and D. A. Holt, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Case hardening. 1,979,214; Oct. 30.
- Harding, Henry V. (See McPartlin, L. J., and Harding.)
- Harding, John A., Taft, Calif. Safety pulley. 1,975,940; Oct. 9.
- Harding, John W., Brockway, Pa., assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind. Conveying mechanism. 1,979,878; Nov. 6.
- Harding, Justus W., assignor to The South Bend Tribune, South Bend, Ind. Making molds. 1,960,583; May 29.
- Harding, Lewis F. (See Hathaway, Chester S., assignor.)
- Harding, Milo M. (See Jacobsen, E., and Simonsen, assignors.)
- Harding, Thomas, Newark, N. J., assignor to J. L. Sommer Manufacturing Company. Combination bell and bottle cap remover. Des. 91,778; Mar. 20.
- Harding, William E., North Plainfield, N. J., assignor to Standard Oil Development Company. Liquid level indicator. 1,976,783; Oct. 16.
- Harding, William T., Raleigh, N. C. Universally adjustable bearing box. 1,953,403; Apr. 3.
- Hardinge Company, Incorporated. (See Hardinge, Harlowe, assignor.)
- Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Continuous weighing apparatus. 1,973,312; Sept. 11.
- Hardison, Betty, administratrix. (See Hardison, Charles J.)
- Hardison, Charles J., St. Petersburg, assignor of fifty-one per cent to M. D. Moody, Jacksonville, Fla.; B. Hardison, administratrix of C. J. Hardison, deceased. Automatic oil temperature control system for motor vehicles. 1,968,828; Aug. 7.
- Hardman, Albert H., and B. L. Helfer, Wheeling, W. Va. Coupler. 1,958,662; May 15.
- Hardman, Frederick J., assignor to Delco Products Corporation, Dayton, Ohio. Circuit breaker. 1,952,129; Mar. 27.
- Hardsoeg, Lester C., assignor to Hardsoeg Manufacturing Company, Ottumwa, Iowa. Drill head. 1,983,798; Dec. 11.
- Hardsoeg Manufacturing Company. (See Hardsoeg, Lester C., assignor.)
- Hardt, Gustav, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Manufacture of artificial silk. 1,967,206; July 17.
- Hardt, Gustav, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Manufacture of artificial silk. 1,984,303; Dec. 11.
- Hardt, Gustav, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Manufacture of artificial silk. 1,984,304; Dec. 11.
- Hardtmann, Max. (See Schepps, W., and Hardtmann.)
- Hardtmann, Max, Naunhof, near Leipzig, and A. Werner, Leipzig, Germany. Treatment of steel tools. 1,965,037; July 3.
- Hardwick, Christopher L., Cleveland, Tenn. Stove. Des. 92,298; May 22.
- Hardwick, Christopher L., Cleveland, Tenn. Stove. Des. 92,299; May 22.
- Hardwick-Etter Company. (See Streun, John A., assignor.)
- Hardwick, Hindle, Inc. (See Bjorndal, Magnus, assignor.)
- Hardwick Stove Company. (See Glenn, James C., assignor.)
- Hardwick Stove Company. (See Hurt, Robert B., assignor.)
- Hardwick Stove Company. (See Lee, James F., assignor.)
- Hardy, Arthur C., Wellesley, Mass., assignor to D. R. Goldthwaite, New York, N. Y. Producing musical tones. 1,967,239; July 24.
- Hardy, Charles, New York, assignor to Belmet Products, Inc., Brooklyn, N. Y. Slicing mechanism. 1,955,458; Apr. 17.
- Hardy, Charles, and L. Bady, New York, N. Y. Portable shower. 1,957,956; May 8.
- Hardy, Frank, Ramsey, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture recording system. 1,965,414; July 3.
- Hardy, John F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel attaching machine. 1,971,344; Aug. 28.
- Hardy, John L., Washington, D. C. dedicated to the free use of the Public. Device for rapidly determining the fineness of fibers. 1,957,886; May 8.
- Hardy, John N., Indianapolis, Ind. Fluid supply system. 1,953,603; Apr. 3.
- Hardy, Vinton M., Northampton Township, Summit County, Ohio. Sanding machine. 1,981,385; Nov. 20.
- Hare, Wilfred A., Detroit, Mich. Stoker furnace. 1,974,308; Sept. 18.
- Harf, Arthur, Brooklyn, N. Y. Filter. 1,979,197; Oct. 30.
- Hargreaves, John, Durban, Union of South Africa. Printer's rule. 1,983,453; Dec. 4.
- Hargreaves, Robert, assignor to Whiting Machine Works, Whitinsville, Mass. Boulder mechanism. 1,984,641; Dec. 18.
- Hargrove, Roy B., Waynesboro, Ga. Oil bottle top. 1,950,794; Mar. 13.
- Hargroves, Willis W., assignor to Planters Manufacturing Co., Inc., Portsmouth, Va. Basket cover fastener. 1,947,393; Feb. 13.
- Harig, Benjamin. (See Goldsmith, W. M., and Harig, assignors.)
- Harig, Benjamin, assignor, by mesne assignments, to W. M. Goldsmith, Cincinnati, Ohio. Temporary construction mold. 1,942,098; Jan. 2.
- Harkness, Andrew M., Nyack, assignor to General Chemical Company, New York, N. Y. Apparatus for treating gases. 1,972,932; Sept. 11.
- Harkness, George K., Rochester, and J. M. Harkness, Dartford, England, assignors, by mesne assignments, to B. A. Cronson. Projection of light. 1,977,477; Oct. 16.
- Harkness, James, Waukegan, Ill. Filling neck protector. 1,971,714; Aug. 28.
- Harkness, John M. (See Harkness, George K. and J. M.)
- Harkness, John, Newfield Smithy, Ruthwell, by Annan, Scotland. Attachment to reaping machines for the purpose of lifting fallen grain. 1,942,286; Jan. 2.
- Harkness, Louis T. (See Whalan, J. P., and Harkness.)
- Harkort, Hermann, Berlin-Tegel, Germany. Manufacturing hollow building plates from ceramic material. 1,980,270; Nov. 13.
- Harlan, Howard H., East Moline, Ill., assignor to Troy Laundry Machinery Co., Inc., New York, N. Y. Washing machine differential drive unit. 1,947,985; Feb. 20.
- Harley Burial Vault Company, The. (See Hamilton, John S., assignor.)
- Harley-Davidson Motor Company. (See Harley, William S., assignor.)
- Harley-Davidson Motor Company. (See Harley, W. S., and Trispe, assignors.)
- Harley-Davidson Motor Company. (See Thonger, J. R., and Denker, assignors.)
- Harley, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording system. 1,952,861; Mar. 27.
- Harley, Lee M., Brooklyn, N. Y., assignor to James H. Matthews & Company. Formation of printing dies. 1,947,986; Feb. 20.
- Harley, William S., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycle protecting guard. 1,941,801; Jan. 2.
- Harley, William S., and F. W. Trispe, assignors to Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycle saddle structure. 1,961,145; June 5.
- Harlie Bag Company, The. (See Lichter, Joseph, assignor.)
- Harlow, Earl V., East Orange, N. J., assignor to The Koppers Company of Delaware. Treatment of gas. 1,983,366; Dec. 4.
- Harlow, J. F. (See Frey, G. R., and Maxwell, assignors.)
- Harlow, Jesse H., Chicago, Ill. Stereoscopic camera and viewing device. 1,957,043; May 1.
- Harlow, Jesse H., Chicago, Ill. Picture viewing apparatus. 1,963,783; June 19.
- Harman, Gerald J., and A. M. Briggs, assignors to Harman Pacific Company, Los Angeles, Calif. Rotary pump. 1,980,404; Nov. 13.
- Harman, Hyde A., U. S. Navy. Automatic steersman. 1,953,428; May 15.
- Harman, Marion W., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Reaction product of mercapto-aryl-thiazoles and organic acid halides. 1,951,052; Mar. 13.
- Harman, Marion W., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacture of diaryl-thiazyl-disulphide. 1,963,019; June 12.
- Harman Pacific Company. (See Harman, G. J., and Briggs, assignors.)
- Harman, William R., Macksville, Kans. Multiple disk brake. 1,943,795; Jan. 16.
- Harmatone Company. (See Bennington, C. H., and Stein, assignors.)
- Harmer, Joseph J., assignor of one-half to W. R. Teller, New York, N. Y. Hose supporter clip. 1,955,911; Apr. 24.
- Harmon, Arthur R., La Grange, assignor of one-third to H. L. Munson, Chicago, and one-third to V. E. Carlson, La Grange, Ill. Time-controlled apparatus. 1,958,663; May 15.
- Harmon, Arthur R., La Grange, assignor of one-third to H. L. Munson, Chicago, and one-third to V. E. Carlson, La Grange, Ill. Time-controlled apparatus. 1,958,664; May 15.
- Harmon, Carlyle. (See Howard, G. C., and Harmon.)
- Harmon, Frank H., assignor of one-half to M. E. Sheets, St. Louis, Mo. Automatic stripping machine. 1,947,714; Feb. 20.
- Harmon, George N. (See Flynn, F. E., and Harmon.)
- Harmon, John B. (See Wiener, J. A., and Harmon.)
- Harmon, Kenneth R., Norfolk, Va. Ice shaver. 1,974,025; Sept. 18.
- Harmon, Le Roy R., Geddes, S. Dak. End gate. 1,962,272; June 12.
- Harmon, Melvin H., assignor to Logan Porter Mirror Company, High Point, N. C. Making ornamental mirrors. 1,971,261; Aug. 21.
- Harmon, Philip W. (See Roberson, S. D., and Harmon.)

- Harmon, Ralph N., Wilksburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric tube frequency multiplier. 1,962,392; June 12.
- Harmony Company, The. (See Gast, Theodore A., assignor.)
- Harms, Viggo, Berlin, Germany, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Crystallization. 1,976,936; Oct. 16.
- Harned, Harry S. (See Lyons, Willard E., assignor.)
- Harner, Harold R., and T. W. Carney, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Paste for storage battery plates. 1,975,544; Oct. 2.
- Harnett, A. De Vere, Racine, Wis. Golf ball practice driving apparatus. 1,966,960; July 17.
- Harnett, Daniel E., Tuckahoe, N. Y., assignor to Hazeltine Corporation. Radioreceiver. 1,962,104; June 5.
- Harnett, Lewis D., Columbus, Ohio. Use of ice in connection with air conditioning. 1,983,080; Dec. 4.
- Harney, Emmet T., Garwood, N. J. Typewriting machine. 1,955,912; Apr. 24.
- Harnischfeger Corporation. (See Burdick, Will S., assignor.)
- Harnischfeger Corporation, et al. (See Clark, Malcolm S., assignor.)
- Harnischfeger Corporation. (See Harnischfeger, H., and Lexa, assignors.)
- Harnischfeger Corporation. (See Mitchell, Holger L., assignor.)
- Harnischfeger Corporation. (See Wadd, Roy J., assignor.)
- Harnischfeger, Henry, and G. J. Lexa, assignors to Harnischfeger Corporation, Milwaukee, Wis. Garage. 1,955,959; Apr. 24.
- Harnish, John H., Omaha, Nebr. Dispenser. 1,979,105; Oct. 30.
- Harnly, David H., Chicago, Ill. Weather strip. 1,984,724; Dec. 25.
- Harnsberger, Audley E., and C. L. Smith, assignor to The Pure Oil Company, Chicago, Ill. Oil heater. 1,944,318; Jan. 23.
- Harnsberger, McWhite, Upper Darby, Pa. Cream extractor. 1,950,553; Mar. 13.
- Harold, Herschel H. (See McNamara, L. C., Conway, Bissell, Harold, and Wicker.)
- Haroldson, Arthur, Valparaiso, Ind., assignor to Continental Diamond Fibre Company, Newark, Del. Making electric resistance. 1,985,166; Dec. 18.
- Harper, Frank C., Carnegie, Pa. Ornamental decoration. 1,981,696; Nov. 20.
- Harper, Frederick. (See Howald, W. T., Boublis, and Harper.)
- Harper, G. W. (See Snow, H. C., and Harper.)
- Harper, George W., assignor to The Columbia Axle Company, Cleveland, Ohio. Speedometer drive. 1,958,788; May 15.
- Harper, James G. (See Remischissel, C. A., and Harper.)
- Harper, John M., et al. (See Doub, Edwin A., assignor.)
- Harper, Philip S., Chicago, Ill. Double range gas cock. 1,964,287; June 26.
- Harper, Philip S., Chicago, Ill. Gas cock and burner. 1,964,288; June 26.
- Harper, Philip S., Chicago, Ill. Shutter means for gas burners. 1,968,203; July 31.
- Harper, Philip S., Chicago, Ill. Gas burner. 1,971,449; Aug. 28.
- Harper, Walter D., Florence, S. C. Electrical thermostat. 1,955,881; Apr. 24.
- Harper, William, jr., Port Washington, assignor to Super-Marine Systems, Inc., New York, N. Y. Laminated body and making same. 1,976,257; Oct. 9.
- Harper, William A. (See Frank, H. J. L., Messing, and Harper.)
- Harper's Bazaar, Inc. (See Kip, Carola de P., jr., assignor.)
- Harpey, Adelbert W. (See Christiansen, W. G., and Harvey.)
- Harr, Herman H., assignor, by mesne assignments, to J. Cowan, Newark, N. J. Beer cooling and dispersing apparatus. 1,946,691; Feb. 13.
- Harrah, Clayton C., assignor to National Standard Company, Niles, Mich. Manufacture of conduits. 1,964,289; June 26.
- Harrah, Clayton C., assignor to National Standard Company, Niles, Mich. Flexible conduit. 1,978,529; Oct. 30.
- Harrah, William F., Taft, Calif. Tubing and drill pipe rack. 1,971,609; Aug. 28.
- Harred, George H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Wire stitching machine. Des. 92,804; July 17.
- Harrell, Charles, assignor of one third to J. B. Bates, Wateree, and one third to H. E. Dixon, Columbia, S. C. Classifier. 1,959,917; May 22.
- Harrell, John W., assignor of thirty-five per cent to H. Schiff, Cincinnati, Ohio. Hydrogen generator for internal combustion engines. 1,966,345; July 10.
- Harries, Arthur W., Twickenham, England. Paper feeding mechanism for printing machines. 1,954,734; Apr. 10.
- Harries, Wolfang. (See Simon, H., and Harries.)
- Harold, Guildford R., and E. Crabbe, Yakima, Wash. Bun cutting machine. 1,953,558; Apr. 3.
- Harrington, Alfred. (See Keall, F. B., and Harrington.)
- Harrington, Earl E., Washington, D. C., assignor to M. Hain, Los Angeles, Calif. Catamenial appliance. Re19,119; Mar. 27.
- Harrington, Edward L., assignor to Blaw-Knox Company, Pittsburgh, Pa. Bucket structure. 1,979,832; Nov. 6.
- Harrington, Elliott D., Schenectady, N. Y., assignor to General Electric Company. Oil burner electrical ignition. 1,957,207; May 1.
- Harrington, Ferris T., assignor to Whitman & Barnes, Incorporated, Detroit, Mich. Tool holder. Re19,111; Mar. 13.
- Harrington, Fred H. (See Early, J. W., and Harrington.)
- Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Core drill. 1,952,165; Mar. 27.
- Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 1,962,589; June 12.
- Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,972,298; Sept. 4.
- Harrington, Herbert W., London, England. Moistening device. 1,942,813; Jan. 9.
- Harrington, James R., Oak Park, assignor to Howe Manufacturing Company, Chicago, Ill. Electric signal system. 1,950,108; Mar. 6.
- Harrington, James R., Mansfield, Ohio, assignor to Howe Manufacturing Company, Chicago, Ill. Switch. 1,961,146; June 5.
- Harrington, John W., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Handcuff. 1,984,677; Dec. 18.
- Harrington, Joseph L., Toledo, assignor to Addressograph Company, Cleveland, Ohio. Combined drawer pull and label holder. 1,968,829; Aug. 7.
- Harrington, Paul J., Elizabeth, N. J., assignor to Standard Oil Development Company. Method and apparatus for counter-current washing. 1,943,822; Jan. 16.
- Harrington, Ralph H., assignor to The General Tire & Rubber Company, Akron, Ohio. Advertising device. 1,943,237; Jan. 9.
- Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Insulation material. 1,983,367; Dec. 4.
- Harrington & Richardson Arms Company. (See Harrington, John W., assignor.)
- Harrington, Thomas W., Kevin, Mont. Float operated valve for oil wells. 1,984,741; Dec. 18.
- Harrington, William H., and A. H. Nero, West Hartford, assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Illuminated sign. 1,975,690; Oct. 2.
- Harris, A. T., Holding Corporation. (See Harris, Albert T., assignor.)
- Harris, Albert T., New York, N. Y., assignor, by mesne assignments, to A. T. Harris Holding Corporation. Power transmission device. 1,964,730; July 3.
- Harris, Alexander, Newark, N. J., assignor to Art Metal Works, Inc. Ornamental radiator cap attachment. 1,978,577; Oct. 30.
- Harris, Archer H., administrator. (See Harris, Howard.)
- Harris, Benjamin R. (See Epstein, A. K., and Harris.)
- Harris, Benjamin R. (See Epstein, A. K., Reynolds, and Harris.)
- Harris, Benjamin R., Chicago, Ill. Composition of matter. 1,958,700; May 15.
- Harris, Benjamin R., Chicago, Ill. Making margarine. 1,985,496; Dec. 25.
- Harris, Carl C., Orange, Mass. Pencil. Des. 93,476; Oct. 2.
- Harris, Carl C., Orange, Mass. Pencil. 1,975,788; Oct. 9.
- Harris, Carl C., Orange, Mass. Umbrella support. 1,982,097; Nov. 27.
- Harris, Carl R. (See Blackwood, A. J., and Harris.)
- Harris, Charles M. (See Ketel, H., Harris, and Van Der Heuvel.)
- Harris, Charles M., Holland, Mich. Fifth wheel for trailers. 1,981,233; Nov. 20.
- Harris, Charles R., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del. Manufacture of lead sulphocyanide. 1,977,440; Oct. 16.
- Harris, Clarence K., Marion, Ohio. Spiral swing. 1,985,497; Dec. 25.
- Harris, Cleo, Cincinnati, assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio. Ball and socket joint. 1,948,757; Feb. 27.
- Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Grease gun. 1,965,547; July 3.
- Harris, Cleo, Cincinnati, assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio. Ball and socket connection. 1,966,961; July 17.
- Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricating device. 1,974,849; Sept. 25.
- Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Grease discharge device. 1,981,508; Nov. 20.
- Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Hose reel. 1,982,610; Nov. 27.
- Harris, Cleo, and C. G. Butler, assignors to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Portable grease pump. 1,981,507; Nov. 20.
- Harris, Earl A., assignor to Hydroaulic, Incorporated, East Orange, N. J. Door operating device. 1,954,813; Apr. 17.
- Harris, Edward E., Chicago, Ill. Combined salt and pepper shaker. 1,985,498; Dec. 25.

- Harris, Esther, Brooklyn, N. Y. Caster. 1,981,728; Nov. 20.
- Harris, Ford W. (See Coberly, C. J., and Harris.)
- Harris, Ford W., assignor to Patco, Inc., Los Angeles, Calif. Automatic indirect heated storage water heater. 1,971,139; Aug. 21.
- Harris, Frank W. (See Tainton, U. C., and Harris.)
- Harris, Garnet E., and W. Stubbins, Toronto, Ontario, Canada. Automatic control for electric signs. 1,964,943; July 3.
- Harris, George, Stockton, Calif. Cargo net. 1,966,893; July 17.
- Harris, George H., Portsmouth, Ohio. Builder's guide. 1,943,017; Jan. 9.
- Harris, George J., assignor of one-third to M. L. Harris, Providence, R. I., and one-third to Harold C. Osler, Boston, Mass. Packaging and display means. 1,943,762; Jan. 16.
- Harris, Gordon D., Old Greenwich, N. Y. Tobacco treating method. 1,975,719; Oct. 2.
- Harris, Gordon D., Old Greenwich, Conn. Apparatus for conditioning air. 1,981,595; Nov. 20.
- Harris, Gordon D., Old Greenwich, assignor to The Industrial Dryer Corporation, Stamford, Conn. Apparatus for hanging tobacco. 1,942,893; Jan. 9.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Method and apparatus for conditioning materials. 1,951,281; Mar. 13.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Apparatus for hanging tobacco. 1,951,930; Mar. 20.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Material conditioning. 1,961,686; Jan. 5.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Treatment of tobacco and similar materials with conditioned gas. 1,961,687; June 5.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Apparatus for treating materials. 1,968,764; July 31.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Conditioning of tobacco and similar materials. 1,971,405; Aug. 28.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Conditioning air for use in treating materials. 1,972,772; Sept. 4.
- Harris, Gordon D., Sound Beach, Conn. Tobacco hanger. 1,972,773; Sept. 4.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Method and apparatus for treating materials. 1,975,717; Oct. 2.
- Harris, Gordon D., Sound Beach, assignor to The Industrial Dryer Corporation, Stamford, Conn. Casing tobacco. 1,975,718; Oct. 2.
- Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Casing machine. 1,982,990; Dec. 4.
- Harris, Grove W., et al. (See Beckler, Oakley K., assignor.)
- Harris, Henry E., Little Rock, Ark. Bulk material measuring and dispensing device. 1,964,118; June 26.
- Harris, Henry H., Detroit, Mich. Lamp connection. 1,968,077; July 31.
- Harris, Herbert, assignor to A. O. Smith Corporation, Milwaukee, Wis. Air hardening steel. 1,976,341; Oct. 9.
- Harris, Herbert H., New York, N. Y. Lip stick holder. Des. 91,270; Jan. 2.
- Harris, Herbert H., New York, N. Y. Vanity case or similar article. Des. 93,715; Oct. 30.
- Harris, Howard C., Akron, Ohio, deceased, A. H. Harris, administrator, assignor, by mesne assignments, to The First-Central Trust Company, Akron, Ohio, trustee. Pivotal connection. 1,945,369; Jan. 30.
- Harris, Irving C., Los Angeles, Calif. Tool joint. 1,981,863; Nov. 27.
- Harris, Joseph A., Salt Lake City, Utah. Milk bottle washing and brushing machine. 1,968,521; July 31.
- Harris, Joseph P., Madison, Wis. Voting and counting machine. 1,947,157; Feb. 13.
- Harris, Laurence V. D., Norfolk, Conn. Counter boring tool. 1,955,631; Apr. 17.
- Harris, Leonard B., Bayside, assignor to International Oil Gas Corporation, New York, N. Y. Expansion-joint for oil gas generators. 1,956,794; May 1.
- Harris, Leonard B., Bayside, assignor to International Oil Gas Corporation, New York, N. Y. Oil gas generator. 1,957,535; May 8.
- Harris, Lorenzo W., Asbury Park, N. J. Game. 1,947,772; Feb. 20.
- Harris, May, Chicago, Ill. Combined apron and toilet case. 1,979,879; Nov. 6.
- Harris, Morris L., et al. (See Harris, George J., assignor.)
- Harris, Norman C., and J. Sosoka, Los Angeles, Calif. Seat facer. 1,962,273; June 12.
- Harris, Omar C., assignor of one-half to E. E. Levy, Chicago, Ill. Milk cooler and deodorizer. 1,942,058; Jan. 2.
- Harris, Ora E., Kearney, Nebr. Ice cream dipper. Re19,084; Feb. 13.
- Harris, Ora E., Kearney, Nebr. Ice cream dipper. 1,978,942; Oct. 30.
- Harris, Ora E., Kearney, Nebr. Ice cream dipper. 1,978,943; Oct. 30.
- Harris, Parley F., Washington, D. C. Trap. 1,943,177; Jan. 9.
- Harris, Parley F., Washington, D. C. Pedestal block trap. 1,955,496; Apr. 17.
- Harris, Raymond B., Jacksonville, Fla., assignor to Wood Chemical Products Company, Mentor, Ohio. Constructing bituminous macadam roads. 1,964,987; July 3.
- Harris, Robert A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming a die mounting. 1,959,422; May 22.
- Harris, Robert E. (See Baier, W. E., and Harris.)
- Harris, Robert E., Fort Thomas, Ky., assignor to The Cincinnati Made Corporation, Cincinnati, Ohio. Fiber can. 1,950,173; Mar. 6.
- Harris, Samuel J., Dayton, Ohio. Tobacco pipe. 1,976,496; Oct. 9.
- Harris-Seybold-Potter Company. (See Droitcour, Michael A., assignor.)
- Harris-Seybold Potter Company. (See Jones, Thomas R., assignor.)
- Harris-Seybold-Potter Company. (See Seybold, Frederick W., assignor.)
- Harris-Seybold-Potter Company, The. (See Valiquette, William L., assignor.)
- Harris, Sidney E. (See Christiansen, W. G., and Harris.)
- Harris, Sidney E., Brooklyn, and W. G. Christiansen, Bloomfield, assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Mercury derivatives of substitution products of di-phenyl phenolphthalein. 1,952,166; Mar. 27.
- Harris, Stanley W., and F. H. Jennings, Akron, and R. W. Sethman, Cuyahoga Falls, assignors to The National Rubber Machinery Company, Akron, Ohio. Machine for engraving molds. 1,974,919; Sept. 25.
- Harris, Vernon J., Cleveland, Ohio. Lubricating device. 1,960,584; May 29.
- Harris, Walter. (See Gerrard, W., and Harris.)
- Harris, Walter C., Erie, Pa., assignor to General Electric Company. Electric drive. 1,957,208; May 1.
- Harris, Walter L., Omaha, Nebr., assignor to American Telephone and Telegraph Company. Telephone and direct conversation circuits. 1,954,932; Apr. 17.
- Harris, Walton T. (See Anton, F. A., and Harris.)
- Harris, William A., Belleville, N. J., assignor to Radio Corporation of America. High frequency converter arrangement. 1,970,961; Aug. 21.
- Harris, William W., Brockton, Mass. Marble target game. 1,942,476; Jan. 9.
- Harris, William W., Brockton, Mass. Marble game. 1,961,147; June 5.
- Harris, William W., assignor to Continental Motors Corporation, Detroit, Mich. Clutch. 1,964,054; June 26.
- Harris, William W., assignor to Continental Motors Corporation, Detroit, Mich. Vibration damper. 1,978,199; Oct. 23.
- Harris, William W., and J. W. Tatter; said Harris assignor to Continental Motors Corporation, Detroit, Mich. Power transmitting device. 1,957,500; May 8.
- Harrisburg Pipe and Pipe Bending Company. (See Bowers, John F., assignor.)
- Harrisburg Trust Company, executor. (See Penman, M. B., and McCollum.)
- Harriscolor Films, Inc. (See Fairall, Harry K., assignor.)
- Harrison, Abraham, New York, N. Y. Shoulder strap for garments. 1,972,933; Sept. 11.
- Harrison, Albert A. (See Vestal, Merton I., assignor.)
- Harrison, Albina J., et al. (See Plochman, Carl M., assignor.)
- Harrison, Arthur H., Gold Pines, Ontario, Canada. Wall board. 1,980,631; Nov. 13.
- Harrison, Benjamin C., Wichita, Kans. Holder for hypodermic needles. 1,975,360; Oct. 2.
- Harrison, Benjamin H., et al. (See Plochman, Carl M., assignor.)
- Harrison, Charles, assignor of one-half to British Motor Boat Manufacturing Company, Limited, London, England. Propelling and steering unit for amusement boats. 1,958,997; May 15.
- Harrison, Charles F. R., and S. Labrow, Norton-on-Tees, assignors to Imperial Chemical Industries Limited, London, England. Releasing the pressure of mixtures of solids and liquids existing under high pressure. 1,961,879; June 5.
- Harrison, Clarence L., Syracuse, N. Y. Baseball game apparatus. 1,965,101; July 3.
- Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Extension grate. 1,978,106; Oct. 23.
- Harrison, Emma. (See Matthew, James S., assignor.)
- Harrison, Everett H., Wichita, Kans. Steam vat for creamery use. 1,943,602; Jan. 16.
- Harrison, Gale, Kearny, N. J. Socket locking attachment and tool for electric devices. 1,963,234; June 19.
- Harrison, George E., Wheatland, Calif. Collapsible lug box. 1,967,506; July 24.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Turntable for phonograph records. 1,950,109; Mar. 6.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metal-coating phonograph records. 1,954,995; Apr. 17.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Feed mechanism for phonograph recorders. 1,959,423; May 22.

- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph reproducer. 1,960,007; May 22.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic translating device. 1,962,304; June 12.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Sound measuring system. 1,963,448; July 31.
- Harrison, Herbert T., assignor to Alfred Herbert Limited, Coventry, England. Disk clutch. 1,985,825; Dec. 25.
- Harrison, James B., Mount Washington, Ohio. Exercising machine. 1,950,174; Mar. 6.
- Harrison, Marion M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflated ball and making same. 1,969,128; Aug. 7.
- Harrison, Meyer S., et al. (See Drexler, Samuel, assignor.)
- Harrison, Monroe, Chicago, Ill. Dispensing vehicle or analogous article. Des. 92,468; June 12.
- Harrison, Ralph H., Detroit, Mich. Producing a negative by reversal. 1,984,580; Dec. 18.
- Harrison, Robert E. W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,980,682; Nov. 13.
- Harrison, Robert E. W., and F. S. Haas, Mount Washington, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Brake shoe grinder. 1,952,130; Mar. 27.
- Harrison, Robert E. W., Cincinnati, Ohio, and S. Carbis, Tarentum, Pa.; said Harrison assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,972,623; Sept. 4.
- Harrison, Robert E. W., and K. T. Schledorn, Cincinnati, Ohio, assignors, by mesne assignments, to Heald Machine Company, Worcester, Mass. Grinding machine. 1,973,626; Sept. 11.
- Harrison, Thomas. (See Gould, F. C., and Harrison.)
- Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Instrument case. Re19,165; May 15.
- Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument, apparatus, and method. 1,946,280; Feb. 6.
- Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 1,982,300; Nov. 27.
- Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring thermal conductivity. 1,981,172; Nov. 20.
- Harrison, Thornton C., Cincinnati, Ohio, assignor to Lektophone Corporation. Bag closing machine. 1,975,941; Oct. 9.
- Harrison, Walter D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Brush rigging. 1,983,799; Dec. 11.
- Harold, Frederick, assignor of one-third to P. J. Schiska, Mansfield, Ohio. Tube holder. 1,949,607; Mar. 6.
- Harrop Ceramic Service Company. (See Hartford, F. M., and Brush, assignors.)
- Harrop, James W. (See Wainwright, J. A., and Harrop.)
- Harrub, Calvin N., Nashville, Tenn. Check valve. 1,950,847; Mar. 13.
- Harry, Alma. (See Olsen, Victor, assignor.)
- Harsch, John W., Gwynedd, assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of and apparatus for heat-treating. 1,949,716; Mar. 6.
- Harsem, Oistein, Oslo, assignor to Imperator Hesteko Aktieselskap, Tonsberg, Norway. Metal reinforcement structure for horseshoes of elastic material. 1,962,073; June 5.
- Harsen, Fred S., assignor of one-half to A. F. Kreutzer, Chicago, Ill. Ladder supporting structure. 1,948,577; Feb. 27.
- Harsh, Robinson H., Washington, D. C. Bearing and friction lock. 1,969,749; Aug. 14.
- Harsh, Russell K., Dallas, Tex. Game board. Des. 93,823; Nov. 13.
- Harshaw Chemical Company, The. (See Harbert, Carl J., assignor.)
- Harshaw Chemical Company, The. (See Long, Kenneth E., assignor.)
- Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Roofing element or similar article. Des. 91,654; Mar. 6.
- Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Roofing. Des. 93,824; Nov. 13.
- Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Producing building material. 1,943,258; Jan. 9.
- Harshberger, Norman P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Roofing material and making same. 1,952,754; Mar. 27.
- Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Cutting shingles. 1,956,285; Apr. 24.
- Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Shingle and method of producing the same. 1,974,047; Sept. 18.
- Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Shingle and manufacturing the same. 1,980,053; Nov. 6.
- Harshberger, Norman P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Reversible shingle. 1,984,529; Dec. 18.
- Harshberger, Norman P., Pasadena, Calif., assignor to Bakelite Building Products Co., Inc., New York, N. Y. Accelerating the saturation of fabric-based sheets with bituminous material. 1,943,257; Jan. 9.
- Harshberger, Norman P., Pasadena, Calif., assignor to Bakelite Building Products Co., Inc., New York, N. Y. Roofing and siding element. 1,945,485; Jan. 30.
- Harshberger, Norman P., Pasadena, Calif., assignor to Bakelite Building Products Co., Inc., New York, N. Y. Roof covering and forming same. 1,949,907; Mar. 6.
- Harshberger, Norman P., Pasadena, Calif., assignor to Bakelite Building Products Co., Inc., New York, N. Y. Roofing and siding element and producing contrasting effects thereon. 1,969,074; Aug. 7.
- Harsted, Harry H., Chicago, Ill. Fishing fly book. 1,954,127; Apr. 10.
- Harsted, Harry H., Chicago, Ill. Portable lamp and recharging means. 1,964,201; June 26.
- Harstick, William H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Power transmission mechanism. 1,945,071; Jan. 9.
- Hart, Alfred V., Westfield, N. J. Handle for sweeps and the like. 1,972,653; Sept. 4.
- Hart, Alvin L., San Diego, Calif. Internal combustion engine. 1,965,548; July 3.
- Hart, Aubrey, New York, N. Y. Indicator. Des. 92,653; July 3.
- Hart, Charles, Media, assignor, by mesne assignments, of one-half to W. S. Jackson, Philadelphia, Pa. Duplex puddling. 1,954,172; Apr. 10.
- Hart, Cooley, Highton, Co. (See Bailey, James H., assignor.)
- Hart & Cooley Manufacturing Co. (See Heasley, Lloyd E., assignor.)
- Hart, Effie, administratrix. (See Hart, Howard C.)
- Hart, Elonza L., Charleston, W. Va. Pipe cutting and beveling apparatus. 1,942,099; Jan. 2.
- Hart, Ernest E., Minneapolis, assignor to Quality Park Envelope Co., St. Paul, Minn. Expanding file pocket and wallet. 1,956,325; Apr. 24.
- Hart, Frank A., New York, N. Y. Condiment holder. 1,979,198; Oct. 30.
- Hart, Frank R., and S. W. Lasher, Pacific Grove, Calif. Therapeutic applicator employing vapor passed through a beam of radiant energy. 1,945,856; Feb. 6.
- Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,945,895; Feb. 6.
- Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,952,983; Mar. 27.
- Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,973,314; Sept. 11.
- Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,973,315; Sept. 11.
- Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,982,251; Nov. 27.
- Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,984,410; Dec. 18.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,967,437; July 24.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,973,313; Sept. 11.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Power actuated carriage return mechanism. 1,978,997; Oct. 30.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,985,826; Dec. 25.
- Hart, Frederick P. (See Schrader, L. F., and Hart.)
- Hart, George M., minor. (See Milone, Samuel, assignor.)
- Hart, George T., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Locking thread mechanism. 1,976,017; Oct. 9.
- Hart, Gerald W., deceased, Hartford, by T. Hewes, Farmington, and W. A. Countryman, Jr., Hartford, Conn. administrators. Thermostatically operated electric switch. 1,982,955; Dec. 4.
- Hart Glass Manufacturing Company. (See McDonald, Harry R., assignor.)
- Hart, Harold L. (See Hume, J. T., and Hart.)
- Hart, Harry B., Boston, Mass. Sheet, mattress, and blanket clamp. 1,948,965; Feb. 27.
- Hart, Harry S., et al. (See Hilgerink, Frank M., assignor.)
- Hart, Henry J. (See Dowd, B. J., and Hart, assignors.)
- Hart, Herbert H., assignor of one-half to Charles E. Dillinger, Orcutt, Calif. Condensing separator. 1,953,480; Apr. 3.
- Hart, Howard C., deceased, Russiaville, Ind. Effie Hart, administratrix. Automatic lock for window operators. 1,942,962; Jan. 9.
- Hart & Hutchinson Company, The. (See Anderson, Gustav H., assignor.)
- Hart & Hutchinson Company, The. (See MacDonald, Gerald A., assignor.)
- Hart, J. Gordon. (See Joy, Leonard, assignor.)
- Hart, John M., West Gouldsboro, assignor to Keyes Fibre Company, Inc., of Waterville, Maine. Dish or similar article. Des. 93,163; Aug. 28.

- Hart, Leland P. (See Gardner, H. A., and Hart.)
- Hart, Lester C., Cleveland, Ohio, assignor to Hi-Voltage Equipment Company. Multiple pole switch. 1,944,235; Jan. 23.
- Hart, Lester C., Cleveland, Ohio, assignor to Hi-Voltage Equipment Company. Switch. 1,962,305; June 12.
- Hart Manufacturing Company, The. (See Smart, Ezra E., assignor.)
- Hart, Percy B., et al., trustees. (See Milone, Samuel, assignor.)
- Hart, Robert W., Lynn, assignor to Submarine Signal Company, Boston, Mass. Measuring distance. 1,979,225; Oct. 30.
- Hart, Thomas H., Springfield, assignor to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Brooder cage. 1,973,530; Sept. 11.
- Hart, William A., Detroit, Mich., assignor to Colonial Broach Company. Bearing broaching machine. 1,961,928; June 5.
- Hartdorn, Louis G., Rego Park, N. Y. Control mechanism for automobile engines. 1,975,147; Oct. 2.
- Harte, Frank, assignor to R. Papert, New York, N. Y. Automatic radio tuning mechanism. 1,948,710; Feb. 27.
- Harte, Richard, assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Making shovels and like implements. 1,970,137; Aug. 14.
- Hartenberger, Roland J., Sheboygan, Wis. Pastry cutter. Des. 93,396; Sept. 25.
- Harter, Charles, and O. A. Garber, St. Louis, Mo. Locomotive construction. 1,964,514; June 26.
- Harter, Charles E., Wooster, Ohio. Counter display case. 1,951,695; Mar. 20.
- Harter, Evan C., Sturgis, Mich. Chair. 1,973,627; Sept. 11.
- Harter, Fred L. (See Snyder, Robert E., assignor.)
- Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Impulse clock. 1,944,602; Jan. 23.
- Harter, George F., assignor to Standard Electric Time Company, Springfield, Mass. Electric clock. 1,945,272; Jan. 30.
- Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Binding post. 1,945,857; Feb. 6.
- Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Impulse clock. 1,960,873; May 29.
- Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Synchronous motor clock system. 1,979,326; Nov. 6.
- Harter, Hans, Wurzburg, Germany. Oxidizing hydrocarbons. 1,985,875; Dec. 25.
- Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Tube. 1,945,549; Feb. 6.
- Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Heating furnace. 1,946,971; Feb. 13.
- Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,966,388; July 10.
- Harter, Isaac, New York, N. Y., assignor to Fuller Lehigh Company, Fullerton, Pa. Water tube boiler. 1,971,039; Aug. 21.
- Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,975,789; Oct. 9.
- Harter, Noah S., assignor to Cyclone Fence Company, Waukegan, Ill. Agitating means for wire screen during galvanizing process. 1,971,104; Aug. 21.
- Hartfield, August J., Huntington Park, Calif. Feed control for burners. 1,973,955; Sept. 18.
- Hartford, Charles E. (See Sweeney, O. R., and Hartford.)
- Hartford-Empire Company. (See Bailey, James, assignor.)
- Hartford-Empire Company. (See Barker, William T., jr., assignor.)
- Hartford-Empire Company. (See Bethel, Albert R., assignor.)
- Hartford-Empire Company. (See Canfield, Robert W., assignor.)
- Hartford-Empire Company. (See Eastman, Harold L., assignor.)
- Hartford-Empire Company. (See Headley, B. T., and Thompson, assignors.)
- Hartford-Empire Company. (See Henry, K. M., and Noble, assignors.)
- Hartford-Empire Company. (See Hiller, Everett O., assignor.)
- Hartford-Empire Company. (See Honiss, William T., assignor.)
- Hartford-Empire Company. (See Kinker, Clarence C., assignor.)
- Hartford-Empire Company. (See Lorenz, Edward H., assignor.)
- Hartford-Empire Company. (See Lorenz, E. H., and Rowe, assignors.)
- Hartford-Empire Company. (See Low, Marshall, assignor.)
- Hartford-Empire Company. (See McIntosh, Harold W., assignor.)
- Hartford-Empire Company, The. (See Miller, W. J., and Lawrence, assignors.)
- Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
- Hartford-Empire Company. (See Murgatroyd, John B., assignor.)
- Hartford-Empire Company. (See Peiler, Karl E., assignor.)
- Hartford-Empire Company. (See Peiler, K. E., and Smith, assignors.)
- Hartford-Empire Company. (See Rowe, George E., assignor.)
- Hartford-Empire Company. (See Ryan, Charles F., assignor.)
- Hartford-Empire Company. (See Smith, Algy J., assignor.)
- Hartford-Empire Company. (See Smith, Arthur E., assignor.)
- Hartford Empire Company. (See Wadman, Harold A., assignor.)
- Hartford-Empire Company. (See Wadman, H. A., and McIntosh, assignors.)
- Hartford-Empire Company. (See Wardley, Thomas, assignor.)
- Hartford-Empire Company. (See Willetts, Paul G., assignor.)
- Hartford Faience Company. (See Thomas, Noah T., assignor.)
- Hartford, Frank M. (See Cuyler, R. F., and Hartford.)
- Hartford, Frank M. (See Kier, S. M., and Hartford.)
- Hartford, Frank M., and G. D. Brush, assignors to Harrop Ceramic Service Company, Columbus, Ohio. Tunnel kiln. 1,965,832; July 10.
- Hartford Machine Screw Company. (See Goslee, Earl S., assignor.)
- Hartford Products Corporation. (See Wolcott, Frank E., assignor.)
- Hartford Steam Boiler Inspection and Insurance Company, The. (See Morrison, Jared P., assignor.)
- Hartig, Walter. (See Hoffman, W. G., and Hartig.)
- Hartill, George, sr., Gary, Ind. Hot mill catcher. 1,945,896; Feb. 6.
- Harting, Walter, New York, N. Y. Universal folding ladder. 1,942,210; Jan. 2.
- Hartl, Hans, Berlin, Germany. Insole. 1,966,719; July 17.
- Hartley, Albert, Bristol, R. I., assignor to Collins & Aikman Corporation, New York, N. Y. Slub yarn producing attachment for spinning frames. 1,981,546; Nov. 20.
- Hartley, Arthur J., Peoria, Ill. Grain pick-up mechanism. 1,946,692; Feb. 13.
- Hartley, Arthur J., Peoria, Ill. Combined harvesting, threshing, and grain measuring device. 1,954,479; Apr. 10.
- Hartley, Charles P., Washington, D. C., dedicated to the free use of the public. Wheel. 1,947,261; Feb. 13.
- Hartley, Cyril J. (See Hartley, Joseph A. and C. J.)
- Hartley, Emmett C. (See Allen, W. R., and Hartley.)
- Hartley, Emmett C., Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,952,918; Mar. 27.
- Hartley, Emmett C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Bill printing machine. 1,955,806; Apr. 24.
- Hartley, Emmett C., Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del. Ink ribbon feeding and reversing mechanism. 1,980,723; Nov. 13.
- Hartley, Emmett C., Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,980,724; Nov. 13.
- Hartley, Emmett C., Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,980,725; Nov. 13.
- Hartley, Joseph A., Stone, and C. J. Hartley, Stoke-on-Trent, England. Rectangular sewage distributor. 1,953,223; Apr. 3.
- Hartley, Lee R. (See Renfrew, P. B., and Hartley.)
- Hartley, Orland A., Tampa, Fla. Fuel feeder. 1,959,864; May 22.
- Hartley, Walter, Oil City, assignor to Oil Well Supply Company, Pittsburgh, Pa. Automatic cathed. 1,971,715; Aug. 28.
- Hartley, William R., New Haven, Conn. Apparatus for discharging and loading burnishing barrels. 1,965,077; July 3.
- Hartman, Adolph J., Media, Pa. Rail anticreep. 1,976,069; Oct. 9.
- Hartman, Carl E., Denver, Colo. Tool guide for dentists' contra-angles. 1,943,668; Jan. 16.
- Hartman, Carl W., Lyngby, near Copenhagen, Denmark. Automatic measuring and weighing device. 1,981,697; Nov. 20.
- Hartman, Charles M. (See Pellkofer, Ernest, assignor.)
- Hartman, Emil A. (See Baldwin, Edward E., assignor.)
- Hartman, Frank E., assignor of one-third to F. H. Montgomery and one-third to W. R. Montgomery, Chicago, Ill. Purification of air. 1,965,187; July 3.
- Hartman, Frank E., assignor to Biological Engineering Laboratories, Chicago, Ill. Display means and method. 1,968,037; July 31.
- Hartman, George H., assignor to The Aro Equipment Corporation, Bryan, Ohio. Grease pumping mechanism. 1,943,603; Jan. 16.
- Hartman, George H., assignor to The Aro Equipment Corporation, Bryan, Ohio. Grease delivery device. 1,943,604; Jan. 16.
- Hartman, George H., assignor to The Aro Equipment Corporation, Bryan, Ohio. Greasing apparatus. 1,943,605; Jan. 16.

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- Harvey, Edward W., Highland Park, N. J., assignor to The Barrett Company, New York, N. Y. Process and apparatus for dispensing measured charges of liquefied gas. 1,981,729; Nov. 20.
- Harvey, Eric M., Greensboro, and J. A. Boren, Pomona, N. C. Refractory brick and making same. 1,973,434; Sept. 11.
- Harvey, Frank, Covington, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric cut-out. 1,946,071; Feb. 6.
- Harvey, Harry D., Westville, N. J. Double bucket dredge. 1,968,684; July 31.
- Harvey, Henry R. (See Gary, L. A., and Harvey.)
- Harvey, James H., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,966,245; July 10.
- Harvey, John A., assignor to Fairmount Glass Works, Inc., Indianapolis, Ind. Glass bottle. Des. 92,173; May 8.
- Harvey, John C., et al. (See Worsdall, Horace, assignor.)
- Harvey, John W. (See Ramey, E. E., and Harvey.)
- Harvey, Jonas H., Los Angeles, Calif. Sound recording and reproducing apparatus for use in connection with motion pictures. 1,955,497; Apr. 17.
- Harvey, Leo M. (See Thompson, Robert H., assignor.)
- Harvey, Leo M., Los Angeles, Calif. Fruit clipper. 1,957,589; May 8.
- Harvey, Mary E. (See Bean, George R., assignor.)
- Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Composition of matter and method and steps of making and using the same. 1,950,085; Mar. 6.
- Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Composition of matter and method and steps of making and using the same. 1,952,313; Mar. 27.
- Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Compositions of matter and methods and steps of making the same. 1,977,826; Oct. 23.
- Harvey, Norman D., Jr., Providence, R. I., assignor to Carbide and Carbon Chemicals Corporation. Unhairing bath and treating hides. 1,976,881; Oct. 16.
- Harvey, Norman D., Jr., Providence, R. I., assignor to Carbide and Carbon Chemicals Corporation. Cosmetic preparation. 1,979,385; Nov. 6.
- Harvey, Paul D., Chicago, Ill. Reverse gear unit. 1,947,847; Feb. 20.
- Harvey, Percy R. (See Harvey, William H. and P. R.)
- Harvey, Raymond. (See Outerbridge, F. R., and Harvey.)
- Harvey, Raymond. (See Reynolds, W. E., and Harvey.)
- Harvey, Raymond, New York, N. Y. Textile fabric or similar article of manufacture. Des. 93,922; Nov. 27.
- Harvey, Raymond, New York, N. Y. Textile fabric or similar article of manufacture. Des. 94,026; Dec. 11.
- Harvey, Raymond, New York, N. Y. Textile fabric or similar article of manufacture. Des. 94,027; Dec. 11.
- Harvey, Roger A., Binghamton, N. Y. Burglarproof door for banks. 1,982,301; Nov. 27.
- Harvey, William H. and P. R., Wellington, New Zealand. Machine for use in the bending of edges of metal sheets into bead form. 1,963,900; June 19.
- Harwood, Clark, Auburndale, Mass. Automobile bumper shield. 1,944,933; Jan. 30.
- Harwood, Paisley B., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control system. 1,981,547; Nov. 20.
- Harwood, Paisley B., Milwaukee, and J. T. Kennedy, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control system. 1,964,944; July 3.
- Harwood, Paisley B., and N. L. Mortensen, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for motor driven apparatus. 1,978,082; Oct. 23.
- Harz, Albert W., Tampa, Fla. Cutting implement. 1,969,129; Aug. 7.
- Hasbrouck, Harold J., Brooklyn, and R. H. Dreisbach, Flushing, assignors to United Research Corporation, Long Island City, N. Y. Sound system. 1,952,167; Mar. 27.
- Hasbrouck, Louis B. (See Garey, J. P., and Hasbrouck.)
- Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Bobbin support. 1,949,935; Mar. 6.
- Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Dyeing loose textile materials. 1,977,338; Oct. 16.
- Hasbrouck, Stephen A., New Haven, assignor to The Pratt & Whitney Aircraft Company, Hartford, Conn. Inlet manifold for liquid fuel. 1,966,032; July 10.
- Hascall, Charles S., Baldwin, N. Y. Wrench. 1,985,371; Dec. 25.
- Hasche, Rudolph L., Tacoma, Wash., assignor to Carbonic Development Corporation. Manufacture of solid dioxide. 1,971,106; Aug. 21.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,950,609; Mar. 13.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Clutch operating mechanism. 1,951,479; Mar. 20.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Combined door actuating and locking device. 1,956,679; May 1.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Pivotal coupler connection. 1,957,643; May 8.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Pivotal coupler. 1,957,644; May 8.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,959,582; May 22.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler and yoke connection for railway draft riggings. 1,961,353; June 5.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Pivotal yoke and coupler connection. 1,961,354; June 5.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffer gear. 1,966,625; July 17.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,968,942; Aug. 7.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,971,407; Aug. 28.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler connection for railway draft riggings. 1,976,018; Oct. 9.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 1,976,937; Oct. 16.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,978,530; Oct. 30.
- Haselton, Merton L., assignor to The Teleregister Corporation, New York, N. Y. Electrical signaling. 1,946,531; Feb. 13.
- Haselton, Merton L., New York, N. Y., and P. S. Haselton, Montclair, N. J., assignors to The Teleregister Corporation, New York, N. Y. Electrical signaling and indicating means. 1,969,369; Aug. 7.
- Haselton, Page S. (See Owens, Percy R., assignor.)
- Haseman, John D., Linton, Ind. Revivifying filtering materials. 1,956,025; Apr. 24.
- Hasenberg, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Luminous amplifier control. 1,965,188; July 3.
- Hasenbrook, William. (See Alpers, C. F., and Hasenbrook.)
- Hasenour, Elenor C., Washington, D. C. Tray. 1,972,519; Sept. 4.
- Haserodt, Grant H., Edison, Ohio. Molding machine. 1,943,477; Jan. 16.
- Haskelite Manufacturing Corporation. (See Meyer cord, George R., assignor.)
- Haskelite Manufacturing Corporation. (See Rozema, Charles E., assignor.)
- Haskell, Howze, assignor to James River Paper Products, Inc., Richmond, Va. Sealed bag. 1,933,291; Dec. 4.
- Haskell, John D., Fulton, and G. P. Prather, Adams Center, assignors to Dilts Machine Works, Inc., Fulton, N. Y. Refining engine. 1,985,569; Dec. 25.
- Haskell, Orin S., Scotia, N. Y., assignor to General Electric Company, Furrace. 1,976,557; Oct. 9.
- Haskell, Willis G., jr., Cedar Rapids, Iowa. Gas burner. 1,952,919; Mar. 27.
- Haskett, Thomas H., Anaheim, Calif. Invalid handler. 1,977,944; Oct. 23.
- Haskin, Walter E., Flushing, assignor to Pressed & Welded Steel Products Company, Inc., New York, N. Y. Loose leaf shift binder. 1,976,666; Oct. 9.
- Haskins, Butler J., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Motor analyzer. 1,950,052; Mar. 6.
- Haskins, Butler J., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Distributor tester. 1,966,066; July 10.
- Haskins, Charles S., Uhrichsville, Ohio. Weeding tool. 1,951,978; Mar. 20.
- Haskins, Joseph E., Kenmore, and F. Schulze, Buffalo, assignors to Du Pont Rayon Company, New York, N. Y. Preparing cellulose esters. 1,967,405; July 24.
- Haslacher, Alfred B., San Francisco, Calif. Refrigeration mechanism. 1,947,082; Feb. 13.
- Haslacher, Alfred B., San Francisco, Calif. Container. 1,947,083; Feb. 13.
- Haslam, Robert T., Westfield, N. J., assignor to Standard I. G. Company. Simultaneously producing high-grade motor fuels and lubricants from heavy hydrocarbons by the action of hydrogen. 1,944,236; Jan. 23.
- Haslam, Robert T., Westfield, N. J., assignor to Standard Oil Development Company. Hydrogen production with particular reference to the hydrogenation of oils. 1,955,290; Apr. 17.
- Haslam, Robert T., Westfield, N. J., assignor to Standard Oil Development Company. Production of low-boiling hydrocarbons by action of water. 1,956,573; May 1.
- Haslam, Robert T., Westfield, N. J., assignor to Standard I. G. Company. Refining hydrocarbon oils. 1,966,624; July 17.
- Hasler A.-G. Vormalen Telegraphenwerkstatt von G. Hasler. (See Ochsenbein, Walter, assignor.)
- Haslett, Daisy, et al. (See Young, K. G., and Veit, assignors.)
- Hasley, William G., Pittsburgh, Pa. Vehicle advertising sign. 1,948,578; Feb. 27.
- Hass, Henry B., and E. B. Hodge, West Lafayette, Ind., and B. M. Vanderbilt, Chicago Heights, Ill., assignors to Purdue Research Foundation, West Lafayette, Ind. Nitrating paraffin hydrocarbons and product thereof. 1,967,667; July 24.
- Hass, Henry B., and P. E. Weston, assignors to Purdue Research Foundation, West Lafayette, Ind. Producing olefine hydrocarbons and derivatives thereof. 1,975,456; Oct. 2.
- Hasse, Charles, and G. Woolley, Toms River, N. J. Self-sealing paste tube. 1,948,070; Feb. 20.

- Hassel, Franz, Chemnitz, assignor of one-half to Maller & Franke A.-G., Limbach, near Chemnitz, Germany. Removable heel tap. 1,972,223; Sept. 4.
- Hassel, Franz, Chemnitz, assignor of one-half to Muller & Franke A. G., Limbach, I. Sa., Germany. Exchangeable heel tap. 1,980,271; Nov. 13.
- Hasselbach, Alexander, assignor to G. Polysius, Aktiengesellschaft, Dessau, Germany. Apparatus for treating cement slurry and the like. 1,957,138; May 1.
- Hasselberg, Linus J. R., Krappereup, Sweden. Apparatus for cooling and aerating milk. 1,984,581; Dec. 18.
- Hassell, Cecil S., Miami, Fla. Egg candling machine. 1,953,404; Apr. 3.
- Hassell, Cecil S., Miami, Fla. Candling egg carton. 1,961,293; June 5.
- Hassell, Cecil S., Miami, Fla. Candling egg carton. 1,961,294; June 5.
- Hasselquist, Hugo S., assignor to A. O. Smith Corporation, New York, N. Y. Apparatus for dishing and perforating sheet metal. 1,959,101; May 15.
- Hassett, Ashley P., Fond du Lac, Wis. Tire-changing stand. 1,975,148; Oct. 2.
- Hassinger, Louis. (See Trageser, A. H., and Hassinger.)
- Hassler, Ernest C., Connersville, Ind. Hydraulic coupling. 1,954,292; Apr. 10.
- Hassman, Fred A. (See Nenninger, L. F., and Hassman.)
- Hassold, Victor C., Chestnut Hill, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Stop motion for looms. 1,980,940; Nov. 13.
- Hastings, Don T., Detroit, Mich., and G. F. Knowles, Toronto, Ontario, Canada, assignors to Twin-Flex Corporation, Detroit, Mich. Vehicle construction. 1,975,208; Oct. 2.
- Hastings, Herbert, Brighton, N. Y. Thermometer. 1,945,400; Jan. 30.
- Hastings, Herbert, Brighton, N. Y. Temperature indicating system. 1,950,141; Mar. 6.
- Hastings, Herbert, Brighton, assignor to Rochester Manufacturing Co., Inc., Rochester, N. Y. Registering instrument casing. Des. 93,656; Oct. 23.
- Hastings, Herbert, Brighton, and L. I. Hall, Rochester; said Hall assignor to Rochester Manufacturing Co., Inc., Brighton, N. Y. Gauge. 1,950,142; Mar. 6.
- Hastings Manufacturing Company. (See Westerlind, A. B., and Jacobson, assignors.)
- Hastings, Odle L., Houston, Tex. Valve mechanism. 1,944,979; Jan. 30.
- Hastings, William E., Jetmore, Kans. Elevator. 1,943,761; Jan. 16.
- Haswell, Arthur B., Birmingham, Ala. Flying cutter. 1,944,710; Jan. 23.
- Haswell, Arthur B., Birmingham, Ala. Method of rolling. 1,971,005; Aug. 21.
- Haswell, Arthur B., Birmingham, and F. G. Cutler, Ensley, Ala. Apparatus for sintering and fusing finely divided material. 1,964,915; July 3.
- Haswell, Arthur B., Birmingham, Ala. Cotton tie buckle. 1,980,620; Nov. 13.
- Hat Corporation of America. (See Cavanagh, John.)
- Hat Corporation of America. (See Martz, George W., assignor.)
- Hat Corporation of America. (See O'Brien, Joseph L., assignor.)
- Hat Corporation of America. (See Stack, F. T., and Smith, assignors.)
- Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric apparatus. 1,951,149; Mar. 13.
- Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Time element electroresponsive device. 1,964,574; June 26.
- Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric switch. 1,971,934; Aug. 28.
- Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Mercury switch. 1,984,478; Dec. 18.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Rack for refrigerators, ovens, and the like. 1,946,532; Feb. 13.
- Hatch, F. Clive. (See Braun, Harry L., assignor.)
- Hatch, F. Clive. (See Whittenberg, Charles E., assignor.)
- Hatch, Mellen C. M., Boston, Mass., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,955,291; Apr. 17.
- Hatch, Mellen C. M., Boston, Mass., assignor to The Standard Stoker Company, Incorporated. Pulverized fuel burner. 1,961,043; May 29.
- Hatch, Meredith R., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Gibbing and tying means for press frames. 1,959,865; May 22.
- Hatch, Raymond S. (See Wolf, R. B., Hatch, and Hill.)
- Hatch, Raymond S., Longview, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Treating chemical pulp. 1,951,017; Mar. 13.
- Hatch, Raymond S., East Orange, N. J., assignor to International Bleaching Corporation, New York, N. Y. Bleaching paper pulp. 1,982,002; Nov. 27.
- Hatch, Robert O., Ogden, Utah. Beet toppler. 1,978,133; Oct. 23.
- Hatch, Theodore F., Cambridge, Mass., assignor, by mesne assignments, to Kadco Corporation, New York, N. Y. Dust removal device. 1,981,356; Nov. 20.
- Hatcher, Glenn, assignor of one-half to Guaranty Produce Company, Tulsa, Okla. Egg separating apparatus. 1,942,245; Jan. 2.
- Hatcher, James L., U. S. Army, Winchester, Va. Reversible feed mechanism for machine guns. 1,956,574; May 1.
- Hatfield, Charles N., Fountain City, Ind. Grain cleaning machinery. 1,985,167; Dec. 18.
- Hatfield, Floyd H., Rawlins, Wyo. Folding table. 1,965,700; July 10.
- Hatfield, Robert L. (See Standifer, T. V., and Hatfield.)
- Hatfield, William H., assignor to Thos. Firth and Sons Limited, Sheffield, England. Rendering metals or alloys noncorrodible. 1,961,635; June 5.
- Hathaway, Chester S., assignor to L. F. Harding, Middleboro, Mass. Coating compositions. 1,956,442; Apr. 24.
- Hathaway, Claude M., Schenectady, N. Y., assignor to General Electric Company. Oscillographic apparatus. 1,942,059; Jan. 2.
- Hathaway, Edgar F., Wellesley, and W. Bixby, Boston, Mass. Sectional spool for tube frames and the like. 1,980,586; Nov. 13.
- Hatherell, George A., Burbank, assignor to F. A. Garbutt, Los Angeles, Calif. Making a chewing gum base. 1,977,059; Oct. 16.
- Hatherell, George A., R. and T. M. Ingman, and F. E. Garbutt, Hollywood, assignors, by mesne assignments, to Paramount Public Corporation, Los Angeles, Calif. System of photographic printing. 1,947,848; Feb. 20.
- Hatheway, William E. (See Olmstead, Wilbur E., assignor.)
- Hatheway, William E., Bridgeport, Conn. Hose supporter. 1,951,609; Mar. 20.
- Hathorn, Charles E., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Combined exhaust manifold and muffler. 1,947,987; Feb. 20.
- Hathorn, Charles E., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Frame for access opening for use in aircraft construction. 1,961,584; June 5.
- Hathorn, Charles E., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company. Sealing means for control rods. 1,983,368; Dec. 4.
- Hathorn, Elmer F., assignor to Highway Trailer Company, Edgerton, Wis. Operating means for locking jaws. 1,982,914; Dec. 4.
- Hattmann, Carl W., Lyngby by Copenhagen, Denmark. Opening and closing means for carton boxes. 1,943,796; Jan. 16.
- Hatton, William. (See Deakin, G., and Hatton.)
- Hatzig, Hans. (See Müller, R., Hatzig, and Rabold.)
- Haub, George R., Crafton, assignor to Shawkee Manufacturing Company, Pittsburgh, Pa. Severing mechanism for glass feeders. 1,959,672; May 22.
- Haubold, C. G., A.-G. (See Tandell, Karl F., assignor.)
- Haubold, Werner R. (See Neumann, F. J. G., and Haubold.)
- Haubrich, Alexander M., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Signaling system. 1,955,234; Apr. 17.
- Haubroe, Werner C. L., Copenhagen, Denmark. Sight device for machine guns. 1,962,590; June 12.
- Haubroe, Werner C. L., Copenhagen, Denmark. Trigger operating mechanism for aircraft guns. 1,962,591; June 12.
- Haubroe, Werner C. L., Copenhagen, Denmark. Unit support for field guns and antiaircraft guns and the like. 1,974,459; Sept. 25.
- Hauk, Harry J., and S. T. Goss, assignors to The Goss & De Leeuw Machine Company, New Britain, Conn. Automatic chucking machine. 1,977,964; Oct. 23.
- Hauk, Herbert, Bronxville, N. Y. Pill dispenser. 1,974,332; Sept. 18.
- Hauk Manufacturing Company. (See Elze, Walter C., assignor.)
- Hauk Manufacturing Company. (See Hoffmann, Otto U., assignor.)
- Hauk, Otto, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Rod or wire structure fabricating machine. 1,984,742; Dec. 18.
- Haudenschild, Harry. (See Morley, Earl M., assignor.)
- Hauff, Alf, Colby, Wash. Releasable door fastener. 1,951,907; Mar. 20.
- Haug, Anton J., Nashua, N. H. Pulp screening machine. 1,974,651; Sept. 25.
- Haug, Charles F., Brooklyn, N. Y. Package. 1,949,161; Feb. 27.
- Haug, Richard J., Nashua, N. H. Viscosity indicating device. 1,972,736; Sept. 4.
- Haug, Thaddeus L. B., Berkeley, Calif. Lock bolt. 1,960,244; May 29.
- Haugen, Edward, assignor to Coeur d'Alene Hardware & Foundry Company, Wallace, Idaho. Tilting mechanism for dump cars. 1,957,588; May 8.
- Haugg, Stefan, Remsbart, near Gunzburg, Germany. Necktie holder. 1,962,015; June 5.
- Haughton Elevator & Machine Company, The. (See Thurston, Ernest B., assignor.)
- Haugland, Erling. (See Ulfeng, A. E., Haugland, and Firing.)
- Hauke, Gilbert F., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,961,929; June 5.
- Haukedahl, Arthur O., Mason City, Iowa. Picture hanger. 1,945,897; Feb. 6.
- Hauldren, Walter, Whitmans, W. Va. Mowing machine. 1,961,217; June 5.

- Hausman, Earl L., St. Catharines, Ontario, Canada, assignor to The Exolon Company, Bladell, N. Y. Euhedral corundum crystal. 1,966,406; July 10.
- Hausman, Earl L., St. Catharines, Ontario, Canada, assignor to The Exolon Company, Bladell, N. Y. Corundum product and producing the same. 1,966,407; July 10.
- Hausman, Earl L., St. Catharines, Ontario, Canada, assignor to The Exolon Company, Bladell, N. Y. Bonded article and bonding the same. 1,966,408; July 10.
- Hauz, Charles F., Buffalo, N. Y., assignor to Henry Vogt Machine Co., Louisville, Ky. Compressor. 1,974,421; Sept. 25.
- Haupt, Walter H., Ludlow, Ky., assignor to Augustine Davis, Jr., Cincinnati, Ohio. Nozzle control of dispensers. 1,981,357; Nov. 20.
- Hauptli, Herbert A., assignor to Sears, Roebuck & Co., Chicago, Ill. Merchandise display rack. 1,962,503; June 12.
- Hauptli, Herbert A., assignor to Sears, Roebuck & Co., Chicago, Ill. Merchandise display rack. 1,962,504; June 12.
- Hauptman, Philip, Chicago, Ill. Windshield cleaning device. 1,972,299; Sept. 4.
- Hauptmeyer, Friedrich, Essen-Bredeney, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Dental plate. 1,968,765; July 31.
- Haur, George W., Chicago, Ill. Packing ferrules for friction couplings. 1,978,047; Oct. 23.
- Haur, Norman F., assignor to The Ledyard-Haur Company, Elyria, Ohio. Battery filling bottle. 1,962,816; June 12.
- Haur, Norman F., assignor to The Ledyard-Haur Company, Elyria, Ohio. Battery filling bottle. 1,962,817; June 12.
- Hausch, Theodor. (See Frohlich, H., Hausch, and Zingg.)
- Hausdörfer, Emil. (See Wolfram, A., Schörnig, and Hausdörfer.)
- Hausdörfer, Emil. (See Wolfram, A., and Hausdörfer.)
- Hausemann, George J., Bloomfield, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,958,665; May 15.
- Hauser & Co. G. m. b. H. (See Ostermeier, Johann B., assignor.)
- Hauser, Dwight A., and G. W. Reels, assignors of one-fourth to H. E. O'Neal and one-fourth to H. S. Lucas, Portland, Oreg. Cigarette construction. 1,957,958; May 8.
- Hauser, Ernst A., Wimpassing I. Schwte, Austria, assignor to Kaysam Syndicate Limited, London, England. Composite porous and micro-porous articles. 1,982,885; Nov. 27.
- Hauser, Friedrich, and M. Hübschmann, Jena, and G. Schmaltz, Offenbach, assignors to the firm Carl Zeiss, Jena, Germany. Microscope for examining the profiles of surfaces. 1,973,066; Sept. 11.
- Hauser, Hermann, Basel, and M. Bommer, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone derivatives. 1,974,866; Sept. 25.
- Hauser, Samuel M., Jackson Heights, N. Y. Rod handle block for fishermen. Des. 93,164; Aug. 28.
- Hauser, Thomas E., Bowling Green, and P. F. Reichert deceased; A. R. Burgie, Toledo, Ohio, administratrix, assignor to said Hauser. Toilet accessory. 1,979,542; Nov. 6.
- Hauserman E. F., Company, The. (See Balch, T. V., and Bohnsack, assignors.)
- Hauserman, E. F., Company, The. (See Balch, Thomas V., assignor.)
- Hauserman, E. F., Company, The. (See Bender, P. F., and Waite, assignors.)
- Hauserman, E. F., Company, The. (See Bohnsack, J. A., and Balch, assignors.)
- Hauserman, E. F., Company, The. (See Bohnsack, J. A., and Heller, assignors.)
- Hauserman, E. F., Company, The. (See Hauserman, E. F., Mowery, and Bohnsack, assignors.)
- Hauserman, E. F., Company, The. (See Kramer, Fred M., assignor.)
- Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, East Cleveland, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic wall structure. 1,946,210; Feb. 6.
- Haushalter, Fred L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making a flexible connection. 1,958,141; May 8.
- Haushalter, Fred L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pipe coupling and gasket therefor. 1,978,019; Oct. 23.
- Hauskins, Alvis J., Pasadena, Calif., assignor to I. R. Hill. Container and dispenser for canned liquids. 1,961,585; June 5.
- Hausler, Fred G., assignor to The Cleveland Co-Operative Stove Company, Cleveland, Ohio. Apparatus for controlling burners for fluid fuel. 1,958,240; May 8.
- Hausler, Fred G., assignor to The Cleveland Co-Operative Stove Company, Cleveland, Ohio. Adjustable lighter and cut-off for burners. 1,958,241; May 8.
- Hausler, Fred G., and G. Herbst, assignors to Cleveland Co-Operative Stove Company, Cleveland, Ohio. Safety cut-off device for burners. 1,958,242; May 8.
- Hausman, Walter J., Westfield, N. J., assignor, by mesne assignments, to R. C. Coxhead Corporation, New York, N. Y. Card feeding means. 1,951,755; Mar. 20.
- Hausmeister, Paul, assignor to Firma Vlessing & Co., The Hague, Netherlands. Protecting conduits for explosive gas mixtures. 1,962,074; June 5.
- Hause, Richard H. (See Marty, M. J., and Hause.)
- Hüssler, Ernst P., Riehen, near Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. Y. Manufacture of oestrous hormone. 1,969,608; Aug. 7.
- Hausmann, Otto G., Philadelphia, Pa. Ophthalmic lens. 1,942,333; Jan. 2.
- Hausmann, Otto G., Philadelphia, Pa. Workholder for lens blanks. 1,969,219; Aug. 7.
- Hauton, Paul S., Atlanta, Ga. Mechanical pencil. Des. 92,905; July 31.
- Hauton, Paul S., Atlanta, Ga. Attachment for writing instruments. 1,971,681; Aug. 28.
- Haux, Elmer H., Tarentum, Pa., assignor to Duplate Corporation. Grooving laminated glass. 1,966,817; July 17.
- Haux, Elmer H., Tarentum, Pa., assignor to Duplate Corporation. Calking laminated glass. 1,970,748; Aug. 21.
- Haven, Edward G., Scotia, assignor to General Electric Company. Combined electrical indicating instrument and selector switch. 1,981,548; Nov. 20.
- Haven, Harry, Baltimore, Md. Mixing apparatus and control valve for use therein. 1,985,570; Dec. 25.
- Haven, Louis. (See Foss, Edmund, assignor.)
- Haven, Louis, Seattle, Wash. Collar construction. 1,969,928; Aug. 14.
- Haven, Thelma E., Granite City, Ill. Article rack. 1,951,408; Mar. 20.
- Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Holder and carrier for riveting machines. 1,949,388; Feb. 27.
- Havener, Vernon, and M. C. Phillips, Los Angeles, assignor of one-third to R. H. Gilman, sr., Redondo Beach, Calif. Electric circuit closer. 1,951,409; Mar. 20.
- Havens, Neil F., Glens Falls, N. Y. Hydraulic crowding device. 1,960,379; May 29.
- Haverbeck, Edgar, Goppingen, Germany. Sheet-metal press. 1,966,758; July 17.
- Haverkort, Hendrik, Velen in Westphalia, assignor to Hesper Torfwerk Gesellschaft mit beschränkter Haftung, Meppen, Germany. Machine for cutting, raising, conveying, and depositing peat sods. 1,954,933; Apr. 17.
- Haverson, Harold W., et al. (See Le Cour, Albert E. and E., assignors.)
- Havey, Charles F., Philadelphia, Pa. Guard for yarn guides of winding machines. 1,966,500; July 17.
- Haviland, Daniel, Sawtelle, Calif. Dual adjustable lock. 1,948,174; Feb. 20.
- Haviland, John A., Fostoria, Ohio. Door fastener. 1,947,773; Feb. 20.
- Haviland, John R., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control device. 1,950,143; Mar. 6.
- Havill, Clinton H. (See Mock, F. C., and Havill.)
- Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 1,949,203; Feb. 27.
- Havill, Clinton H., South Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,952,066; Mar. 27.
- Havill, Clinton H., South Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,952,799; Mar. 27.
- Havill, Clinton H., South Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Automatic propeller. 1,952,800; Mar. 27.
- Havill, Clinton H., South Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,952,801; Mar. 27.
- Havill, Clinton H., South Orange, assignor to Bendix Research Corporation, East Orange, N. J. Propeller. 1,952,802; Mar. 27.
- Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,971,006; Aug. 21.
- Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,982,162; Nov. 27.
- Havill, Clinton H., Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,952,798; Mar. 27.
- Havill, Clinton H., South Orange, and M. Mansson, assignors to Eclipse Aviation Corporation, East Orange, N. J. Propeller. 1,980,272; Nov. 13.
- Havins, John L. (See Martin, A. J., Fleming, and Havins.)
- Hayden, Harold P., Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Producing concrete structures. 1,985,092; Dec. 18.
- Hawadler, Jacques A. M., Paris, France, assignor, by mesne assignments, to Old Colony Trust Company. Valve for wireless telegraphy or telephony. 1,967,207; July 17.
- Haward, Ernest W., Camberwell, and A. T. Hopkins, Orpington, Kent, assignors to Haward Gravure Machine Company, Limited, London, England. Printing cylinder. 1,966,858; July 17.
- Hawe, John E. (See Guertin, Frank, assignor.)
- Hawe, John E., St. Paul, Minn., and L. G. Plant, assignors to Railway Engineering Equipment Company, Chicago, Ill. Heat conserving system for locomotive terminals. 1,950,610; Mar. 13.

- Hawerlander, Adolph, New York, assignor to Joe Lowe Corporation, Brooklyn, N. Y. Doughnut machine. 1,962,714; June 12.
- Hawes, Austin W., and A. White, assignors to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Fluid actuated clamp. 1,961,044; May 29.
- Hawes, Charlie L., Ashtabula, Ohio. Grinding and polishing machine. 1,950,030; Mar. 6.
- Hawes, George E., assignor to The La Resista Corset Company, Bridgeport, Conn. Corset and the like. Re19,264; Aug. 7.
- Hawes, Herbert E., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Seaming machine. 1,953,650; Apr. 3.
- Hawes, Richard K., et al. (See Warner, E. T., and Ousdahl, assignors.)
- Hawes, Richard K., et al, trustees. (See Edlison, William B., assignor.)
- Hawes, Richard K., et al, trustees. (See Wetmore, Bert D., assignor.)
- Hawk, Walter D., and R. S. Carter, Los Angeles, Calif.; said Carter assignor to said Hawk. Advertising exhibitor. 1,973,982; Sept. 18.
- Hawk, Watson L., Long Beach, Calif. Weight indicating device for well drilling apparatus. 1,949,908; Mar. 6.
- Hawk, Watson L., Long Beach, Calif. Combined weighing device and automatic drill control. 1,954,670; Apr. 10.
- Hawke, E. R. (See Morgensen, Otto, Jr., assignor.)
- Hawkes, Albert W., Montclair, and R. D. Bonney, Glen Ridge, N. J., assignors to Congoleum-Nairn Inc. Floor surfacing structure. 1,970,503; Aug. 14.
- Hawkins, Bert H., Royal Oak, assignor to McCord Radiator & Manufacturing Company, Detroit, Mich. Safety device for punch presses. 1,957,835; May 8.
- Hawkins, Bert H., Royal Oak, assignor to McCord Radiator & Manufacturing Company, Detroit, Mich. Valve device. 1,965,237; July 3.
- Hawkins, Edgar M., assignor to M. D. Knowlton Company, Rochester, N. Y. Slitting and creasing mechanism. 1,959,424; May 22.
- Hawkins, Edmund F., Evansville, Ind. Water cooler. 1,981,730; Nov. 20.
- Hawkins, Frederick P., Kokomo, Ind., assignor to Haynes Stellite Company. Hard facing. 1,977,128; Oct. 16.
- Hawkins, Luty, Mount Vernon, Ill. Brooder. 1,974,867; Sept. 25.
- Hawkins, Wilford J., Claiborne, Md., assignor to American Machine & Foundry Company. Electric tobacco feed. 1,977,991; Oct. 23.
- Hawkinson, Adolph H., assignor to Greenlee Bros. & Co., Rockford, Ill. Boring tool. 1,962,241; June 12.
- Hawkinson, Harry T., Ashland, Nebr. Brake equalizing device. 1,975,272; Oct. 2.
- Hawkinson, Henry R. (See Ruckman, C., and Hawkinson.)
- Hawley, Burt F., Conklin, assignor of fifty-one per cent to W. H. Hill, Johnson City, N. Y. Jack. 1,974,491; Sept. 25.
- Hawley, Charles G., Chicago, Ill. Tensional system of purification. 1,955,064; Apr. 17.
- Hawley, Charles G., Chicago, Ill. Disposal of sewage and the like. 1,955,065; Apr. 17.
- Hawley, Charles G., Chicago, Ill. Fuel burner. 1,969,371; Aug. 7.
- Hawley, Charles G., Chicago, Ill. Burner of the horizontal type. 1,977,478; Oct. 16.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Deaerating and deoiling machine. 1,963,200; June 19.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Steam conditioner for locomotives and the like. 1,969,370; Aug. 7.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Apparatus for the treatment of gases. 1,980,522; Nov. 13.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Separator. 1,981,549; Nov. 20.
- Hawley, Cornell S., Albany, and R. J. Parsons, Schenectady, assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric heater. 1,975,321; Oct. 2.
- Hawley, Edgar F., Pueblo, Colo. Floor oiler and waxer. 1,943,606; Jan. 16.
- Hawley, George E., et al. (See Reagan, Edgar U. G., assignor.)
- Hawley, George W., Colorado Springs, Colo., assignor to Scanlan-Morris Company, Madison, Wis. Traction stirrup. 1,971,183; Aug. 21.
- Hawley, Jesse B., Geneva, Ill. Fibrous article and making the same. 1,952,168; Mar. 27.
- Hawley, Jesse B., Geneva, Ill. Fibrous sound producing means and producing the same. 1,952,169; Mar. 27.
- Hawley, Jesse B., Geneva, Ill. Making sound producing articles. 1,984,018; Dec. 11.
- Hawley, Jesse B., Geneva, Ill. Fibrous sound reproducing diaphragmatic members and making the same. 1,934,019; Dec. 11.
- Hawley, Jesse G., Painted Post, assignor to Hawley-Jones Corporation, Riverside, N. Y. Shock absorber. 1,954,814; Apr. 17.
- Hawley, Jesse G., Painted Post, assignor to Hawley-Jones Corporation, Riverside, N. Y. Shock absorber. 1,973,706; Sept. 18.
- Hawley, John B., Jr., assignor to W. A. and F. C. Hubbard, doing business as "Nitroil", Minneapolis, Minn. Nozzle for oil burners. 1,970,138; Aug. 14.
- Hawley, John F. (See Donnelley, R. B., and Hawley.)
- Hawley, John F., Oak Park, assignor to Central Waxed Paper Co., Chicago, Ill. Apparatus for producing perforated paper. 1,942,168; Jan. 2.
- Hawley, John F., Oak Park, assignor to Central Waxed Paper Company, Chicago, Ill. Producing perforated paper. 1,965,893; July 10.
- Hawley-Jones Corporation. (See Hawley, Jesse G., assignor.)
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. High tension insulator. 1,958,485; May 15.
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Applying a conducting coating on insulators. 1,975,576; Oct. 2.
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Protective apparatus for double string installations. 1,983,903; Dec. 11.
- Hawley, Oscar J., Milwaukee, Wis. Vending machine. 1,958,270; May 8.
- Hawley, Peter R. (See Jones, W. F., and Hawley.)
- Hawthorne, Louis A. (See Zimmer, R. M., and Hawthorne.)
- Haxton, Andrew, Tappan, N. Y. Machine thread miller. 1,981,550; Nov. 20.
- Hay, David C., and L. H. Mattes, South Bend, Ind. Truck wheel construction. 1,985,540; Dec. 25.
- Hay, Donald L., Washington, D. C. Phasing of isochronous mechanisms. 1,963,087; June 19.
- Hay, John E., Fulham, London, England. Shirt. 1,946,401; Feb. 6.
- Hay, Percy D., assignor to Coastal Contracting Co., Inc., Charleston, S. C. Apparatus for forming a covering or sleeve of plastic material upon a wooden pile. 1,947,413; Feb. 13.
- Hay, Rene M., assignor to Durex Products, Inc., New York, N. Y. Pessary. 1,949,863; Mar. 6.
- Hayashi, Tomokichi, Asakusa-ku, Tokyo, Japan. Paper bag. 1,968,487; July 31.
- Haydel, Whitney A., assignor of one-sixth to L. P. Bryant, Jeanerette, and one-sixth to J. A. Daigre, New Iberia, La. Combination cooler and ice box. 1,943,938; Jan. 16.
- Hayden, Arthur C., Nantucket, assignor to A. Hemenway and A. W. Lawrence, Milton, Mass. Flooring and the like. 1,970,139; Aug. 14.
- Hayden David H., Brooklyn, N. Y. Wire tighteners or pullers. 1,968,830; Aug. 7.
- Hayden, Harold P., Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Concrete structure and producing, more particularly roadways and the like. 1,955,421; Apr. 17.
- Hayden, Harold R., New York, N. Y. Signal repeating system. 1,947,084; Feb. 13.
- Hayden, Lester N., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener attaching machine. 1,944,510; Jan. 23.
- Hayden, Robert B., Seattle, Wash. Pocket handkerchief. Des. 91,655; Mar. 6.
- Hayden, Robert B., assignor to H. L. J. Specialty Co., Seattle, Wash. Lock. 1,973,251; Sept. 11.
- Haydon, A. William. (See Lofgren, Einar G. C., assignor.)
- Haydon, Arthur W. (See Putnam, James R., assignor.)
- Haydon, Arthur W., Waterbury, Conn. Electric motor and clock. 1,977,184; Oct. 16.
- Haydon, Arthur W., Waterbury, Conn. Electric motor. 1,977,185; Oct. 16.
- Haydon, Arthur W., Waterbury, Conn. Electric motor. 1,977,186; Oct. 16.
- Hayemal, Paul C. L., Brussels, Belgium. Treatment of nitrocellulose containing waste material. 1,985,347; Dec. 25.
- Hayes, Ben E., Jackson, Mich. Adjustable compositor's chase. 1,952,067; Mar. 27.
- Hayes, Ben E., Jackson, Mich. Compositor's copy rack. 1,980,587; Nov. 13.
- Hayes, Carl L., assignor to H. C. Field, Providence, R. I. Furnace for heat treatment of small articles. 1,960,219; May 22.
- Hayes, Edmund W., Arlington, Mass. Envelope. 1,944,980; Jan. 30.
- Hayes, Frank A., Middletown, N. J. Controlling means for variable speed power transmission mechanisms. 1,943,527; Jan. 16.
- Hayes, Frank A., Middletown, N. J. Friction transmission control device. 1,958,303; May 8.
- Hayes, Frank A., Middletown, N. J. Variable speed power transmission mechanism. 1,984,797; Dec. 18.
- Hayes, Frank M., Cynthiaana, Ky. Tobacco press. 1,985,448; Dec. 25.
- Hayes, George B., Denver, Colo. Dividing engine. 1,953,804; Apr. 3.
- Hayes, Hammond V., Boston, Mass. Radiant energy signaling. 1,954,204; Apr. 10.
- Hayes, Harold O. (See Baldof, B. E., and Hayes.)
- Hayes, Harvey C., Washington, D. C. Vibration detector. 1,951,358; Mar. 20.
- Hayes, Harvey C., Washington, D. C. Impact tool. 1,966,446; July 17.
- Hayes, Harvey C., Washington, D. C. Method and apparatus for determining distances. 1,972,889; Sept. 11.
- Hayes, Harvey C., Washington, D. C. Vibration detector. 1,974,422; Sept. 25.
- Hayes, Harvey C., Washington, D. C. Determining the velocity of a moving body. 1,985,251; Dec. 25.

- Hayes, Harvey C., Washington, D. C. Vibration detector. 1,980,993; Nov. 20.
- Hayes, Herman G., Twin Falls, Idaho. Attachment for removing cigarettes from cigarette packages. 1,942,334; Jan. 2.
- Hayes, James H. (See Damsel, William B., assignor.)
- Hayes, John E., Brooklyn, N. Y. Fountain pen. 1,975,944; Oct. 9.
- Hayes, Philip J., Spokane, Wash. Stamp retaining clamp. 1,982,806; Dec. 4.
- Hayes, William P., Yeadon, assignor of one-third to A. C. Jackson, Mount Airy, and one-third to M. Griest, Philadelphia, Pa. Exercising apparatus. 1,952,548; Mar. 27.
- Hayes-Gratze, Eugene V., Kensington, London, England. Making a material for use in caulking, packing, lagging, or covering, and for other purposes. 1,982,381; Nov. 27.
- Hayford, Walter S., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance testing machine. 1,951,908; Mar. 20.
- Haylett, Robert E., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Producing asphalt. 1,948,296; Feb. 20.
- Haylett, Robert E., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Treatment of fuel oil. 1,956,286; Apr. 24.
- Haylett, Robert E., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent process. 1,968,392; July 31.
- Haymond, Gilbert, Ellsworth, Kans. Grain separator. 1,980,405; Nov. 13.
- Haynes, Arthur J. L., Port Haney, British Columbia, Canada. Silencing device for internal-combustion engines. 1,957,012; May 1.
- Haynes, James F., Murfreesboro, Tenn. Vegetable cutter. 1,979,199; Oct. 30.
- Haynes, James F., assignor of one-sixteenth to C. Blakeley, Shawnee, and R. R. Bell, Oklahoma City, Okla. Bumper for automobiles. 1,954,776; Apr. 10.
- Haynes, Joseph E., Medellin, Colombia. Decorticating and debattering machine. 1,964,633; June 26.
- Haynes, Joseph E., Medellin, Colombia. Decorticating and debattering machine. 1,983,454; Dec. 4.
- Haynes, Robert B., assignor to Fabrics, Incorporated, Kings Mountain, N. C. Circlet tying machine. 1,972,520; Sept. 4.
- Haynes Stellite Company. (See Brown, Lucian H., assignor.)
- Haynes Stellite Company. (See Hawkins, Frederick P., assignor.)
- Haynes Stellite Company. (See Jones, Paul C., assignor.)
- Haynes, Thomas S., Martinsville, Va. Woodworking clamp. 1,957,709; May 8.
- Haynsworth, John A. and M. B., Miami, Fla. Detachable color combination for hand bags. 1,949,936; Mar. 6.
- Haynsworth, Maybelle B. (See Haynsworth, John A. and M. B.)
- Hays, Albert B. (See Thomas, H. T., and Hays.)
- Hays Corporation, The. (See Soller, Arnold, assignor.)
- Hays, David, and A. L. Atkinson, Bridgeport, Conn., assignor to General Electric Company. Vacuum cleaner casing. Des. 91,656; Mar. 6.
- Hays, Donald S., Sacramento, Calif. Recording instrument. 1,964,632; June 26.
- Hays, John J., Whitestone, assignor to Sentry Lock Company, Inc., Flushing, N. Y. Locking device. 1,976,724; Oct. 16.
- Hays, Russell R., Wellsville, Kans. Torque compensator for rotating wing systems. 1,977,724; Oct. 23.
- Hayslip, Estelle, Bakersfield, Calif. Firearm. 1,964,634; June 26.
- Hayssen, William A., Sheboygan, Wis. Machine for wrapping loaves of sliced bread. 1,977,307; Oct. 16.
- Hayungs, Henry A. (See Jones, William A., assignor.)
- Hayward, Arnold P., Bellevue, Pa. Regulating system. 1,977,385; Oct. 16.
- Hayward, Arnold P., Bellevue, and T. E. Purcell, Pittsburgh, Pa. Regulating system. 1,984,187; Dec. 11.
- Hayward Company, The. (See Hayward, Judson, assignor.)
- Hayward, Edward G., jr., Auburn, R. I. Textile woven fabric. Des. 92,961; Aug. 7.
- Hayward, John T., Tulsa, Okla. Recording hydrometer. 1,971,610; Aug. 28.
- Hayward, Judson, Hackensack, N. J., assignor to The Hayward Company, New York, N. Y. Excavating shovel. 1,951,909; Mar. 20.
- Hayward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Wrapper or package. 1,977,060; Oct. 16.
- Haywood Gerald, Westernport, Md., assignor to Industrial Chemical Sales Company, Inc., New York, N. Y. Calcium sulphite and paper containing the same. 1,984,188; Dec. 11.
- Haywood, Glasgow W., and G. M. Williamson, Shreveport, La. Fluid siphon for oil wells. 1,968,766; July 31.
- Hazan, Alexandre, Antwerp, Belgium. Device for honing and stropping razor blades. 1,947,849; Feb. 20.
- Hazard, Charles S., Flushing, assignor to Neptune Meter Company, New York, N. Y. Sealing pin for oscillating piston chambers. 1,961,688; June 5.
- Hazard, Charles S., Flushing, assignor to Neptune Meter Company, New York, N. Y. Register. 1,964,352; June 26.
- Hazard & Miller, et al. (See Johnson, Arthur E., assignor.)
- Hazard, Theodore C., and W. G. Anderson, assignors to American Box Board Company, Grand Rapids, Mich. Folding carton. 1,984,371; Dec. 18.
- Hazel-Atlas Glass Co. (See Beeson, A., and Strider, assignors.)
- Hazel-Atlas Glass Company. (See Bennett, William R., assignor.)
- Hazel-Atlas Glass Company. (See Bowman, S. B., and Flint, assignors.)
- Hazel-Atlas Glass Co. (See Bowman, S. B., and Stenhouse, assignors.)
- Hazel-Atlas Glass Company. (See Brady, H. S., Freese, and Eccleston, assignors.)
- Hazel-Atlas Glass Company. (See Briner, Darrell E., assignor.)
- Hazel-Atlas Glass Co. (See Fields, Cedl, assignor.)
- Hazel-Atlas Glass Co. (See Flint, F. C., and Wiles, assignors.)
- Hazel-Atlas Glass Co. (See Freese, Ira H., assignor.)
- Hazel-Atlas Glass Co. (See Good, Robert, assignor.)
- Hazel-Atlas Glass Co. (See Gray, Daniel M., assignor.)
- Hazel-Atlas Glass Company. (See Roberts, James H., assignor.)
- Hazel-Atlas Glass Company. (See Ross, James W., assignor.)
- Hazel-Atlas Glass Company. (See Smith, Frasier, assignor.)
- Hazel-Atlas Glass Company. (See Spear, Ray D., assignor.)
- Hazel-Atlas Glass Company. (See Spence, James E., assignor.)
- Hazel-Atlas Glass Co. (See Stenhouse, David, assignor.)
- Hazel-Atlas Glass Company. (See Williams, J. J., and Bauman, assignors.)
- Hazel-Atlas Glass Co. (See Williams, J. J., and Hunker, assignors.)
- Hazelett, Clarence W., Rocky River, Ohio. Casting apparatus. 1,955,459; Apr. 17.
- Hazell, Eardley. (See Gibbons, W. A., Hazell, and Keen.)
- Hazell, Eardley. (See O'Brien, R. J., and Hazell.)
- Hazell, Eardley, New York, N. Y., assignor to National India Rubber Company, Providence, R. I. Method and apparatus for the manufacture of rubber thread. 1,978,796; Oct. 30.
- Hazell, Eardley, New York, N. Y., assignor to National India Rubber Company, Providence, R. I. Apparatus for the manufacture of rubber thread. 1,978,797; Oct. 30.
- Hazell, Eardley, New York, N. Y., and H. F. Stowe, Rutherford, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Adhesive. 1,958,479; May 15.
- Hazeltine Corporation. (See Harnett, Daniel E., assignor.)
- Hazeltine Corporation. (See MacDonald, William A., assignor.)
- Hazeltine Corporation. (See Walsh, Lincoln, assignor.)
- Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
- Hazeltine Corporation. (See Whitman, Vernon E., assignor.)
- Hazelton, George. (See Bates, A., Barclay, and Hazelton.)
- Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,944,319; Jan. 23.
- Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole press. 1,953,224; Apr. 3.
- Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for pressing sheet material. 1,957,590; May 8.
- Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Tape applying machine. 1,971,484; Aug. 28.
- Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe parts. 1,973,067; Sept. 11.
- Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,979,386; Nov. 6.
- Hazelton, Robert T., Cincinnati, Ohio, and B. H. Mersch, Covington, Ky., assignors to The Cincinnati Shaper Company, Cincinnati, Ohio. Friction clutch. 1,963,364; June 19.
- Hazlehurst, Edward, Orange, N. J., assignor to Congoleum-Nairn, Inc. Linoleum installation. 1,968,204; July 31.
- Hazleton, Frank M. (See Carver, A. W., and Hazleton.)
- H'Doubler, Charles W., and G. I. Mills, Springfield, Mo. Typewriting machine or the like. 1,966,697; July 17.
- Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Cutter for and cutting gears. 1,969,843; Aug. 14.
- Head, Robert, Yonkers, assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Phonograph record cutter and playback combination. 1,946,581; Feb. 13.
- Headlee, Thomas J., New Brunswick, N. J., assignor to Tobacco By-Products & Chemical Company, Richmond, Va. Nicotine insecticide. 1,958,407; May 15.
- Headley, Benjamin T., and P. H. Thompson, Millville, N. J., assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass working machine. 1,948,218; Feb. 20.

- Headley, Benjamin T., and P. H. Thompson, Millville, N. J., assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass working method and machine. 1,948,219; Feb. 20.
- Headson, Frank A., Wauwatosa, Wis. Furnace and heating and ventilating system. 1,974,652; Sept. 25.
- Headworth, Augustus J., assignor to Henry Davis & Company Limited, Toronto, Ontario, Canada. Child's toilet seat. 1,953,855; Apr. 3.
- Heald Machine Company, The. (See Blood, Harold L., assignor.)
- Heald Machine Company, The. (See Guild, Waldo J., assignor.)
- Heald Machine Company, The. (See Guild, W. J., and Blood, assignors.)
- Heald Machine Company, The. (See Harrison, R. E. W., and Schledorn, assignors.)
- Heald Machine Company, The. (See Heald, Richard A., assignor.)
- Heald Machine Company, The. (See Heald, Roger N., assignor.)
- Heald Machine Company, The. (See Heim, Lewis R., assignor.)
- Heald Machine Company, The. (See Ostlund, Harry E., assignor.)
- Heald Machine Company, The. (See Page, Dwight C., assignor.)
- Heald Machine Company, The. (See Schmidt, William D., assignor.)
- Heald Machine Company, The. (See Taylor, E. M., Quimby, and Lippard, assignors.)
- Heald, Richard A., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,948,915; Feb. 27.
- Heald, Roger N., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,950,491; Mar. 13.
- Healis, George A., Philadelphia, and H. C. Graves, Jr., East Bradford Township, Chester County, assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switch control system and apparatus. 1,970,140; Aug. 14.
- Health Products Corporation. (See Barthen, Charles L., assignor.)
- Health Products Corporation of America. (See Hudgings, William F., assignor.)
- Healy, Ellis C., East Orange, N. J., assignor, by mesne assignments, to Holed-Tite Packing Corporation, New York, N. Y. Pulp molding machine. 1,967,361; July 24.
- Healy, Frank, Windsor, Ontario, Canada. Spigot for aerating liquids. 1,958,917; May 15.
- Healy, John J., jr., Newton, assignor to Merrimac Chemical Company Inc., Everett, Mass. Processing glycerin lyes. 1,973,380; Sept. 11.
- Healy, Leon J. D., Milwaukee, Wis., assignor to The Lee Hardware Company, Salina, Kans. Tabbings compound. 1,966,389; July 10.
- Healy, Stephen A., Chicago, Ill., and J. J. McShane and N. Carr, Davenport, Iowa; said McShane and said Carr assignors to said Healy. Cofferdam frame. 1,980,055; Nov. 6.
- Heaney, William A., assignor to Locke Regulator Company, Salem, Mass. Valve. 1,950,728; Mar. 13.
- Heany, John A., and P. M. Haffcke, New Haven, Conn., assignors to Radio Research Laboratories, Inc. Electrical translating device. 1,947,774; Feb. 20.
- Heany, John A., and H. St. Laurent, New Haven, Conn., assignors to Radio Research Laboratories Inc. Method and apparatus for amplifying or detecting electrical variations. 1,974,957; Sept. 25.
- Heany, John A., assignor to Radio Research Laboratories, Inc., New Haven, Conn. Electric discharge device. 1,984,479; Dec. 18.
- Heany, John A., assignor to Sirian Lamp Company, New Haven, Conn. Method of and physical arrangement for contact breaking and lighting appliance. 1,980,800; Nov. 13.
- Heaps, Claude W., and A. B. Bryan, Houston, and J. B. Rushing, Hemphill, Tex.; said Heaps and said Bryan assignors to said Rushing. Device for making urine analysis. 1,979,038; Oct. 30.
- Heard, Edmund F. (See Furman, E. C., and Heard.)
- Hearn, Walter L. (See Schur, M. O., and Hearn.)
- Heaslet, James G., Shaker Heights, Ohio. Crawler tractor. 1,955,125; Apr. 17.
- Heasley, Lloyd E., Holland, Mich., assignor to Hart & Cooley Manufacturing Co., Chicago, Ill. Register. 1,979,543; Nov. 6.
- Heat Exchanger Company. (See Stamsvik, Alfred L., assignor.)
- Heater, Albert W. (See Follett, E. C., and Heater.)
- Heaters Limited. (See Scott, Alexander C., assignor.)
- Heath, Charles W. (See Lawler, J. K., and Heath.)
- Heath, Forrest A., Upper Montclair, N. J. Oil burning apparatus. 1,979,465; Nov. 6.
- Heath, Forrest A., Philadelphia, Pa., assignor to himself, K. B. Segall, and W. F. Tant, Detroit, Mich. Oil burning apparatus. 1,954,293; Apr. 10.
- Heath, Frank M., Silver Spring, Md. Valve for flush tanks. 1,975,421; Oct. 2.
- Heath, Frederick T., Syracuse, N. Y. Building block and wall construction. 1,969,402; Aug. 7.
- Heath, George. (See Campbell, B. G., Wing, and Heath.)
- Heath, George F., St. Louis, Mo. Wrapper for cigarette packages and the like. 1,957,777; May 8.
- Heath, Herbert C. (See Trencham, H., and Heath.)
- Heath, James M., Philadelphia, Pa. Shock absorbing vehicle frame. 1,969,844; Aug. 14.
- Heath, Kate B., Montgomery, Ala. Hose holder. 1,953,882; Apr. 3.
- Heath, Leslie O. (See Doyle, E. D., and Heath.)
- Heath, Leslie O., assignor to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for speed control. Re19,157; May 8.
- Heath, Oliver J. (See Yager, G. F., and Heath.)
- Heath, R. Lee. (See Miller, Max O., assignor.)
- Heath, Sheldon B. (See Barstow, E. O., and Heath.)
- Heath, Sheldon B. (See Barstow, E. O., Heath, and Minger.)
- Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Purifying calcium chlorate. 1,949,204; Feb. 27.
- Heath, Spencer, Elkridge, assignor to The American Propeller Company, Baltimore, Md. Impeller. 1,972,654; Sept. 4.
- Heath, Wilfrid P., Seattle, Wash. Apparatus for cooling and aerating liquids. 1,965,836; July 10.
- Heath, William C., Milwaukee, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto construction. 1,948,853; Feb. 27.
- Heath, William C., Milwaukee, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric machine. 1,948,854; Feb. 27.
- Heatless Light Corporation. (See Lucian, Arsène N., assignor.)
- Heavers, Edward J. (See James, H. C., and Heavers.)
- Heavey, Thomas J., U. S. Army, Fort Riley, Kans. Tripod for machine guns. 1,977,629; Oct. 23.
- Hebbard, Charles B., Joplin, Mo. Adjustable propeller. 1,957,887; May 8.
- Hebbel, Konrad, Wolfen, Kreis Bitterfeld, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Subtractive two-color picture. 1,953,175; Apr. 3.
- Hebel, Eugene. (See Munson, G. W., and Hebel.)
- Hebeler, Edward S., Williamsville, and E. C. Boehm, Buffalo, N. Y. Forming bridging and a brace therefor. 1,962,592; June 12.
- Heber, John C. (See Thompson, O. J., and Heber.)
- Heberlein & Co. A. G. (See Kundert, Jean G., assignor.)
- Heberlein, George, Jr., and A. Bodmer, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Treatment of acetate silk. 1,970,522; Aug. 14.
- Heberlein Patent Corporation. (See Heberlein, G., Jr., and Bodmer, assignors.)
- Heberlein Patent Corporation. (See Weiss, Ernst, assignor.)
- Hebig, Henry C. (See Littell, N., and Hebig.)
- Hebig, Henry C., Miami, Fla., assignor of fifty five per cent to N. Littell, New York, N. Y. Footwear. 1,959,359; May 22.
- Hebley, Henry F., and K. Prins, Chicago, Ill. Pneumatic cleaning conveyor. 1,973,707; Sept. 18.
- Hebley, Henry F., and K. Prins, Chicago, Ill. Dust extraction apparatus. 1,977,479; Oct. 16.
- Hebner, Arthur, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Spring shackle. 1,967,027; July 17.
- Hechenbleikner, Ingenium, assignor to Chemical Construction Corporation, Charlotte, N. C. Treatment of acid sludge. 1,953,225; Apr. 3.
- Hechenbleikner, Ingenium, assignor to Chemical Construction Corporation, Charlotte, N. C. Production of fuel from acid sludge. 1,953,226; Apr. 3.
- Hechenbleikner, Ingenium, assignor to Chemical Construction Corporation, Charlotte, N. C. Treating acid sludge. 1,958,402; May 8.
- Hechenbleikner, Ingenium, assignor to Chemical Construction Corporation, Charlotte, N. C. Concentrator apparatus. 1,969,793; Aug. 14.
- Hechenbleikner, Ingenium, assignor to Chemical Construction Corporation, Charlotte, N. C. Apparatus for the treatment of gaseous products. 1,982,099; Nov. 27.
- Hechenbleikner, Ingenium, Charlotte, N. C., assignor to Chemical Construction Corporation, New York, N. Y. Storing oxides of nitrogen. 1,979,544; Nov. 6.
- Hecht, F. & Co., Inc., et al. (See Friedheim, Louis, assignor.)
- Hecht, Heinrich, assignor to Electroacoustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Apparatus for the directional transmission and reception of wave energy. 1,969,005; Aug. 7.
- Hecht, Heinrich, assignor to Electroacoustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Subaqueous sound device with inclined diaphragms. 1,974,920; Sept. 25.
- Hecht, Joseph L., and E. E. Einfeldt, Davenport, Iowa, assignors to French & Hecht, Incorporated. Traction wheel. 1,957,338; May 1.
- Hecht, Max, and D. S. McKinney, assignors of one-third to E. G. Campbell, Pittsburgh, Pa. Method and apparatus for the control of evaporating processes. 1,971,816; Aug. 28.
- Hechtenberg, Wilhelm. (See Zerweck, W., and Hechtenberg.)
- Heck, Adolf, assignor to Cook Paint & Varnish Company, Kansas City, Mo. Manufacturing coating composition. 1,947,414; Feb. 13.
- Heck, Adolf, assignor to Cook Paint & Varnish Company, Kansas City, Mo. Coating composition and making the same. 1,947,415; Feb. 13.

- Heck, Adolf, assignor to Cook Paint & Varnish Company, Kansas City, Mo. Diene resins and making the same. 1,947,416; Feb. 13.
- Heckel, Wilhelm, and P. Nashan, assignors to the firm Gutehoffnungshütte Oberhausen, Aktiengesellschaft, Oberhausen-Rhineland, Germany. Production of oxidation products of acetylene. 1,943,385; Jan. 16.
- Heckendorf, Paul, San Francisco, assignor to P. P. Gutierrez, Watsonville, Calif. Automobile direction signal. 1,961,492; June 5.
- Hecker, Russell P., Cleveland Heights, Ohio. Theatrical rope locking device. 1,944,603; Jan. 23.
- Heckert, Erich, Berlin, assignor to H. Reuter, Berlin-Steglitz, Germany. Implement to clean textiles. 1,957,591; May 8.
- Heckl, Oscar. (See Froehlich, E., and Heckl.)
- Heckler, Cyrus H., Philadelphia, Pa. Stocking. 1,955,422; Apr. 17.
- Heckler, Ernest A., Lansdale, Pa. Motion picture apparatus. 1,949,909; Mar. 6.
- Heckler, Ernest A., Lansdale Pa. Electric motor. 1,949,910; Mar. 6.
- Heco Envelope Co. (See McLaughlin, Henry, assignor.)
- Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitation. 1,953,405; Apr. 3.
- Heddaeus, Gilbert T. (See Semans, H. L., and Heddaeus.)
- Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Fish bait body. Des. 92,349; June 5.
- Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Fishing rod. 1,961,968; June 5.
- Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Metallic fishing rod. 1,961,969; June 5.
- Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Metallic fishing rod. 1,961,970; June 5.
- Heddon, John, Hollywood, Calif., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing rod. 1,962,869; June 12.
- Heddon's, James, Sons. (See Heddon, Charles, assignor.)
- Heddon's, James, Sons. (See Heddon, John, assignor.)
- Heddon's, James, Sons. (See Wooster, Lyell J., assignor.)
- Hede, Arvid, assignor to Cinder Chrome Company, Detroit, Mich. Composition of matter for making a building unit. 1,981,043; Nov. 20.
- Hedebay, Hans U., Youngstown, Ohio. Power-actuated hand plane. 1,980,056; Nov. 6.
- Hedeman, Walter R., Baltimore, Md., assignor to The Ashton Valve Company, Cambridge, Mass. Pressure gauge. 1,976,938; Oct. 16.
- Heden, Scott E., Mondovi, Wash. Fluid pressure controlled circuit maker. 1,969,929; Aug. 14.
- Hedenburg, Oscar F., Pittsburgh, Pa., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Making arsenate of lead. 1,984,305; Dec. 11.
- Hedenburg, Oscar F., Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio. Manufacturing arsenate of zinc and the product. 1,981,044; Nov. 20.
- Hedenskoog, Ernest, Muskegon, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Automatic outside bowling alley. 1,953,227; Apr. 3.
- Hedenskoog, Ernest, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling ball brake or retarder. 1,979,466; Nov. 6.
- Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Truck side frame. 1,962,442; June 12.
- Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Truck. 1,972,934; Sept. 11.
- Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Body bolster. 1,972,935; Sept. 11.
- Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 1,975,640; Oct. 2.
- Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Truck. 1,977,585; Oct. 16.
- Hedgcock, William C., Wilmette, Ill., and J. P. Begley, Lansdowne, Pa., assignors to American Steel Foundries, Chicago, Ill. Railway crossing. 1,961,488; June 5.
- Hedgcock, William C., and R. B. Cottrell, assignors to American Steel Foundries, Chicago, Ill. Side frame. 1,962,443; June 12.
- Hedgcock, William C., and E. G. Busse, assignors to American Steel Foundries, Chicago, Ill. Truck. 1,969,130; Aug. 7.
- Hedgcock, William C., Wilmette, and R. B. Cottrell, assignors to American Steel Foundries, Chicago, Ill. Truck bolster. 1,969,131; Aug. 7.
- Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Car truck. 1,985,288; Dec. 25.
- Hedgeland, Marley C., assignor to Warner Gear Company, Muncie, Ind. Shift lever. 1,947,988; Feb. 20.
- Hedges, Edward G., Newark, N. J. Flush valve. 1,959,955; May 22.
- Hedges, Halstead S. (See Ryalls, John H., assignor.)
- Hedin, Uno C., Elkhardt, Ind., assignor to The Adlake Company, Relay. 1,967,948; July 24.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Linear induction motor. 1,950,611; Mar. 13.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Magnetic steel dust collector. 1,957,209; May 1.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Vehicle and vehicle door operating mechanism. 1,976,223; Oct. 9.
- Hedlof, Ernest, South Chicago, Ill. Aeroplane. 1,959,270; May 15.
- Hedman, Herbert R., assignor to Hedman Manufacturing Company, Chicago, Ill. Signature writing machine. 1,943,607; Jan. 16.
- Hedman Manufacturing Company. (See Hedman, Herbert R., assignor.)
- Hedman Manufacturing Company, The. (See Slettevold, Ole, assignor.)
- Hedrich, Guido, Budenheim, assignor to Chemische Fabrik Budenheim Aktiengesellschaft, Mainz, Germany. Softening water. 1,978,629; Oct. 30.
- Hedrick, Clarence E., Newton, Kans. Poultry feeder. 1,985,827; Dec. 25.
- Hedstrom, Olof H., Jr., Hartford City, Ind. Method of and apparatus for producing multi-shade mottled paper. 1,981,803; Nov. 20.
- Heegner, Kurt, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter tube circuit. 1,941,472; Jan. 2.
- Heenan & Froude Limited. (See Walker, George H., assignor.)
- Heermance, Clayton J. (See Beidler, Ford E., assignor.)
- Heerwagen, Paul M., Fayetteville, Ark. Sound deadener for walls, ceilings, etc. 1,975,002; Sept. 25.
- Heess, Albert. (See Aichele, G., and Heess.)
- Heeter, Allen F. (See Buhrke, A. E., and Heeter.)
- Heetkamp, Heinrich, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Cushioned push bench. 1,959,425; May 22.
- Heetkamp, Heinrich, Duisburg, Germany. Revolving device for pilger mills. 1,982,472; Nov. 27.
- Heffelfinger, Arthur E., assignor to The Symington Company, New York, N. Y. Draft rigging. 1,979,070; Oct. 30.
- Heffelfinger, Glen B., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating machine. 1,951,410; Mar. 20.
- Heffelfinger, Glen B., assignor to The Marion Steam Shovel Company, Marion, Ohio. Protector for dipper doors. 1,981,267; Nov. 20.
- Heffelfinger, Harlan W., et al. (See Heffelfinger, Leroy W., assignor.)
- Heffelfinger, Leroy W., assignor of one-fourth to H. W. Heffelfinger and one-fourth to J. D. Heffelfinger, Beatrice, Nebr. Carrier or stretcher. 1,965,644; July 10.
- Heffernan Brush Company, Inc. (See Heffernan, William H., assignor.)
- Heffernan, George F., Jr., St. Louis, and H. L. Dahm, Normandy, Mo. Charcoal briquette. 1,959,472; May 22.
- Heffernan, William H., assignor to Heffernan Brush Company, Inc., North Adams, Mass. Furnisher brush. 1,972,382; Sept. 4.
- Heffner, Alfred E., and C. C. Cornelius, Seattle, Wash. Sirup pump. 1,951,910; Mar. 20.
- Hefner, William J. (See Boggs, D. H., and Hefner.)
- Hefti, Wilhelm, assignor to the firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. Cylinder liner for internal combustion engines. 1,968,449; July 31.
- Heflter, Victor R. (See Crawford, Matthew O., assignor.)
- Hegan, Chester P., assignor to American Air Filter Company, Inc., Louisville, Ky. Fan or blower housing. 1,978,459; Oct. 30.
- Hegel, George W., Schenectady, N. Y., assignor to General Electric Company. Door mechanism. 1,944,082; Jan. 16.
- Hegel, George W., Schenectady, N. Y., assignor to General Electric Company. Operating mechanism for doors and the like. 1,953,805; Apr. 3.
- Hegeler Zinc Company, The. (See McCreary, Miller A., assignor.)
- Hegeler Zinc Company, The. (See McCreary, M. A., and Porter, assignors.)
- Heggem, Alfred G., Tulsa, Okla. Valve. 1,949,834; Mar. 6.
- Heggem, Alfred G., Tulsa, Okla. Tubing top. 1,973,809; Sept. 18.
- Heggem, Alfred G., Tulsa, Okla. Oil saver. 1,982,252; Nov. 27.
- Heggem, Alfred G., Tulsa, Okla. Valve. 1,985,449; Dec. 25.
- Heggie, James. (See Corral, H., and Heggie.)
- Heggs, William H., and J. W. Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sole fitting machine and sole fitting. 1,961,355; June 5.
- Hehemann, Frederick H., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Self-drain bonnet valve. 1,970,040; Aug. 14.
- Hehle, Charles F., and A. Halstead, Jr., assignors to Claybourn Process Corporation, Milwaukee, Wis. Rotary printing machinery. 1,952,028; Mar. 20.
- Hehlans, Friedrich W., Berlin-Hermsdorf, Germany, assignor to General Electric Company. Cathode ray tube. 1,985,093; Dec. 18.

- Hehn, Waldemar L., New York, assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Apparatus for testing magnetizable objects. 1,954,996; Apr. 17.
- Hehr, Frederick G., Sayville, N. Y., assignor to Aerol Engine Corporation, Newport, R. I. Injector for internal combustion engine. 1,985,289; Dec. 25.
- Heichert, Herman S., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass handling apparatus. 1,970,749; Aug. 21.
- Heichert, Herman S., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for handling and inspecting plate glass. 1,983,755; Dec. 11.
- Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,972,936; Sept. 11.
- Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,981,144; Nov. 20.
- Heid, Rudolph L., Denver, Colo., assignor to Chamberlin Metal Weather Strip Company, Detroit, Mich. Weather strip for sliding sashes. 1,957,592; May 8.
- Heidbrink, Jay A., Minneapolis, Minn. Support for oxygen tents and other articles. 1,957,210; May 1.
- Heidbrink, Jay A., Minneapolis, Minn. Holder for gas administering tanks. 1,977,725; Oct. 23.
- Heidbrink, Jay A., and B. J. Clark, Minneapolis, Minn. Tent for gas-delivering apparatus. 1,971,408; Aug. 28.
- Heidelberg Viktor, Bensberg, near Cologne, assignor to Humboldt-Deutzmotoren A. G., Köln-Deutz, Germany. Governing Diesel marine engines. 1,958,751; May 15.
- Heidemann, Frederick J., Detroit, assignor to Kold-Hold Manufacturing Company, Lansing, Mich. Mechanical refrigeration unit. 1,979,617; Nov. 6.
- Heidemann, Georg, Hoppegarten-Berlin, Germany. Automotive vehicle. 1,979,545; Nov. 6.
- Heidenfelder, Fred A., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Press. 1,983,455; Dec. 4.
- Heidenfelder, Fred A., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Press. 1,983,456; Dec. 4.
- Heidenreich, Rudolf M., and P. Tust, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of phthaloyl-phenanthridones. 1,957,593; May 8.
- Heidloff, Joseph R. (See Oliver, W. F., and Heidloff.)
- Heidloff, Joseph R., assignor to Hydraulic Brake Company, Detroit, Mich. Hose coupling. 1,944,890; Jan. 30.
- Heidloff, Joseph R., assignor to Hydraulic Brake Company, Detroit, Mich. Assembly of a hose end fitting. 1,945,777; Feb. 6.
- Heidmann, Leon, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Société Anonyme, Paris, France. Electric motor control. 1,963,268; June 19.
- Heigh, William, Cambuslang, Scotland, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Metallic expansion joint. 1,944,128; Jan. 16.
- Heighton, Henry E., assignor to Port Colborne Iron Works, Port Colborne, Ontario, Canada. Fairlead for cables and the like. 1,943,433; Jan. 16.
- Heighway, George, New York, N. Y. Inflated toy rolling pin. 1,951,193; Mar. 13.
- Heikjenskjöld, Gustaf O. W., Stockholm, Sweden. Bathing plant. 1,976,168; Oct. 9.
- Heikjenskjöld, Gustaf O. W., Stockholm, Sweden. Bathing plant. 1,947,594; Feb. 20.
- Heil, Arent, Upper Darby, Pa. Shoe. Des. 93,013; Aug. 14.
- Heil, Arent, Upper Darby, Pa. Shoe. Des. 93,014; Aug. 14.
- Heil, Arent, Upper Darby, Pa. Shoe. Des. 93,552; Oct. 9.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,300; May 22.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,301; May 22.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,302; May 22.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,303; May 22.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,304; May 22.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,305; May 22.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,306; May 22.
- Heil, Arent, Upper Darby, assignor to Laird Schober & Company, Philadelphia, Pa. Shoe. Des. 92,398; June 5.
- Heil Co., The. (See Buller, Charles R., assignor.)
- Heil Co., The. (See Eisenberg, Charles G., jr., assignor.)
- Heil Co., The. (See French, H. C., and Thwaites, assignors.)
- Heil Company, The. (See Frenzels, Herman C., jr., assignor.)
- Heil Co., The. (See Heil, Julius P., assignor.)
- Heil Co., The. (See Landry, George L., assignor.)
- Heil Co., The. (See Thwaites, Frederick G., assignor.)
- Heil, Julius P., assignor to The Heil Co., Milwaukee, Wis. Truck body. 1,955,807; Apr. 24.
- Heilbrunn, Adolf, New York, N. Y. Sandal. Des. 91,998; Apr. 17.
- Heilbrunn, Adolf, New York, N. Y. Sandal. Des. 91,999; Apr. 17.
- Heilbrunn, Adolf, New York, N. Y. Sandal. Des. 92,000; Apr. 17.
- Heilbrunn, Alfred, assignor to the firm L. Anker Maschinenfabrik, Hamburg, Germany. Manufacture of galvanic cells. 1,984,926; Dec. 18.
- Helle, Harriet, Chicago, Ill., assignor to Worthy Manufacturing Company. Pocket for garments. 1,982,100; Nov. 27.
- Heilman, Frank A., assignor to The Grant Manufacturing and Machine Co., Bridgeport, Conn. Vibrating riveter control. 1,962,715; June 12.
- Heilman, Frank A., assignor to The Grant Manufacturing and Machine Co., Bridgeport, Conn. Rotary vibrating riveter. 1,966,295; July 10.
- Heim, Jacob C., assignor to Brown & Bailey Company, Philadelphia, Pa. Foldable container. 1,950,111; Mar. 6.
- Heim, Lewis R., Danbury, Conn. Bearing construction. 1,943,864; Jan. 16.
- Heim, Lewis R., Danbury, Conn. Making roller bearings. 1,976,019; Oct. 9.
- Heim, Lewis R., Mount Dora, Fla. Bearing construction. 1,984,213; Dec. 11.
- Heim, Lewis R., Mount Dora, Fla., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machinery. 1,958,001; May 8.
- Heim, Roy A. (See Taylor, R. S., and Heim.)
- Heiman, Sidney J., assignor to International Oil Heating Company, St. Louis, Mo. Oil burner. 1,960,008; May 22.
- Heimrod, Albert A., Great Neck, N. Y., assignor to International Precipitation Company, Los Angeles, Calif. Purifying sulphur dioxide bearing gases and manufacturing sulphur trioxide therefrom. 1,971,855; Aug. 28.
- Hein, Bruno, Iserlohn, Germany. Rotary engine. 1,969,711; Aug. 7.
- Hein, George N., San Francisco, Calif. Resilient reflex syringe. 1,961,489; June 5.
- Hein, George N., San Francisco, Calif. Syringe equipment. 1,961,490; June 5.
- Hein, George N., San Francisco, Calif. Syringe. 1,971,345; Aug. 28.
- Hein, Henry E., New York, N. Y. High school badge or similar article. Des. 94,084; Dec. 18.
- Hein, Hermann, Bremen, Germany. Resistance body. 1,960,846; May 29.
- Hein, Johan W. V., et al. (See Douw, Jacobus C., assignor.)
- Hein-Werner Motor Parts Corporation. (See Eason, C. M., and Mueller, assignors.)
- Heinbuch, George W., Toronto, Ontario, Canada, assignor to General Electric Company. Oven. 1,982,386; Nov. 27.
- Heindel, Roy L., jr. (See Britton, E. C., Martin, Alquist, and Heindel.)
- Heindl & Petters. (See Kraus, Johann, assignor.)
- Heine, Ferdinand H., assignor to Koehring Company, Milwaukee, Wis. Variable water tank. 1,973,167; Sept. 11.
- Heine, Harry A. (See Gibbs, C., and Heine.)
- Heine, Herman E. (See Mullett, H. A., and Heine.)
- Heine, Hermann, assignor to the firm Ernst Leitz, Optische Werke, Wetzlar, Germany. Microscope. 1,954,755; Apr. 10.
- Heine, William A. (See Gibbs, C., and Heine, assignors.)
- Heinecke Company, Inc., The. (See Dittmann, Theodor, assignor.)
- Heineke, Heinrich B., and A. Nielsen, Copenhagen, Denmark. Oil burner. 1,953,711; Apr. 3.
- Heineken, William P., Dongan Hills, and M. L. Freed, New York, N. Y., assignors to Rufert Chemical Company, Dover, Del. Process and apparatus for the preparation of metallic salts. 1,947,006; Feb. 13.
- Heineman, Edgar E., Merrill, Wis. Laminated lumber and making the same. 1,944,237; Jan. 23.
- Heineman, Herman C., Dalton, Nebr. Spindleless display device. 1,974,272; Sept. 18.
- Heineman, Paul G., assignor to Cook Laboratories Inc., Chicago, Ill. Medicament package and process. 1,967,439; July 24.
- Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric flash welding. 1,976,342; Oct. 9.
- Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Aligning sheet metal edges for electric welding. 1,976,343; Oct. 9.
- Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Conveyer mechanism. 1,979,799; Nov. 6.
- Heinemann Electric Company. (See Wilckens, Kurt W., assignor.)
- Heinemann, Karl, Dresden, Germany. Conveying apparatus. 1,941,938; Jan. 2.
- Heinen, Frederick C. (See Fehr, E. J., Tobin, and Heinen.)
- Heinen, Frederick C., assignor to Camel Company, Chicago, Ill. Lift and throwout door mechanism. 1,943,823; Jan. 16.
- Heinen, Frederick C., assignor to Camel Company, Chicago, Ill. Door locking device. 1,955,423; Apr. 17.

- Heiner, Stephen J., Scranton, Pa. Jar opener and closer. 1,981,104; Nov. 20.
- Heinicke, Herbert M. E., Elgin, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling molten metal. 1,965,340; July 3.
- Heinisch, George, Cuyahoga Falls, and L. A. Krupp, assignors to The Star Drilling Machine Company, Akron, Ohio. Drilling machine. 1,941,894; Jan. 2.
- Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Knitting stockings on flat knitting machines. 1,943,178; Jan. 9.
- Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Knitting. 1,955,632; Apr. 17.
- Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Bobbin-winding machine. 1,957,394; May 1.
- Heinitz, Woldemar, assignor to the firm Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Stocking in the correct form manufactured on the flat hosiery knitting machine and manufacturing the same. 1,960,107; May 22.
- Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Knitting stockings. 1,978,306; Oct. 23.
- Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Fabric for stockings and knitting same. 1,978,307; Oct. 23.
- Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Flat hosiery frame. 1,978,308; Oct. 23.
- Heinkel, Ernst, Warnemünde, Germany. Catapult for launching aeroplanes. 1,960,264; May 29.
- Heinkel, John, Rock Island, Ill. Carrier chair for water closet bowls. 1,946,140; Feb. 6.
- Heinrich, Charles B., Maple Shade, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch. 1,979,880; Nov. 6.
- Heinrich, Constantin. (See Delpech, J., and Heinrich.)
- Heinrich, Hermann & Weiss. (See Herrmann, Robert, assignor.)
- Heinrich, Lanz, Aktiengesellschaft. (See Sipp, Karl, assignor.)
- Heinrich, Richard. (See Buff, C. T., and Heinrich.)
- Heinrich, Richard, Berlin-Sudende, Germany, assignor, by mesne assignments, to International Precipitation Company, Los Angeles, Calif. Electrical purification. 1,941,861; Jan. 2.
- Heinrich, Richard, Berlin-Sudende, Germany, assignor, by mesne assignments, to International Precipitation Company, Los Angeles, Calif. Electrical precipitator. 1,965,924; July 10.
- Heinrich, Richard, Berlin-Sudende, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for humidifying and cooling dust-laden gases. 1,966,859; July 17.
- Heinrich, Robert, Racine, Wis. Vise for shapers. 1,971,069; Aug. 21.
- Heinrich, Walter A., St. Louis, Mo. Protective apparatus for high-tension transmission lines. 1,948,855; Feb. 27.
- Heinrich, Walter A., St. Louis, Mo. Tool for setting earth anchors. 1,948,856; Feb. 27.
- Heinrich, Walter A., St. Louis, Mo. Switch contact. 1,956,026; Apr. 24.
- Heinrich & Winterling, Inc. (See Froelich, Ludwig, assignor.)
- Heinrich & Winterling Inc. (See Reisner, Albert, assignor.)
- Heinsbergen, Anthony B., Los Angeles, Calif. Combination plastic and color decorating. 1,985,725; Dec. 25.
- Heintz, Frederick H., Blue Island, Ill. Coil. 1,953,712; Apr. 3.
- Heintz, George W., Menlo Park, Calif. Equipment for dog race-tracks. 1,965,287; July 3.
- Heintz, James C., Lakewood, Ohio. Belt vulcanizing apparatus. 1,949,275; Feb. 27.
- Heintz, James C., Lakewood, Ohio. Repairing tires. 1,975,149; Oct. 2.
- Heintz & Kaufman, Ltd. (See Eitel, W. W., and McCullough, assignors.)
- Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
- Heintz & Kaufman, Ltd. (See Heintz, R. M., and Scofield, assignors.)
- Heintz & Kaufman, Ltd. (See McCullough, Jack, assignor.)
- Heintz & Kaufman, Ltd. (See Scofield, Philip F., assignor.)
- Heintz Manufacturing Company. (See D'Ardenne, Walter H., assignor.)
- Heintz Manufacturing Company. (See Lambert, Albert L., assignor.)
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Modulating system. 1,955,126; Apr. 17.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Clamp base. 1,955,127; Apr. 17.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Making engine cylinders. 1,955,292; Apr. 17.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Magneto field member. 1,958,043; May 8.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Alternator mountings. 1,958,752; May 15.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman Ltd., San Francisco, Calif. Stationary armature construction. 1,958,753; May 15.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Telegraph key. 1,964,916; July 3.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Electrode cap. 1,970,750; Aug. 21.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Temperature control. 1,979,546; Nov. 6.
- Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Modulating system. 1,983,172; Dec. 4.
- Heintz, Ralph M., and P. F. Scofield, Palo Alto, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Power antenna. 1,960,630; May 29.
- Heintz, Samuel, Watertown, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Method and apparatus for making composite sheet articles. 1,969,706; Aug. 7.
- Heintz, Samuel, Watertown, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Making composite articles. 1,978,048; Oct. 23.
- Heintz, Samuel, Watertown, and R. H. Blanchard, Malden, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Making composite articles. 1,978,049; Oct. 23.
- Heintz, William B., West View Borough, Pa. Combination holder for a clothesline reel and clothespins. 1,961,356; June 5.
- Heinze, Gus E. (See Boatwright, John T., assignor.)
- Heinze, John O., Detroit, assignor of one-half to A. L. Cash, Marine City, Mich. Motor vehicle control mechanism. 1,985,168; Dec. 18.
- Heinze, Paul. (See White, P. W., and Heinze.)
- Heinze, Paul, assignor to Parva Products Company, Chicago, Ill. Buckle. 1,947,394; Feb. 13.
- Heinzelmann, Alphonse A., assignor to Bludalk, Inc., New York, N. Y. Variable speed transmission. 1,974,108; Sept. 18.
- Heinzmann, Max J., Kotzschbroda, Germany. Centrifugal spring governor. 1,971,070; Aug. 21.
- Heise, Arthur C., and M. W. Jacobi, Baltimore, Md. Shelf for sinks. 1,985,658; Dec. 25.
- Heise, Arthur R., Woodbridge, assignor to The Wm. Schollhorn Company, New Haven, Conn. Hand punch. 1,962,193; June 12.
- Heise, Eyda, executrix. (See Heise, Roscoe S.)
- Heise, George W., Lakewood, Ohio, assignor to National Carbon Company Inc. Nonspillable primary battery with liquid electrolyte. 1,972,775; Sept. 4.
- Heise, George W., Lakewood, and C. W. Brokate, Port Clinton, Ohio, assignors to National Carbon Company, Inc. Galvanic cell and caustic electrolyte therefor. 1,954,410; Apr. 10.
- Heise, Roscoe S., deceased, Wauson, Ohio; Eyda Heise, executrix. Wiring system for electric ovens. 1,943,310; Jan. 16.
- Heise, William H., assignor to Big Rock Ranch Company, Los Angeles, Calif. Hearse. 1,968,205; July 31.
- Heise, William H., assignor to Big Rock Ranch Company, Los Angeles, Calif. Cam means for leveling hearse bodies. 1,968,206; July 31.
- Heisel, Paul, Gersthofen, near Augsburg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing anhydrides of halogen fatty acids. 1,967,668; July 24.
- Heiser, Albert C., Omaha, Nebr. Clothes drying rack. 1,981,268; Nov. 20.
- Heisey, A. H., & Company. (See Cobel, Ray C., assignor.)
- Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo-electric crystals having low temperature coefficients of frequency. 1,958,620; May 15.
- Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 1,961,357; June 5.
- Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Device and circuit for frequency translation. 1,976,558; Oct. 9.
- Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Noise suppression circuit. 1,968,450; July 31.
- Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrostatic acoustic device. 1,978,200; Oct. 23.
- Heisler, Charles L., Jr., Schenectady, N. Y., assignor to General Electric Company. Centrifugal machine. 1,970,377; Aug. 14.
- Heisser, Otto E., Chicago, Ill. Machine for cleaning golf balls or the like. 1,974,185; Sept. 18.
- Heisterkamp, Charles A., Hoboken, N. J. Flexible coupling. 1,950,448; Mar. 13.
- Heit, Philip, New York, N. Y. Dress. Des. 93,872; Nov. 20.
- Heit, Philip, New York, N. Y. Dress. Des. 93,923; Nov. 27.
- Heitger, Frank H., deceased, M. G. Heitger, Flint, Mich., administratrix. Carburetor. 1,941,862; Jan. 2.

- Heitger, Frank H., deceased, Mattie G. Heitger, Flint, Mich., administratrix. Choker valve means. 1,968,553; July 31.
- Heitger, Mattie G., administratrix. (See Heitger, Frank H., assignor.)
- Heitman, Charles H. (See Kuhn, A., and Heitman.)
- Heitman, Edward, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerant vaporizer. 1,951,657; Mar. 20.
- Heitman, Edward, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,952,670; Mar. 27.
- Heitman, Edward, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,956,027; Apr. 24.
- Heitman, Edward, and A. H. Sack, assignors to Kelvinator Corporation, Detroit, Mich. Shipping case and supporting frame for refrigerating apparatus. 1,947,850; Feb. 20.
- Heitman, John, New York, N. Y. Measure-dispensing coffee container. 1,949,648; Mar. 6.
- Heitman, Leon, New York, N. Y. Floor scrubbing and mopping machine. 1,954,314; Apr. 10.
- Heitmann, Moritz J., Freital, Germany, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Lubrication of surfaces which are exposed to a high temperature. 1,984,214; Dec. 11.
- Heitmüller, Bernhard V., Newark, and J. F. Loeffler, Hillside, N. J. Fire extinguisher and other pump-like devices. 1,971,450; Aug. 28.
- Heitsmith, William J., Ridgefield Park, N. J., assignor to American Telephone and Telegraph Company. Telephone coin system. 1,982,735; Dec. 4.
- Heitz, Alka T. A., Walden, N. Y. Laminated board top or covering for furniture, etc. 1,942,287; Jan. 2.
- Heitzman, Alfred A., West New York, and C. R. Heitzman, Grantwood, N. J. Pneumatic hammer. 1,954,411; Apr. 10.
- Heitzman, Charles R. (See Heitzman, Alfred A. and C. R.)
- Heitzmann, Wilhelm. (See Schmid, O., and Heitzmann.)
- Hekrdle, Frank J., Davidson, Saskatchewan, Canada. Match holder. 1,958,340; May 8.
- Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. Des. 92,444; June 5.
- Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. Des. 92,906; July 31.
- Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. Des. 92,907; July 31.
- Held, Christian, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Oil-filled cable. 1,973,068; Sept. 11.
- Held, Herman A., Valley Stream, assignor to Eagle Pencil Company, New York, N. Y. Rubber eraser head for lead pencils or similar articles. Des. 92,174; May 8.
- Heldman, Max, Birmingham, Ala. Coaster toy. 1,985,726; Dec. 25.
- Hele-Shaw, Henry S., Westminster, London, England. Apparatus for corrugating collars for wear. 1,976,882; Oct. 16.
- Hele-Shaw, Henry S., and T. E. Beacham, Westminster, London, England. Hydraulic control gear. 1,983,884; Dec. 11.
- Helfand, Samuel, Erie, Pa. Combined valve and switch mechanism. 1,976,559; Oct. 9.
- Helfenstein, Max, Lucerne, Switzerland. Photometer for determining the time of exposure for photographic picture taking. 1,974,492; Sept. 25.
- Heifer, Bernard L. (See Hardman, A. H., and Helfer.)
- Helferich, Burckhardt, Leipzig, and E. Schmitz-Hillebrecht, Grütten, Germany. Production of glucosides. 1,966,033; July 10.
- Helfrich, George J., Cincinnati, Ohio. Allocator for duplicating stamps. 1,949,864; Mar. 6.
- Helfrich, George J., Cincinnati, Ohio. Allocator for duplicating stamps. 1,967,473; July 24.
- Helfrich, John, Westfield, N. J. Rubber product and making same. 1,976,894; Oct. 9.
- Helfrich, Josef, Luftschiffwerft, Mannheim-Rheinau, assignor to Schütte-Lanz Holzwerke, A. G. Mannheim, Rheinau, Germany. Manufacture of dried wood veneer. 1,969,712; Aug. 7.
- Helfmann, Ernest, Bronx, N. Y. Window screen. 1,971,451; Aug. 28.
- Helgason, Arni, and W. J. Leidy, assignors to Chicago Transformer Corporation, Chicago, Ill. Transformer installation. 1,964,945; July 3.
- Helgason, Arni, and W. J. Leidy, assignors to Chicago Transformer Corporation, Chicago, Ill. Apparatus for making stepped coils. 1,964,946; July 3.
- Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Heat treatment of cables. 1,942,550; Jan. 9.
- Helin, Alfred F. (See Valentine, C. W., and Helin.)
- Heline, Joseph. (See Vaverek, C., and Heline.)
- Helland, Leonard. (See Nordby, J. E., and Helland.)
- Helle, Carl, assignor to Elektrische Löt- und Schweiss-Gesellschaft mit beschränkter Haftung, Brunswick, Germany. Apparatus and method for applying strips of solder to sheet metal. 1,948,379; Feb. 20.
- Helle, Johannes O. F. (See Tryon, R. W., and Helle.)
- Hellenbroich, Wilhelm J., Zurich, Switzerland. Method and apparatus for the manufacture of disk ribbed pipes. 1,975,422; Oct. 2.
- Heller, Edgar W., Newark, N. J. Centrifugal pump bearing. 1,946,439; Feb. 6.
- Heller, Edward. (See Bohnsack, J. A., and Heller.)
- Heller, Ernst, Nürtingen, Germany. Machine tool feeding means. 1,972,560; Sept. 4.
- Heller, Frank E., et al. (See Kelly, Bernard D., assignor.)
- Heller, Hugo, Chicago, Ill. Cleaning device. 1,973,708; Sept. 18.
- Heller, Hugo, sr., Chicago, Ill., assignor to Milprint Products Corporation, Milwaukee, Wis. Treating fabrics or clothes during laundering operations and apparatus therefor. 1,981,954; Nov. 27.
- Heller, Max, Charlottenburg, Germany. Method of and apparatus for generating water gas from pulverized fuel. 1,963,167; June 19.
- Heller, Max T., assignor to Milprint Products Company, Milwaukee, Wis. Package and container. 1,955,851; Apr. 24.
- Heller, Milton L., New York, N. Y. Garment band. 1,943,729; Jan. 16.
- Heller, Paul E., Newark, N. J. Golf club. 1,953,604; Apr. 3.
- Heller, William, New York, N. Y., assignor to Fairy Silk Mills, Shillington, Pa. Textile fabric. Des. 91,878; Apr. 3.
- Hellmann, Claude B., Ruxton, and J. C. Fisher and A. J. Lomas, Baltimore, Md. Dual lighting fixture. 1,957,139; May 1.
- Hellmann, Jay T., Boston, Mass. Cooking utensil. 1,970,454; Aug. 14.
- Hellmann, Louis E., Great Neck, assignor to Continental Ceramics Corporation, New York, N. Y. Casserole, bowl, or similar article. Des. 91,623; Feb. 27.
- Hellmann, Louis E., Great Neck, assignor to Continental Ceramics Corporation, New York, N. Y. Dish or similar article. Des. 91,624; Feb. 27.
- Hellmann, Louis E., Great Neck, assignor to Continental Ceramics Corporation, New York, N. Y. Pitcher or similar article. Des. 91,625; Feb. 27.
- Hellmers, Heinrich A., Kiel, Germany. Producing wall papers from peeled wood veneers. 1,945,686; Feb. 6.
- Hellmers, Henry D., Westend, assignor to West End Chemical Company, Oakland, Calif. Purification of sodium carbonate. 1,984,342; Dec. 11.
- Hellmuth, Fritz, Berlin-Karlsborst, Germany. Temperature regulating device for beds or bedrooms. 1,979,467; Nov. 6.
- Hellmuth, George T., et al. (See Huttleston, Clifford, assignor.)
- Hellner, Karl G., assignor of one-half to A. G. Johansson, Nalden, Sweden. Disbarking machine. 1,974,493; Sept. 25.
- Hellstrom, Alice, administratrix. (See Hellstrom, Eric H.)
- Hellstrom, Eric H., deceased, St. Paul, Ind., Alice Hellstrom, administratrix. Stone-channeling machine. 1,980,135; Nov. 6.
- Hellstrom, Gustaf L. M., Montreal, Quebec, Canada. Making chemical pulp and apparatus therefor. 1,954,625; Apr. 10.
- Helthaler, Theodor. (See Pungs, W., Jahrstorfer, and Helthaler.)
- Helthaler, Theodor, Granschütz, and E. Peter, Webau, assignors to the Firm A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle, Germany. Oxidizing hydrocarbons. 1,947,989; Feb. 20.
- Hellum, Henry E., and J. P. Glish, St. Paul, Minn.; said Glish assignor to said Hellum. Golf driving mechanism. 1,973,207; Sept. 11.
- Hellwig, Carl, Cali, Colombia. Package and article handling implement. 1,979,618; Nov. 6.
- Hellyer, Clement D., deceased, Los Angeles, Calif., F. E. Hellyer, administratrix. Milling tool. 1,954,241; Apr. 10.
- Hellyer, Fannie E., administratrix. (See Hellyer, Clement D.)
- Helm, Charles J., assignor to O. E. Thompson & Sons, Ypsilanti, Mich. Distributor. 1,957,594; May 8.
- Helm, Charles J., assignor to O. E. Thompson & Sons, Ypsilanti, Mich. Distributor. 1,976,725; Oct. 16.
- Helmer, Daniel, assignor to The Donley Brothers Company, Cleveland, Ohio. Metal window sash hanger. 1,959,287; May 15.
- Helmers, Nick F. (See Clements, M. F., and Helmers.)
- Helmholtz, Karl J., Chicago, Ill. Electric lantern. 1,964,466; June 26.
- Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,962,194; June 12.
- Heltzel, Francis O., Youngstown, Ohio. Guard rail. 1,968,294; July 31.
- Heltzel, John N., Warren, Ohio. Road form. 1,944,511; Jan. 23.
- Heltzel, John N., Warren, Ohio. Machine for and producing joints or traffic lines in concrete. 1,946,972; Feb. 13.
- Heltzel, John N., Warren, Ohio. Road form. 1,948,213; Feb. 20.
- Heltzel, John N., Warren, Ohio. Joint installing machine. 1,950,673; Mar. 13.
- Heltzel, John N., Warren, Ohio. Combination joint and traffic line installing machine. 1,956,680; May 1.

- Heltzel, John N., Warren, Ohio. Road joint machine. 1,956,681; May 1.
- Heltzel, John N., Warren, Ohio. Building roads. 1,963,088; June 19.
- Heltzel, John N., Warren, Ohio. Road joint installer. 1,963,700; June 19.
- Heltzel, John N., Warren, Ohio. Small road joint machine. 1,969,884; Aug. 14.
- Heltzel, John N., Warren, Ohio. Road joint machine. 1,974,240; Sept. 18.
- Heltzel, John N., Warren, Ohio. Method of and apparatus for building roads. 1,977,850; Oct. 23.
- Heltzel, John N., Warren, Ohio. Road building machine. 1,980,523; Nov. 13.
- Heltzel, John N., Warren, Ohio. Road building machine. 1,982,387; Nov. 27.
- Heltzel, Joseph W., Warren, Ohio. Road joints and producing same. 1,953,826; Apr. 3.
- Helwege, Walter R., assignor to Taylor Freezer Corporation, Beloit, Wis. Ice cream freezer construction. 1,942,696; Jan. 9.
- Helwig, Edward L., and G. M. Wiedeman, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of lactones. 1,972,340; Sept. 4.
- Hem, Halvor W., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,941,834; Jan. 2.
- Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,954,205; Apr. 10.
- Hemenway, Augustus, et al. (See Hayden, Arthur C., assignor.)
- Hemenway, Charles R., Oklahoma City, Okla. Gas making device. 1,943,311; Jan. 16.
- Hemingway, Wilson, jr., Philadelphia, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Automobile lock. 1,972,300; Sept. 4.
- Hemingway, Wilson, jr., and J. B. Lockwood, Philadelphia, Pa. Circuit closer for the signaling systems for automobiles. 1,958,853; May 15.
- Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-stripper foot for sewing machines. 1,981,837; Nov. 20.
- Hemman, Nelson, San Diego, Calif. Dispensing receptacle. 1,962,562; June 12.
- Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Full fashioned stocking and producing the same. 1,970,935; Aug. 21.
- Hemphill Company. (See Gagné, Augustin, assignor.)
- Hemphill Company. (See Jones, Frank E., assignor.)
- Hemphill Company. (See Lawson, Robert H., assignor.)
- Hemphill Company. (See Smith, William L., jr., assignor.)
- Hemphill, Robert G., Barberton, Ohio. Fountain shaving brush. 1,945,938; Feb. 6.
- Hempstead, Ralph C., and J. W. Marshall, Milwaukee, Wis. Apparatus for molding cast wheels. 1,943,434; Jan. 16.
- Hemstreet, David A., and J. W. Bell, Marysville, Calif. Road building machine. 1,979,619; Nov. 6.
- Hemstreet, Steven W., assignor to General Spring Bumper Corporation, Detroit, Mich. Making a vehicle bumper bar. 1,959,027; May 15.
- Henap, Michael, New York, N. Y. Hydraulic spoke wheel. 1,979,935; Nov. 6.
- Hench, Jay L., assignor to Mid-West Forging Company, Chicago, Ill. Self-driving post. 1,943,018; Jan. 9.
- Henckel, Paul. (See Stephen, J., and Henckel.)
- Henckell, Peter, Hamburg, Germany. Combined heating arrangement, especially for baking ovens and for producing steam. 1,962,016; June 5.
- Hendersen, Otto A., Racine, Wis. Practice golf ball device. 1,982,808; Dec. 4.
- Henderson, Albert, assignor to one-fourth to E. H. Wicks, Pittsburgh, Pa. Plank construction system. 1,955,584; Apr. 17.
- Henderson, Albert, assignor to one-fourth to E. H. Wicks, Pittsburgh, Pa. Building unit. 1,968,393; July 31.
- Henderson, Alexander, Detroit, Mich., assignor to The American Brass Company, Waterbury, Conn. Anode. 1,973,345; Sept. 11.
- Henderson, Alexander S., Aberdeen, Scotland. Apparatus for treating cinematograph films. 1,979,106; Oct. 30.
- Henderson, Chester E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass grinding apparatus. 1,955,128; Apr. 17.
- Henderson, Clark T., Burlingame, Calif. Walnut bleaching. 1,965,701; July 10.
- Henderson, Clark T., Burlingame, and C. C. Kennedy, Los Gatos, Calif. Treating sewage. 1,973,168; Sept. 11.
- Henderson, Edith M. R., Woodhaven, N. Y. Stocking. 1,965,314; July 8.
- Henderson, Fred E., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Core and making cores. 1,959,426; May 22.
- Henderson, Herbert V., Franklin Village, Mich. Medallion holder. Des. 92,350; May 29.
- Henderson, Herbert V., Franklin Village, assignor to Chrysler Corporation, Detroit, Mich. Automobile ornament. Des. 91,657; Mar. 6.
- Henderson, Herbert V., Franklin Village, assignor to Chrysler Corporation, Detroit, Mich. Automobile ornament. Des. 91,879; Apr. 3.
- Henderson, Herbert V., Franklin Village, assignor to Chrysler Corporation, Detroit, Mich. Automobile ornament. Des. 92,505; July 17.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile ornament. Des. 93,477; Oct. 2.
- Henderson, Hurley N., assignor of one-half to Peter Ballas, Quincy, Ill. Expansion joint. 1,948,916; Feb. 27.
- Henderson, James B., Blackheath, London, England. Gun sight. 1,978,944; Oct. 30.
- Henderson, James B., and A. L. Perham, London, England. Apparatus for sighting and controlling guns. 1,979,155; Oct. 30.
- Henderson, Ken L., assignor to United American Bosch Corporation, Springfield, Mass. Combined casing and support. 1,944,687; Jan. 23.
- Henderson, Kenneth M. (See Duncan, J. K., and Henderson.)
- Henderson, Kenneth M., Winnetka, assignor to Ditto, Incorporated, Chicago, Ill. Fastening gelatinized bands. 1,982,807; Dec. 4.
- Henderson, Ray M., Houston, Tex. Cabinet door. 1,963,089; June 19.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Burial vault. Des. 93,103; Aug. 21.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Burial casket. Des. 93,271; Sept. 11.
- Henderson, William A., London, and H. C. Arnold, Waterloo, near Liverpool, England. Sound reproducing apparatus. 1,951,931; Mar. 20.
- Henderson, William F., and L. J. Dixon, Chicago, Ill., assignors to The Visking Corporation. Colored sheet material and producing it. 1,959,980; May 22.
- Henderson, William F., and A. Davis, assignors to The Visking Corporation, Chicago, Ill. Testing apparatus. 1,978,134; Oct. 23.
- Henderson, William M., Clifton, Idaho. Cutter bar guard. 1,944,644; Jan. 23.
- Henderson, William N. (See Mohler, D. D., and Henderson.)
- Henderson, William S., and W. Roe, assignors to The Falk Corporation, Milwaukee, Wis. Lubrication system. 1,971,781; Aug. 28.
- Hendy Machine Company, The. (See Bouillon, Constant, assignor.)
- Hendy Machine Company, The. (See Llewellyn, Ernest R., assignor.)
- Hendy Machine Company. (See Llewellyn, E. R., and Higgins, assignors.)
- Hendler, Lionel M. (See Cover, Harry C., assignor.)
- Hendley Machine Company. (See Walker, William A., assignor.)
- Hendrich, Louis, Valparaiso, Ind. Container for the display of eggs. Des. 93,478; Oct. 2.
- Hendrick, Arnott S., and W. E. Tait, Lexington, Ky. Eye exercising instrument. 1,972,624; Sept. 4.
- Hendrick Manufacturing Company. (See Blackburn, Daniel M., assignor.)
- Hendrick Manufacturing Company. (See Fowler, George W., assignor.)
- Hendricks, Allan B., jr., Pittsfield, Mass. assignor to General Electric Company. Winding clamp for electrical induction apparatus. 1,961,761; June 5.
- Hendricks, Allan B., jr., Pittsfield, Mass., assignor to General Electric Company. Vertical turbo-generator arrangement. 1,969,695; Aug. 7.
- Hendricks, Edward H., Poland, Ohio. Torch for removing defects from billets. 1,958,044; May 8.
- Hendricks, Nathan V., Morenci, Mich. Tank heater. 1,962,657; June 12.
- Hendricks, Nathan V., Morenci, Mich. Distributor head for distributor tanks. 1,971,262; Aug. 21.
- Hendrickson, Clark V., Brooklyn, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Boiler wall. 1,971,312; Aug. 21.
- Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Builder motion for spinning frames. 1,984,642; Dec. 18.
- Hendrickson, Harry. (See Ballwanz, P. A., Hendrickson, and Jesse.)
- Hendrickson, James M., McKeesport, Pa. Aeroplane flight control. Re19,233; July 10.
- Hendrickson, James M., McKeesport, Pa. Electrical switch. Re19,234; July 10.
- Hendriks, Henry, W. A. Dean, and T. W. Campbell, Toronto, Ontario, Canada, assignors to William A. Dean, trustee. Pump for refrigerating devices. 1,963,993; June 26.
- Hendrikx, William, Ulster Park, assignor to William De Muth & Company, New York, N. Y. Tobacco pipe. 1,952,862; Mar. 27.
- Hendrix, Joel H., New Castle, Pa. Window lock structure. 1,970,653; Aug. 21.
- Hendry, William, Santa Barbara, Calif. Portable tire wheel lifting apparatus and the like. 1,964,119; June 26.
- Hendryx, Andrew B., Company, The. (See Hoefler, Herbert G., assignor.)
- Hendryx, Andrew B., Company, The. (See Meindl, Frank V., assignor.)
- Hendryx, Andrew B., Company. (See Oliver, Robert S., assignor.)

- Hendryx, Andrew B., Company, The. (See Oliver, R. S., and Meindl, assignors.)
- Hendy, Harold R., Los Angeles, Calif. Container. Des. 92,131; May 1.
- Henes, Alfred A., et al. (See Henes, John E., assignor.)
- Henes, John E., assignor to A. A. and J. E. Henes, trustees, doing business as Henes & Keller Company, Menominee, Mich. Combination filler head and siruper. 1,953,605; Apr. 3.
- Henes & Keller Company. (See Henes, John E.)
- Hengst, Edward W., Willoughby, Ohio. Electric switch. 1,961,419; June 5.
- Hengstebeck, Franz. (See Weber, J., and Hengstebeck.)
- Hengstenberg, Friedrich W. O., Essen, Germany, assignor to The Nitralloy Corporation. Hardening iron, steel, and cast iron alloys by nitriding. 1,958,575; May 15.
- Hengstenberg, Otto, Essen, Germany, assignor, by mesne assignments, to The Nitralloy Corporation. Hardening iron, steel, and cast iron alloys by nitriding. 1,970,141; Aug. 14.
- Henke, Clyde O. (See Gubelmann, L., and Henke.)
- Henke, Clyde O. (See Weiland, H. J., Henke, and Etzel.)
- Henke, Clyde O. (See Weiland, H. J., Henke, and Prahl.)
- Henke, Frederick W., Jr., assignor to Fox Automotive Products Corporation, Philadelphia, Pa. Locking means for spare vehicle wheels and the tires thereof. 1,944,512; Jan. 23.
- Henkel, Adolph A., Ravinia, assignor, by mesne assignments, to Farles Manufacturing Company, Decatur, Ill. Electric fixture. 1,952,314; Mar. 27.
- Henkel, Adolph A., Ravinia, and A. F. Wiedenhoef, Chicago, assignors to Farles Manufacturing Company, Decatur, Ill. Lighting fixture. 1,952,315; Mar. 27.
- Henkel & Cie, Gesellschaft mit beschränkter Haftung. (See Elbel, Eberhard, assignor.)
- Henkel & Cie Gesellschaft mit beschränkter Haftung, The firm. (See Kaser, W. J., and Kirstahler, assignors.)
- Henkel, Erich, Calumet City, Ill., assignor to The Superheater Company, New York, N. Y. Injector. 1,975,509; Oct. 2.
- Henkel, Paul H., Erie, assignor to Continental Rubber Works, Erie, Pa. Bag and forming same. 1,956,287; Apr. 24.
- Henkel, Paul H., assignor to Continental Rubber Works, Erie, Pa. 1,984,927; Dec. 18.
- Henkel, Paul H., assignor to Continental Rubber Works, Erie, Pa. Forming rubber bags. 1,984,928; Dec. 18.
- Henkes, Peter M. (See Gorton, G., and Henkes.)
- Henne, Franz, and H. Kracker, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aroylene-bis-acetic acid-arylates. 1,971,409; Aug. 28.
- Henley's, W. T., Telegraph Works Company Limited. (See Dunsheath, Percy, assignor.)
- Henley's, W. T., Telegraph Works Company Limited. (See Nichols, William H., assignor.)
- Henne, Albert L. (See Midgley, T., jr., Henne, and McNary.)
- Henne, Albert L., Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation. Manufacture of fluoro-halo derivatives of hexachloroethane. 1,970,562; Aug. 21.
- Henne, Albert L., Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation. Fluorination of aliphatic compounds. 1,973,069; Sept. 11.
- Henne, Albert L., Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation. Manufacturing halo-fluoro hydrocarbons. 1,978,840; Oct. 30.
- Henne, Albert L., Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation. Manufacture of pentavalent antimony compounds. 1,984,480; Dec. 18.
- Henneberger, Thomas C., Caldwell, N. J., assignor to American Telephone and Telegraph Company. Locating cable sheath defects. 1,985,348; Dec. 25.
- Henneböhle, Frank, Chicago, Ill. Strainer. 1,950,983; Mar. 13.
- Henneböhle, Frank, Chicago, Ill. Reciprocating motion engine stop. 1,960,874; May 29.
- Henneböhle, Frank, Chicago, Ill. Balanced plug-type throttle valve. 1,970,888; Aug. 21.
- Hennen, Aloysius M., Spokane, Wash. Closure for collapsible tubes. 1,951,610; Mar. 20.
- Hennessey, Stephen W., and F. W. Kartscheske, Greenfield, Mass.; said Kartscheske assignor to said Hennessey. Advertising sign. 1,953,756; Apr. 3.
- Hennessey, Vincent D., Milwaukee, Wis. Mixing valve. 1,943,865; Jan. 16.
- Hennessey, Daniel E., Miami, assignor to Curtiss Aerocar Company, Inc., Coral Gables, Fla. Semitrailer. 1,982,052; Nov. 27.
- Hennessey, James J., New York, N. Y. Locomotive driver box. 1,942,963; Jan. 9.
- Hennessey, James J., New York, N. Y. Railway journal lubricator. 1,948,297; Feb. 20.
- Hennessey, James J., New York, N. Y. Railway journal lubricator. 1,961,664; June 5.
- Hennessey, Mark M. (See Basch, D., and Hennessey.)
- Henney, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,985,252; Dec. 25.
- Henney, Grover R., and C. T. Walter, assignors to Swift and Company, Chicago, Ill. Preparation of frozen meat and the like. 1,943,019; Jan. 9.
- Henney Motor Company. (See Van Deest, Henry, assignor.)
- Hennicke, Carl R., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio. Door operating mechanism. 1,957,710; May 8.
- Hennicke, William. (See Wietzel, G., Haller, and Hennicke.)
- Hennig, Charles T., Cleveland, Ohio. Desulphurizing and purifying iron. 1,963,269; June 19.
- Hennig, Fred, assignor to Pittsburgh Taximeter Company, Pittsburgh, Pa. Drive mechanism for taximeters. 1,947,937; Feb. 20.
- Henning, Bruno W., San Francisco, Calif. Apparatus for forming pipe. 1,959,673; May 22.
- Henning, Frederick C., Chicago, Ill. Artificial hand. 1,981,698; Nov. 20.
- Henning, Harvey S., et al. (See Christopher, Benjamin H., jr., assignor.)
- Henning, Henry Y. (See Nelson, D. J., and Henning.)
- Henning, John A., San Jose, Calif. Sign construction. 1,973,983; Sept. 18.
- Henning, Leslie G., and J. Rein, assignors to The H & R Sales Company, Cleveland, Ohio. Insect trap. 1,980,754; Nov. 13.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Surface switch. 1,942,697; Jan. 9.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Float switch with auxiliary circuit control. 1,942,698; Jan. 9.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Three-position switch and reset. 1,942,699; Jan. 9.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch structure. 1,942,700; Jan. 9.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Pressure tube and hand switch. 1,948,175; Feb. 20.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Humidostat. 1,956,795; May 1.
- Henning, Malcolm E., assignor to Penn Electric Switch Company, Des Moines, Iowa. Humidostat. 1,962,505; June 12.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Burner and ignition controller with purging period. 1,962,506; June 12.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Operation modifying means for a control structure. 1,966,720; July 17.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch contact arc extinguishing means. 1,973,252; Sept. 11.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch structure. 1,973,253; Sept. 11.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch structure. 1,973,254; Sept. 11.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Defroster switch. 1,980,524; Nov. 13.
- Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Burner and ignition controller with shut-down. 1,980,525; Nov. 13.
- Henning, W. H., et al. (See Best, Seward, assignor.)
- Henning, Walter S., et al. (See Christopher, Benjamin H., jr., assignor.)
- Henninger, Albert B., Berlin-Halensee, Germany. Self-supporting car body made of sheet metal. 1,983,497; Dec. 4.
- Henninger, Andrew F., jr., Chicago, Ill. Flashing negative glow display device. 1,960,245; May 29.
- Henninger, Ludwig, assignor to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebald und Sebald & Neff, Durlach, Germany. Match making machine. 1,953,481; Apr. 3.
- Henninger, Ludwig, assignor to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebald und Sebald & Neff, Durlach, Germany. Dipping apparatus for match making machines. 1,954,315; Apr. 10.
- Henningfield, Ralph, Burlington, Wis. Faucet. 1,958,002; May 8.
- Hennings, Oscar, Montclair, N. J. Filter. 1,941,895; Jan. 2.
- Henny, Christiaan H., et al. (See Douw, Jacobus C., assignor.)
- Henny, Max A., et al. (See Douw, Jacobus C., assignor.)
- Henrard, Fernand, Brussels, assignor to Ecremeuses Melotte, Societe Anonyme, Remicourt, Belgium. Lubricating device. 1,944,837; Jan. 23.
- Henri, Robert, and F. H. Akins, Detroit, Mich. Moving picture machine safety device. 1,955,184; Apr. 17.
- Henriksen, Alfred. (See Lincoln, B. H., and Henriksen.)
- Henriksen, Alfred, and B. H. Lincoln, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 1,959,054; May 15.
- Henriod, Charles E., Areuse, Switzerland. Power transmission mechanism. 1,979,742; Nov. 6.
- Henriot, Floyd E., Klamath Falls, Ore. Closure for bags. 1,973,255; Sept. 11.
- Henrite Products Corporation. (See Henry, Ralph L., assignor.)
- Henry, Albert R. (See Wills, M. C., and Henry.)
- Henry, Arthie. (See Louvier, A., and Henry.)

- Henry, Arthur H., Philadelphia, Pa. Confection wagon. Des. 94,028; Dec. 11.
- Henry, Arthur M., Haddonfield, N. J., assignor to The Government and People of the United States of America. Removal of residual poisons from fruits and vegetables. 1,967,176; July 17.
- Henry, Arthur M., Haddonfield, N. J., assignor to the Government and People of the United States of America. Removal of residual poisons from fruits and vegetables. 1,975,361; Oct. 2.
- Henry, Augustus M., Brooklyn, N. Y. Edible article. 1,942,423; Jan. 9.
- Henry, Donald E. (See Rentschler, H. C. and Henry.)
- Henry, Emil F., La Salle, assignor to Western Clock Company, Peru, Ill. Indicator for electrically driven instruments and clocks. 1,956,028; Apr. 24.
- Henry, Erwin W. (See Nelson, M. A., and Henry.)
- Henry, Ferdinand G., Moline, Ill. Self-cleaning continuous filter. 1,966,626; July 17.
- Henry, Georges L., assignor to the firm Autorem S. A., Geneva, Switzerland. Winding mechanism for time-piece driving springs. 1,973,898; Sept. 18.
- Henry, Harry H., assignor to Monark Battery Company, Inc., Chicago, Ill. Battery terminal. 1,947,158; Feb. 13.
- Henry, Harry H., Chicago, and R. Millenaar, Oak Park, assignors to Monark Battery Company, Inc., Chicago, Ill. Grid-forming mechanism. 1,951,932; Mar. 20.
- Henry, Harry N., assignor to The Kelley-Koett Manufacturing Company Incorporated, Covington, Ky. X-ray control cabinet. Des. 91,823; Mar. 27.
- Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Electric light and wave apparatus and treatment of hydrocarbons. 1,961,358; June 5.
- Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Heat treatment of petroleum oil vapor and other hydrocarbonaceous starting material. 1,983,027; Dec. 4.
- Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Oil cracking apparatus. 1,983,028; Dec. 4.
- Henry, Ira W., Greenwich, Conn., assignor to Ionizing Corporation of America, New York, N. Y. Oil heating apparatus. 1,983,029; Dec. 4.
- Henry, Irving J. (See Read, Arthur E., assignor.)
- Henry, James N. (See Smith, George H., assignor.)
- Henry, John B., Aspinwall, Pa. Blast-furnace apparatus. 1,962,593; June 12.
- Henry, Kenneth M., and B. A. Noble, San Francisco, Calif., assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Apparatus for automatically controlling the weight of glass articles made by the gob feed automatic machine process. 1,941,552; Jan. 2.
- Henry, Ralph L., Detroit, Mich., assignor to Henrite Products Corporation, Ironton, Ohio. Brush and holder therefor. 1,970,604; Aug. 21.
- Henry, Walter V., Norfolk, Va. Carpenter's tool. 1,977,878; Oct. 23.
- Henry, William C. (See Tuttle, C. M. and Henry.)
- Henry, William P., assignor of two-thirds to B. M. Dunbar and one-third to A. C. Bowen, Flushing, N. Y. Multiple die assembly for forming bottle caps. 1,975,150; Oct. 2.
- Henry, William S., Cold Water, assignor to General Railway Signal Company, Rochester, N. Y. Interlocking systems for railroads. 1,961,854; June 5.
- Henry, William S., Cold Water, and S. J. Mackey, assignors to General Railway Signal Company, Rochester, N. Y. Highway crossing signal system. 1,969,075; Aug. 7.
- Henry & Wright Manufacturing Company, The. (See Sherman, Cortis F., assignor.)
- Henry & Wright Manufacturing Company, The. (See Simmons, F. K., and Sherman, assignors.)
- Henshaw, Charles R. (See Choate, M. F. S., Coffey, and Henshaw.)
- Hensler, Frederick W., Indianapolis, Ind. Air conditioning apparatus. 1,966,034; July 10.
- Hensley, Charles G., receiver. (See Newmann, John, assignor.)
- Henson, Lawrence M. (See Riebel, F., Jr., Dow, and Henson.)
- Henson, Smith E., Oklahoma City, Okla., assignor of one-third to C. L. Zeller and one-third to A. P. Petway. Gas burner. 1,968,395; July 31.
- Henter, Mathias, Milwaukee, Wis. Internal combustion engine. 1,972,589; Sept. 4.
- Hentrich, Winfrid. (See Ott, K., Hentrich and Keppler.)
- Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and J. Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulfamino-phenyl methyl-pyrazolones. 1,982,163; Nov. 27.
- Hentschel, Ernest R., deceased, Washington, D. C., John Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Power supply system for electron tube systems. 1,942,551; Jan. 9.
- Hentschel, Ernest R., deceased, Washington, D. C., J. Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Shielding system. 1,942,596; Jan. 9.
- Hentschel, Ernest R., deceased, Washington, D. C.; John Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Volume control system. 1,950,144; Mar. 6.
- Hentschel, Ernest R., deceased, Washington, D. C., John Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Volume control system. 1,950,145; Mar. 6.
- Hentschel, Ernest R., deceased, Washington, D. C., by J. Olson, administrator of said Hentschel, assignor to Wired Radio, Inc., New York, N. Y. Volume control system. 1,958,998; May 15.
- Hentschel, Ernest R., deceased, by J. Olson, Springfield, Mo., administrator, assignor to Wired Radio, Inc., New York, N. Y. Volume control system. 1,958,999; May 15.
- Hentschel, William H., Muskegon Heights, assignor to Clarke Sanding Machine Company, Muskegon, Mich. Hand scraper. 1,964,947; July 3.
- Henwood, Lloyd S., Merchantville, N. J., assignor to C. Howard Hunt Pen Company, Wilmington, Del. Producing pens. 1,969,794; Aug. 14.
- Henwood, Wilson C., assignor of one-half to G. F. Atwood, Portland, Oreg. Eraser attachment for pencils and the like. 1,976,667; Oct. 9.
- Henze, Joseph J., Detroit, Mich. Shipping crate. 1,968,207; July 31.
- Henze, Otto, Philadelphia, Pa. Fishing reel. 1,952,756; Mar. 27.
- Heppern, Charles J. (See Sadtler, Samuel S., assignor.)
- Hepper, Fritz J., Potsdam, Germany. Photographic developer. 1,949,911; Mar. 6.
- Hepp, William, assignor to The Palm Bros. Decalcomania Company, Cincinnati, Ohio. Decalcomania. 1,968,394; July 31.
- Heppenstall Company. (See Heppenstall, Samuel B., assignor.)
- Heppenstall Company. (See Heppenstall, Samuel B., Jr., assignor.)
- Heppenstall, Samuel B., Jr., assignor to Heppenstall Company, Pittsburgh, Pa. Safety razor. 1,955,460; Apr. 17.
- Heppenstall, Samuel B., assignor to Heppenstall Company, Pittsburgh, Pa. Forging ram and rod connection. 1,958,621; May 15.
- Heppenstall, Thomas E., Longview, Wash. Dove tail spring joint. 1,954,242; Apr. 10.
- Hepperle, Heinrich, Mulheim-on-the-Ruhr-Speldorf, Germany. Stamper and hammer for foundries. 1,977,851; Oct. 23.
- Hepperlen, John A., East Orange, N. J., assignor to General Electric Company. Control system. 1,946,281; Feb. 6.
- Hepperlen, John A., East Orange, N. J., assignor to General Electric Company. Control system. 1,975,577; Oct. 2.
- Heppes, George P., assignor to The Tile-Tex Company, Chicago Heights, Ill. Cooling composition tile. 1,942,060; Jan. 2.
- Hepworth, Harry, Cheam, and F. D. Leicester, St. Helens, England, assignors to Imperial Chemical Industries Limited. Manufacture of acetic anhydride. 1,983,541; Dec. 11.
- Heraeus, W. C., G. m. b. H., firm. (See Feussner, Otto, assignor.)
- Herauld, Albert H. (See Roddie, A., Herauld, Hudeley, and Lagrave.)
- Herbelin, Francis J. (See Voigt, A. P. J., Morhan, and Herbelin.)
- Herbert, Alfred, Limited. (See Harrison, Herbert T., assignor.)
- Herbert, Harold, New York, N. Y. Spark plug tester. 1,973,870; Sept. 18.
- Herberts Machinery Company Ltd. (See Merrigan, William J., assignor.)
- Herbst, Thomas R., Jr., assignor to Consolidated Expanded Metal Companies, Wheeling, W. Va. Manufacturing bundles of lathers' hairpins. 1,952,803; Mar. 27.
- Herbst, Thomas R., Jr., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Lathing. 1,976,395; Oct. 9.
- Herbold, Robert J., Oak Creek, Colo. Illuminated mirror. 1,968,342; July 31.
- Herbolsheimer, Emil L., assignor to The Defiance Pressed Steel Company, Defiance, Ohio. Bottle crate. 1,968,295; July 31.
- Herbolsheimer, Emil L., assignor to The Defiance Pressed Steel Company, Defiance, Ohio. Shipping case. 1,973,760; Sept. 18.
- Herbruck, Wendell. (See Howald, Melville, assignor.)
- Herbsman, Abraham M. (See Campbell, Rodney B., assignor.)
- Herbsman, Abraham M., Huntington Park, assignor to Industrial Patents, Ltd., Los Angeles, Calif. Treating water-in-oil emulsions. 1,959,824; May 22.
- Herbsman, Abraham M., Huntington Park, assignor to Industrial Patents, Ltd., Los Angeles, Calif. Treating petroleum emulsions. 1,963,406; June 19.
- Herbst, Clarence A., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Cold molded article and producing same. 1,966,094; July 10.
- Herbst, Clarence A., Park Ridge, and J. D. Endriz, Berwyn, assignors to Economy Fuse & Manufacturing Company, Chicago, Ill. Composition of matter adapted for cold molding, molded products produced therefrom, and making same. 1,982,809; Dec. 4.
- Herbst, Clifford G., Waterbury, Conn., assignor to Hoge Manufacturing Company, Inc., New York, N. Y. Electric system for toy vehicles. 1,952,027; Mar. 20.

- Herbst, Clifford G., Waterbury, Conn., assignor, by direct and mesne assignments, of one-half to Hoge Manufacturing Company and one-half to Louis Marx & Co. Inc., New York, N. Y. Toy automobile. 1,962,870; June 12.
- Herbst, Fred, jr. (See Herbst, Fred and F., jr.)
- Herbst, Fred and F., jr., Chicago, Ill. Cage wall structure. 1,961,359; June 5.
- Herbster, George. (See Hausler, F. G., and Herbster.)
- Herbster, George, assignor to The Cleveland Cooperative Store Company, Cleveland, Ohio. Gas igniting and burning device. 1,982,101; Nov. 27.
- Hercher, Leroy E., St. Louis, Mo. Variable speed transmission mechanism. 1,983,852; Dec. 11.
- Herchert, Raymond L., St. Louis, Mo. Remote control radio receiver system. 1,955,676; Apr. 17.
- Hercules Gas-Munitions Corporation. (See von Frantzius, Peter, assignor.)
- Hercules Glue Company. (See Littooy, John F., assignor.)
- Hercules Motors Corporation. (See Balough, Charles, assignor.)
- Hercules Motors Corporation. (See Treiber, Otis D., assignor.)
- Hercules Powder Company. (See Bacchus, Thomas W., assignor.)
- Hercules Powder Company. (See Billing, W. M., and Tinsley, assignors.)
- Hercules Powder Company. (See Borglin, Joseph N., assignor.)
- Hercules Powder Company. (See Butts, Durain C., assignor.)
- Hercules Powder Company. (See Byrkit, Rollin J., jr., assignor.)
- Hercules Powder Company. (See Crater, Willard D., assignor.)
- Hercules Powder Company. (See Hancock, R. S., and Pritchett, assignors.)
- Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
- Hercules Powder Company. (See Johnston, Alan C., assignor.)
- Hercules Powder Company. (See Kennedy, George F., assignor.)
- Hercules Powder Company. (See Kennedy, G. F., and Borglin, assignors.)
- Hercules Powder Company. (See Koch, William, assignor.)
- Hercules Powder Company. (See Lister, Donald A., assignor.)
- Hercules Powder Company. (See Lorand, Eugene J., assignor.)
- Hercules Powder Company. (See Milliken, Mahlon G., assignor.)
- Hercules Powder Company. (See Nash, Henry E., assignor.)
- Hercules Powder Company. (See Peterson, Ernest G., assignor.)
- Hercules Powder Company. (See Piccard, Jean, assignor.)
- Hercules Powder Company. (See Pickett, Oscar A., assignor.)
- Hercules Powder Company. (See Rankin, Lanning P., assignor.)
- Hercules Powder Company. (See Shapleigh, James H., assignor.)
- Hercules Powder Company. (See Smith, Lee T., assignor.)
- Hercules Powder Company. (See Spurlin, Harold M., assignor.)
- Hercules Powder Company. (See Stuart, Joseph, 2d., assignor.)
- Hercules Powder Company. (See Wiggam, David R., assignor.)
- Hercules Powder Company. (See Wiggam, D. R., and Tinsley, assignors.)
- Herdeg, Howard B., Buffalo, N. Y. Specific gravity and electrolyte level indicator for batteries. 1,965,837; July 10.
- Herder, Raymond F., Bloomfield, N. J., assignor to George & Sherrard Paper Co., New York, N. Y. Shipping bag. 1,949,121; Feb. 27.
- Herdman, William J., South Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Television receiver. 1,945,607; Feb. 6.
- Herdman, William J., South Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Magnetostrictive light valve. 1,951,018; Mar. 13.
- Hereng, Alfred J. A., Paris, France. Apparatus for the treatment of fuel. 1,964,877; July 3.
- Hereng, Alfred J. A., Paris, France. Process and apparatus for the low-temperature distillation of solid fuels. 1,964,878; July 3.
- Hérenç, Alfred J. A., Paris, France. Apparatus for the distillation of coal. 1,978,945; Oct. 30.
- Herf Jones Company. (See Foster, Tony E., assignor.)
- Hering, Edward, Beverly, assignor to United States Pipe and Foundry Company, Burlington, N. J. Roofing plate. 1,968,451; July 31.
- Hering, Edward, Beverly, assignor to United States Pipe and Foundry Company, Burlington, N. J. Roofing structure. 1,968,452; July 31.
- Hering, George, Larchmont, N. Y. Ore separator. 1,983,457; Dec. 4.
- Herman, Abraham, Los Angeles, Calif. Reglet and counter flashing. 1,958,622; May 15.
- Herman, Adolph E., Kansas City, Mo. Holder for towels and the like. 1,944,343; Jan. 23.
- Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Transmission level control in telegraph signaling systems. 1,943,478; Jan. 16.
- Herman, Joseph L., Peoria, assignor, by mesne assignments, to The National City Bank of Cleveland, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustees. Machine for copper coating wire. 1,961,149; June 5.
- Herman, Kenneth R., Pleasant Ridge, assignor, by mesne assignments, to Continental-Divco Company, Detroit, Mich. Delivery vehicle. 1,957,645; May 8.
- Herman, Kenneth R., assignor, by mesne assignments, to Continental-Divco Company, Detroit, Mich. Motor delivery vehicle. 1,972,224; Sept. 4.
- Herman, Lewis X., Youngstown, Ohio. Chair device. 1,951,793; Mar. 20.
- Herman Pneumatic Machine Company. (See Ringle, Robert F., assignor.)
- Herman, Sam, Chicago, Ill. Binder. 1,957,959; May 8.
- Herman, William P., Bridgeport, Conn. Fruit juice extractor. 1,956,288; Apr. 24.
- Herman, William P., Bridgeport, Conn. Fruit juice extractor. 1,969,006; Aug. 7.
- Hermanek, Otto R., Minneapolis, Minn. Intermittent grip device. 1,965,238; July 3.
- Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Rip strip container. 1,968,943; Aug. 7.
- Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Metal screw cap. 1,981,414; Nov. 20.
- Hermann, Benjamin R., Pittsfield, Mass., assignor to General Electric Company. Expulsion fuse. 1,962,654; June 12.
- Hermann, Charles E., St. Louis, Mo. Journal. 1,983,130; Dec. 4.
- Hermann, Heinrich, Stuttgart-Wangen, assignor to Leopold Rado, Berlin, Germany. Afixable corner mount for pictures. 1,976,281; Oct. 9.
- Hermann, John F., Havana, Ill. Injection pump for internal combustion engines. 1,955,383; Apr. 17.
- Hermann, John F., Havana, Ill. High pressure injection fuel pump. 1,981,551; Nov. 20.
- Hermann, Karl L., South Bend, Ind. Roller bearing. 1,976,613; Oct. 9.
- Hermann, Louis, Chicago, Ill. Hone. 1,976,070; Oct. 9.
- Hermann, Otto, New York, N. Y. Grinding device. 1,985,606; Dec. 25.
- Hermann, Otto, assignor to Thermo Electric Company, St. Louis, Mo. Thermoelectric element and thermocouple. 1,947,595; Feb. 20.
- Hermann, Peter C., Berlin-Zehlendorf, Germany, assignor to General Electric Company. Apparatus for making magnetic tests and measurements. 1,957,211; May 1.
- Hermann, Theodor. (See Stötter, H., and Hermann.)
- Hermann, V. O., Corporation, The. (See Böttger, E., and Schertz, assignors.)
- Hermann, Volquardt O. (See Hutchinson, Joseph M., assignor.)
- Hermann, Walter, Yonkers, N. Y. Vehicle. 1,958,623; May 15.
- Hermanspann, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radiofrequency short wave receiver. 1,943,730; Jan. 16.
- Hermle, Hermann, Berlin-Lanwitz, Germany, assignor to General Electric Company. Control system. 1,972,683; Sept. 4.
- Hermisdorf-Schomburg-Isolatoren Gesellschaft mit beschränkter Haftung. (See Regerbis, W., and Ziesche, assignors.)
- Hermisdorf, Walter H., assignor, by mesne assignments, to S. H. G. Incorporated, Chicago, Ill. Generating combustible gas. 1,945,550; Feb. 6.
- Hermisdorf, Walter H., assignor to Hump Hairpin Manufacturing Company, Chicago, Ill. Hair waving device. 1,952,709; Mar. 27.
- Hermisdorf, Walter H., assignor, by mesne assignments, to S. H. G. Incorporated, Chicago, Ill. Apparatus for generating combustible gas. 1,960,108; May 22.
- Hernandez, Joseph B., New York, N. Y. Sink stopper. 1,981,358; Nov. 20.
- Hernandez, Paul, assignor of one-third to F. Ciaruna and one-third to V. Ciaruna, Oakland, Calif. Automobile signal arm. 1,968,554; July 31.
- Herndon, James B., jr., D. Hope, and C. W. Steen, Dallas, Tex. Sanitary removable liner for vessels. 1,961,360; June 5.
- Herold, Andrew B., Chicago, Ill. Distributing roll. 1,963,365; June 19.
- Herold, James L., and J. W. Dawson, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Apparatus for cleaning bottles. 1,950,146; Mar. 6.
- Herold, James L., and J. W. Dawson, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Apparatus for cleaning bottles. 1,985,408; Dec. 25.
- Herold, Paul, and W. Baumann, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Desulphurization of gases. 1,984,971; Dec. 18.
- Herold, Walter F., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Mounting for article display purposes. Des. 92,399; June 5.
- Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Cushion support for furniture. 1,969,266; Aug. 7.

- Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Ball-bearing caster. 1,969,557; Aug. 7.
- Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Cushion slide for furniture. 1,982,138; Nov. 27.
- Herold, Walter F., Fairfield, assignor to The Bassick Company, Bridgeport, Conn. Caster mounting socket. 1,982,868; Dec. 4.
- Heron, Bruce O., Toronto, Ontario, Canada. Fire kindler. 1,959,473; May 22.
- Heron, Sam D., Dayton, Ohio. Piston. 1,953,109; Apr. 3.
- Heron, Sam D., Dayton, Ohio, assignor of one-third to G. Charlton, Detroit, Mich., and one-third to R. L. Shumaker, Dayton, Ohio. Spark plug electrode. 1,953,228; Apr. 3.
- Heron, Sam D., Dayton, Ohio, assignor of one-third to G. Charlton, Detroit, Mich., and one-third to R. L. Shumaker, Dayton, Ohio. Spark plug electrode. 1,953,229; Apr. 3.
- Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Bar traveler for spinning machines. 1,955,294; Apr. 17.
- Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring. 1,968,603; July 31.
- Herr, Henry C., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler therefor. 1,955,293; Apr. 17.
- Herr, Henry C., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring. 1,956,326; Apr. 24.
- Herr, James H. (See Gilkeson, A. H., and Herr.)
- Herr Manufacturing Company. (See Herr, Harvey E., assignor.)
- Herr, Park A., Hillside, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loooper-thread controlling mechanism for sewing machines. 1,943,669; Jan. 16.
- Herr, Park A., Hillside, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Book-sewing machine. 1,955,384; Apr. 17.
- Herre, Peter, Berlin-Fichtenau, and E. Mickley, Berlin-Zehlendorf, Germany, assignors to General Electric Company. Apparatus for automatically feeding bulbs. 1,969,511; Aug. 7.
- Herrel, Gertrude, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Textile fabric or similar article. Des. 91,658; Mar. 6.
- Herrel, Gertrude, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Textile fabric or similar article. Des. 91,659; Mar. 6.
- Herrel, Gertrude, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Textile fabric or similar article. Des. 91,880; Apr. 3.
- Herrel, Gertrude, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Textile fabric or similar article. Des. 91,881; Apr. 3.
- Herreshoff, Alexander G., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Seat construction. 1,970,800; Aug. 21.
- Herrick, George. (See Parrish, George L., assignor.)
- Herrick, Roswell H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Program service system. 1,964,153; June 26.
- Herrick, Thomas E., jr. (See Glaenger, H., and Herrick.)
- Herrick, Walter W., Milford, assignor to Riegel Paper Corporation, Riegelsville, N. J. Wrapping paper. 1,946,141; Feb. 6.
- Herrick, William T., Tulsa, Okla. Cap for paste tubes. 1,945,638; Feb. 6.
- Herring, Aitus W., Talladega, Ala., assignor to Draper Corporation, Hopedale, Mass. Bobbin supporter for looms. 1,947,596; Feb. 20.
- Herring, Clinton E., Hunlock Creek, and Herbert S. Parsons, assignors to said Herbert S. Parsons, Nanticoke, Pa. Milk bottle holder. 1,950,303; Mar. 6.
- Herring, Clyde S., Robstown, Tex. Cotton humidifier. 1,954,383; Apr. 10.
- Herring, George E., and F. E. Dean, assignors to Associated Silver Company, Chicago, Ill. Protecting silver, etc. from tarnishing. 1,949,205; Feb. 27.
- Herring-Hall-Marvin Safe Company. (See Millice, Paul S., assignor.)
- Herring, Walter. (See O'Hara, B., and Herring.)
- Herrington, Arthur W., Washington, D. C. Driving mechanism for steering wheels of motor vehicles. 1,981,173; Nov. 20.
- Herrington, Frederick D., Caddo, Tex. Potato slicer. 1,981,451; Nov. 20.
- Herrington, George S., trustee, et al. (See Pratt, Harry F., assignor.)
- Herrlinger, Paul W., assignor to The Gummed Products Company, Troy, Ohio. Gummed paper and tape. 1,978,631; Oct. 30.
- Herrmann, Alice, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Diaphragm for electrodynamic loud speakers. 1,971,452; Aug. 28.
- Herrmann, Conrad, Wuppertal-Elberfeld, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Treating apparatus. 1,943,072; Jan. 9.
- Herrmann, Edmund P., Orange, N. J. Paper container. 1,954,815; Apr. 17.
- Herrmann, Edmund P., Orange, N. J. Paper container. 1,961,559; June 5.
- Herrmann, Edmund P., Orange, N. J. Paper container. 1,961,560; June 5.
- Herrmann, Edmund P., Orange, N. J. Paper container. 1,963,994; June 26.
- Herrmann, Edmund P., Orange, N. J. Paper container. 1,971,071; Aug. 21.
- Herrmann, Karl L., South Bend, Ind. Roller bearing. 1,966,095; July 10.
- Herrmann, Karl L., South Bend, Ind. Roller bearing. 1,971,782; Aug. 28.
- Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Apparatus and method of finishing rollers. 1,946,440; Feb. 6.
- Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Mechanism and method of finishing rollers. 1,946,441; Feb. 6.
- Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Antifriction bearing. 1,951,481; Mar. 20.
- Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Antifriction bearing. 1,956,289; Apr. 24.
- Herrmann, Karl L., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,961,858; June 5.
- Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Antifriction bearing. 1,963,407; June 19.
- Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Antifriction bearing. 1,970,699; Aug. 21.
- Herrmann, Otto, Wiesbaden, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Coating and the product resulting therefrom. 1,979,936; Nov. 6.
- Herrmann, Robert, New York, N. Y. Portable receptacle. 1,980,683; Nov. 13.
- Herrmann, Robert, assignor to Heinrich, Herrmann & Weiss, New York, N. Y. Portable receptacle. 1,962,594; June 12.
- Herrmann, Walter. (See Streitwolf, K., Fehrle, Fritzsch, and Herrmann.)
- Herrmann, Walter. (See Streitwolf, K., Fehrle, Herrmann, and Fritzsch.)
- Herrmann, Willy O. (See Eibner, A., Herrmann, Haehnel, and Miller.)
- Herrmann, Willy O., assignor, by mesne assignments, to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany. Sound record and preparing same. 1,983,030; Dec. 4.
- Herrmann, Willy O., and W. Haehnel, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Germany. Paste of polymerized vinyl esters. 1,962,930; June 12.
- Herrmann, Willy O., and W. Haehnel, assignors, by mesne assignments, to Chemische Forschungsgesellschaft m. b. H., Munich, Germany. Resinlike mass and making same. 1,976,224; Oct. 9.
- Herrmann, Willy O., and W. Haehnel, assignors, by mesne assignments, to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany. Vinyl ester lacquer. 1,984,678; Dec. 18.
- Herron, Alexander E., and C. M. Lertzman, Cleveland, Ohio, assignors to A C Spark Plug Company, Flint, Mich. Spark plug. 1,960,309; May 29.
- Herron, Anna L., et al. (See Zimmers, Joseph B., assignor.)
- Herron, James R. (See Mexis, John S., assignor.)
- Herron, Ollie L., et al. (See Zimmers, Joseph B., assignor.)
- Herron-Zimmers Moulding Company. (See Rood, Warren B., assignor.)
- Hersam, Andrew J., West New York, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Tube feeding and stripping device. 1,976,991; Oct. 16.
- Hersam, Conrad O., Detroit, Mich., assignor to The Wicaco Machine Corporation, Philadelphia, Pa. Traverse mechanism for rayon spinning machines. 1,967,934; July 24.
- Herschede Hall Clock Company, The. (See Eberhardt, W., and Herschede, assignors.)
- Herschede, William F. (See Eberhardt, W., and Herschede.)
- Herseus, W. C., Gesellschaft mit beschränkter Haftung. (See Feussner, Otto, assignor.)
- Hersey Manufacturing Company. (See Winton, Henry D., assignor.)
- Hersh, William R., Dayton, Ohio. Traffic signal for automobiles and the like. 1,961,491; June 5.
- Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 1,942,424; Jan. 9.
- Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signal control system. 1,956,351; Apr. 24.
- Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Selective signaling system. 1,960,779; May 29.
- Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 1,960,780; May 29.
- Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Selecting system. 1,960,781; May 29.

- Hershey, Harry E., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Selective code receiver. 1,968,078; July 31.
- Hershey, Harry E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electrical control system. 1,944,688; Jan. 23.
- Hershey, Jacob R., Kinzers, Pa. Nut husking machine. 1,941,939; Jan. 2.
- Hershey, Samuel M., Bala, assignor to A. P. De Sanno, sr., Philadelphia, Pa. Abrasive stick holder. 1,948,266; Feb. 20.
- Hershey, Willard V., Fremont, Ohio. Thread clipper. 1,979,743; Nov. 6.
- Herst, Edward, San Francisco, Calif. Lamp reflector. Des. 93,347; Sept. 18.
- Hertel, Anton, Heidelberg, Germany. Apparatus for punching belt joints. 1,956,443; Apr. 24.
- Hertenstein, Jacob R., assignor to Nashville Machine and Supply Company, Nashville, Tenn. Expansion pulley. 1,943,435; Jan. 16.
- Herter, Charles H., New York, N. Y. Refrigerator for frozen foods. 1,945,687; Feb. 6.
- Herterich, August. (See Eyer, C., and Baetz and Herterich.)
- Herthel, Eugene C. (See Isom, E. W., and Herthel.)
- Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,962,595; June 12.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,981,914; Nov. 27.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,983,664; Dec. 11.
- Hertlein, Hans. (See Neelmeier, W., Carl, and Hertlein.)
- Hertlein, Hans. (See Weinand, K., and Hertlein.)
- Hertz, Louis L., Shaker Heights, Ohio. Selective mechanical pencil. 1,964,154; June 26.
- Hertz, Stanislas, and M. P. Berger, Paris, France. Transmitting gear. 1,968,604; July 31.
- Hertzberg, Harry, New York, N. Y. Oil mop. 1,950,674; Mar. 13.
- Hertzberg, Harry, Brooklyn, N. Y. Massage device. 1,970,233; Aug. 14.
- Hervig, Richard. (See Bush, F. L., Hill, and Hervig.)
- Herwehe, Frederick A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Shearing apparatus. 1,951,411; Mar. 20.
- Herz, Alfred, Chicago, Ill. Thermostatic device. 1,956,067; Apr. 24.
- Herz, Alfred, Chicago, Ill. Photography. 1,974,653; Sept. 25.
- Herz Cup Company. (See Lobel, Paul A., assignor.)
- Herz, Ferdinand B., assignor to Long Manufacturing Company, Detroit, Mich. Auxiliary front for radiators. 1,985,872; Dec. 25.
- Herzburg, Anton A., Waukesha, and H. O. Schultz and J. S. Tumpak, Milwaukee, Wis. Universal multiple drill head. 1,967,307; July 24.
- Herzmark, Nicolas, Paris, France. Fluid compressor. 1,967,935; July 24.
- Herzog, Ewald, Badisch Rheinfelden, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of preparations suitable for purifying air and liberating oxygen. 1,946,460; Feb. 6.
- Herzog, George, Great Falls, Mont. Crank shaft grinders. 1,956,068; Apr. 24.
- Herzog, Moses, Washington, D. C. Necktie holder and presser. 1,930,526; Nov. 13.
- Herzog, Robert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric receiver for signaling arrangements. 1,971,911; Aug. 28.
- Heseltine, Marjorie, Jersey City, N. J., assignor to The Hills Brothers Company, New York, N. Y. Merchandising preserved fruits. 1,942,212; Jan. 2.
- Hesepere Torfwerk Gesellschaft mit beschränkter Haftung. (See Haverkort, Hendrik, assignor.)
- Hesler, Norman A., Sackville, New Brunswick, Canada. Bathtub. Des. 93,716; Oct. 30.
- Hess, Albert L., assignor to Cycletow Corporation, Los Angeles, Calif. Tow bar for cycles. 1,949,962; Mar. 6.
- Hess, Alexander M., Jamaica, N. Y. Forming plaits. 1,958,436; May 15.
- Hess, Bryce M., Chicago, Ill. Blower. 1,946,162; Feb. 6.
- Hess, Bryce M., Chicago, Ill. Air conditioning apparatus. 1,958,164; May 8.
- Hess, Christian F., Wilmette, Ill. Pump. 1,960,703; May 29.
- Hess, Daniel A., and W. A. W. Johnson, Louisville, Ky. Air tempering apparatus. 1,952,984; Mar. 27.
- Hess, David K., Madison, Wis. Cooling unit. 1,942,288; Jan. 2.
- Hess, Donald P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Making raceway members. 1,967,821; July 24.
- Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,979,620; Nov. 6.
- Hess, Elihu, New Smyrna, Fla. Shuffle board cue. 1,959,825; May 22.
- Hess, Emil G., Toronto, Ontario, Canada. Cover for radiator tops. 1,956,682; May 1.
- Hess, Esta D., executrix. (See Taylor, Lewis H., jr.)
- Hess, Francis M., Chicago, Ill. Producing coke and distillate. 1,968,038; July 31.
- Hess, Frederick P., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Grinding mill. 1,947,342; Feb. 13.
- Hess, Guy L., and L. F. Phillips, Houston, Tex. Pump. 1,973,070; Sept. 11.
- Hess, Lloyd D., and C. R. Libby, assignors to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,982,102; Nov. 27.
- Hess, Raymond W., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Sulphur dyes and making same. 1,978,083; Oct. 23.
- Hess, Virgil D., Mansfield, Ohio. Foot exerciser. 1,949,906; Mar. 6.
- Hesse, Charles J., Footscray, Victoria, Australia. Roller blind mechanism. 1,965,496; July 3.
- Hessel, Frederick A. (See McKee, R. H., and Hessel.)
- Hesselberger, Wilhelm, Augsburg, Germany. Treatment of skins, pelts, hides, and leathers. 1,962,444; June 12.
- Hesselman, Knut J. E., Saltsjö-Storangen, near Stockholm, Sweden. Mechanism for controlling the admission of air to internal combustion engines. 1,943,312; Jan. 16.
- Hesselman, Knut J. E., Saltsjö-Storangen, near Stockholm, Sweden. Fuel pump for internal-combustion engines. 1,944,320; Jan. 23.
- Hesselman, Knut J. E., Saltsjö-Storangen, Sweden. Internal combustion engine. 1,949,470; Mar. 6.
- Hesselman, Knut J. E., Saltsjö-Storangen, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England. Internal combustion engine. 1,967,243; July 24.
- Hesselman, Knut J. E., Saltsjö-Storangen, near Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England. Mechanism for controlling the admission of air to internal combustion oil engines. 1,968,831; Aug. 7.
- Hesselman Motor Corporation, Ltd. (See Hesselman, Knut J. E., assignor.)
- Hessenbruch, Hermann M., Wynnewood, assignor to Nicetown Manufacturing Company, Philadelphia, Pa. Apparatus for making pressed metal articles. 1,953,757; Apr. 3.
- Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
- Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Schilbach, Gustav, assignor.)
- Hessman, William E. (See Hunt, D. F., and Hessman.)
- Hessmert, August, Brugge, Germany. Handle grip. 1,983,756; Dec. 11.
- Hesson, Charles M., assignor to Moul-Hesson Corporation, Hanover, Pa. Sealing or wrapping machine. 1,978,630; Oct. 30.
- Hesson, Lester L., Berne, Ohio. Brush. 1,943,479; Jan. 16.
- Hesson, Robert B. (See Crowder, A. N., and Hesson.)
- Hester, Dewey D., Valley Head, Ala., assignor of fifty-one per cent to C. A. Brelsford, North Chattanooga, Tenn. Electrical pump control for water systems. 1,957,595; May 8.
- Hester, Edgar A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network distribution system. 1,948,711; Feb. 27.
- Hester, Levi C., Jacksonville, Fla. Plow. 1,941,940; Jan. 2.
- Hester, Wynes W., assignor to Driftmeter, Incorporated, Tulsa, Okla. Recording apparatus. 1,977,630; Oct. 23.
- Heston, Allen L., assignor to National Rubber Machinery Company, Akron, Ohio. Tire building form. 1,944,865; Jan. 23.
- Hetherington, Arthur C., Ardrossan, and S. A. Sim, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Floor covering or like material. 1,970,090; Aug. 14.
- Hetherington, Carl F., St. Louis, Mo. Anchor bolt. 1,943,731; Jan. 16.
- Hetherington, Oliver, assignor to Peerless Springs, Incorporated, West Chester, Pa. Spring construction and making same. Re19,347; Oct. 23.
- Hetherington, Robert, Sharon Hill, Pa. Double armed bracket and side holder. 1,956,986; May 1.
- Hetrick Manufacturing Company, The. (See Friesner, Charles E., assignor.)
- Hettel, Clifford J., River Rouge, assignor to Detroit Wax Paper Company, Detroit, Mich. Apparatus for making shaped articles. 1,979,156; Oct. 30.
- Hettler, Max. (See Morsbach, K., Hettler, and Raschke.)
- Hettrick Manufacturing Company, The. (See Friesner, Charles E., assignor.)
- Hettrick Manufacturing Company, The. (See Smith, Isidore P., assignor.)
- Hettrick Manufacturing Company, The. (See Smith, Milton B., assignor.)
- Hetzel, Charles E., South Hadley Falls, Mass. Sheet treating machine and treating sheets. 1,982,302; Nov. 27.
- Hetzel, Frank A., Harrisburg, Pa. Lifting tool. 1,985,571; Dec. 25.
- Hetzler, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Gas heated ironing machine. 1,945,273; Jan. 30.
- Hetzler, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for treating fabric. 1,947,203; Feb. 13.

- Hetzer, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment treating machine. 1,980,860; Nov. 13.
- Hetzer, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for cleaning fabric. 1,981,234; Nov. 20.
- Heubbaum, Ulrich, assignor to Board of Trustees of The University of Illinois, Urbana, Ill. Treatment of plant juices. 1,972,561; Sept. 4.
- Heuck, Claus. (See Luther, M., Pungs, Griessbach, and Heuck.)
- Heuer, Lawrence H., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Hose clamp. 1,947,715; Feb. 20.
- Heuer, Russell F., Bryn Mawr, Pa., assignor to General Refractories Company. Silica brick. 1,969,750; Aug. 14.
- Heuer, Russell F., Haverford, Pa., assignor to General Refractories Company. Refractory brick. 1,969,751; Aug. 14.
- Heuer, William, Irvington, N. J. Cut flower nutrient. 1,978,201; Oct. 23.
- Heuer, William E., assignor to The Hall Manufacturing Company, Toledo, Ohio. Device for adjusting cylinder holes and the like. 1,941,837; Jan. 2.
- Heukelekian, Hovhaness, New Brunswick, N. J., assignor to The Dorr Company, Inc., New York, N. Y. Sewage treatment. 1,963,581; June 19.
- Heumann, Ferdinand G., Great Neck, N. Y. Grass shears. 1,943,960; Jan. 16.
- Heus, Ernest F. (See Heus, Germain A. and E. F.)
- Heus, Germain A. and E. F., Marytown, Wis. Power take-off for motor vehicles. 1,958,086; May 8.
- Heuser, Gerhard, et al. (See Lessnig, Johann, assignor.)
- Heuser, Harry D., Bryn Mawr, assignor to Derham Custom Body Company, Rosemont, Pa. Collapsible top for vehicles. 1,952,252; Mar. 27.
- Heuser, Herman, Evanston, Ill. Preparation of coffee. 1,956,290; Apr. 24.
- Heusser, Max, Winterthur, Switzerland. Mold for castings of iron and nonferrous metals. 1,951,911; Mar. 20.
- Heverly, Earl L., Chicago, Ill., assignor to Norton Door Closer Co., Division of Yale & Towne Mfg. Co., New York, N. Y. Movement controlling device. 1,944,689; Jan. 23.
- Heverly, Earl L., Chicago, and G. H. Hilgendorf, Glencoe, Ill. Lawn sprinkler. 1,943,073; Jan. 9.
- Hewi Duty Electric Company. (See Smalley, Edwin L., assignor.)
- Hewel, Frank B., Pittsburgh, Pa. Packing gland. 1,952,671; Mar. 27.
- Hewes, Thomas, et al., administrators. (See Hart, Gerald W.)
- Hewgley, James M., Oklahoma City, Okla. Anchoring means for well casings. 1,942,597; Jan. 9.
- Hewgley, James M., Oklahoma City, Okla. Expansion head. 1,942,598; Jan. 9.
- Hewgley, James M., Oklahoma City, Okla. Apparatus for controlling the flow of oil wells. 1,974,868; Sept. 25.
- Hewitt, Albert, London, England. Metal planning and like machine tool. 1,944,981; Jan. 30.
- Hewitt, Albert, London, England. Sheet delivery mechanism for printing presses. 1,974,241; Sept. 18.
- Hewitt, Albertis, Pitman, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Recording sound. 1,976,560; Oct. 9.
- Hewitt, Alfred G., assignor to The Visking Corporation, Chicago, Ill. Apparatus for and method of drying cellulose tubing. 1,967,773; July 24.
- Hewitt, Ellis E. (See Farmer, C. C. and Hewitt.)
- Hewitt, Ellis E. (See Thomas, F. B., Hewitt, and Fitch.)
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Spring seat. 1,943,670; Jan. 16.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pipe coupling. 1,956,683; May 1.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake apparatus. 1,964,055; June 26.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,964,056; June 26.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,967,308; July 24.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Gasket. 1,969,795; Aug. 14.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 1,972,737; Sept. 4.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve. 1,976,849; Oct. 16.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door and brake valve device. 1,980,334; Nov. 13.
- Hewitt, Ellis E., Edgewood, Pa., and C. D. Stewart, Berkeley, Calif., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Pneumatic horn. 1,943,671; Jan. 16.
- Hewitt, Ellis E., Edgewood, F. B. Thomas, Forest Hills, and E. R. Fitch, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake. 1,960,338; May 29.
- Hewitt, Ellis E., Edgewood, and E. K. Lynn, East McKeesport, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Gasket construction. 1,980,335; Nov. 13.
- Hewitt, Ernest R. (See Hewitt, Harold C. and E. R.)
- Hewitt, Ernest W., Stamford, Conn., assignor to The Western Union Telegraph Company, New York, N. Y. Display apparatus. 1,969,461; Aug. 7.
- Hewitt, Ernest W., Stamford, Conn., assignor to The Western Union Telegraph Company, New York, N. Y. Type aligning apparatus. 1,983,904; Dec. 11.
- Hewitt-Gutta Percha Rubber Corporation. (See Twombly, Earle K., assignor.)
- Hewitt, Harold C., Cleveland, and E. R. Hewitt, Salem, Ohio. Air conditioning system. 1,965,078; July 3.
- Hewitt, Henry J., Chicago, Ill. Collapsible crate and box. 1,956,444; Apr. 24.
- Hewitt, Howard B., Philadelphia, Pa. Bodily detachable resilient wheel mounting. 1,953,482; Apr. 3.
- Hewitt, William R., New York, N. Y. Lock nut. 1,943,672; Jan. 16.
- Hewlett, Mainart H., Hewlett, N. Y. Ash tray holder. Des. 91,660; Mar. 6.
- Hewlett, Mainart H., Hewlett, N. Y. Glass holder. Des. 91,661; Mar. 6.
- Hews, A. H., & Co., Incorporated. (See Lockwood, Dunbar, assignor.)
- Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Measuring device for yarn winding machines and the like. 1,969,696; Aug. 7.
- Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Stop motion for looms. 1,975,747; Oct. 2.
- Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Mechanical movement. 1,980,527; Nov. 13.
- Hexcel Radiator Company. (See Opitz, Fred M., assignor.)
- Hext, Arthur R. (See Reynolds, W. E., and Hext.)
- Hey, Ernest, Bellingham, Wash. Making a new composition of matter and the product thereof. 1,947,938; Feb. 20.
- Hey, John G., assignor to The Avey Drilling Machine Company, Cincinnati, Ohio. Drilling machine and the like. 1,977,061; Oct. 16.
- Hey, Joseph A., assignor to Williams Sealing Corporation, Decatur, Ill. Cap for receptacles. 1,975,790; Oct. 9.
- Heyer, Benjamin F. W., Belleville, N. J. Battery servicing kit. Des. 92,960; Aug. 7.
- Heyer, Benjamin F. W., Bloomfield, N. J. Storage battery connector. 1,970,091; Aug. 14.
- Heyer, Benjamin F. W., Bloomfield, N. J. Battery charger. 1,970,889; Aug. 21.
- Heyer Corporation, The. (See Besocke, Richard, assignor.)
- Heyer, Don, assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Electrically driven power unit. Des. 94,141; Dec. 25.
- Heyer, Don, assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Flexible belt and making it. 1,982,869; Dec. 4.
- Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,957,105; May 1.
- Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,961,586; June 5.
- Heyl, Louis H., Lakewood, assignor to The Federal Foundry Supply Company, Cuyahoga Heights Village, Ohio. Parting compound. 1,962,686; June 12.
- Heylandt, Christian W. P., Berlin-Britz, Germany, assignor to Flug Aktiengesellschaft, St. Moritz, Switzerland. Method and device for producing compressed gas from liquefied gas. Re19,054; Jan. 16.
- Heylandt, Christian W. P., Berlin-Britz, Germany, assignor to Flug Aktiengesellschaft, St. Moritz, Switzerland. Method and device for producing compressed gas from liquefied gas. Re19,251; July 24.
- Heyler, Charles J. (See Ziegler, George J., assignor.)
- Heyman, Arthur W., Allentown, Pa. Rotary internally fired kiln. 1,953,856; Apr. 3.
- Heyman, Benjamin W., Philadelphia, assignor of one-half to S. D. Sanson, Phoenixville, Pa. Stocking and making same. 1,971,321; Aug. 21.
- Heyman, Irving I., Union, N. J. Sanitary bandage. 1,975,457; Oct. 2.
- Heyman, Isack W., et al. (See Whiteley, John T., assignor.)
- Heyman, Laurence, San Francisco, Calif. Pureer. 1,966,721; July 17.
- Heyman, Louis, New York, N. Y. Brief case. 1,958,003; May 8.
- Heyman, Milton M., New York, N. Y. Mailing wrapper with built-in receptacle. 1,943,074; Jan. 9.
- Heyman, Robert F., South Westville, N. J. Clamp for cutting machines. 1,957,711; May 8.
- Heymann, Hans, assignor to C. Schenck, Eisen Giesserei und Maschinen Fabrik Darmstadt Gesellschaft mit beschränkter Haftung, Darmstadt, Germany. Dynamic balancing of rotating bodies. 1,971,562; Aug. 28.
- Heymann, Hans, and C. Ohly, Darmstadt, Germany. Unbalance indicating device. 1,951,823; Mar. 20.
- Heymann, Max. (See Ridley, Martyn N., assignor.)
- Heymer, Gerd. (See Eggert, J., and Heymer.)

- Heymer, Gerd, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Apparatus for projecting lenticular screen films. 1,953,176; Apr. 3.
- Heymer, Gerd, Dessau in Anhalt, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Superimposed colored photographic layers. 1,954,294; Apr. 10.
- Heymer, Gerd, Dessau, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Process and device for printing multicolor partial pictures on lenticular films. 1,968,145; July 31.
- Heymer, Gerd, Dessau-Ziebigk, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Three-color photography. 1,968,944; Aug. 7.
- Heymer, Gerd, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Process and multicolor filter for producing color pictures on lenticular films. 1,970,890; Aug. 21.
- Heymer, Gerd, Dessau-in-Anhalt, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Apparatus for projecting multicolor pictures on lenticular films. 1,971,410; Aug. 28.
- Heymer, Gerd, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Anasco Corporation, Binghamton, N. Y. Apparatus for projecting lenticular films. 1,984,481; Dec. 18.
- Heyn, Robert E., Bronxville, assignor to The B. V. D. Company, Inc., New York, N. Y. Undergarments. 1,984,875; Dec. 18.
- Heyna, Hans. (See Hoffa, E., and Heyna.)
- Heynau, David H., Cologne-on-the-Rhine, Germany. Friction gear for stepless changing the rotation of a driven shaft. 1,950,675; Mar. 13.
- Heyroth, Albert H., assignor to Globar Corporation, Niagara Falls, N. Y. Terminal for electric heating appliances. 1,969,132; Aug. 7.
- Heyroth, Albert H., and E. W. Bratton, assignors to The Globar Corporation, Niagara Falls, N. Y. Heating appliance. 1,954,128; Apr. 10.
- Heyser, Arthur C., assignor to Clamp Nail Company, Chicago, Ill. Clamp nail. 1,959,360; May 22.
- Heyssler, Heinrich, Stubing, Austria. Time interval indicator. 1,942,754; Jan. 9.
- Heywood Boot & Shoe Company. (See Bunker, Ralph A., assignor.)
- Heywood, Frank, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Refrigeration with solid carbon dioxide. 1,941,744; Jan. 2.
- Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)
- Heywood-Wakefield Company. (See Stinson, George, assignor.)
- Hezel, Hermann, assignor to Irving Trust Company, temporary trustee for R. Hoe & Co., New York, N. Y. Web supply mechanism for printing machines. 1,985,221; Dec. 18.
- Hiatt, Enos B., assignor to Carpenter-Hiatt Sales Company, Denver, Colo. Basket liner. 1,975,510; Oct. 2.
- Hibasco, Steven, Palo Alto, Calif. Piston construction. 1,984,266; Dec. 11.
- Hibbard, Frank H., Mountain Lakes, N. J., assignor to Electrical Research Products, Inc., New York, N. Y. Sound picture system. 1,974,070; Sept. 18.
- Hibbard, Hall L., Burbank, Calif., assignor to Lockheed Aircraft Corporation. Airplane. Des. 92,654; July 3.
- Hibbard, Robert L., assignor of one-half to W. K. Stamet, Pittsburgh, Pa. Self-centering chuck. 1,967,507; July 24.
- Hibbard, Robert L., assignor of one-half to W. K. Stamet, Pittsburgh, Pa. Machine for threading couplings. 1,967,508; July 24.
- Hibbard, Spencer, Bartlett & Co. (See Roberts, Rankin H., assignor.)
- Hibbard, Thomas L., Bloomfield Hills, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. Des. 91,356; Jan. 16.
- Hibbard, Walter R., and E. T. Candee, assignors to The American Brass Company, Waterbury, Conn. Refining hard tin. 1,964,948; July 3.
- Hibbert, Bertha. (See Hibbert, Harold and B.)
- Hibbert, Harold and B., Newton, Hyde, England. Apparatus for treating liquids or semiliquids. 1,973,709; Sept. 18.
- Hibbs, Frank J., Los Angeles, Calif. Toothbrush and tumbler holder. 1,975,691; Oct. 2.
- Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Car for mines and the like. 1,950,175; Mar. 6.
- Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Dump car for mines and the like. 1,966,390; July 10.
- Hick, Harry J., assignor to C. J. Rodman, Alliance, Ohio. Fish bait or plug. 1,967,089; July 17.
- Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Safety roadway construction and rotary guard rail apparatus therefor. 1,969,845; Aug. 14.
- Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Highway guard. 1,969,846; Aug. 14.
- Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Casting massive structures. 1,983,757; Dec. 11.
- Hick, Harry J., assignor to The Machined Steel Casting Company, Alliance, Ohio. Apparatus for casting massive structures. 1,983,758; Dec. 11.
- Hicken, Elmer E., Collingswood, N. J. Stoker conveyer trough. 1,950,239; Mar. 6.
- Hickerson, Absalom S., Baytown, Tex. Rack. 1,968,644; July 31.
- Hickerson, Guy, and J. McCreadie, Midland, Mich. Rotary engine. 1,955,461; Apr. 17.
- Hickerson, Robert E., administrator. (See Fuller, Kenneth D.,)
- Hickerson, Samuel R., Brainerd, Minn. Garment seat construction. 1,976,126; Oct. 9.
- Hickey, Herbert A., Minneapolis, Minn. Making permanent or fixed gases from fuel oils. 1,967,669; July 24.
- Hickey, McAlpin H., Trenton, N. J. Structure steel bracket. 1,949,569; Mar. 6.
- Hickey, Stockard R., U. S. Navy. Hydrostatic auxiliary starting means for torpedoes. 1,971,346; Aug. 28.
- Hickley, Harry W., London, England. Apparatus for applying coatings to articles. 1,966,980; July 17.
- Hickman, Cedric A., Redkey, Ind. Tumbler or similar article. Des. 92,655; July 3.
- Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone. 1,944,238; Jan. 23.
- Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,982,810; Dec. 4.
- Hickman, John J., Ocean Park, Calif. Pouring spout for bags. 1,973,956; Sept. 18.
- Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Measuring device. 1,942,857; Jan. 9.
- Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Distillation apparatus. 1,942,858; Jan. 9.
- Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Liquid concentration control apparatus. 1,942,859; Jan. 9.
- Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Tinting, dyeing, or backing photographic film. 1,957,888; May 8.
- Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for photographic processing. 1,962,306; June 12.
- Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Lubricant containing a cellulose derivative. 1,963,901; June 19.
- Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process and bleach bath for use therein. 1,984,133; Dec. 11.
- Hickman, Kenneth C. D., and C. R. Sanford, assignors to Eastman Kodak Company, Rochester, N. Y. Non-halation film backing. 1,950,890; Mar. 13.
- Hickman, Kenneth C. D., and W. J. Weyerts, assignors to Eastman Kodak Company, Rochester, N. Y. Recovery of silver from used photographic fixing solutions by electrolysis. 1,954,316; Apr. 10.
- Hickman, Kenneth C. D., and W. J. Weyerts, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for electroplating silver from used photographic fixing solutions. 1,959,531; May 22.
- Hickman, Kenneth C. D., Rochester, N. Y., and L. A. Staib, jr., Baltimore, Md., assignors to Eastman Kodak Company, Rochester, N. Y. Photographically sensitive element. 1,962,307; June 12.
- Hickok Manufacturing Company. (See Devendorf, Irving C., assignor.)
- Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
- Hickok Manufacturing Company. (See Sachs, Morris, assignor.)
- Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)
- Hickok Manufacturing Company. (See Wickham, Alfred R., assignor.)
- Hickok, Robert D., assignor to Cleveland Patents Incorporated, Cleveland, Ohio. Radio tube tester. 1,942,401; Jan. 9.
- Hickok, Robert D., assignor to Cleveland Patents Incorporated, Cleveland, Ohio. Electrical measuring instrument. 1,983,665; Dec. 11.
- Hickok, W. O., Manufacturing Company. (See Broadmeyer, Albert, assignor.)
- Hickory Town Distilling Co. (See Kennedy, Angus B., assignor.)
- Hickox, Sherman G., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick holder. 1,955,295; Apr. 17.
- Hicks, Everett P., Chicago, Ill. Mop holder. 1,967,406; July 24.
- Hicks, Guy, et al. (See Mood, Homer W., assignor.)
- Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Cowling ring for airplane engines. 1,943,528; Jan. 16.
- Hicks, Harold A., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Airplane. 1,955,185; Apr. 17.
- Hicks, Henry C., H. Clyde, and P. Martin, Belfast, Ireland, said Clyde and said Martin assignors to said Hicks. Hank holder for winding machines. 1,954,129; Apr. 10.
- Hicks, John, et al. (See Mood, Homer W., assignor.)
- Hicks, Lester T., South Bend, Ind. Current outlet. 1,958,539; May 15.

- Hicks, Raymond M., Larchmont, assignor to The Tele-register Corporation, New York, N. Y. Indicator. 1,965,376; July 3.
- Hicks, Raymond M., Plainfield, N. J., and C. J. Dorr, Yonkers, assignors to The Teleregister Corporation, New York, N. Y. Regenerator unit. 1,965,377; July 3.
- Hicks, Robert B., Brooklyn, N. Y. Flow switch. 1,982,430; Nov. 27.
- Hicks, Robert J., Rochester, N. Y. Headlight for vehicles. 1,977,274; Oct. 16.
- Hicks, Thomas E., Princeton, N. J., assignor to The Modess Corporation, New York, N. Y. Clasp for sanitary napkins. Des. 94,142; Dec. 25.
- Hicks, Walter M., Fennville, Mich. Device for measuring vacuum in sealed containers. 1,974,026; Sept. 18.
- Hicks, Walter M., assignor to Michigan Fruit Canners, Inc., Fennville, Mich. Canning apparatus. 1,963,132; June 19.
- Hickstein, William L., Irvington, and E. C. Loesser, Glen Ridge, N. J. Control device. 1,985,659; Dec. 25.
- Hieber, Karl V., Graz, Austria. Elastic knife-edge bearing for measuring appliances. 1,981,105; Nov. 20.
- Hiedloff, Joseph R., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Hydraulic brake. 1,943,959; Jan. 16.
- Hiergesell, Valentine, assignor, by mesne assignments, to H-B Instrument Co., Inc., Philadelphia, Pa. Thermoregulator. Des. 92,351; May 29.
- Hiering, William C., Milburn Township, Essex County, assignor to J. E. Mergott Company, Newark, N. J. Bag frame. Des. 92,908; July 31.
- Hiering, William C., Milburn Township, Essex County, assignor to J. E. Mergott Company, Newark, N. J. Hand bag. 1,952,132; Mar. 27.
- Hiering, William C., Milburn Township, Essex County, assignor to J. E. Mergott Company, Newark, N. J. Hand bag. 1,963,492; June 19.
- Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag fastener. 1,952,131; Mar. 27.
- Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag frame. 1,966,204; July 10.
- Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Hand bag. 1,980,684; Nov. 13.
- Hiers, George O., Brooklyn, assignor to National Lead Company, New York, N. Y. Refining white metal scrap. 1,976,225; Oct. 9.
- Hiers, Ralph G. and R. H., assignors to Noble & Cooley Co., Granville, Mass. Hoop. 1,955,330; Apr. 17.
- Hiers, Ralph H. (See Hiers, Ralph G. and R. H.)
- Hieste, Theodore M., assignor to United Aircraft Products, Inc., Dayton, Ohio. Pneumatic method and apparatus for forming metal articles. 1,946,211; Feb. 6.
- Hieste, Theodore M., assignor to United Aircraft Products, Inc., Dayton, Ohio. Machine for forming metal. 1,953,934; Apr. 10.
- Hieste, Theodore M., assignor to United Aircraft Products, Inc., Dayton, Ohio. Apparatus for forming articles. 1,968,296; July 31.
- Hiett, Gregory T., Delphos, Ohio. Filter. 1,946,163; Feb. 6.
- Higbee, Clarence E., Brooklyn, N. Y. Slip-sheeting attachment for mimeograph or similar apparatus. 1,944,176; Jan. 23.
- Higbee, James F., Detroit, Mich., assignor, by mesne assignments, of one-half to E. R. Panabaker, Harrow, Ontario, Canada. Vehicle supporting dual wheel assembly. 1,970,378; Aug. 14.
- Higbee, James F., assignor of one-half to S. A. Griggs, Detroit, Mich. Demountable rim structure. 1,975,273; Oct. 2.
- Higbee, James F., Detroit, Mich., assignor, by mesne assignments, of one-half to E. R. Panabaker, as trustee, Harrow, Ontario, Canada. Floating wheel hub mounting. 1,976,068; Oct. 9.
- Higbee, James F., assignor of one-half to S. A. Griggs, Detroit, Mich. Compressor. 1,980,726; Nov. 13.
- Higin Manufacturing Company, The. (See Penderer, Edward W., assignor.)
- Higin Manufacturing Company, The. (See Traut, Clifford, assignor.)
- Higinbottom, Harold H., Leonia, N. J., assignor, by mesne assignments, to Radio Corporation of America. Radio transmission system. 1,967,574; July 24.
- Higinbottom, William E., Haverford Township, Montgomery County, assignor to Benjamin C. Betner Company, Devon, Pa. Bag sealing device. 1,979,157; Oct. 30.
- Higgins, Albert W. (See Speer, A., and Higgins.)
- Higgins, Clarence, Jamaica, N. Y. Tea bag. 1,976,497; Oct. 9.
- Higgins, Clark F., Melrose Highlands, Mass. Changeable exhibitor. 1,965,118; July 3.
- Higgins, Clark F., Melrose, assignor, by mesne assignments, to General Body & Hoist Company, Everett, Mass. Dumping vehicle. Re19,042; Jan. 9.
- Higgins, Clark F., Melrose, assignor, by mesne assignments, to General Body & Hoist Company, Everett, Mass. Dumping vehicle hoist. 1,962,445; June 12.
- Higgins, Dana D. (See Stevens, E. E., and Higgins.)
- Higgins, Emerson C., Jr., West Los Angeles, Calif., and F. T. Gardner, Tulsa, Okla. Process of revivifying brucite or magnesium hydroxide. 1,963,493; June 19.
- Higgins, Emerson C., Jr., West Los Angeles, Calif., and F. T. Gardner, Tulsa, Okla. Refining petroleum products. 1,977,631; Oct. 23.
- Higgins, Frank C., Minneapolis, Minn. Gear shift controlling mechanism. 1,971,817; Aug. 28.
- Higgins, George H. (See Llewellyn, E. R., and Higgins.)
- Higgins, Leonard J. (See Kulp, Albert C., assignor.)
- Higgins, Mark F. (See Nyborg, Tage G., assignor.)
- Higgins, Pattillo, San Antonio, Tex. Producing earthenware. 1,952,757; Mar. 27.
- Higgins, Ralph, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio. Capacitance coupling. 1,950,676; Mar. 13.
- Higgins, Ralph, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio. Controlling the electrostatic field for insulator bushings. 1,972,590; Sept. 4.
- Higgins, Robert W. (See Perin, Donald W., assignor.)
- Higgins, Sigfried. (See Swan, H., and Higgins.)
- Higgins, Sigfried, Verona, N. J., assignor to Bakelite Corporation, New York, N. Y. Furniture slide. 1,954,130; Apr. 10.
- Higitt, Harry V., and F. Warburton, London, England, assignors to Cable and Wireless Limited. Telegraph perforator. 1,975,042; Sept. 25.
- High, Joseph B., Bunnell, Fla. Cooking, cooling, and testing process. 1,950,304; Mar. 6.
- Higham, William H. M., New York, N. Y., assignor to Auto Research Corporation. Lubrication. 1,953,959; Apr. 10.
- Highberg, George A. (See Sloan, H. E., and Highberg.)
- Highway Trailer Company. (See Allen, Edwin H., assignor.)
- Highway Trailer Company. (See Burton, Robert N., assignor.)
- Highway Trailer Company. (See Connors, George H., assignor.)
- Highway Trailer Company. (See Davis, Durrel H., assignor.)
- Highway Trailer Company. (See Erdahl, Nicholai M., assignor.)
- Highway Trailer Company. (See Hathorn, Elmer F., assignor.)
- Highway Trailer Company. (See Menhall, James W., assignor.)
- Highway Trailer Company. (See Molinare, Anthony W., assignor.)
- Highway Trailer Company. (See Robb, John F., assignor.)
- Highway Trailer Company. (See Robb, J. F., and Wagner, assignors.)
- Highway Trailer Company, The. (See Williams, Roy E., assignor.)
- Higinbotham, Arthur O., Denver, Colo. Oil burner. 1,953,483; Apr. 3.
- Higley, Dennis R., assignor of one-fourth to J. C. Kilburn, Rawlins, Wyo. Cream extractor. 1,977,062; Oct. 16.
- Higley, Frank R. (See Dolan, D. J., and Higley.)
- Higley, Frank R., Cleveland Heights, Ohio. Locomotion control for vehicles. 1,965,119; July 3.
- Higley, Frank R., Cleveland Heights, Ohio. Paving means. 1,971,856; Aug. 28.
- Higley, Frank R., Cleveland Heights, Ohio. Curved conduit. 1,974,109; Sept. 18.
- Higley, Frank R., Cleveland Heights, Ohio. Curved conduit. 1,974,110; Sept. 18.
- Higley, Frank R., Cleveland Heights, Ohio. Vehicle drive. 1,984,830; Dec. 18.
- Higley, Frank R., Cleveland Heights, Ohio. Vehicle drive. 1,984,831; Dec. 18.
- Higley, Frank R., Cleveland Heights, assignor to Insulated Steel Construction Company, Cleveland, Ohio. Sheathing for buildings. 1,971,411; Aug. 28.
- Higley, Warren L., Tampa, Fla. Measuring dispensing bowl or receptacle. 1,941,745; Jan. 2.
- Higson, Percy R. (See Larsson, C. A., and Higson.)
- Higson, Percy R. (See Palmer, A. J., and Higson.)
- Hi-Heat Gas Co. Inc. (See Lindbloom, Charles V., assignor.)
- Hilbert, James E., Traverse City, Mich. Cutting and wrapping honey. 1,973,208; Sept. 11.
- Hilblom, Samuel E. (See Crumb, C. F., and Hilblom.)
- Hilborn, Jerome S. (See McCormick, William E., assignor.)
- Hild, Frederic W., Los Angeles, Calif. Earth drilling system. 1,962,346; June 12.
- Hild, Frederic W., Los Angeles, Calif. Automatic blow-out preventer. 1,968,297; July 31.
- Hildebrand, Henry W., Jr., and H. W. Tittle, assignors to Oil Service & Engineering Company, Denver, Colo. Oil heating device. 1,949,471; Mar. 6.
- Hildebrandt, Gustav, and W. Klavehn, Mannheim, Germany, assignors, by mesne assignments, to E. Bilhuber, Incorporated, Jersey City, N. J. Manufacture of levo-1-phenyl-2-methylaminopropanol-1. 1,956,950; May 1.
- Hildebrandt, Harold, Tacoma, Wash. Tearing strip can. 1,985,200; Dec. 25.
- Hildebrandt, Karl, Harburg-Wilhelmsburg, Germany. Apparatus for continuous extraction of oils and fats. 1,961,420; June 5.
- Hile, Leslie M., Benton Harbor, Mich. Rectangular basket. 1,941,835; Jan. 2.
- Hile, Leslie M., Benton Harbor, Mich. Rectangular basket. 1,943,824; Jan. 16.
- Hile, Leslie M., Benton Harbor, Mich. Rectangular basket. 1,943,825; Jan. 16.
- Hile, Leslie M., Benton Harbor, Mich. Basket handle. 1,946,793; Feb. 13.
- Hile, Leslie M., Benton Harbor, Mich. Wire handle for baskets. 1,946,794; Feb. 13.

- Hile, Leslie M., Benton Harbor, Mich. Machine for making and applying wire handles to baskets. 1,950,795; Mar. 13.
- Hile, Leslie M., Benton Harbor, Mich. Basket handle. 1,958,576; May 15.
- Hile, Leslie M., Benton Harbor, Mich. Cover fastening machine. 1,984,530; Dec. 18.
- Hilgenberg, Carl G., and C. B. Garwood, assignors to Carr-Lowrey Glass Co., Baltimore, Md. Automatic glass feed. 1,982,253; Nov. 27.
- Hilgenberg, David, Chicago, Ill. Circuit closer. 1,950,240; Mar. 6.
- Hilgendorf, George H. (See Heverly, E. L., and Hilgendorf.)
- Hilger, Adam, Limited. (See Smith, Charles F., assignor.)
- Hilger, Adam, Limited. (See Twyman, F., and Follett, assignors.)
- Hilger, Josef. (See Hentrich, W., and Hilger.)
- Hilger, Josef. (See Taube, C., Zeh., and Hilger.)
- Hilger, Josef, Leverkusen-Wiesdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing acetoethyl alcohol. 1,955,882; Apr. 24.
- Hilger, William P., St. Cloud, Minn. Frost shield. 1,945,742; Feb. 6.
- Hilgerink, Frank M., Oak Park, Ill. Cleaning nozzle. 1,950,796; Mar. 13.
- Hilgerink, Frank M., assignor to C. F. Fitts and H. S. Hart, Chicago, Ill. Locomotive cleaning apparatus. 1,981,622; Nov. 20.
- Hilke, Henry C., assignor to Seattle Cedar Lumber Manufacturing Company, Seattle, Wash. Trim saw. 1,976,020; Oct. 9.
- Hilken, Alfred, assignor to Ateliers H. Cuenod, S. A., Geneva, Switzerland. Automatically controlled oil burning system. 1,975,423; Oct. 2.
- Hill, Abram A., Prattsville, N. Y. Churn. 1,983,458; Dec. 4.
- Hill, C. V., & Co. Inc. (See Hill, Clement V., assignor.)
- Hill, Charles B., Dallas, Tex. Feed mixing machine. 1,960,704; May 29.
- Hill, Charles F., Edgewood, and J. T. Goff, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical apparatus. 1,947,085; Feb. 13.
- Hill, Charles K., Cleveland, Ohio. Nail machine. 1,964,988; July 3.
- Hill, Charles K., Cleveland, Ohio. Twisting wire. 1,964,989; July 3.
- Hill, Charles W., Los Angeles, Calif. Amusement device. 1,958,892; May 15.
- Hill, Clarence E., Groton, Conn. Four jaw vise. 1,966,391; July 10.
- Hill, Clayton M., Chicago, Ill. Sign construction. 1,957,022; May 1.
- Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Wrapping paper attachment for show cases. 1,949,375; Feb. 27.
- Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Wrapping paper attachment for show cases. 1,952,374; Mar. 27.
- Hill, Dewey H. (See Chester, A. P., and Hill.)
- Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Cleaner for oil burners. 1,982,303; Nov. 27.
- Hill, Edward G., Chicago, Ill., assignor to Hill Engineering Corporation, Richmond, Va. Motor vehicle clutch control mechanism. 1,964,693; June 26.
- Hill, Edward J., Chicago, Ill. Lubricator for elevator guide rails. 1,952,068; Mar. 27.
- Hill Engineering Corporation. (See Hill, Edward G., assignor.)
- Hill, Ernest E. (See Boa, G. C., and Hill.)
- Hill, F. H., Company. (See Scholl, H. S., and Donnelly, assignors.)
- Hill, Francis S., Denver, Colo. Hand beet toppler. 1,971,611; Aug. 28.
- Hill, Frank B. (See Dickie, W. A., and Hill.)
- Hill, Frank F., assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for controlling the angle in earth boring. 1,944,838; Jan. 23.
- Hill, George, Wellford, S. C. Oiling and moistening cotton. 1,973,761; Sept. 18.
- Hill, George C., Sandusky, Ohio. Whipping attachment for drink mixers. 1,949,047; Feb. 27.
- Hill, George E., San Francisco, Calif. Luminous tube system. 1,963,366; June 19.
- Hill, George L., Oakland, Calif. High potential fuse. 1,965,239; July 3.
- Hill, Gerrit D., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Locking mechanism. 1,956,069; Apr. 24.
- Hill, Gregory C., assignor to Locke Insulator Corporation, Baltimore, Md. Hardware for guy strain insulators. 1,977,129; Oct. 16.
- Hill, Harry, Belvedere, assignor to Callender's Cable and Construction Company Limited, London, England. Machine for producing wire strands. 1,947,775; Feb. 20.
- Hill, Harry, Kent, assignor to Callender's Cable and Construction Company Limited, London, England. Method and apparatus for the extrusion of lead and other metals. 1,981,045; Nov. 20.
- Hill, Harry, Kent, assignor to Callender's Cable and Construction Company Limited, London, England. Container for molten metals. 1,981,699; Nov. 20.
- Hill, Harry H., U. S. Navy. Antenna. 1,944,891; Jan. 30.
- Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Lens blocking device. 1,952,373; Mar. 27.
- Hill, Helen, assignor of one-half to Radio Research Company, Inc., Washington, D. C. Tip for cigarettes. 1,959,717; May 22.
- Hill, Herbert M., Leonia, N. J. Process and apparatus for preparation of frozen comestibles. 1,951,412; Mar. 20.
- Hill, Isaac R. (See Hauskins, Alvis J., assignor.)
- Hill, James B. (See Bush, F. L., Hill, and Hervig.)
- Hill, John W., assignor of one-half to F. A. Parsons, Milwaukee, Wis. Refrigeration apparatus. 1,955,186; Apr. 17.
- Hill, Matthew E., assignor to The Holfast Rubber Company, Atlanta, Ga. Stock receptacle. 1,941,746; Jan. 2.
- Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Method of and machine for cutting gears. 1,964,800; July 3.
- Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Chambering mechanism. 1,975,151; Oct. 2.
- Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Method of and machine for chamfering gears. 1,985,409; Dec. 25.
- Hill, Maxwell H., and M. H. Johanson, assignors to Gleason Works, Rochester, N. Y. Method of and machine for cutting gears. 1,964,799; July 3.
- Hill, Minnie K., Woodside, N. Y. Child's play hoop with detachable handle. 1,965,240; July 3.
- Hill, Myron F., Philadelphia, Pa. Reversible liquid pump. 1,970,146; Aug. 14.
- Hill, Nikolai, Mellen, assignor of one-fourth to M. R. Utto, High Bridge, one-fourth to V. Rivers, and one-fourth to W. Yitlalo, Marengo, Wis. Chimney cleaner. 1,964,057; June 26.
- Hill, Ralph B., assignor to Electric Plug, Inc., Bridgeport, Conn. Electrical plug device. Des. 94,143; Dec. 25.
- Hill, Raymond P. (See Wolf, R. B., Hatch, and Hill.)
- Hill, Richard D., Fort Worth, Tex., assignor of one-half to J. R. Dulaney, one-eighth to F. Dulaney, one-eighth to L. C. Dulaney, Ardmore, Okla., and one-fourth to O. J. Anderson, Iowa Park, Tex. Hydraulic pump jack for wells. 1,974,155; Sept. 18.
- Hill, Richard O. H., Scarsdale, N. Y. Business card package and case. 1,955,633; Apr. 17.
- Hill, Robert, Oakville, Ontario, Canada. Rail chair. 1,962,507; June 12.
- Hill, Robert, Oakville, Ontario, Canada. Rail chair. 1,979,153; Oct. 30.
- Hill, Roscoe G., River Falls, Wis., assignor of one-fourth to H. Nordstrom, Minneapolis, Minn. Constant pressure reaction gas turbine. 1,945,608; Feb. 6.
- Hill, Rowland, Blackley, England, assignor to Imperial Chemical Industries Limited. Resin and resin forming compound. 1,980,483; Nov. 13.
- Hill, Walter M. (See Cary, M. C., and Hill.)
- Hill, Walter M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connector. 1,977,677; Oct. 23.
- Hill, Walter M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,982,811; Dec. 4.
- Hill, William C., Dearborn, Mich. Expansion valve regulating mechanism for refrigerating systems. 1,978,709; Oct. 30.
- Hill, William E. (See Frederick, Roland E., assignor.)
- Hill, William E., Glenside, assignor of one-half to F. H. Borden, Philadelphia, Pa. Refrigerating display case. 1,961,901; June 5.
- Hill, William H. (See Hawley, Bert F., assignor.)
- Hill, Willis C., Penngrove, Calif. Metallic window screen. 1,957,339; May 1.
- Hillabold, Herbert C. (See Beatty, Herbert O., assignor.)
- Hillard, Henry F. (See Butler, W. L., and Hillard.)
- Hillard, Henry G., assignor of fifty-one one hundredths to I. H. Bowman, trustee, and one-fifth to I. H. Bowman, Regina, Saskatchewan, Canada. Paper article of apparel. 1,941,836; Jan. 2.
- Hille, Frederick, Los Angeles, Calif. Tool grinder. 1,981,174; Nov. 20.
- Hillebrand, William A. (See Austin, A. O., and Hillebrand.)
- Hillebrand, William A., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,941,749; Jan. 2.
- Hillebrand, William A., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,967,616; July 24.
- Hillebrand, William A., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor clamp. 1,968,888; Aug. 7.
- Hillebrand, William A., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 1,983,370; Dec. 4.
- Hillebrand, William A., Berkeley, Calif., assignor to The Ohio Brass Company, Mansfield, Ohio. Temperature control for oil filled bushings. 1,983,371; Dec. 4.
- Hillebrand, William A., Akron, and A. M. Morris, Barberton, assignors to The Ohio Brass Company, Mansfield, Ohio. Fitting for strain insulators. 1,983,369; Dec. 4.
- Hiller, August, Pforzheim, Germany. Band for jewelry purposes. 1,941,684; Jan. 2.

- Hiller, Charles, jr. (See Knox, H. A., and Hiller.)
 Hiller, Charles, jr. (See Knox, H. A., and Hiller, jr.)
 Hiller, Everett O., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Photo-electric control of glass feeders. 1,941,896; Jan. 2.
 Hiller, Everett O., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding batch to glass melting furnaces. 1,941,897; Jan. 2.
 Hiller, Everett O., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making pressed and blown hollow glassware. 1,982,103; Nov. 27.
 Hiller, Georg, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Manufacture of sulphate of ammonia. 1,957,268; May 1.
 Hiller, George, Inglewood, assignor to National Postal Meter Company, Los Angeles, Calif. Stripper and feeder for postal machines. 1,955,066; Apr. 17.
 Hiller, Nicolai H., Carbondale, and A. Roe, Jermyn, assignors to The Carbondale Machine Co., Carbondale, Pa. Filter press. 1,977,480; Oct. 16.
 Hiller, Theodore C. (See Korn, Isidor, assignor.)
 Hillery-Collings, Charles E., assignor, by mesne assignments, to Camera-Projectors Limited, London, England. Intermittently traversing photographic films and obtaining synchronized film and shutter movements in cinematographic cameras and projectors. 1,946,310; Feb. 6.
 Hillery-Collings, Charles E., assignor to Camera-Projectors Limited, London, England. Film charging device for use with cinematographic cameras and projectors. 1,960,082; May 22.
 Hilliard, H. W., Co. Inc. (See Cherry, L. A., and Fuller, assignors.)
 Hilliard, Walter M., assignor to Dennison Manufacturing Company, Framingham, Mass. Display device and container for merchandise. 1,971,258; Aug. 21.
 Hillier, Harold, Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Controlling means for feed pumps. 1,953,827; Apr. 3.
 Hillier, Harold, Cathcart, Glasgow, assignor to G. & J. Weir Limited, Glasgow, Scotland. Pump control means. 1,965,288; July 3.
 Hillier, Harold, and J. C. and W. A. Macfarlane, Cathcart, Glasgow, assignors to G. & J. Weir, Limited, Glasgow, Scotland. Displacement pump. 1,983,229; Dec. 4.
 Hilliker, William P. (See Brunstrum, L. C., and Hilliker.)
 Hillis, Donuil M., Los Angeles, Calif. Process and apparatus for treating hydrocarbons. 1,961,493; June 5.
 Hillman, Albert G., assignor of one-half to Colourgravure Limited, London, England. Cinematograph camera. 1,983,800; Dec. 11.
 Hills Brothers Company, The. (See Heseltine, Marjorie, assignor.)
 Hills Brothers Company, The. (See Stott, Alexander W., assignor.)
 Hills, Jennie, West Palm Beach, Fla. Shoe holder. 1,977,512; Oct. 16.
 Hillsdale Manufacturing Company. (See Gold, Isaac, assignor.)
 Hillstrom, Alex F., and V. Petterson, assignors to Henry B. Floyd, Chicago, Ill. Detachable connecting means. 1,945,352; Jan. 30.
 Hillstrom, Gustaf R., Shaker Heights, Ohio. Coffee canister. 1,974,988; Sept. 25.
 Hillstrom, Rudolph J., Marshfield, Oreg. Carbonizer. 1,983,801; Dec. 11.
 Hillyard, Newton S., St. Joseph, Mo. Nursery soap dispenser. 1,945,111; Jan. 30.
 Hillyard, Newton S., St. Joseph, Mo. Soap dispenser. 1,947,086; Feb. 13.
 Hillyer, Henry B., Eveleth, Minn. Apparatus for supporting cables for scrapers and like devices. 1,962,274; June 12.
 Hillyer, Henry B., Virginia, Minn. Three-legged divider. 1,972,655; Sept. 4.
 Hilmanco Inc. (See Mano, John, assignor.)
 Hilman, John H., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,964,850; July 3.
 Hilsenrath, Harry, New York, N. Y. Dispensing device. 1,985,094; Dec. 18.
 Hilt, Lewis, Palmerton, Pa. Culinary unit. 1,952,672; Mar. 27.
 Hilton, Arthur M., Royston, British Columbia, Canada. Garden hose attachment. 1,942,701; Jan. 9.
 Hilton, Philip St. J., Portland, Oreg. Window wiper. 1,973,071; Sept. 11.
 Hiltz, John W., Toronto, Ontario, Canada. Grain door. 1,945,974; Feb. 6.
 Himebaugh, Lester C., and P. P. Gray, Hollis, assignors, by mesne assignments, to Parker, White, and Heyl, Inc., New York, N. Y. Sterilizing composition. 1,983,031; Dec. 4.
 Himes, Addison N. (See Himes, Ross A., assignor.)
 Himes, Addison N., Piedmont, Calif. Paper box. 1,985,778; Dec. 25.
 Himes, Ross A., Piedmont, assignor to A. N. Himes, Oakland, Calif. Paper box. 1,985,779; Dec. 25.
 Himle, Dorothy, et al. (See Sumner, Oris C., assignor.)
 Himle, Edmund, et al. (See Sumner, Oris C., assignor.)
 Himmel, Adolf, Tubingen-Derendingen, assignor to Himmelwerk A.-G., Tubingen, Germany. Pump or impeller. 1,949,796; Mar. 6.
 Himmel Brothers Company, The. (See Himmel, Fred and I., assignors.)
 Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Structural member. 1,984,134; Dec. 11.
 Himmel, Isidore. (See Himmel, Fred and I.)
 Himmel, Robert, Chicago, Ill. Radio cabinet. Des. 91,486; Feb. 13.
 Himmelmann, Adolf, Dortmund, Germany. Protective rolling screen for windows, doors, and the like. 1,985,828; Dec. 25.
 Himmelwerk A.-G. (See Himmel, Adolf, assignor.)
 Himmler, William F., Seymour, Ind. Stringed musical instrument. Des. 92,535; June 19.
 Hinchliff, Edward C., assignor to Burson Knitting Company, Rockford, Ill. Surgical stocking heel construction. 1,968,832; Aug. 7.
 Hinchman, Alva K., Gloucester, N. J. Electric visible surface gauge indicator. 1,970,142; Aug. 14.
 Hincley, Louis C., Springfield, Mass. Supporting bracket. 1,970,962; Aug. 21.
 Hincley, Thomas P. (See Gunther, William H., assignor.)
 Hindahl, David, assignor to Rodger Ballast Car Company, Chicago, Ill. Ballast car. 1,977,308; Oct. 16.
 Hinde & Dauch Paper Company. (See Drewsen, Pierre, assignor.)
 Hinder, Percival G. H., London, England. Foot arch support. 1,972,776; Sept. 4.
 Hinderer, Jesse L., Canton, Ohio. Stoker. 1,980,755; Nov. 13.
 Hinderliter, Frank J., Tulsa, Okla. Casing head with blowout preventer. Re19,047; Jan. 16.
 Hinderliter, Frank J., Tulsa, Okla. Tool joint for rotary drills. Re19,196; June 5.
 Hinderliter, Frank J., Tulsa, Okla. Rotary drill pipe collar or coupling with sealed joints. 1,961,762; June 5.
 Hinderliter, Frank J., Tulsa, Okla. Tool joint. 1,961,763; June 5.
 Hinderliter, Frank J., Tulsa, Okla. Casing head. 1,968,685; July 31.
 Hindle, Albert E., Philadelphia, Pa. Combined stool and stepladder. 1,973,628; Sept. 11.
 Hindle, Frederic O., assignor to The American Scientific Instrument Company, Milford, Conn. String galvanometer. 1,942,027; Jan. 2.
 Hindle, Hardwick, Inc. (See Crouse, George B., assignor.)
 Hindle, Thomas, Blackburn, England. Apparatus for seaming papermakers' drier felts. 1,976,169; Oct. 9.
 Hindley, Frank, assignor to Puritan Rubber Manufacturing Company, Trenton, N. J. Shoe sole. Des. 92,352; May 29.
 Hindley, Harold C., and O. W. Atkin, assignors of one third to P. Fisher, Santa Monica, Calif. Photographic attachment for firearms. 1,960,998; May 29.
 Hindman, Samuel H., trustee. (See Hindman, William H., assignor.)
 Hindman, Thomas E., Hamilton, Kans., assignor to Phillips Petroleum Company, Bartlesville, Okla. Method and apparatus for the maintenance and operation of jack pumping systems. 1,978,309; Oct. 23.
 Hindman, William H., Hollywood, assignor to S. H. Hindman, Owensmouth, Calif., and himself as trustees. Portable electric circuit cut-in. 1,945,939; Feb. 6.
 Hinds, Forrest, Monroe, Mich. Punch. 1,976,992; Oct. 16.
 Hinds, Lolita M., et al. (See Bent, Jesse A., assignor.)
 Hine, Alfred E., Sedalia, assignor to E. W. Bacharach, Kansas City, Mo. Intermittent driving mechanism. 1,942,028; Jan. 2.
 Hine, Alfred E., Sedalia, assignor to E. W. Bacharach, Kansas City, Mo. Device for transmitting intermittent motion. 1,976,226; Oct. 9.
 Hine, John A., Riverside, and R. V. Hine, Beverly Hills, Calif. Dispensing device. 1,961,880; June 5.
 Hine, Robert V. (See Hine, John A. and R. V.)
 Hine, Edson S. (See Petit, William H., assignor.)
 Hine, Edson S. (See Petit, W. H. and Hine.)
 Hine, Edson S., assignor to Folmer Graflex Corporation, Rochester, N. Y. Film magazine. 1,977,569; Oct. 16.
 Hines, Bertha, Garnerville, N. Y. Glove pocket. 1,982,431; Nov. 27.
 Hines, Edward W., trustee. (See McFadin, Searcy L., assignor.)
 Hines, Edward, Western Pine Co. (See Pettibone, Charles J., assignor.)
 Hines, John E., Saugus, assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Rotary display stand. 1,984,343; Dec. 11.
 Hines, Joseph E., Commodore, Pa. Headlight. Des. 91,824; Mar. 27.
 Hinst, Henry W., Emerson, Nebr. Staple pulling tool. 1,946,742; Feb. 13.
 Hink, Charles A., Grinnell, Iowa. Wheel aligner. 1,970,092; Aug. 14.
 Hinkle, Benjamin L., Birmingham, Ala. Stormproof louver. 1,972,991; Sept. 11.
 Hinman, Wilbur S., jr., Falls Church, Va. Filter for radio signals. 1,954,295; Apr. 10.
 Hinsch, Charles L., Piqua, Ohio. Paper cutter. 1,968,488; July 31.
 Hinsch, Johannes. (See Siemen, O., and Hinsch.)
 Hinsdale Manufacturing Company. (See Woolsey, C. A., and Bowman, assignors.)
 Hinshaw, Joseph H., trustee. (See Barnes, Allen L., assignor.)

- Hinsky, Anthony P., assignor, by mesne assignments, to Pyro Products Corporation, Brooklyn, N. Y. Heat-resisting fixture wire and making the same. 1,955,424; Apr. 17.
- Hinsky, Anthony P., assignor, by mesne assignments, to Pyro Products Corporation, Brooklyn, N. Y. Producing electric conductors. 1,956,575; May 1.
- Hinsky, Anthony P., assignor, by mesne assignments, to Pyro Products Corporation, Brooklyn, N. Y. Device for applying coatings to electric conductors. 1,956,576; May 1.
- Hinsky, Anthony P., assignor, by mesne assignments, to Pyro Products Corporation, Brooklyn, N. Y. Characterized electric conductor and the like. 1,956,951; May 1.
- Hinsky, Anthony P., assignor, by mesne assignments, to Pyro Products Corporation, Brooklyn, N. Y. Device for applying coatings to electric conductors. 1,957,212; May 1.
- Hinton, Francis J., Milwaukee, Wis. Producing colored pictures. 1,957,646; May 8.
- Hintz, Paul, assignor to The Marshall Manufacturing Company, Marshall, Tex. Method and machine for making baskets. 1,964,635; June 26.
- Hinz, Ernest E., et al. (See Phillips, Bertram T., assignor.)
- Hinz Fabric G. m. b. H. (See Lukacs, Elmer, assignor.)
- Hipp, Richard, jr., Pomaria, S. C. Vehicle headlight control apparatus. 1,942,289; Jan. 2.
- Hippmann, Karl, Selb Bavaria, Germany, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 92,307; May 22.
- Hipwell, Harry T., Pittsburgh, Pa. Game device. 1,959,024; May 15.
- Hires, John E. (See Vernon, W. G., Parsons, and Hires.)
- Hires, John E., Ardmore, assignor to The Florex Gardens, Inc., North Wales, Pa. Perforating an identifying trade mark on natural leaves of flowers and other plant life. 1,963,902; June 19.
- Hirmann, Julius, Hillside, N. J., assignor to Radio Corporation of America. Tube base and socket. 1,976,561; Oct. 9.
- Hirsch, Alfred. (See Elledge, H. G., and Hirsch.)
- Hirsch, Benjamin F., Hollis, Long Island, assignor to Davis & Geck, Inc., Brooklyn, N. Y. Suture package. 1,962,900; June 12.
- Hirsch, Charles J., New Rochelle, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Radio apparatus. 1,968,889; Aug. 7.
- Hirsch, George B., Pawtucket, R. I. Frequency control device. 1,942,599; Jan. 9.
- Hirsch, Harry A., New York, N. Y. Combined lounge robe and jacket. 1,958,045; May 8.
- Hirsch, Louis, Textile Machines, Inc. (See Friedmann, Albert, assignor.)
- Hirsch, Nathan. (See Newbery, John W., and J. G., assignors.)
- Hirsch, Paul A., New York, N. Y. Pulverizing machine. 1,955,960; Apr. 24.
- Hirsch, Stephen G., assignor to Ocean City Manufacturing Co., Philadelphia, Pa. Reel. 1,974,333; Sept. 18.
- Hirsch, Sylvan R., East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Compressor. 1,969,076; Aug. 7.
- Hirschberg, Gerhard. (See Feiler, P., and Weigmann, and Hirschberg.)
- Hirschfeld, Alfred P., Meriden, Conn., and W. O. Tuckerman, Hyde Park, Mass., assignors to The Bradley & Hubbard Mfg. Co., Meriden, Conn. Cigarette server. Des. 92,001; Apr. 17.
- Hirschfeld, Rudolf, New York, N. Y. Waistcoat. Des. 92,536; June 19.
- Hirschhorn, Benjamin, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Bag for coffee percolators. 1,947,523; Feb. 20.
- Hirschhorn, Louis, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Receptacle. 1,972,264; Sept. 4.
- Hirschhorn, Louis, and H. Irmscher, assignors to Millie Patent Holding Co., Inc., New York, N. Y. Combination tag feeding and cutting mechanism. 1,955,808; Apr. 24.
- Hirschhorn, William A., Brooklyn, N. Y. Lady's hand bag. Des. 93,015; Aug. 14.
- Hirschkind, Wilhelm. (See Hagens, J., Rosenstein, and Hirschkind.)
- Hirschkind, Wilhelm, and H. Bender, Antioch, assignors to Great Western Electro-Chemical Co., San Francisco, Calif. Manufacture of ammonium phosphates and other salts. 1,971,563; Aug. 28.
- Hirschl, Harry, Washington, Mo. Burnishing the interior of corn cob pipe bowls. 1,975,692; Oct. 2.
- Hirschler, Horace L., San Francisco, Calif. Thermostat. 1,950,891; Mar. 13.
- Hirsh, Allan M., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Leakproofing pipe joints. 1,959,532; May 22.
- Hirsh, Fred, New York, N. Y., assignor to Adjusta Company, Buckle. Des. 93,165; Aug. 28.
- Hirsh, Fred, assignor to Adjusta Company, New York, N. Y. Buckle. 1,965,415; July 3.
- Hirsh, Jay E. (See Re Vley, D. G., and Hirsh.)
- Hirshfeld, Clarence F., Detroit, Mich. Apparatus for dust separation. 1,958,577; May 15.
- Hirt, Leon E., assignor to Hirt Solvent Process Company, Fort Worth, Tex. Conveyor. 1,941,604; Jan. 2.
- Hirt Solvent Process Company. (See Hirt, Leon E., assignor.)
- Hirth, Alphonse, Burnhaupt-le-Haut, France. Apparatus for grinding cutter bars of mowing machines. 1,943,529; Jan. 16.
- Hirzel, Alfred S., Wilmington, Del. Production of asphalt paving mixtures. 1,954,997; Apr. 17.
- Hirzel, Alfred S., Wilmington, Del. Manufacture of cold mix paving material. 1,975,458; Oct. 2.
- Hiscock, Ernst J., Trowbridge, England. Machine for grading articles by weight. 1,959,237; May 15.
- Hiscocks, Alfred C. (See Stauchell, F. A., and Hiscocks.)
- Hise, John P. and P. B., Staunton; said John P. Hise assignor to H. A. Driver, Mount Sidney, Va. Fence post. 1,951,282; Mar. 13.
- Hise, Paul B. (See Hise, John P. and P. B.)
- Hisey-Wolf Machine Company, The. (See Ritz, Emil, jr., assignor.)
- Hiss, John M., Los Angeles, Calif. Foot exerciser. 1,963,903; June 19.
- Hiss, John M., Columbus, Ohio. Footometer. 1,973,435; Sept. 11.
- Histed, James E., assignor of one-half to H. E. Pursell, Hollywood, Calif. Burner. 1,954,173; Apr. 10.
- Hitch, Emmet F., M. A. Dahlen, and M. E. Friedrich, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorinated arylamides. 1,982,661; Dec. 4.
- Hitchcock, Forest B., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,983,510; Dec. 4.
- Hitchcock, Raymond A., assignor to T. B. Martin, trustee for T. B. Martin, W. T. Walliford, and R. A. Hitchcock, Macon, Ga. Washing and drying machine. 1,971,979; Aug. 28.
- Hitchcock, Raymond A., assignor to T. B. Martin, trustee for T. B. Martin, W. T. Walliford, and R. A. Hitchcock, Macon, Ga. Washing machine. 1,971,980; Aug. 28.
- Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper handling machine. 1,946,142; Feb. 6.
- Hitchcock, Reuben, assignor, by mesne assignments, to The Reliance Electric and Engineering Company, Cleveland, Ohio. Ash remover. 1,971,716; Aug. 28.
- Hitchcock, Reuben, Bratenahl, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper handling machine. 1,946,143; Feb. 6.
- Hitchcock, Rex B. (See Lindgren, A. C., Raney, and Hitchcock.)
- Hitchcock, Rex B., Croix-Wasquehal, France, assignor to International Harvester Company. Gathering means for corn pickers. 1,948,917; Feb. 27.
- Hitchcock, Richard C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company. Traffic control system. 1,982,341; Nov. 27.
- Hitchcock, William J., Scotia, N. Y., assignor to General Electric Company. Gas conduction device. 1,951,150; Mar. 13.
- Hitchiner, Frank, Jamestown, N. Y. Auto headlight shield. 1,963,201; June 19.
- Hite, Melville P., Elizabeth City, N. C. Calculating device. 1,961,295; June 5.
- Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for melting vitreous materials. 1,956,171; Apr. 24.
- Hitsbew, Oliver, Keeline, Wyo. Warning signal. 1,952,804; Mar. 27.
- Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)
- Hixley Electric Company. (See Hixon, A. J., and Hooley, assignors.)
- Hixon, Alfred J., Braintree, Mass., and J. W. Hooley, Larchmont, assignors to Hixley Electric Company, New York, N. Y. Combination cable support and cable connector. 1,960,153; May 22.
- Hixon, Ralph M., J. H. McGlumphy, J. W. Eichinger, jr., and J. H. Buchanan, assignors to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Isolating levulose as the lime levulose. 1,970,605; Aug. 21.
- Hjerpe, Eric B., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Manufacture of ethyl chloride from petroleum refinery gas. 1,944,839; Jan. 23.
- Hjort, John F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Making bobbin rings. 1,973,436; Sept. 11.
- Hladik, Ladislav. (See Langner, H., and Hladik.)
- Hlavaty, Charles F. (See Wirtz, H., jr., and Hlavaty.)
- Hnath, Michael, Ashuelot, N. H. Cigarette dispenser. 1,972,591; Sept. 4.
- Hoadley, Harry W., Findlay, Ohio. Steam generator. 1,945,313; Jan. 30.
- Hoag, Martin R., Chicago, Ill. Headlight for automobiles or the like. Des. 92,353; May 29.
- Hoag, Martin R., Chicago, Ill. Headlight construction. 1,948,264; Feb. 20.
- Hoag, Wilton F. (See Johnson, L. W., and Hoag.)
- Hoagland, Frank O. (See Burt, C. R., and Hoagland.)
- Hoagland, Frank O. (See Drissner, A. E., Hoagland, Lange, Lundberg, and Lovely.)
- Hoagland, Frank O., West Hartford, assignor to Pratt & Whitney Company, Hartford, Conn. Tracer controlled lathe. 1,948,617; Feb. 27.
- Hoagland, Frank O., West Hartford, assignor to Pratt & Whitney Company, Hartford, Conn. Chuck retaining means. 1,980,336; Nov. 13.
- Hoague-Sprague Corporation. (See Hudson, Albert E., assignor.)

- Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
- Hoague-Sprague Corporation. (See Stanyan, Starr W., assignor.)
- Hoak, Percy E., Des Moines, Iowa. Laminated wood culvert and the like. 1,956,717; May 1.
- Hoak, Percy E., Des Moines, Iowa. Wood conduit drainage structure. 1,970,853; Aug. 21.
- Hoare, Arthur, Carisbrooke, assignor of one-half to J. Samuel White & Company Limited, East Cowes, Isle of Wight, England. Filter or strainer. 1,979,200; Oct. 30.
- Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Differential electrical measuring appliance. 1,985,095; Dec. 18.
- Hoare, Stephen C., Manchester and B. H. Parker, Lynn, Mass., assignors to General Electric Company. Electrical measuring instrument. 1,976,493; Oct. 9.
- Hoban, Fairfield W., assignor to Fairfield Specialties Corporation, New York, N. Y. Testing coins or other tokens for genuineness. 1,945,529; Feb. 6.
- Hoban, Fairfield W., assignor to Fairfield Specialties Corporation, New York, N. Y. Distinguishing between genuine and spurious checks. 1,971,524; Aug. 28.
- Hoban, Fairfield W., assignor to Fairfield Specialties Corporation, New York, N. Y. Testing coins or other tokens for genuineness. 1,972,097; Sept. 4.
- Hobart Bros. Company, The. (See Hobart, Edward A., assignor.)
- Hobart, Clarence L., Riverside, assignor to Electric Fruit Marking Company, Los Angeles, Calif. Counter. 1,963,327; June 19.
- Hobart, Edward A., Troy, Ohio. Weldrod. 1,956,864; May 1.
- Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Control mechanism for gas driven welders. 1,959,674; May 22.
- Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Control of electric welding circuits. 1,970,854; Aug. 21.
- Hobart, Floyd B., assignor to The Battelle Memorial Institute, Columbus, Ohio. Lightweight ceramic material and making the same. 1,944,007; Jan. 16.
- Hobart, Floyd B., assignor to The Battelle Memorial Institute, Columbus, Ohio. Heat insulating material and making the same. 1,944,008; Jan. 16.
- Hobart, Louis C., Southington, Conn. Razor blade sharpener. 1,974,048; Sept. 18.
- Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
- Hobart Manufacturing Company, The. (See Meeker, David A., assignor.)
- Hobbs, Howard F., Paradise, South Australia, Australia. Transmission mechanism. 1,972,484; Sept. 4.
- Hobbs, James C., Painesville, Ohio. Boiler furnace. 1,964,413; June 26.
- Hobbs, John W., assignor to George W. Borg Corporation, Chicago, Ill. Apparatus for illuminating clock dials and the like. 1,941,553; Jan. 2.
- Hobbs, John W., assignor to The George W. Borg Corporation, Chicago, Ill. Automatic starting system and apparatus. 1,964,155; June 26.
- Hobbs, Ralph, Grand Rapids, Mich. Safety box. 1,955,809; Apr. 24.
- Hoberg, Arthur S., Horicon, J. Schabel, Mayville, and E. C. Schwantes, Horicon, Wis. Hopper discharge mechanism. 1,955,368; Apr. 17.
- Hoberg Paper & Fibre Company. (See Vaniten, John P., assignor.)
- Hoberizer Company of America, Inc. (See Lush, Wilfred H., assignor.)
- Hobler, Frank C., Elmira, N. Y. Automobile spring shackle. 1,948,110; Feb. 20.
- Hobler, Tadeusz, Paris, France, assignor to firm Hydro Nitro S. A., Geneva, Switzerland. Utilization of heat in ammonia oxidation-nitric acid pressure processes. 1,954,317; Apr. 10.
- Hobson, Frederick B. (See Turnbull, A., and Hobson.)
- Hobson, Leland S., Folcroft, Pa., assignor to General Electric Company. Electric circuit breaker. 1,957,213; May 1.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Pump unit. 1,947,551; Feb. 20.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Pumping unit. 1,953,606; Apr. 3.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Cover for cooking tops. 1,973,072; Sept. 11.
- Hoch, Henry W., assignor to London Weatherproofs, Inc., New York, N. Y. Garment. 1,971,682; Aug. 28.
- Hochbaum, Jacob, Philadelphia, Pa. Safety device for garages. 1,959,918; May 22.
- Hochberger, Ernst, Hawkesbury, Ontario, assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Manufacturing sulphite pulp. 1,971,564; Aug. 28.
- Hochberger, Ernst, Hawkesbury, Ontario, assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Manufacturing sulphite pulp. 1,977,879; Oct. 23.
- Hochheim, Ernst. (See Winkler, F., Hochheim, and Bergmann.)
- Hochman, Julius C., assignor to Eagle Pencil Company, New York, N. Y. Compass. Des. 91,522; Feb. 20.
- Hochmeyer, Clive E., Lowell, Mass. Tandem shoe bag. 1,974,156; Sept. 18.
- Hochmuth, Carl. (See Friedman, H., and Hochmuth.)
- Hochon, Robert E., Neuilly-sur-Seine, France. Portable electric lamp. 1,978,202; Oct. 23.
- Hochriem, Gustav F. (See Rhodes, S. A., and Hochriem.)
- Hochschwender, Ernst. (See Pier, M., and Hochschwender.)
- Hochschwender, Ernst, and M. Josenhaus, Leuna, Germany, assignors to Standard I. G. Company, Linden, N. J. Recovery of hydrogen from gases containing hydrogen and hydrocarbons. 1,977,992; Oct. 23.
- Hochstetter, Frederick W., Pittsburgh, Pa. Translucent material. 1,951,933; Mar. 20.
- Hochstetter, Frederick W., Pittsburgh, Pa. Plied aqueous cellulose film. 1,972,383; Sept. 4.
- Hochstetter, Frederick W., Pittsburgh, Pa., assignor to Treedale Laboratories, Inc. Flame-proofing composition of matter and making the same. 1,961,045; May 29.
- Hochstetter, Paul, et al. (See Ziehe, Wilhelm, assignor.)
- Hochstetter, Paul E., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,976,499; Oct. 9.
- Hochwalt, Carroll A. (See Thomas, C. A., and Hochwalt.)
- Hochwalt, Carroll A., and P. E. Marling, Dayton, Ohio, assignors to The Sharples Solvents Corporation, Philadelphia, Pa. Dehydration of nitrocellulose and production of lacquers containing the same. 1,961,120; May 29.
- Hockenyo, George L. (See Flint, W. P., and Hockenyo.)
- Hocking, Richard O. (See Butler, E., Knickerbocker, and Hocking.)
- Hockley, Chester F., receiver. (See Abbott, Cornelius F.)
- Hockley, Chester F., receiver. (See Adair, S. T., and Cushing.)
- Hockley, Chester F., receiver. (See Connolly, Gerald C., assignor.)
- Hockley, Chester F., receiver. (See Connolly, G. C., and Pierce, assignors.)
- Hockley, Chester F., receiver. (See Connolly, G. C., and Wurzbacher, assignors.)
- Hockley, Chester F., receiver. (See Lewis, Samuel R., assignor.)
- Hockley, Chester F., receiver. (See Miller, Ernest B., assignor.)
- Hockley, Chester F., receiver. (See Miller, E. B., and Connolly.)
- Hockley, Chester F., receiver. (See Shoosmith, Guy T., assignor.)
- Hockman, Ashby J., Portsmouth, Va. Steering gear safety device. 1,983,459; Dec. 4.
- Hockman, Christian R. (See Arnest, H. L., and Hockman.)
- Hodecker, Wilhelm. (See Batschuk, M., and Hodecker.)
- Hodes, Adam K., Fremont, Ohio. Mat. 1,982,515; Nov. 27.
- Hodge, Charlie R., Taft, Tenn. Communication chart. 1,962,687; June 12.
- Hodge, Edward B. (See Hass, H. B., Hodge, and Vanderbilt.)
- Hodge, Hugh M. (See Krueger, W. E., and Hodge.)
- Hodge, James C., and M. Christensen, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Welding electrode. 1,979,264; Nov. 6.
- Hodge, Lewis F., Phenix City, Ala., and R. B. Hodge, Atlanta, Ga. Picker stick check for looms. 1,961,046; May 29.
- Hodge, Robert B. (See Hodge, Lewis W., and R. B.)
- Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Slide buckle. 1,971,140; Aug. 21.
- Hodges, Edward A., Newkirk, Okla. Smoking pipe. 1,960,489; May 29.
- Hodges, Frederick W., Grosse Pointe, assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,953,897; Apr. 3.
- Hodges, Lester E. (See Pearmain, W. J., and Hodges.)
- Hodges, Lester E., Houston, Tex. Clutch for draw works. 1,985,261; Dec. 25.
- Hodgkins, Albert A., Leonia, N. J., assignor to Almarc, Inc., New York, N. Y. Pneumatic clutch actuator. 1,969,462; Aug. 7.
- Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Timing device. 1,948,758; Feb. 27.
- Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker releasing mechanism. 1,951,243; Mar. 13.
- Hodgkinson, Edward J. (See Eley, A., and Hodgkinson.)
- Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing construction. 1,943,891; Jan. 16.
- Hodgkinson, Francis, Philadelphia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydraulic elevator apparatus. 1,959,786; May 22.
- Hodgman, Frederick S., Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrical steering device for ships. 1,946,693; Feb. 13.
- Hodgman, Frederick S., Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Sensitive remote control system and automatic pilot. 1,965,378; July 3.
- Hodgman Rubber Company. (See Sindler, Jay J., assignor.)
- Hodgman, Willis K. Jr., Taunton, Mass. Automatic sprinkler. 1,943,480; Jan. 16.

- Hodgson, John L., Luton, assignor to George Kent, Limited, London, England. Rotary gas flow meter. 1,963,904; June 19.
- Hodgson, John L., and H. E. Dall, Luton, assignors to George Kent, Limited, London, England. Variable orifice for measuring the flow of fluids. 1,946,819; Feb. 6.
- Hodgson, John L., and A. E. Hutson, Luton, assignors to George Kent, Limited, London, England. Meter for measuring fluids. 1,950,241; Mar. 6.
- Hodgson, John L., G. P. E. Howard and A. Ivanoff, Luton, assignors to George Kent Limited, London, England. Apparatus for controlling a variable. 1,953,406; Apr. 3.
- Hodgson, John L., and F. Gray, Luton, assignors to George Kent, Limited, London, England. Cut-out valve. 1,954,701; Apr. 10.
- Hodgson, John L., G. P. E. Howard, and A. Ivanoff, Biscot Road Works, Luton, assignors to George Kent Limited, London, England. Automatic recording and/or controlling apparatus. 1,982,053; Nov. 27.
- Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Vented container. 1,958,513; May 15.
- Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Body maker. 1,966,392; July 10.
- Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Oil dispenser. 1,975,003; Sept. 25.
- Hodnette, John K., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 1,973,073; Sept. 11.
- Hodos, Steve J., San Francisco, Calif. Burglar alarm system. 1,964,353; June 26.
- Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Teat cup for milking machines. 1,955,810; Apr. 24.
- Hodsdon, Floyd G., La Grange, Ill., assignor to International Harvester Company. Pump. 1,964,515; June 26.
- Hodshon, Alfred E., Bethel, Conn. Hat construction and method and apparatus for making the same. 1,944,791; Jan. 23.
- Hodson, Walter D., Chicago, Ill., and I. J. Simmons, Clairton, Pa. Method of and apparatus for treating metal castings. 1,957,456; May 8.
- Hodson, Walter D., Chicago, Ill. Lime soap grease. 1,982,662; Dec. 4.
- Hoe, R., & Co. (See Eckhard, William K., assignor.)
- Hoe, R., & Co. (See Ginsberg, Charles W., assignor.)
- Hoe, R., & Co. (See Horton, Albert J., assignor.)
- Hoe, R., & Co. (See Horton, A. J., and Eckhard.)
- Hoe, R., & Co. (See Huck, William F., assignor.)
- Hoe, R., & Co. (See Jung, Albert H., assignor.)
- Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)
- Hoe, R., & Co. (See Lamatsch, F., and Ginsberg, assignors.)
- Hoe, R., & Co. (See Quick, C. G., Marshall, Ball, and Whitehead.)
- Hoe, R., & Co. (See Quick, C. G., and Whitehead, assignors.)
- Hoe, R., & Co. (See Salzer, Gottfried, assignor.)
- Hoe, R., & Co. (See Shipley, Clifford L., assignor.)
- Hoe, R., & Co. (See Spillane, James D., assignor.)
- Hoe, R., & Co. (See Springstead, John F., assignor.)
- Hoe, R., & Co. (See Tomlin, John R., assignor.)
- Hoe, R., & Co., Inc. (See Ball, Harry V., assignor.)
- Hoe, R., & Co., Inc. (See Davis, Harry, assignor.)
- Hoe, R., & Co., Inc. (See Eckard, William K., assignor.)
- Hoe, R., & Co., Inc. (See Ginsberg, Charles W., assignor.)
- Hoe, R., & Co., Inc. (See Graf, Albert J., assignor.)
- Hoe, R., & Co., Inc. (See Hezel, Hermann, assignor.)
- Hoe, R., & Co., Inc. (See Horton, Albert J., assignor.)
- Hoe, R., & Co., Inc. (See Huck, William F., assignor.)
- Hoe, R., & Co., Inc. (See Lamatsch, Frederick, assignor.)
- Hoe, R., & Co., Inc. (See Lamatsch, F., and Ginsberg, assignors.)
- Hoe, R., & Co., Inc. (See Lundquist, Arvid, assignor.)
- Hoe, R., & Co., Inc. (See Lundquist, A., and Spillane, assignors.)
- Hoe, R., & Co., Inc. (See Mohan, Edward J., assignor.)
- Hoe, R., & Co., Inc. (See Quick, C. G., and Marshall, assignors.)
- Hoe, R., & Co., Inc. (See Quick, C. G., Ball, and Whitehead.)
- Hoe, R., & Co., Inc. (See Springstead, John F., assignor.)
- Hoe, R., & Co., Inc. (See Strain, William J., assignor.)
- Hoe, R., & Co., Inc. (See Tomlin, John R., assignor.)
- Hoe, Robert, Hyde Park, N. Y. Shelling apparatus. 1,959,427; May 22.
- Hoe, Robert, Hyde Park, N. Y. Apparatus for peeling vegetables and the like. 1,966,501; July 17.
- Hoe, Robert, Hyde Park, N. Y. Power unit. 1,983,292; Dec. 4.
- Hoe, Robert, Hyde Park, N. Y. Slicing mechanism. 1,983,666; Dec. 11.
- Hoeker, Albert C., St. Louis, Mo. Combined jack and bumpers. Des. 91,462; Feb. 6.
- Hoedl, Joseph J., Jr., assignor of one-third to F. Gangel, Jr., and one-third to H. C. Munro, Kansas City, Mo. Barrel hoist, stand, and truck. 1,974,675; Sept. 25.
- Hoefler, Harrison B., Milwaukee, Wis. Pipe cutter. 1,985,541; Dec. 25.
- Hoefleur, Arthur, assignor to Standard Oil Company, Chicago, Ill. Barrel handling machinery. 1,943,530; Jan. 16.
- Hoefler, Carl. (See Cullen, W. L., Roth, and Hoefler.)
- Hoefler, Herbert G., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird bath. Des. 92,308; May 22.
- Hoeflich, Julius G., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Mounting for article display purposes. Des. 92,400; June 5.
- Hoelt, Adolph R., Evanston, assignor to Hoelt & Company, Inc., Chicago, Ill. Oil burner. 1,948,857; Feb. 27.
- Hoelt & Company. (See Hoelt, Adolph R., assignor.)
- Hoelt & Company. (See Lindgren, Waldemar L., assignor.)
- Hoegger, Joseph A. (See Hoegger, Joseph A., Jr., assignor.)
- Hoegger, Joseph A. (See Mohr, Otto, assignor.)
- Hoegger, Joseph A., Jersey City, N. J. Side light attachment for mirrors. 1,948,111; Feb. 20.
- Hoegger, Joseph A., Jersey City, N. J. Bottle opener. 1,975,606; Oct. 2.
- Hoegger, Joseph A., Weehawken, N. J. Illuminated mirror attachment. 1,948,112; Feb. 20.
- Hoegger, Joseph A., Jr., Weehawken, assignor to J. A. Hoegger, Jersey City, N. J. Thermostatically controlled mixing valve. 1,972,562; Sept. 4.
- Hoegger, Joseph A., North Bergen, N. J. Fixture attachment. 1,962,739; June 12.
- Hoegger, Joseph A., North Bergen, N. J. Wall cabinet and clock. 1,973,871; Sept. 18.
- Hoeh, Frederick A., Boston, Mass. Box partition. 1,965,143; July 3.
- Hoeke, Fred A., Homewood, Ala., assignor to General Electric Company. Control system. 1,946,282; Feb. 6.
- Hoelkeskamp, Franz. (See Zart, A., and Hoelkeskamp.)
- Hoelkeskamp, Franz, Wuppertal-Wichlinghausen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Incorporation of metal-compounds into textiles. 1,947,597; Feb. 20.
- Hoelkeskamp, Franz, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Impregnation of textiles. 1,984,306; Dec. 11.
- Hoelscher, William G., Norwood, assignor to The American Tool Works Company, Cincinnati, Ohio. Tailstock for lathes. 1,966,409; July 10.
- Hoelscher, William G., Norwood, assignor to The American Tool Works Company, Cincinnati, Ohio. Reversing gear and clutch mechanism. 1,971,955; Aug. 28.
- Hoelscher, William G., Norwood, assignor to The American Tool Works Company, Cincinnati, Ohio. Lathe. 1,971,956; Aug. 28.
- Hoelscher, William G., Norwood, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio. Feed box transmission. 1,982,612; Nov. 27.
- Hoener, Gustav A., Detroit, Mich. Bending machine. 1,982,164; Nov. 27.
- Hoenie, Norman J. (See Landis, G. G., and Hoenie.)
- Hoeng, Franz, New York, N.Y. Textile fabric or the like. Des. 91,662; Mar. 6.
- Hoerbiger, Alfred, Mauer, near Vienna, and R. Köhler, Vienna, assignors to the firm Hoerbiger & Co., Mauer, near Vienna, Austria. Annular valve. 1,948,375; Feb. 20.
- Hoerbiger & Co. (See Hoerbiger, A., and Köhler, assignors.)
- Hoern, Joseph H., Saginaw, assignor to Wilcox-Rich Corporation, Detroit, Mich. Making gapped piston rings. 1,964,156; June 26.
- Hoese, Anthony F., assignor to Peerless Ice Machine Company, Chicago, Ill. Temperature control for refrigerating systems. 1,964,636; June 26.
- Hoewel, Herman F., New York, N. Y. Antivibration support. 1,951,020; Mar. 13.
- Hoewel, Herman F., New York, N. Y. Wall covering and making same. 1,960,440; May 29.
- Hofer, Anton, executor. (See Gretsche, Viktor.)
- Hofer, Anton, and F. Danner, assignors to Edward J. Kastenholz, Milwaukee, Wis. Safe. 1,944,430; Jan. 23.
- Hofer, Hans, Aarau Switzerland. Manufacturing electrical heating bars. 1,973,629; Sept. 11.
- Hoff, Clayton M., Lakewood, and H. H. Blouch, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Spark plug. 1,963,302; June 19.
- Hoff, Earl B., Cleveland Heights, Ohio. Safety razor and stropper. 1,952,253; Mar. 27.
- Hoff, Gust C. (See La Hodny, W., and Hoff.)
- Hoff, Louis R., New Rochelle, and G. D. Kellogg, Pelham Manor, assignors to Johns-Manville Corporation, New York, N. Y. Acoustical construction. 1,978,632; Oct. 30.
- Hoffa, Erwin, and H. Heyna, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Indigoid dyestuffs. 1,959,474; May 22.
- Hoffberger, C., Company, The. (See Hoffberger, Jacob H., assignor.)
- Hoffberger, Jacob H., assignor to The C. Hoffberger Company, Baltimore, Md. Refrigerator. 1,951,305; Mar. 13.
- Hoffer, Le Roy H., assignor to Metropolitan Device Corporation, Brooklyn, N. Y. High tension electric fuse. 1,953,348; Apr. 3.
- Hoffer, Le Roy H., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding machine. 1,968,079; July 31.
- Hofferbert, Orrin, assignor to Malleable Iron Range Company, Beaver Dam, Wis. Range. Des. 93,221; Sept. 4.
- Hofferberth, George F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,953,392; May 8.

- Hofferberth, George F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,978,460; Oct. 30.
- Hofferberth, William, Baltimore, Md. Valve. 1,956,235; Apr. 24.
- Hoffheimer, Arthur B., and S. M. Kaufman, Chicago, Ill. Window valance. 1,952,069; Mar. 27.
- Hofflin, Elizabeth, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner dust bag. Des. 91,562; Feb. 20.
- Hofflund, Stanley, Santa Monica, Calif. Golf practice apparatus. 1,965,838; July 10.
- Hoffman, Albert F., assignor to Hoffman Beverage Company, Newark, N. J. Bottle cleaning device. 1,949,206; Feb. 27.
- Hoffman, Albert F., South Orange, and H. E. Rue, East Orange, N. J. Bottle wrapper. 1,951,019; Mar. 13.
- Hoffman, Andrew. (See Bock, Charles S., assignor.)
- Hoffman Beverage Company. (See Cubberley, Amariah H., assignor.)
- Hoffman Beverage Company. (See Hoffman, Albert F., assignor.)
- Hoffman Beverage Company. (See Hoffman, W. G., and Hartig, assignors.)
- Hoffman, David H. (See Lauter, Fred I., assignor.)
- Hoffman, Dorsey E., South Fork, Pa. Safety device. 1,963,701; June 19.
- Hoffman, Erwin F., Madison, Wis. Baby incubator. 1,947,007; Feb. 13.
- Hoffman, Ethel H., Washington, D. C. Sun shield for the nose. 1,962,818; June 12.
- Hoffman, Frank J. (See Mitzen, F., and Hoffman.)
- Hoffman, Fred D., Cleveland, Ohio, assignor, by mesne assignments, to R. F. Kehr. Fuel conditioning apparatus. Re19,317; Sept. 18.
- Hoffman, Fred D., assignor, by mesne assignments, to H. J. Monson, Cleveland, Ohio, trustee. Domestic stoker. 1,962,689; June 12.
- Hoffman, Fred D., assignor to R. F. Kehr, St. Louis, Mo., trustee. Stoker. 1,970,523; Aug. 14.
- Hoffman, George D., Pasadena, assignor, by mesne assignments, to Thermador Electrical Manufacturing Company, Los Angeles, Calif. Electric heater. 1,948,759; Feb. 27.
- Hoffman, Jacques. (See Shaw, C. G., and Hoffman.)
- Hoffman, Jay C., Akron, Ohio. Railway signaling system. 1,967,555; July 24.
- Hoffman, John E., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,951,912; Mar. 20.
- Hoffman, John F., assignor to Baker Ice Machine Company, Incorporated, Omaha, Neb. Automatic control for refrigeration systems. 1,958,087; May 8.
- Hoffman, Laurence N., assignor to The Shelby Metal Products Company, Shelby, Ohio. Window lock. 1,950,176; Mar. 6.
- Hoffman, Morris J., Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y. Coupon ticket printing machine. 1,957,167; May 1.
- Hoffman, Morris J., Chicago, Ill., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Dual production and cost control recorder. 1,978,901; Oct. 30.
- Hoffman, Morris J., Chicago, Ill., assignor to International Business Machines Corporation, New York, N. Y. Type inserting mechanism for printing machines. 1,982,003; Nov. 27.
- Hoffman, O. M. (See Conrads, H., and Laas, assignors.)
- Hoffman, Raoul J., assignor of one-half to J. L. Young-husband, Chicago, Ill. Aircraft. 1,981,700; Nov. 20.
- Hoffman, Raoul J., assignor of one-half to J. L. Young-husband, Chicago, Ill. Flying wing. 1,981,701; Nov. 20.
- Hoffman, Raymond O., Vineland, N. J. Furnace. 1,976,883; Oct. 16.
- Hoffman, Roscoe C., Detroit, Mich. Power plant. 1,947,045; Feb. 13.
- Hoffman, Roscoe C., Detroit, Mich. Universal joint. 1,947,046; Feb. 13.
- Hoffman, Roscoe C., Detroit, Mich. Motor vehicle. 1,976,071; Oct. 9.
- Hoffman, Roy M., Jeannette, and C. F. Northart, Pittsburgh, Pa. Toothbrush. 1,946,283; Feb. 6.
- Hoffman, Rudolph, Rocky River, Ohio, assignor to American Stove Company, St. Louis, Mo. Range. Des. 93,397; Sept. 25.
- Hoffman, Rudolph, Rocky River, Ohio, assignor to American Stove Company, St. Louis, Mo. Heater. Des. 93,657; Oct. 23.
- Hoffman, Sidney G. (See Barlow, R. W., and Hoffman.)
- Hoffman, William G., South Orange, and W. Hartig, assignors to Hoffman Beverage Company, Newark, N. J. Merchandise display rack. 1,973,854; Sept. 18.
- Hoffman, Zachariah S., Essex County, N. J. Carburetor. 1,945,609; Feb. 6.
- Hoffmann, August, Eisenach, Germany. Gyroscopic inclinometer for aircraft. 1,954,998; Apr. 17.
- Hoffmann, Henry, St. Louis, Mo. Game or puzzle. 1,978,107; Oct. 23.
- Hoffmann, Hugo, New York, N. Y., and M. Luedtke, Weehawken, N. J. Automatic die casting machine. 1,984,189; Dec. 11.
- Hoffmann, Kurt. (See Kuppenbender, H., and Hoffmann.)
- Hoffmann, Kurt, Dresden, Germany. Film cooling device. 1,953,713; Apr. 3.
- Hoffmann-La Roche Inc. (See Elger, Franz, assignor.)
- Hoffmann-La Roche Inc. (See Guggenheim, Marcus, assignor.)
- Hoffmann-La Roche, Inc. (See Haussler, Ernst P., assignor.)
- Hoffmann-La Roche Inc. (See Klingenfuss, Max, assignor.)
- Hoffmann-La Roche Inc. (See Preiswerk, E., and Mayer, assignors.)
- Hoffmann-La Roche Inc. (See Schneider, Otto, assignor.)
- Hoffmann-La Roche Inc. (See Stenzl, Hans, assignor.)
- Hoffmann, Paul, Cologne-on-the-Rhine, Germany. Building element. 1,975,043; Sept. 25.
- Hoffmann, Robert R. A., Berlin-Sudende, and W. Rottgart, Berlin-Charlottenburg, assignors to Lohusta Elektro-Akustik G. m. b. H., Berlin, Germany. Loud speaker diaphragm. 1,961,149; June 5.
- Hoffmaster, Byron T., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Counter display package. 1,982,663; Dec. 4.
- Hofmire, John S., Auburn, N. Y. Clothes drier. 1,951,979; Mar. 20.
- Hofner, Thomas A., Mayson, Ind. Motion transmitting device. 1,957,340; May 1.
- Hofstetter, Carl H. and R. F., Erie, Pa. Service drawer mounting for ranges or stoves. 1,943,939; Jan. 16.
- Hofstetter, Carl H. and R. F., Erie, Pa. Cooking range top for stoves or ranges. 1,954,174; Apr. 10.
- Hofstetter, Carl H. and R. F., Erie, Pa. Removable burner box lining for stoves or ranges. 1,962,819; June 12.
- Hofstetter, Robert F. (See Hofstetter, Carl H. and R. F.)
- Hofft, M. A., Company. (See Hofft, M. A., and Squires, assignors.)
- Hofft, Maurice A., Indianapolis, Ind., and W. M. Squires, Cincinnati, Ohio, assignors to The M. A. Hofft Company, Indianapolis, Ind. Refuse burning furnace. 1,984,344; Dec. 11.
- Höfinghoff, Walter. (See Hartmann, A., and Höfinghoff.)
- Hofmann, Alfred, Palisade, assignor to Alfred Hofmann Needle Works, Inc., Union City, N. J. Needle beard forming mechanism. 1,965,592; July 10.
- Hofmann, Alfred, Palisade, and V. Anderson, North Bergen, assignors to Alfred Hofmann & Company, West New York, N. J. Manufacture of tubular glass articles. 1,974,399; Sept. 18.
- Hofmann, Alfred, & Company. (See Anderson, V., and Trutner, assignors.)
- Hofmann, Alfred, & Company. (See Hofmann, A., and Anderson, assignors.)
- Hofmann, Alfred, & Company. (See Knox, Horace B., assignor.)
- Hofmann, Alfred, Needle Works, Inc. (See Hofmann, Alfred, assignor.)
- Hofmann, Edmund, assignor to H. H. Krueger, Chicago, Ill. Cover for heating radiators. Des. 93,104; Aug. 21.
- Hofmann, Felix C., and F. F. Rohl, Berlin, Germany. Method and equipment for lapping spur-helical and internal gears. 1,948,071; Feb. 20.
- Hofmann, Fritz, and K. Lang, Breslau, assignors to the firm Oberschlesischer Berg- und Hüttenmännischer Verein e. v. Gleiwitz, Germany. Production of pure phenol, cresols, and benzol-hydrocarbons from crude tar phenols. 1,947,648; Feb. 20.
- Hofmann, George, Lyons, Ill. Furnace. 1,948,214; Feb. 20.
- Hofmann, George, Boston, Mass. Safety razor. 1,980,202; Nov. 13.
- Hofmann, Hugo, Johnson City, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Apparatus for the production of artificial threads and the like. 1,947,159; Feb. 13.
- Hofmann, Hugo, Johnson City, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Manufacture of artificial filaments. 1,974,273; Sept. 18.
- Hofmann, Karl A., Berlin-Westend, Germany, assignor to Asociacion de Productores de Yodo de Chile, Valparaiso, Chile. Wound treating material. 1,942,061; Jan. 2.
- Hofmann, Max, New York, N. Y. Embroidered textile fabric or similar article. Des. 91,583; Feb. 20.
- Hofmann, Otto U., Philadelphia, Pa., assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Coal base for boilers. 1,967,883; July 24.
- Hofmann, William T. (See Beckman, B. C., and Hofmann.)
- Hofmann, Willy, West New York, and O. F. Gerbert, Union City, assignors to Hopeck Manufacturing Company, Inc., West New York, N. J. Turing machine for making pile fabrics. 1,972,265; Sept. 4.
- Hofsäsz, Max, Amsterdam, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of urea. 1,945,314; Jan. 30.
- Hofsäsz, Max, Amsterdam, Netherlands, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Conversion of unsaturated hydrocarbons such as acetylene into higher boiling products. 1,964,399; June 26.
- Hofsäsz, Max, Mannheim-Neustheim, Germany, assignor to Shell Development Company, San Francisco, Calif. Manufacture of alkali metal salts of fatty acids. 1,951,696; Mar. 20.
- Hofstad, Fridtjof, Jersey City, N. J. Convertible trunk. 1,956,097; Apr. 24.
- Hofstatter, Allen, assignor to Associated Oil Burner Co., Inc., Hartford, Conn. Oil burner. 1,948,420; Feb. 20.

- Hofstetter, Clarence F., Missoula, Mont. Sear mechanism for guns. 1,980,994; Nov. 20.
- Hogaboom, George B., New Britain, Conn., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Cast anode. 1,953,758; Apr. 3.
- Hogan, Edward L., (See Morse, C. T., and Hogan.)
- Hogan, George F., Chicago, Ill. Photographic equipment. 1,945,112; Jan. 30.
- Hogan, George F., Chicago, Ill. Drinking cup. 1,952,435; Mar. 27.
- Hogan, John V. L., Forest Hills, N. Y., and H. P. Donle, Meriden, Conn., assignors to Radio Inventions, Inc., New York, N. Y. Television method and apparatus. 1,943,238; Jan. 9.
- Hogan, John V. L., Forest Hills, assignor to Radio Inventions, Inc., New York, N. Y. Television transmission. 1,976,699; Oct. 9.
- Hogan, Patrick J., Montreal, Quebec, Canada, assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressing pad. 1,943,313; Jan. 16.
- Hogan, Philip, Newton, Mass. Pole reinforcement. 1,950,677; Mar. 13.
- Hogan, Philip, Newton, Mass. Tool for reducing the ends of tubes of ductile metal. 1,950,678; Mar. 13.
- Hogan, William T., et al. (See Young, Ambrose F., assignor.)
- Hoge, John R. (See Shillinger, C. B., and Hoge.)
- Hoge, John R., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Glassware forming machine. 1,959,428; May 22.
- Hoge Manufacturing Company. (See Herbst, Clifford G., assignor.)
- Hoge, William, assignor to The General Fireproofing Company, Youngstown, Ohio. Index for guide cards. 1,969,403; Aug. 7.
- Hogenson, Raymond B., Virginia, Minn. Extension tong. 1,961,421; June 5.
- Högfors, Hans F. B., assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden. Locking device for cash registers, etc. 1,967,531; July 24.
- Högfors, Hans F. B., assignor to Kooperativa Förbundet Förening U. P. A., Stockholm, Sweden. Cash register. 1,979,387; Nov. 6.
- Hogg, Francis, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,969,372; Aug. 7.
- Hogg, Francis, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated. Lubricator. 1,978,348; Oct. 23.
- Hogg, Raymond, La Jolla, Calif. Pocketbook. 1,959,075; May 22.
- Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Circular chaser die head. 1,952,205; Mar. 27.
- Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Device for grinding bottoms of circular chasers. 1,952,206; Mar. 27.
- Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Device for grinding pilot holes in circular chasers. 1,952,207; Mar. 27.
- Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Holding device for chaser blocks. 1,952,316; Mar. 27.
- Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Combined circular chaser and turning tool. 1,978,427; Oct. 30.
- Hoggatt, Gilbert A., Buffalo, assignor to Certain-teed Products Corporation, New York, N. Y. Producing cementitious material. 1,960,538; May 29.
- Hogue, Henry J., Lakewood, assignor to The Wasmer Bolt & Nut Company, Cleveland, Ohio. Apparatus for finishing heads and points of bolts. 1,972,225; Sept. 4.
- Hogue, Henry J., Lakewood, assignor to The Wasmer Bolt & Nut Company, Cleveland, Ohio. Apparatus for finishing bolt heads and points. 1,977,556; Oct. 16.
- Hogue, Henry J., assignor of one-third to C. L. Wasmer and one-third to J. C. Wasmer, Lakewood, Ohio. Method and apparatus for making nuts. 1,982,054; Nov. 27.
- Hogue, John W., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth measuring drum. 1,981,509; Nov. 20.
- Hoguet & Neary. (See Bruckl, John, assignor.)
- Hoguet & Neary. (See Dodge, Harry H., assignor.)
- Hoguet & Neary. (See Fry, Walter L., assignor.)
- Hohenstein, Frederick C., Dunkirk, N. Y. Gas burner. 1,967,884; July 24.
- Hohl, Heinz O., assignor of one-half to the firm Paul Haack, Vienna, Austria. Gas holder with constant pressure. 1,977,130; Oct. 16.
- Hohl, Russell L. (See Copper, M. W., Jr., and Hohl.)
- Hohlt, Albert W. (See Roth, Ludwig, assignor.)
- Hohmann, Frederick R., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,961,494; June 5.
- Hohmann, Julius, assignor of one-eighth to Wayman Rice and one-eighth to Andrew J. Langrill, Enochs, Tex. Binder packer arm and pitman. 1,942,335; Jan. 2.
- Hohn, Max P. E., assignor to the firm "Universelle" Cigaretten-maschinenfabrik J. C. Muller & Co., Dresden, Germany. Grinder for fly cutters. 1,950,177; Mar. 6.
- Holles, Frank A., assignor of one-half to R. E. Cope, Alliance, Ohio. Curtain frame construction. 1,943,763; Jan. 16.
- Hois, Louis J., assignor to Gender, Paeschke & Frey Co., Milwaukee, Wis. Filtering strainer. 1,958,701; May 15.
- Hojnowski, Jakob, Nekoosa, Wis. Aeroplane. 1,947,908; Feb. 20.
- Hokanson, Martin, Duluth, Minn. Refrigerator. 1,956,070; Apr. 24.
- Hokanson, Martin, Duluth, Minn. Refrigerator. 1,961,361; June 5.
- Hokanson, Otto A. (See Bond, R. W., and Hokanson.)
- Hokanson, Otto A. (See Koca, J. F., and Hokanson.)
- Hoke, William E., Baltimore Md., assignor to Dardet Threadlock Corporation, New York, N. Y. Separable fastener and installation thereof. 1,969,796; Aug. 14.
- Hoke, William E., Baltimore, Md., assignor to Dardet Threadlock Corporation, New York, N. Y. Lapping dies. 1,979,689; Nov. 6.
- Hokerk, Lynde D., Utica, N. Y. Appliqué process. 1,948,620; Feb. 27.
- Holahan, Edward, New York, N. Y. Bathing outfit. 1,954,526; Apr. 10.
- Holbeck, Austin A., Lakewood, Ohio. Feeder. 1,977,513; Oct. 16.
- Holbrook, David M., Portland, Oreg. Box and fastener. 1,970,751; Aug. 21.
- Holbrook, Harrison P., Whitman, Mass. Perforating machine. 1,960,009; May 22.
- Holbrook, Henry E., Irvington, assignor to The H. A. Wilson Company, Newark, N. J. Alloy. 1,980,801; Nov. 13.
- Holbrook, Leslie M., Hollywood, Calif. Door handle. 1,944,642; Jan. 23.
- Holbrook, Lewis B., Norwich, Conn. Toy. 1,942,894; Jan. 9.
- Holby, Frank A., assignor to New Jersey Clay Products, Inc., New York, N. Y. Hollow tile block and floor construction. 1,955,498; Apr. 17.
- Holby, Frank A., assignor to New Jersey Clay Products, Inc., New York, N. Y. Hollow tile block. 1,984,972; Dec. 18.
- Holby, Worrell H., New Rochelle, N. Y. Water heater. 1,975,101; Oct. 2.
- Holcomb, Dock A. (See Harban, S. J., and Holcomb.)
- Holcomb, Harry E., Bound Brook, N. J., assignor to Fiberfraks Inc., New York, N. Y. Composite sheeting. 1,941,985; Jan. 2.
- Holcomb, J. I., Manufacturing Company. (See Anderson, Jesse I., assignor.)
- Holcomb, Roger L. (See Read, C. D., and Holcomb.)
- Holcomb, Roland C., Los Angeles, Calif. Pavement expansion clip. 1,976,396; Oct. 9.
- Holden, Charles E., Chicago, Ill. Christmas tree holder. 1,943,269; Jan. 9.
- Holden, John K., Los Angeles, Calif. Extensible platform. 1,947,647; Feb. 20.
- Holden, John W. W., Providence, assignor to Ashaway Line and Twine Manufacturing Company, Ashaway, R. I. Line, twine, and cord. 1,982,304; Nov. 27.
- Holden Knitting Co. (See Burnham, L. H., and Holden, assignor.)
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Discharge tube. 1,945,639; Feb. 6.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Power distributing system. 1,949,570; Mar. 6.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Alternating current power reserve system. 1,951,482; Mar. 20.
- Holder, Franklin B., Santee, Calif. Stamp holder. 1,960,813; May 29.
- Holder, John I., San Mateo County, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Roof structure. 1,952,317; Mar. 27.
- Holder, Joseph R., Ainsworth, Nebr. Spot locating and drying apparatus. 1,984,267; Dec. 11.
- Holder, Roger, M. (See Burnham, L. H., and Holden.)
- Holderer, George B., Scarsdale, assignor to Chile Exploration Company, New York, N. Y. Explosive. 1,960,907; May 29.
- Holderfield, Horace C., assignor of forty-nine per cent to G. I. Waddy, Nashville, Tenn. Lubricating means. 1,985,450; Dec. 25.
- Holdman, J. Harold, et al. (See Wells, Maurice T., assignor.)
- Holdsworth, Harry, New Rochelle, assignor to Fairfax Partition & Construction Company, Inc., New York, N. Y. Wall construction. 1,982,104; Nov. 27.
- Holdsworth, Richard A., Bayside, assignor to The Barrett Company, New York, N. Y. Roof or siding. Des. 92,132; May 1.
- Holed-Tite Packing Corporation. (See Gray, Fred D., assignor.)
- Holed-Tite Packing Corporation. (See Gray, F. D. and Mann, assignors.)
- Holed-Tite Packing Corporation. (See Healy, Ellis C., assignor.)
- Holed-Tite Packing Corporation. (See Koppelman, Morris, assignor.)
- Holed-Tite Packing Corporation. (See Mann, Leon, assignor.)
- Holed-Tite Packing Corporation. (See Pickett, John H., assignor.)
- Holed-Tite Packing Corporation. (See Read, Robert E., assignor.)
- Holes, Floyd A., assignor to Memorial Art Studio, Cleveland, Ohio. Work hood. 1,977,386; Oct. 16.
- Holeton, Strickland, Hamburg, N. Y. Rolling mill. 1,971,982; Aug. 28.

- Holfast Rubber Company, The. (See Hill, Matthew E., assignor.)
- Holford, Fred A., and A. H. Jenson, Lamberton, Minn. Tire changer stand. 1,978,673; Oct. 30.
- Holinger, Emil F., assignor to Hudson Electrical Heating Corporation, New York, N. Y. Electric heater. 1,963,328; June 19.
- Holl, Edward W., Brooklyn, N. Y. Two-part service glass. 1,943,866; Jan. 16.
- Holladay, James A., Douglaston, N. Y., assignor to Kemet Laboratories Company, Inc. Thermionic device. 1,963,844; June 19.
- Hollady, Clint. (See Noble, W. H., and Hollady.)
- Holland, Archie M. (See Green, Leslie P., assignor.)
- Holland Brass Works, Incorporated. (See Liska, Frank J., assignor.)
- Holland, Chester O. (See Johnson, A. M., and Holland.)
- Holland Company. (See Holland, Cyrus J., assignor.)
- Holland, Cyrus J., Chicago, Ill. Wedge mechanism for friction shock absorbing devices. 1,975,720; Oct. 2.
- Holland, Cyrus J., assignor to Holland Company, Chicago, Ill. Volute spring structure for railway trucks. 1,970,563; Aug. 21.
- Holland, Edward S. J., Framingham Center, assignor to Warren Telechron Company, Ashland, Mass. Auxiliary electric supply system. 1,944,083; Jan. 16.
- Holland Federal Baking Co. (See Hanchett, Merrick, assignor.)
- Holland, Fritz, Long Island City, N. Y., and I. F. Damon, Belmont, Mass., assignors to Compo Shoe Machinery Corporation, New York, N. Y. Shoe making. 1,951,913; Mar. 20.
- Holland Furnace Company. (See De Lin, Martin, assignor.)
- Holland Furnace Company. (See Nystrom, Oscar P., assignor.)
- Holland Furnace Company. (See Nystrom, O. P., and de Lin, assignors.)
- Holland Furnace Company. (See Selby, Charles M., assignor.)
- Holland, Harry W., Elizabeth, N. J. Dispensing pump. Des. 94,144; Dec. 25.
- Holland, Harry W., Elizabeth, N. J. Dispensing pump. Des. 94,145; Dec. 25.
- Holland, John W., assignor to Holland-Kenyon Machine Company, Fitchburg, Mass. Valve seat grinder. 1,981,269; Nov. 20.
- Holland-Kenyon Machine Company. (See Holland, John W., assignor.)
- Hollander, Aladar, Berkeley, Calif. Balanced turbulence pump. 1,979,621; Nov. 6.
- Hollander, Aladar, Berkeley, Calif. Rotary hydraulic machine. 1,979,622; Nov. 6.
- Hollander, Aladar, Berkeley, assignor to Byron Jackson Co., Los Angeles, Calif. Impeller mounting. 1,980,337; Nov. 13.
- Hollander, Aladar, assignor to Byron Jackson Co., Berkeley, Calif. Double casing pump. 1,984,643; Dec. 18.
- Hollander, Aladar, Pasadena, assignor to Byron Jackson Co., Berkeley, Calif. Well pump. 1,943,531; Jan. 16.
- Hollander, Aladar, Pasadena, assignor to Byron Jackson Co., San Francisco, Calif. Tool joint. 1,947,909; Feb. 20.
- Hollander, Aladar, Pasadena, assignor to Byron Jackson Co., Los Angeles, Calif. Still and circulating pump therefor. 1,959,000; May 15.
- Hollander, Aladar, and W. L. Forward, Berkeley, assignors to Byron Jackson Co., Los Angeles, Calif. Centrifugal pump impeller. 1,975,274; Oct. 2.
- Hollander, Jacob A., Forest Park, assignor to Allan J. Cline, Chicago, Ill. Speed control means for metal forming machines and the like. 1,953,230; Apr. 3.
- Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company, Feeding mechanism for grinding mills. 1,946,084; Feb. 6.
- Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Roughage mill. 1,967,313; July 24.
- Holland-Letz, Ludwig, Crown Point, Ind. Automatic take-up for antifriction bearings. 1,953,354; Apr. 3.
- Hollerith, Charles, Jackson, Mich., assignor to Automotive Fan & Bearing Co. Fan bearing. 1,948,816; Feb. 27.
- Hollerith, Herman, Jr., Riverton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Control apparatus. 1,946,743; Feb. 13.
- Hollerith, Herman, Jr., Riverton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Testing device. 1,976,021; Oct. 9.
- Holley, Alfred E., Worthing, and O. E. Mott, Feltham, assignors to Anglo-Persian Oil Company, Limited, London, England. Process and apparatus for the treatment of a liquid, more especially a petroleum distillate, with another immiscible liquid. 1,953,651; Apr. 3.
- Holley, Carlos E., Sudbury, Ontario, Canada. Treatment of copper and other metals. 1,958,754; May 15.
- Holley, George M. (See Beard, Bert, assignor.)
- Holliday, William, Pointe du Bois, Manitoba, Canada. Lawn mower sharpener attachment. 1,958,947; May 15.
- Hollier, Walter J., St. Louis, Mo. Machine for decorating fibrous plants. 1,964,120; June 26.
- Hollinger, Jacob E. (See Chater, J. A., Cary, and Hollinger.)
- Hollinger, Paul G., Chicago, Ill. Refrigerating system. 1,943,608; Jan. 16.
- Hollingshead, Emma L., Germantown, Pa. Shoe tree support and carrier. 1,950,242; Mar. 6.
- Hollingshead, R. M., Co., The. (See Bagley, Robert M., assignor.)
- Hollingsworth, Carl W., Marshalltown, Iowa. Radius rod cushioned ball connection. 1,976,258; Oct. 9.
- Hollingsworth, Carl W., Marshalltown, Iowa. Wipeless oil gauge. 1,981,270; Nov. 20.
- Hollingsworth, Clarence T. (See Frank, H. J. L., and Hollingsworth.)
- Hollingsworth, Clarence T., Highland Park, assignor to Bulldog Electric Products Company, Detroit, Mich. Electrical receptacle cover. Des. 91,940; Apr. 10.
- Hollingsworth, Maurice H., Miami Beach, Fla. Automobile parking device. 1,947,593; Feb. 20.
- Hollingsworth, Maurice H., Miami Beach, Fla. Shower ring. 1,954,412; Apr. 10.
- Hollingsworth, Selby J., Watsonville, Calif. Sprinkling device. 1,968,396; July 31.
- Hollins, William, and Company. (See Ball, Horace J., assignor.)
- Hollinshead, Kenneth J., Yonkers, N. Y. File safe. 1,976,444; Oct. 9.
- Hollister, Charlotte A., Minneapolis, Minn. Process and apparatus for making rugs. 1,946,853; Feb. 13.
- Hollister, Edward E., assignor to Hollister-Whitney Company, Quincy, Ill. Automatic chock for automobile lifts. 1,946,320; Feb. 6.
- Hollister-Whitney Company. (See Hollister, Edward E., assignor.)
- Hollmann, Hans E., Darmstadt, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Method and apparatus for the generation of electric oscillations. 1,962,195; June 12.
- Hollmann, Hans E., Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. High frequency oscillator. 1,962,196; June 12.
- Hollmann, Hans E., Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Ultrashort wave system. 1,978,021; Oct. 23.
- Holloway, Harry H., assignor to Apollo Steel Company, Apollo, Pa. Surface treatment of metal. 1,943,764; Jan. 16.
- Holloway, Isaiah S., assignor to Moore Brothers Company, Joliet, Ill. Fluid fuel burner. 1,974,958; Sept. 25.
- Holloway, John Q. A., New York, N. Y., assignor to National Sound System, Inc., Jersey City, N. J. Optical sound recording and reproducing system. 1,983,697; Dec. 11.
- Holloway, Melville E. (See Mayhew, K. W., and Holloway.)
- Holloway, Sterling C. (See Posey, Thomas W., assignor.)
- Holloway, Walter, assignor to Clayton Lumber Company, Clayton, Mo. Folding lawn chair. 1,971,783; Aug. 28.
- Holloway, William M., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Automatically soldering the side seams of containers and the like. 1,947,471; Feb. 20.
- Holloway, William M., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Container. 1,980,995; Nov. 20.
- Hollwedel, Richard, Long Island City, N. Y. Shaded adjustable egg candle. Des. 92,806; July 17.
- Hollweg, Frederick E., Douglaston, N. Y. Food product and producing same. 1,971,981; Aug. 28.
- Holly, George S., assignor to Stewart-Warner Corporation, Chicago, Ill. Electric sound reproducing apparatus. 1,961,665; June 5.
- Holly, Herve C. (See Benny, Louis, assignor.)
- Holly, Herve C., and J. W. McCarthy, Lockport, N. Y. Device for ejecting paste material from collapsible tubes. Des. 93,658; Oct. 23.
- Hollywood Cone Waving Company. (See Tubbs, William B., assignor.)
- Holm, Eric M., Los Angeles, Calif. Fishing pole. 1,984,644; Dec. 18.
- Holm, Melvin M. (See Shiffler, W. H., and Holm.)
- Holm, Waldemar. (See von Schütz, F., and Holm.)
- Holman, Arthur J., Brookline, Mass. Optical rectifying system for moving picture projectors and cameras. 1,957,457; May 8.
- Holman, Benjamin T., Monaca, assignor to Holman Safety Manufacturing Company, Pittsburgh, Pa. Ignition system for internal combustion engines. 1,975,748; Oct. 2.
- Holman Brothers Limited. (See Arthur, John, assignor.)
- Holman, Clinton F., Pontiac, Ill. Suit hanger. 1,971,565; Aug. 28.
- Holman, George A., Dayton, Ohio. Roof. 1,978,841; Oct. 30.
- Holman, Harold E., Everett, Wash. Apparatus for handling shingles. 1,953,300; Apr. 3.
- Holman, Herbert E. (See Blumlein, A. D., and Holman.)
- Holman, Lewis E., Oakland, Calif. Wheel suspension for vehicles. 1,942,644; Jan. 9.
- Holman, Peter, Virginia, Minn. Furrier's art. 1,942,425; Jan. 9.
- Holman Safety Manufacturing Company. (See Holman, Benjamin T., assignor.)
- Holmes, Amos A. H., F., and A. L., Birmingham, England. Relief printing machine. 1,966,393; July 10.
- Holmes, Amos L. (See Holmes, Amos, A. H., F., and A. L.)
- Holmes, Arthur H. (See Holmes, Amos, A. H., F., and A. L.)

- Holmes, Bradford B., assignor to R. V. Holmes. Stonington, Conn. Automatic steering mechanism. Re19,338; Oct. 9.
- Holmes, Colin W. H., Low Fell, assignor of one-half to The Birtley Iron Company Limited, Birtley, England. Apparatus for separation of dry materials. 1,944,643; Jan. 23.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pattern chain for looms. 1,953,652; Apr. 3.
- Holmes, Fletcher B., and M. A. Dahlen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Water-soluble azo dye intermediate. 1,979,327; Nov. 6.
- Holmes, Frank J., Maplewood, N. J., assignor, by mesne assignments, to Consolidated Electric Lamp Company. Electrical heating device. 1,961,496; June 5.
- Holmes, Franklin L. (See Metzgar, Harry H., assignor.)
- Holmes, Fred. (See Holmes, Amos, A. H., F., and A. L.)
- Holmes, Frederick, assignor to Duncan Electric Manufacturing Co., La Fayette, Ind. Apparatus for testing meters. 1,949,743; Mar. 6.
- Holmes, George A., Newton, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,956,029; Apr. 24.
- Holmes, George A., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Button. 1,984,743; Dec. 18.
- Holmes, George S. Co. Inc., The. (See Barge, William D., assignor.)
- Holmes, Harleigh R., Littleton, Colo. Snowplow. 1,955,585; Apr. 17.
- Holmes, Harry N., Oberlin, Ohio, and H. M. Leicester, San Francisco, Calif., assignor, by direct and mesne assignments, to S. M. A. Corporation, Cleveland, Ohio. Recovering carotene from green leafy plant materials. 1,953,607; Apr. 3.
- Holmes, Harry N., Oberlin, Ohio, and H. M. Leicester, San Francisco, Calif., assignors to S. M. A. Corporation, Cleveland, Ohio. Recovering carotene. 1,967,121; July 17.
- Holmes, Henry H. (See Wildt, E., and Holmes.)
- Holmes, Henry H., and R. H. Robinson, assignors to Wildt and Company Limited, Leicester, England. Reverse-plating mechanism for knitting machines. 1,950,405; Mar. 13.
- Holmes, Henry H., and R. H. Robinson, assignors to Wildt and Company Limited, Leicester, England. Reverse-plating mechanism for knitting machines. 1,952,318; Mar. 27.
- Holmes, James, Jr., Philadelphia, Pa. Take-in and pay-out reel. 1,950,492; Mar. 13.
- Holmes, John Q. (See Baker, R. W., Holmes, and Phelps.)
- Holmes, John Q. (See Phelps, A. W., Holmes, Birch, and Smith.)
- Holmes, John Q. (See Shippy, L. C., Phelps, and Holmes.)
- Holmes, John Q., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Brush drilling and grooving machine. 1,964,435; June 26.
- Holmes, John Q., and W. H. Roberts, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Assembling machine. 1,964,434; June 26.
- Holmes, John S., Chicago, Ill., assignor to International Harvester Company. Brake testing device. 1,944,344; Jan. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,945,486; Jan. 30.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,968,769; July 31.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,979,265; Nov. 6.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,979,266; Nov. 6.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,981,106; Nov. 20.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling tool. 1,984,372; Dec. 18.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,984,373; Dec. 18.
- Holmes, Roland G. (See Fickett, E. L., Forman, and Holmes.)
- Holmes, Ruth V. (See Holmes, Bradford B., assignor.)
- Holmes, Verena W., Lenzie, near Glasgow, Scotland. Valve gear for fluid pressure units. 1,943,118; Jan. 9.
- Holmes, Wilfred, Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. Printing mechanism for use with meters and other measuring instruments. 1,963,303; June 19.
- Holmes, Will K., Los Angeles, Calif., and A. T. Dudley, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Apparatus for fractionating hydrocarbon oils. 1,965,549; July 3.
- Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,949,417; Mar. 6.
- Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Supplying mechanism. 1,962,242; June 12.
- Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 1,968,146; July 31.
- Holm-Hansen, Osmund, Stratford, and N. H. Watts, Bridgeport, Conn., assignors to General Electric Company. Floor polishing machine. Des. 93,619; Oct. 16.
- Holmsted, Francis K., assignor to F. K. Crocker, Charleston, W. Va. Seat mat. 1,982,516; Nov. 27.
- Holo-Krome Screw Corporation, The. (See Purteill, William A., assignor.)
- Holophane Company. (See Ingler, William A., assignor.)
- Holophane Company. (See Rolph, Thomas W., assignor.)
- Holophane Company. (See Rosebraugh, W., and Tait, assignors.)
- Holophane Company, Inc. (See Exelmans, Marie C. M., assignor.)
- Holophane Company, Inc. (See Exelmans, Maurice, assignor.)
- Holoplane Company, Inc. (See Tuck, Davis H., assignor.)
- Holophane Company, Inc. (See Tuck, D. H., and Rosebraugh, assignors.)
- Holsclaw Brothers, Inc. (See Holsclaw, Walter E., assignor.)
- Holsclaw, Walter E., assignor to Holsclaw Brothers, Inc., Evansville, Ind. Flaring tool. 1,955,913; Apr. 24.
- Holslag, Claude J., South Orange, assignor to Electric Arc Cutting & Welding Company, Newark, N. J. Automatic motor starter and overload control and warning means. 1,975,459; Oct. 2.
- Holst, Gilles, Eindhoven, Netherlands. Electric discharge tube. 1,947,417; Feb. 13.
- Holst, Gilles, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. High tension rectifier comprising an auxiliary electrode. 1,949,048; Feb. 27.
- Holst, Gilles, and B. D. H. Tellegen, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Amplifying electric oscillations. 1,945,040; Jan. 30.
- Holst, Gilles, and B. D. H. Tellegen, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge tube for amplifying electric oscillations. 1,945,041; Jan. 30.
- Holst, Gilles, and A. Bouwers, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube. 1,962,275; June 12.
- Holst, Gilles, M. J. Druyvesteyn, J. H. de Boer, and M. C. Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electric glow discharge tube. 1,976,397; Oct. 9.
- Holst, Gilles, and A. Bouwers, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken. X-ray tube. 1,977,275; Oct. 16.
- Holst, Knute A., Long Island City, N. Y. System of speed control. 1,971,141; Aug. 21.
- Holst, Lodewyk J. R., Brookline, Pa., and W. Mayer, Larchmont, and H. R. Menefee, Bronxville, N. Y., assignors to The S. M. M. H. Corporation, Dover, Del. Motion-picture projector. 1,974,423; Sept. 25.
- Holst, Poul F. G., Riverton, and R. A. Bierwirth, Hadonfield, N. J., assignors to Radio Corporation of America. Amplifier. 1,978,578; Oct. 30.
- Holst, William A., Jr., Bayside, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Colored coal and producing the same. 1,971,683; Aug. 28.
- Holstrom, Harry I., Chicago, Ill. Iron holder. 1,942,755; Jan. 9.
- Holsum Products, Inc. (See Smith, Frasier, assignor.)
- Holsum Products, Inc. (See Stevens, Clifford B., assignor.)
- Holt, Donald A. (See Harding, E. A., and Holt.)
- Holt, Donald A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Case hardening. 1,962,091; June 5.
- Holt, Donald A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Case hardening. 1,984,411; Dec. 18.
- Holt, Francis A., assignor, by mesne assignments, to Moto Vita Corporation, New York, N. Y. Combustion analyzer. 1,957,341; May 1.
- Holt, Frank. (See Kakaska, Henry W., assignor.)
- Holt, Fred. (See Savage, J., Holt and Thomas.)
- Holt, Grover J., and W. Longevin, Crosby, Minn. Locking means for track handling machines. 1,977,276; Oct. 16.
- Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing molded products. 1,978,533; Oct. 30.
- Holt, Harris B., Pittsburgh, Pa. Furnace grate. 1,963,789; June 19.
- Holt, Harris B., Pittsburgh, Pa. Furnace grate. 1,971,374; Aug. 28.
- Holt, John, Streety, Sutton Coldfield, England, assignor to Imperial Chemical Industries Limited. Pipe joint. 1,959,079; May 15.
- Holt, John W., Southington, Conn. Electric welding. 1,956,172; Apr. 24.
- Holt, John W., Cleveland Heights, Ohio. Vehicle wheel. 1,966,667; July 17.
- Holt, Lee C., Edgemoor, and H. W. Daudt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alkyl halides. 1,983,542; Dec. 11.
- Holt, Lee C., Edgemoor, and E. L. Mattison, assignors to Kinetic Chemicals Inc., Wilmington, Del. Production of organic fluorine compounds. 1,967,244; July 24.
- Holt, Pliny E., Stockton, Calif. Auxiliary glare shield for motor vehicles. 1,965,839; July 10.
- Holt, Samuel, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Printer's quoin. 1,941,747; Jan. 2.

- Holt, Samuel, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,941,748; Jan. 2.
- Holt, Thomas, and W. E. Lundgren, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Lay end and picker guide. 1,965,120; July 3.
- Holt, William, Nutley, N. J., assignor, by mesne assignments, to Old Colony Trust Company. Electron discharge device. 1,961,218; June 5.
- Holtane, Theodore K., Los Angeles, Calif. Flow bean. 1,953,110; Apr. 3.
- Holter, William L., Newton, Mass., assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Waterproofing compositions. 1,960,209; May 22.
- Holthaus, Elmo G., St. Louis, Mo. Oil-burning heater. 1,948,662; Feb. 27.
- Holthe, Thorlieff, Devon, Conn. Tank. 1,953,142; May 8.
- Holtje, Hermann, Haven, Kans. Road drag. 1,965,702; July 10.
- Holtmann, August, and M. Freiberger, Charlottenburg, Berlin, Germany. Preparing ungreeneable aniline black. 1,955,235; Apr. 17.
- Holton, Albert O., New York, N. Y. Convertible body. 1,956,616; May 1.
- Holton-Cabot Electric Company, The. (See Kennedy, Carlton L., assignor.)
- Holtz, Fred A., Elkhart, Ind. Sound amplifying speaker. Des. 92,962; Aug. 7.
- Holtz, Fred A., Elkhart, Ind. Sound amplifying speaker. Des. 92,963; Aug. 7.
- Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Electric motor. 1,962,770; June 12.
- Holtz, Harold F., Lincoln, Nebr. Pavement crack clearing device. 1,945,810; Feb. 6.
- Holtzer-Cabot Electric Company, The. (See Baker, Randall B., assignor.)
- Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
- Holtzer-Cabot Electric Company, The. (See Kennedy, Carlton L., assignor.)
- Holtzman, Alexander, Brooklyn, N. Y. Detachable mop. 1,942,552; Jan. 9.
- Holtzman, John, New York, N. Y. Lock. 1,943,826; Jan. 16.
- Holtzman, John, New York, N. Y. Cigar lighter. 1,944,177; Jan. 23.
- Holtzman, John, New York, N. Y. Safety razor. 1,958,271; May 8.
- Holtzman, John, New York, N. Y. Lock. 1,959,361; May 22.
- Holtzman, John, New York, N. Y. Manually operated lock. 1,964,058; June 26.
- Holtzman, John, New York, N. Y. Hand operated lock. 1,964,157; June 26.
- Holtzman, John, New York, N. Y. Hand operated lock. 1,966,171; July 10.
- Holtzman, John, New York, N. Y. Lighter. 1,967,885; July 24.
- Holtzman, John, New York, N. Y. Razor blade holder. 1,969,752; Aug. 14.
- Holtzman, John, New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,944,604; Jan. 23.
- Holtzman, John, New York, N. Y., assignor to Evans Case Company, North Attleboro, Mass. Lighter. 1,969,847; Aug. 14.
- Holub, John J., Cicero, assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Lock for sections of sheet metal pipe. 1,978,203; Oct. 23.
- Holveck, Joseph E., Crafton, Pa., assignor to The Aldrich Pump Company. System and apparatus for delivering feed water to steam boilers. 1,983,032; Dec. 4.
- Holy, Mitchell E. (See Hallday, J. F., and Holy.)
- Holy, Mitchell E., Posen assignor to Container Corporation of America, Chicago, Ill. Lighting unit box. 1,981,731; Nov. 20.
- Holz, August, Irvington, N. J. Simultaneous production of potassium nitrate and ammonium sulphate. 1,964,158; June 26.
- Holzach, Karl. (See Reddelien, G., Ohlendorf, and Holzach.)
- Holzach, Karl, Ludwigshafen-on-the-Rhine, and G. von Rosenberg, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 1,969,463; Aug. 7.
- Holzach, Karl, Ludwigshafen-on-the-Rhine, and G. von Rosenberg, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing and printing of acetate silk. 1,969,464; Aug. 7.
- Holzappel, George L. (See Day, D. E., and Holzappel.)
- Holzappel, Karl E. E., Munster, assignor to Fried. Krupp Grunsonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Apparatus for producing cement and similar substances. 1,955,914; Apr. 24.
- Holzer, Philip P., sr., Chicago, Ill. Television apparatus. 1,980,406; Nov. 13.
- Holzer, William, and J. Le Brell, jr., assignors to Papendick, Inc., St. Louis, Mo. Slicing machine. 1,970,379; Aug. 14.
- Holzhydrolyse Aktiengesellschaft. (See Specht, Hugo, assignor.)
- Holzwarth, Charles. (See Scanlan, G. A., and Holzwarth.)
- Holzwarth, Charles, Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Treating photographic film. 1,947,160; Feb. 13.
- Holzwarth Gas Turbine Company. (See Holzwarth, Hans, assignor.)
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Multistage combustion turbine. Re19,223; July 3.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Company, San Francisco, Calif. Explosion turbine plant. 1,944,892; Jan. 30.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Portable explosion turbine plant without atmospheric recooling. 1,951,359; Mar. 20.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Portable power plant for vehicles. 1,951,360; Mar. 20.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Portable explosion turbine power plant. 1,953,078; Apr. 3.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to The Holzwarth Gas Turbine Company, San Francisco, Calif. Apparatus for heat interchange. 1,959,362; May 22.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Nozzle construction for turbines. 1,964,731; July 3.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Operating constant volume explosion chambers. 1,969,753; Aug. 14.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Compound gas turbine and producing power therewith. 1,982,664; Dec. 4.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Explosion turbine. 1,982,665; Dec. 4.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Apparatus for charging explosion chambers. 1,982,666; Dec. 4.
- Homa, Steve. (See Guskea, A. E., Homa, and Schultz.)
- Homan, Frank W., Brookline, Pa., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-supporting and attaching means. 1,956,684; May 1.
- Homan, Henry D., Schenectady, N. Y. Fork. 1,970,093; Aug. 14.
- Homan, John G., Steubenville, Ohio, assignor to William J. Kirk, Wellsburg, W. Va. Dilator. 1,964,732; July 3.
- Homan, Walter A., Los Angeles, Calif. Ore separator. 1,964,733; July 3.
- Home Facilities, Inc. (See van Rosendaal, August, assignor.)
- Homer, Otto F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Extruding machine head. 1,947,202; Feb. 13.
- Homer, Charles F. (See Cooke, W. H., and Homer.)
- Homer, Ralph W., Ventura, Calif. Intra-abdominal retractor. 1,944,009; Jan. 16.
- Homerberg, Victor O., Belmont, Mass., assignor to The Nitromal Corporation, Albany, N. Y. Ferrous alloy. 1,944,178; Jan. 23.
- Homerberg, Victor O., Belmont, Mass., assignor to The Nitromal Corporation, Albany, N. Y. Ferrous alloy. 1,944,179; Jan. 23.
- Homestead Valve Manufacturing Co. (See Ofeldt, Frank W., assignor.)
- Homewood, Leonard R., Charlton, London, and C. R. Turner, Hackbridge, England. Collapsible tube and container for analogous purposes. 1,975,545; Oct. 2.
- Hommel, George L., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,985,499; Dec. 25.
- Hommel, William H., Sandusky, Ohio. Beverage glass or similar article. Des. 93,272; Sept. 11.
- Honan, Edward M. (See Gordon, C. S., and Honan.)
- Honda, Ko. (See Ohara, T., Enomoto, and Honda.)
- Hondeville, August I., Merced, assignor to Serv-A-Towel Manufacturing Company, San Francisco, Calif. Towel servidor. 1,968,833; Aug. 7.
- Hondeville, August I., Merced, assignor to Serv-A-Towel Manufacturing Company, San Francisco, Calif. Book form towel pad. 1,973,984; Sept. 18.
- Hondeville, August I., Merced, assignor, by direct and mesne assignments, to Serv-A-Towel Manufacturing Company, San Francisco, Calif. Towel servidor. 1,981,386; Nov. 20.
- Honegger, Corinne, Forest Hills, N. Y. Cocktail shaker. Des. 93,016; Aug. 14.
- Hönel, Herbert, Vienna, Austria, assignor to Beck, Koller & Company, Detroit, Mich. Artificial masses and process for making the same. 1,968,080; July 31.
- Hones, Charles A., Inc. (See Hones, William R., assignor.)
- Hones, William R., Bellmore, assignor to Charles A. Hones, Inc., Long Island, N. Y. Nozzle gas burner. 1,964,575; June 26.
- Honesdale National Bank. (See Federici, Vincent, assignor.)
- Honesdale National Bank. (See Galaway, Clarence R., assignor.)
- Honesdale National Bank. (See Gale, Ernest L., assignor.)
- Honesdale National Bank. (See Hammell, Charles E., assignor.)
- Honeycutt, William C., et al. (See Brown, William Y., assignor.)

- Honigbaum, Harry H., New York, N. Y. Shingle. 1,962,197; June 12.
- Honigmann, Hans, assignor to The Chandler & Price Company, Cleveland, Ohio. Feed mechanism for bed and cylinder presses. 1,955,717; Apr. 17.
- Honigmann, Ludwig, Aachen, Germany. Device for drying and roasting granular material. 1,958,666; May 15.
- Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Heat control means for forehearth. 1,953,407; Apr. 3.
- Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Controlling the temperature and condition of molten glass in forehearth. 1,970,094; Aug. 14.
- Honnef, Hermann, Dinglingen, Baden, Germany. Electric wind dynamo. 1,944,239; Jan. 23.
- Honnef, Hermann, Dinglingen, Germany. Wind motor. 1,963,912; June 19.
- Honold, Ernst. (See Kalischer, G., and Honold.)
- Honold, Ernst. (See Stein, B., and Honold.)
- Hooberry, William J., Lafayette, Tenn. Cuspidor. 1,982,517; Nov. 27.
- Hoobler, Elba V., Waterville, Ohio. Carpet vise. 1,971,218; Aug. 21.
- Hood, Andrew, London, England. Construction of "in situ" concrete piles. 1,979,547; Nov. 6.
- Hood, Arthur M., trustee. (See Tomlinson, Fay M., assignor.)
- Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,950,554; Mar. 13.
- Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparing soles. 1,973,762; Sept. 18.
- Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,973,763; Sept. 18.
- Hood, Clifford F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Rod handling. 1,945,898; Feb. 6.
- Hood, Clifford F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Rod handling machine. 1,984,744; Dec. 18.
- Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Metal vapor lamp. 1,964,321; June 26.
- Hood, Percy W., Gloucester, Va. Cabinet for magazines. Des. 93,659; Oct. 23.
- Hood, Robert A., Buffalo, N. Y. Air-inflated collapsible structure. 1,964,818; July 3.
- Hood Rubber Company et al. (See Burnham, L. H., assignor, and Holden.)
- Hood Rubber Company. (See Flink, John H.)
- Hood Rubber Company. (See Fowler, Fred D., assignor.)
- Hood Rubber Company. (See Fowler, F. D., and Davis, assignors.)
- Hood Rubber Company. (See Glidden, A. A., and Bodle, assignors.)
- Hood Rubber Company. (See Glidden, A. A., and Knowland, assignors.)
- Hood Rubber Company. (See Heintz, Samuel, assignor.)
- Hood Rubber Company. (See MacDonald, Frank J., assignor.)
- Hood Rubber Company. (See Smith, John A., assignor.)
- Hood Rubber Company, Inc. (See Bodle, Virgil H., assignor.)
- Hood Rubber Company, Inc. (See Fowler, Fred D., assignor.)
- Hood Rubber Company, Inc. (See Glidden, Alfred A., assignor.)
- Hood Rubber Company, Inc. (See Heintz, Samuel, assignor.)
- Hood Rubber Company, Inc. (See Heintz, S., and Blanchard, assignors.)
- Hood Rubber Company, Inc. (See MacDonald, Frank J., assignor.)
- Hoodless, William H., Philadelphia, Pa. Refrigerating container. 1,963,743; June 19.
- Hooley, William C., and E. J. Flynn, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Manufacture of pigments by wet precipitation. 1,945,551; Feb. 6.
- Hoof, Addison C., Hinsdale, Ill. Governor. 1,966,722; July 17.
- Hooper, Charles F., Chicago, Ill. Lubricator. 1,967,474; July 24.
- Hoofnagle, William T. (See Gilchrist, W. L., and Hoofnagle.)
- Hooge, Harry D., Cincinnati, Ohio. Order indicating device. 1,951,611; Mar. 20.
- Hook, Ruth M. (See Irvin, Walter F., assignor.)
- Hook Scraper Company. (See Abrahamsen, Alfred W., assignor.)
- Hook, Walter W., Los Angeles, Calif. Camera. 1,948,579; Feb. 27.
- Hooker Electrochemical Company. (See Stuart, Kenneth E., assignor.)
- Hooker, Harry A., assignor, by mesne assignments, to Blue Valley Creamery Company, Chicago, Ill. Divided carton. 1,973,209; Sept. 11.
- Hookless Fastener Company. (See Carlile, Alfred E., assignor.)
- Hookless Fastener Company. (See Cox, Leonard, assignor.)
- Hookless Fastener Company. (See Craig, William D., assignor.)
- Hookless Fastener Company. (See de Martinez, Isabel N., assignor.)
- Hookless Fastener Company. (See Lockie, Kenneth G., assignor.)
- Hookless Fastener Company. (See Manson, Frank G., assignor.)
- Hookless Fastener Company. (See Norton, Samuel H., assignor.)
- Hookless Fastener Company. (See Norton, S. H., and Nedal, assignors.)
- Hookless Fastener Company. (See Poux, Noel J., assignor.)
- Hookless Fastener Company. (See Seaver, Elliot O., assignor.)
- Hookless Fastener Company. (See Sipe, Harry E., assignor.)
- Hookless Fastener Company. (See Sundback, Gideon, assignor.)
- Hookless Fastener Company. (See Sundback, G., and Dahlin, assignors.)
- Hooks, Theo S., North Brighton, Victoria, Australia, assignor to Electrolux Corporation, Dover, Del. Mop for use with vacuum cleaners. 1,978,579; Oct. 30.
- Hooley, John W. (See Hixon, A. J., and Hooley.)
- Hooley, John W., Larchmont, N. Y. Renewable fuse plug. 1,949,305; Feb. 27.
- Hooley, Leonard J., R. F. Thomson, and D. A. W. Fairweather, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Sulphuric ester of 3,3'-difluoro-dianthra-hydroquinone-azines. 1,970,654; Aug. 21.
- Hooper, George W., et al. (See Pierce, Lucien, assignor.)
- Hooper, James E., Ruxton, England, assignor to Wm. E. Hooper & Sons Co., Baltimore, Md. Making a self-lubricating bearing. 1,964,202; June 26.
- Hooper, Samuel G., Beverly Hills, Calif. Electrical switch for an electrolytic water purifier. 1,958,789; May 15.
- Hooper, Wm. E. & Sons, Co. (See Hooper, James E., assignor.)
- Hoorn, Frederick W., Washington, D. C. Method and apparatus for controlling electrical waves. 1,950,406; Mar. 13.
- Hoos, Benjamin G. (See Schur, M. O., and Hoos.)
- Hoos, Benjamin G. (See Schur, M. O., Hoos, and Morris.)
- Hoosier Manufacturing Company. (See McQuinn, Emmett G., assignor.)
- Hooton, Philip R., Bloomington, Ill. Building construction. 1,978,842; Oct. 30.
- Hooven, Albert M., Lansdowne, and J. H. Fulkerson, Carbondale, Pa. Box for holding bottles. 1,974,713; Sept. 25.
- Hooven, Howard D., jr., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. Des. 91,427; Jan. 30.
- Hooven, Howard D., jr., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. Des. 93,017; Aug. 14.
- Hooven, Howard D., jr., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. Des. 93,018; Aug. 14.
- Hoover Company, The. (See Altenkirch, Edmund, assignor.)
- Hoover Company, The. (See Ballou, Harry R., assignor.)
- Hoover Company, The. (See Becker, Bernard C., assignor.)
- Hoover Company, The. (See Burkhardt, Chandos, assignor.)
- Hoover Company, The. (See Butzer, Eugene, assignor.)
- Hoover Company, The. (See Doemling, John C., assignor.)
- Hoover Company, The. (See Dreyfuss, Henry, assignor.)
- Hoover Company, The. (See Fairfax, Howard G., assignor.)
- Hoover Company, The. (See Hoffin, Elizabeth, assignor.)
- Hoover Company, The. (See Hoover, Howard E., assignor.)
- Hoover Company, The. (See Kitto, William H., assignor.)
- Hoover Company, The. (See Lucke, Charles E., assignor.)
- Hoover Company, The. (See Nelson, Rudolph S., assignor.)
- Hoover Company, The. (See Nesselmann, Kurt V., assignor.)
- Hoover Company, The. (See Sellers, William D., assignor.)
- Hoover Company, The. (See Smellie, Donald G., assignor.)
- Hoover Company, The. (See Tucker, Wilmer H., assignor.)
- Hoover Company, The. (See White, Harry B., assignor.)
- Hoover Company, The. (See Wolfe, John W., assignor.)
- Hoover, George N., jr., Mechanicville, N. Y., assignor, by mesne assignments, to Cheney Bigelow Wire Works, Springfield, Mass. Dandy roll. 1,960,154; May 22.
- Hoover, George S., Wellsboro, W. Va. Machine for attaching balls to containers. 1,947,472; Feb. 20.
- Hoover, George W., and L. L. Wood, Washington, D. C. Knee rest. 1,976,170; Oct. 9.
- Hoover, Howard E., Glencoe, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,971,040; Aug. 21.
- Hoover, John R. (See Fritz, H. E., and Hoover.)
- Hoover, Joseph C., assignor to B. H. R. Company, Detroit, Mich. Flexible connector. 1,974,391; Sept. 18.

- Hoover, Joseph C., assignor of sixty one-hundredths to E. F. Bahls and M. D. Riker, Detroit, Mich. Thermally controlled switch. 1,980,756; Nov. 13.
- Hoover, Kenneth H., Deerfield, Ill., assignor to Association of American Soap & Glycerine Producers, Inc., New York, N. Y. Noncorrosive fluid and compounding the same. 1,970,564; Aug. 21.
- Hoover, Paul L., Middlebush, and E. D. Kennedy, assignors to Endowment Foundation, New Brunswick, N. J. Timing axis for cathode ray oscillograph. 1,978,461; Oct. 30.
- Hoover, Ray, North Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Electrical selecting and indicating system. 1,976,398; Oct. 9.
- Hoover, Ray, and E. R. Wheeler, assignors to The Western Union Telegraph Company, New York, N. Y. Stock quotation board. 1,946,909; Feb. 13.
- Hoover, Ray, and F. C. Collins, jr., North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Tape take-up control mechanism. 1,967,177; July 17.
- Hoover, Ray, and E. R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Quotation board system and apparatus. 1,972,341; Sept. 4.
- Hoover, Ray, and F. C. Collins, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Divided channel system. 1,983,905; Dec. 11.
- Hoover Steel Ball Company. (See Lighthall, Cone W., assignor.)
- Hoover, Walter S., Girard, assignor of one-half to P. H. Crow, Meadville, Pa. Propeller hub. 1,972,485; Sept. 4.
- Hoover, Walter S., Girard, assignor of one-half to P. H. Crow, Meadville, Pa. Variable pitch propeller mechanism. 1,972,486; Sept. 4.
- Hoover, Walter S., Girard, assignor of one-half to P. H. Crow, Meadville, Pa. Integral hub for reversible pitch propellers. 1,972,487; Sept. 4.
- Hope, David. (See Herndon, J. B., jr., Hope, and Steen.)
- Hope, Ernest, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting apparatus. 1,975,460; Oct. 2.
- Hope, Harry M., New York, N. Y., assignor to Alco Products, Incorporated. Header construction and heat transfer apparatus. 1,948,380; Feb. 20.
- Hope, Robert, Detroit, assignor of one-half to W. L. Gaskell, Ypsilanti, Mich. Bait and lure retriever. 1,958,514; May 15.
- Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Napkin dispenser. Des. 93,398; Sept. 25.
- Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Napkin dispensing device. Des. 93,399; Sept. 25.
- Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Sheet-dispensing cabinet. 1,951,413; Mar. 20.
- Hope, Samuel N., Wauwatosa, and P. Drath, assignors to Griffith-Hope Company, West Allis, Wis. Paper cup dispenser. 1,944,431; Jan. 23.
- Hope, Samuel N., Wauwatosa, and P. Drath, West Allis, assignors to Griffith-Hope Company, West Allis, Wis. Roll paper fixture. 1,951,414; Mar. 20.
- Hope, Samuel N., Wauwatosa, and N. Tuszyński, Milwaukee, assignors to Griffith-Hope Company, West Allis, Wis. Roll towel fixture. 1,955,067; Apr. 17.
- Hope, Samuel N., Wauwatosa, and P. F. Drath, West Allis, Wis., assignors to Dudley Lock Corporation, Chicago, Ill. Combination lock. 1,971,935; Aug. 28.
- Hope, Samuel N., Wauwatosa, and P. F. Drath, West Allis, Wis., assignors to Dudley Lock Corporation, Chicago, Ill. Automatic upsetting mechanism for combination locks. 1,971,936; Aug. 28.
- Hope Webbing Co., Inc. (See Horton, Charles A., assignor.)
- Hopack Manufacturing Company, Inc. (See Hofmann, W., and Gerbert, assignors.)
- Höper, Karl. (See Wolters, O., and Höper.)
- Hopewell Brothers. (See Wolfard, Merl R., assignor.)
- Hopewell, Frank B., trustee. (See Miller, Joseph R., assignor.)
- Hopf, Heinrich. (See Dorner E. and Hopf.)
- Hopf, Heinrich, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of addition compounds of formyl halides. 1,976,682; Oct. 9.
- Hopf, Heinrich, Ludwigshafen-on-the-Rhine, and E. Kuehn, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of artificial masses from polymerized vinyl alcohols and aliphatic aldehydes and products obtainable thereby. 1,955,068; Apr. 17.
- Hopf, Heinrich, and R. Schweizer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, York, N. Y. Production of coloring matters containing nitrogen. 1,956,030; Apr. 24.
- Hopkes, Henry, Scharfenstein in Erzgebirge, assignor to Deutsche Kühl- und Kraftmaschinen G. m. b. H., Scharfenstedt, Zschopautal, Germany. Refrigerator. 1,952,985; Mar. 27.
- Hopkins, Albert F., jr., Duluth, Minn. Separable plug. 1,957,778; May 8.
- Hopkins, Albert L., Muncie, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Storage battery. 1,969,007; Aug. 7.
- Hopkins, Alfred T. (See Haward, E. W., and Hopkins.)
- Hopkins, Allan V., Vauluse, near Sydney, New South Wales, Australia. Motor driven surf board. 1,945,435; Jan. 30.
- Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Tape spool. 1,951,151; Mar. 13.
- Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Canister with hinged cover. 1,954,874; Apr. 17.
- Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Seaming machine. 1,954,875; Apr. 17.
- Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Radiator cover. 1,960,673; May 29.
- Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Sifter-top can. 1,960,674; May 29.
- Hopkins, Arthur G., Maspeth, assignor to Metal Package Corporation, New York, N. Y. Home seaming machine. 1,983,081; Dec. 4.
- Hopkins, Benjamin F., and J. V. O. Palm, Cleveland Heights, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making connecting rods. 1,948,176; Feb. 20.
- Hopkins, Cecil W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,983,853; Dec. 11.
- Hopkins, Charles, Detroit, Mich. Pneumatic bumping tool for sheet metal. 1,982,667; Dec. 4.
- Hopkins, Charles L., River Forest, Ill. Radio frequency receiving system. 1,964,990; July 3.
- Hopkins, Claude C., Fruitport, Mich., assignor to Rex Research Corporation, Toledo, Ohio. Spray gun. 1,945,147; Jan. 30.
- Hopkins, Edwin, New York, N. Y. Typewriter actuator. 1,975,791; Oct. 9.
- Hopkins, Edwin S., New York, N. Y. Multiple acoustigraph. 1,985,253; Dec. 25.
- Hopkins, Ernest R., assignor of one-half to J. P. Curry, Kansas City, Mo. Refrigerating coil. 1,966,096; July 10.
- Hopkins, Ernest R., assignor of one-half to J. P. Curry, Kansas City, Mo. Cooling unit for refrigerating systems. 1,975,945; Oct. 9.
- Hopkins, Frank H., Bridgeport, Conn., assignor to Consolidated Ashcroft Hancock Company, New York, N. Y. Safety valve. 1,974,274; Sept. 18.
- Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Illuminated display case. 1,949,253; Feb. 27.
- Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator case. 1,961,945; June 5.
- Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator case. 1,975,275; Oct. 2.
- Hopkins, George W., Cleveland, Ohio. Storage system. 1,953,403; Apr. 3.
- Hopkins, George W., Cleveland, Ohio. Binder. 1,964,851; July 3.
- Hopkins, Horace H. (See Whitescarger, W. F., and Hopkins.)
- Hopkins, Horace H., Ridley Park, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of patent leather. 1,954,750; Apr. 10.
- Hopkins, Horace H., Ridley Park, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated material. 1,960,220; May 22.
- Hopkins, Horace H., Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated material. 1,959,363; May 22.
- Hopkins, Horace H., Ridley Park, and J. Richardson, jr., Yeadon, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Paint vehicle for flaked pigments. 1,967,936; July 24.
- Hopkins, Horace H., Wilmington, and F. A. McDermott, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin and making same. 1,974,742; Sept. 25.
- Hopkins, Horace H., Springfield, and F. S. Stewart, Aldan, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonyellowing baking enamel. 1,983,460; Dec. 4.
- Hopkins, Hubert J., Hayward, Calif. Hydraulic brake. 1,975,362; Oct. 2.
- Hopkins, Jesse C., assignor to J. A. and M. P. Rucker, Bedford, Va. Jacket for transfusion, infusion, and injection flasks. 1,982,213; Nov. 27.
- Hopkins, Marion E., Elizabeth, N. J., assignor to Standard Oil Development Company, incorporating oil and resinous bodies. 1,948,267; Feb. 20.
- Hopkins, Nathan F., Rockland, assignor, by mesne assignments, to The Littleway Process Company, Boston, Mass. Manufacture of shoes. 1,972,342; Sept. 4.
- Hopkins, Richard M., Rutherford, assignor to American District Telegraph Company, Jersey City, N. J. Delinquency indicator of flyback type. 1,942,814; Jan. 9.
- Hopkins, Richard M., Rutherford, assignor to American District Telegraph Company, Jersey City, N. J. Delinquency indicator of revolving arm type. 1,942,815; Jan. 9.
- Hopkins, Robert K., assignor to The M. W. Kellogg Co., New York, N. Y. Electric arc welding apparatus. 1,954,999; Apr. 17.

- Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Electric arc welding apparatus. 1,955,000; Apr. 17.
- Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Welding electrode feeding device. 1,955,001; Apr. 17.
- Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Welding electrode feed control switch. 1,957,064; May 1.
- Hopkins, Robert K., assignor to The M. W. Kellogg Co., New York, N. Y. Arc-welding machine. 1,965,079; July 3.
- Hopkins, Robert K., West New Brighton, Staten Island, assignor to M. W. Kellogg Company, New York, N. Y. Closure device for headers. 1,962,901; June 12.
- Hopkins, Roy S. (See Young, D. A., Wangerin, and Hopkins.)
- Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 1,946,621; Feb. 13.
- Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Document conveying and photographing machine. 1,954,318; Apr. 10.
- Hopkins, Roy S., and C. J. Hughey, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic recording apparatus. 1,957,889; May 8.
- Hopkins, Samuel R., Long Beach, assignor, by mesne assignments, of one-half to J. C. Wright and one-half to W. H. Maxwell, Los Angeles, Calif. Rotary drilling bit. 1,949,049; Feb. 27.
- Hopkinson, Ernest, New York, N. Y., assignor to National India Rubber Company, Providence, R. I. Manufacture of filamentary material. 1,943,436; Jan. 16.
- Hopkinson, Ernest, New York, N. Y., assignor to National India Rubber Company, Providence, R. I. Manufacture of rubber thread. 1,943,437; Jan. 16.
- Hopkinson, Ernest, New York, N. Y., assignor to National India Rubber Company, Providence, R. I. Manufacture of rubber thread. 1,943,438; Jan. 16.
- Hopkinson, Ernest, New York, N. Y., assignor to National India Rubber Company, Providence, R. I. Manufacture of filamentary materials. 1,943,439; Jan. 16.
- Hopkinson, Ernest, New York, N. Y., assignor to United States Tire Company, Incorporated, Indianapolis, Ind. Apparatus for forming hollow articles. 1,947,990; Feb. 20.
- Hopkinson, Ernest, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Apparatus for making fibrous materials. 1,949,472; Mar. 6.
- Hopkinson, Ernest, New York, N. Y., assignor to United States Tire Company, Incorporated, Indianapolis, Ind. Method and apparatus for forming rubber articles. 1,949,473; Mar. 6.
- Hopkinson, Ernest, New York, N. Y., assignor to Revere Rubber Company, Providence, R. I. Method and apparatus for the manufacture of elastic thread. 1,976,344; Oct. 9.
- Hopkinson, Ernest, New York, N. Y., assignor to Morgan and Wright, Detroit, Mich. Apparatus for manufacturing tire casings. 1,980,203; Nov. 13.
- Hopkinson, Ernest, New York, N. Y., and D. F. Dalton, assignors to The Shoe Hardware Company, Waterbury, Conn. Multiple fastener. 1,960,010; May 22.
- Hopkinson, Lawrence T., Washington, D. C. Canning salmon and product resulting therefrom. 1,970,308; Aug. 14.
- Hopp, Adolph, New York, N. Y. Frozen confection. 1,980,588; Nov. 13.
- Hopp, William H., Blue Island, Ill. Antirattling device for window sashes. 1,954,735; Apr. 10.
- Hoppe, Boris B., Kew Gardens, N. Y. Writing pad and device. 1,971,684; Aug. 28.
- Hoppe, Friedrich A. (See Petersen, W. F., and Hoppe.)
- Hoppe, Otto F., Frankfurt-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Bag sewing machine. 1,972,992; Sept. 11.
- Hoppe, William. (See Smith, E. L., and Hoppe.)
- Hoppe, William, and N. W. Lyon, assignors to National Bread Wrapping Machine Co., Springfield, Mass. Cutting mechanism for bread wrapping machines. 1,985,780; Dec. 25.
- Hopper, Samuel E., Crafton, Pa. Adjustable guide arm. 1,975,607; Oct. 2.
- Hoppes, Edwin F. (See Evans, W. B., Garratt, and Hoppes.)
- Hoppes, John J., Springfield, Ohio. Heat exchange device. 1,957,779; May 8.
- Hopwood, John M. (See Smith, George W., assignor.)
- Hopwood, John W. (See Donaldson, Robert R., Jr., assignor.)
- Horak, Anton, Chicago, Ill. Boat steering mechanism. 1,957,647; May 8.
- Horan, John J., Snyder, and O. Du Pernell, Cheektowaga, N. Y.; said Du Pernell, assignor to said Horan. Apparatus for storing and dispensing articles. 1,959,981; May 22.
- Horgan, George D., London, England. Machine for packing cigarettes and like articles. 1,961,047; May 29.
- Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing railway car axle mounting. 1,952,710; Mar. 27.
- Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway truck construction. 1,967,822; July 24.
- Horhorouny, Joseph, Watertown, Mass. Auto felt washer cutting machine. 1,966,962; July 17.
- Horii, Shinjiro, Tokyo, Japan. Duplicator. 1,951,934; Mar. 20.
- Horkavi, Michael J., assignor of one-half to W. L. Evans, Gary, Ind. Dispensing apparatus. 1,980,057; Nov. 6.
- Horiacher, Robert J., Poughkeepsie, N. Y. Artificial horizon. 1,946,072; Feb. 6.
- Horidt, Henry, Detroit, Mich. Self-aligning door bumper. 1,947,524; Feb. 20.
- Horlix Manufacturing Company. (See Weaver, Jesse E., assignor.)
- Hormel, August, Hoboken, N. J. Metal plate cleaning machine. 1,945,274; Jan. 30.
- Hormel, August, Hoboken, N. J. Micrometer adjustment for coating machine rollers and the like. 1,973,316; Sept. 11.
- Hormel, August, Hoboken, and W. Russell, Ridgewood, N. J., said Russell assignor to said Hormel. Manufacture of metal wares. 1,981,915; Nov. 27.
- Horn, Charles, assignor to Sylvester Adrian, Fond du Lac, Wis. Automatic phonograph mechanism. 1,981,175; Nov. 20.
- Horn, Fred E., Marshall, Mich. Refrigerator lighting structure. 1,942,290; Jan. 2.
- Horn, Guido, Berlin-Weissensee, Germany. Thread tension device. 1,971,453; Aug. 28.
- Horn & Hardart Baking Company. (See Cramer, Albert M., assignor.)
- Horn, Harry J. (See Hunt, J. H., and Horn.)
- Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,222; Sept. 4.
- Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,223; Sept. 4.
- Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,224; Sept. 4.
- Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,769; Nov. 6.
- Horn, Paul, Berlin, Germany, assignor to Ohmer Fare Register Company, Dayton, Ohio. Ticket issuing register. 1,949,744; Mar. 6.
- Horn, Robert W. P., and E. Ashton, Allentown, Pa. Furnace and kiln and their operation. 1,960,413; May 29.
- Hornaday, James R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,962,771; June 12.
- Hornberger, Carl S., Glen Ellyn, Ill. Laboratory burner base or similar article. Des. 92,720; July 10.
- Hornberger, Carl S., Glen Ellyn, Ill., assignor to Central Scientific Company. Educational apparatus. 1,968,039; July 31.
- Hornberger, William F., Miranda, Cuba. Manufacture of raw sugar. 1,956,741; May 1.
- Hornbuckle, William P., Jr., Mount Holly, N. C. Yarn holder. 1,975,363; Oct. 2.
- Hornby, Fred B., Lynn, Mass., assignor to General Electric Company. Electrical generator system. 1,974,990; Sept. 25.
- Horne, Archibald B., Brooklyn, N. Y. Climbing structure. Des. 92,309; May 22.
- Horne, Archibald B., Brooklyn, N. Y. Climbing structure. Des. 92,310; May 22.
- Horne, Archibald B., Brooklyn, N. Y. Playground apparatus. Des. 93,825; Nov. 13.
- Horne, George H., Glendale, and M. A. Lissman, Temple City, assignors to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended particles from gases. 1,957,458; May 8.
- Horne, George H., Glendale, and M. A. Lissman, Temple City, assignors to International Precipitation Company, Los Angeles, Calif. Apparatus for separating suspended material from gases. 1,973,764; Sept. 18.
- Horne, Harlan F., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Laminated material and producing same. 1,953,111; Apr. 3.
- Horne, Joseph A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,968,555; July 31.
- Horne, William O., assignor of one-half to V. W. Brewer, Minneapolis, Minn. Sprinkler device. 1,964,576; June 26.
- Hornecker, George, and C. J. Bacon, assignors to The Mounting & Finishing Company, Inc., Brooklyn, N. Y. Display box. 1,974,959; Sept. 25.
- Hörnell, Per G., Stockholm, Sweden. Vaginal and anal irrigator. 1,963,329; June 19.
- Horner, George, assignor to George Gorton Machine Company, Racine, Wis. Forming guide for engraving and allied machines. 1,956,505; Apr. 24.
- Horner, George W., Tonbridge, England, assignor to Aluminum Company of America, Pittsburgh, Pa. Closure for bottles and other receptacles. 1,978,946; Oct. 30.
- Horner, Harold R. (See Derby, I. H., and Horner.)
- Horner, Harry H., Chattanooga, Tenn. Anchoring device. 1,984,268; Dec. 11.
- Horner, Robert K., Flint, Mich. Method and apparatus of refrigeration. 1,946,854; Feb. 13.
- Hornl, Joseph T., Newark, N. J. Reflecting unit for vehicles. 1,943,440; Jan. 16.
- Horning, Herman G., New York, N. Y. Electric switch. 1,949,306; Feb. 27.
- Horns, Edward H., Waterloo, Iowa, assignor of one-half to W. F. Horns, Bemidji, Minn. Camera. 1,946,855; Feb. 13.

- Horns, Winfield F. (See Horns, Edward H., assignor.)
Hornung, Anton N., Los Angeles, Calif. Refrigerator. 1,962,446; June 12.
Hornung, Elias J., Rochester, N. Y. Clamp. 1,942,600; Jan. 9.
Hornung, Elias J., Rochester, N. Y. Educational device or game. 1,948,712; Feb. 27.
Horowicz, Eugen, Berlin-Halensee, Germany, assignor to General Electric Company. Electric valve converting system. 1,945,401; Jan. 30.
Horowitz, Benjamin, et al. (See Lehr, Benjamin, assignor.)
Horsch, Walter H., Wheaton, assignor to Massey Concrete Products Corporation, Chicago, Ill. Electric vibrator. 1,979,548; Nov. 6.
Horsfall, John L. (See Migrdichian, C., and Horsfall.)
Horsfield, Walter R., Boston, Mass., assignor to General Electric Company. Sorting device. 1,959,238; May 15.
Horsley, George F., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of ethyl alcohol from ethylene. 1,977,632; Oct. 23.
Horsley, George F., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Producing alcohols. 1,977,633; Oct. 23.
Horsley, George F., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of alcohols from olefines. 1,977,634; Oct. 23.
Horsley, George F., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Process for the catalytic hydration of olefines. 1,977,635; Oct. 23.
Horsley, James, et al. (See Ring, R., Pereira, and Horsley.)
Horsley, James H., assignor to Universal Lamp Company, Chicago, Ill. Battery lamp. 1,964,577; June 26.
Horsley, James H., Chicago, assignor to Shanklin Manufacturing Co., Springfield, Ill. Torch. 1,983,372; Dec. 4.
Horst, Adam, assignor to the firm Voigt & Haefner A.-G., Frankfurt-on-the-Main, Germany. Automatic installation switch. 1,967,122; July 17.
Horst, Herbert C., Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train control system. 1,964,819; July 3.
Horst, Tallmon E., Chicago, Ill. Drawing board and the like. 1,941,554; Jan. 2.
Horstkotte, Edward H., Erie, Pa., assignor to General Electric Company. Film micrometer. 1,961,764; June 5.
Horstkotte, Fred W., Portland, Oreg. Saw mill. 1,985,500; Dec. 25.
Horstmann, Frederick W., Maplewood, N. J. Fur machine. 1,952,254; Mar. 27.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y., and Irving Trust Company, receiver. Web tension controlling mechanism for use with rotary printing machines. 1,942,964; Jan. 9.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receiver. Web supply mechanism for printing machines. 1,967,056; July 17.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receiver. Web roll controlling device for printing machines. 1,968,453; July 31.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Web roll controlling mechanism. 1,985,292; Dec. 25.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Plate holding means for printing presses. 1,985,628; Dec. 25.
Horton, Albert J., White Plains, N. Y., and W. K. Eckhard, Duellen, N. J., assignors to Irving Trust Company, receiver of R. Hoe & Co., Inc. Pile handling mechanism for printing machines. 1,953,049; Mar. 27.
Horton, Allen A., deceased, Detroit, by K. H. Horton, Plymouth, and Detroit Trust Company, successor to Detroit & Security Trust Company, executors, assignors to Burroughs Adding Machine Company, Detroit, Mich. Obtaining true negative totals. 1,957,501; May 8.
Horton, Benjamin E., Syracuse, N. Y. Fountain inking pad. 1,949,865; Mar. 6.
Horton, Charles A., Providence, assignor to Hope Webbing Co., Inc., Pawtucket, R. I. Tape fastener. 1,983,373; Dec. 4.
Horton, Ernest J., Pittsburgh, Pa., assignor to Ruud Manufacturing Company. Valve mechanism for main and pilot burners. 1,943,075; Jan. 9.
Horton, Ernest J., Pittsburgh, Pa., assignor to Ruud Manufacturing Company. Burner. 1,972,016; Aug. 28.
Horton, Erwin C. (See Hueber, H., and Horton.)
Horton, Erwin C. (See Oishei, J. R., Hueber, Paulus, and Horton.)
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield heater. 1,942,359; Jan. 2.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Wiper blade and mounting. 1,946,073; Feb. 6.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield heater. 1,952,864; Mar. 27.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Electric windshield heater. 1,952,865; Mar. 27.
Horton, Erwin C., Hamburg, and G. Dykstra, assignors to Trico Products Corporation, Buffalo, N. Y. Motor vehicle. 1,964,400; June 26.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Negative pressure accessory system. 1,972,842; Sept. 4.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Wiper carrying arm. 1,973,481; Sept. 11.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Automatic valve mechanism. 1,974,850; Sept. 25.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Wiper blade. 1,978,633; Oct. 30.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Fuel feeding system for internal combustion engines. 1,981,838; Nov. 20.
Horton, George F., Houston, Tex. Dumping truck. 1,952,986; Mar. 27.
Horton, George T., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Tank. 1,946,493; Feb. 13.
Horton, George T., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Tank construction. 1,946,494; Feb. 13.
Horton, John B., Saugatuck, Conn. Heating device. 1,955,743; Apr. 24.
Horton, John I., Chicago, Ill., assignor to Pines Winterfront company. Radiator shutter control. 1,964,059; June 26.
Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,952,592; Mar. 27.
Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical image production. 1,971,675; Aug. 28.
Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 1,976,850; Oct. 16.
Horton, Kathleen H., et al., executors. (See Horton, Allen A.)
Horton, William J., and T. J. Francis, East Kildonan, Manitoba, Canada. Cultivator. 1,962,393; June 12.
Horvath, Michael H. (See Schultz, E. H., and Horvath.)
Horvath, Michael H., Mentor, assignor to The Cole Nursery Company, Painesville, Ohio. Barberry. Pl. Pat. 110; Oct. 23.
Horvath, Julius, assignor to Arvey Corporation, Chicago, Ill. Display device. 1,951,415; Mar. 20.
Horvath, Julius, assignor to Arvey Corporation, Chicago, Ill. Foldable display card. 1,971,912; Aug. 28.
Horwitt, Nathan G., New York, N. Y. Box book. 1,963,552; June 19.
Horwitt, Paul H., Hartsdale, N. Y. Razor blade preserving wiper. 1,967,937; July 24.
Horwitz, Barnett I., Los Angeles, Calif. Cigar tip. 1,975,152; Oct. 2.
Hosack, Francis A., New York, N. Y. Transfer mechanism. 1,957,960; May 8.
Hosecitt, William J., assignor to Rodger Ballast Car Company, Chicago, Ill. Control mechanism for hopper car doors. 1,942,702; Jan. 9.
Hose, Alexander, and B. T. Atwood, assignors to Atwood & Morrill Co., Salem, Mass. Valve. 1,970,963; Aug. 21.
Hose, Alexander V., assignor to Atwood & Morrill Co., Salem, Mass. Trip valve. 1,956,987; May 1.
Hose, John W., Kew Gardens, N. Y. Edible container for ice cream and other confections. Des. 93,019; Aug. 14.
Hösel, Paul, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Pump control. 1,970,380; Aug. 14.
Hosiery Developments Limited. (See Mills, Robert K., assignor.)
Hosking, Richard T., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Lock nut and making same. 1,963,545; June 19.
Hosmer, Chester C., Long Beach, Calif. Stopping the flow of fluids under pressure. 1,970,964; Aug. 21.
Hosmer, Ray L., St. Louis, assignor of one-third to H. V. Lind and one-third to T. W. Watson, Cairo, Ill. Crusher for reconditioning sacked material. 1,971,485; Aug. 28.
Hosner, Ralph B., San Francisco, Calif. Bed. 1,968,147; July 31.
Hosnoler Corporation. (See Mano, John, assignor.)
Hospital Appliances, Inc. (See Comper, Adrian, assignor.)
Hossfeld, Albert, Winona, Minn. Bending device for metallic tubes and the like. 1,968,645; July 31.
Hostetter, Willis M., Goshen, Ind. Garage door operating means. 1,973,899; Sept. 18.
Hotchkiss, James R., Upper Montclair, assignor to The Palmat Company, Irvington, N. J. Spring nut. 1,978,364; Oct. 23.
Hotchkiss, Clifford. (See Phelan, L. A. M., and Hotchkiss.)
Hotchkiss, Clifford, Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Sign flasher. 1,974,960; Sept. 25.
Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)

- Hotchkiss, E. H., Company, The. (See Polzer, F., and Peterson, assignors.)
- Hotchkiss, Maurice. (See Williams, William H., assignor.)
- Hotchkiss, William R., St. Paul, Minn. Lithographing plate cylinder. 1,966,121; July 10.
- Hotchner, Fred, Los Angeles, Calif. Positive column lamp letter. 1,949,963; Mar. 6.
- Hotchner, Fred, Los Angeles, Calif. Traveling border discharge tube display. 1,950,679; Mar. 13.
- Hotchner, Fred, Los Angeles, Calif. Electrode. 1,953,608; Apr. 3.
- Hotchner, Fred, Los Angeles, Calif. Discharge tube electrode. 1,969,646; Aug. 7.
- Hotchner, Fred, Los Angeles, Calif. Vacuum vessel and illuminating device. 1,984,215; Dec. 11.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Captive screw cap for cans. 1,943,314; Jan. 16.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure applying tool. 1,948,521; Feb. 27.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Apparatus for making pouring spouts. 1,953,079; Apr. 3.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Easy open cap and making the same. 1,954,816; Apr. 17.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,959,364; May 22.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Drawing. 1,967,245; July 24.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Orchard heater. 1,975,102; Oct. 2.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure. 1,981,864; Nov. 27.
- Hotopp, Alfred H., Jr., Caldwell, N. J., assignor to Wired Radio, Inc., New York, N. Y. Radio receiving system. 1,946,582; Feb. 13.
- Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
- Hott, Ion Von K., and W. E. Webster, assignors to The Joyce-Cridland Company, Dayton, Ohio. Hydraulic lift for automobiles and the like. 1,946,937; Feb. 13.
- Hott, Ion V. K., W. E. Webster, and W. B. Raudebaugh, assignors to The Joyce-Cridland Company, Dayton, Ohio. Combined ramp and stop device. 1,955,586; Apr. 17.
- Hottel, Louis W., Indianapolis, Ind. Molding press. 1,970,171; Aug. 14.
- Hotto, Louis, East Carondelet, Ill. Harrow. 1,974,869; Sept. 25.
- Houck, Carl A., Buffalo, and F. J. Moore, North Tonawanda, N. Y. Molding preparation and molded article. 1,959,718; May 22.
- Houck, John D., Chicago, Ill. Faucet filter. 1,985,411; Dec. 25.
- Houdaille, Maurice, and C. Lecler, Levallois-Perret, France. Elastic hinge joint. 1,954,934; Apr. 17.
- Houdashelt, Jasper E., Kansas City, Mo. Vehicle. 1,946,164; Feb. 6.
- Houde Engineering Corporation. (See Casper, Anthony B., assignor.)
- Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
- Houdek, Joseph W., Kewaunee, Wis. Support. 1,968,040; July 31.
- Houdry, Eugene, Paris, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Process and apparatus for the treatment of heavy oils and the like for the conversion thereof into lighter products. 1,957,648; May 8.
- Houdry, Eugene, Paris, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Process and apparatus for the treatment of soda-treated tars and other residues of the petroleum industry with a view to the conversion thereof into light products. 1,957,649; May 8.
- Houdry Process Corporation. (See Houdry, Eugene, assignor.)
- Houdry Process Corporation. (See Joseph, Alfred, assignor.)
- Hough, Arthur, Passaic, assignor to Theodor Leonhard Wax Company, Haledon, N. J. Bleaching wax. 1,980,278; Nov. 13.
- Hough, Arthur, Passaic, assignor to Theodor Leonhard Wax Company, Haledon, N. J. Purification and bleaching of waxes. 1,980,338; Nov. 13.
- Hough, Clinton W., Boonville, assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Picture transmission and reception system. 1,972,444; Sept. 4.
- Hough, Earl B., assignor to Electro-Vac Free Wheeling Co., Chicago, Ill. Automatic clutch control. 1,977,912; Oct. 23.
- Hoult, Frank, Bayswater, London, England. Construction toy. 1,985,032; Dec. 18.
- Hough, Robert H., assignor to Instrument Engineers, Inc., New York, N. Y. Motive and clock mechanism. 1,959,787; May 22.
- Hough, William S., Kokomo, Ind. Electrode housing. 1,958,304; May 8.
- Houghton, E. F., & Company. (See Dambacher, Fritz, assignors.)
- Houlis, Louis D., Dallas, Tex. Sectional baking oven. 1,949,684; Mar. 6.
- Hounsfield, Leslie H., Wimbledon, London, England. Bedstead. 1,982,165; Nov. 27.
- Houplain, Georges, assignor to Societe des Freins Houplain, Paris, France. Slack adjusting device for brakes. 1,957,890; May 8.
- Hourin, Alton P. B., Camillus, assignor to Camillus Cutlery Company, New York, N. Y. Knife. 1,980,058; Nov. 6.
- House, Bryan E. (See Parker, H. F., and House.)
- House, Bryan E., assignor to Bendix Brake Company, South Bend, Ind. Shaft mounting. 1,943,827; Jan. 16.
- House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Shaft bearing. 1,950,243; Mar. 6.
- House, Bryan E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,974,536; Sept. 25.
- House, Carey E., Knoxville, Tenn. Time control circuit breaker. 1,958,822; May 15.
- House, Clifford N., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing and seal therefor. 1,979,388; Nov. 6.
- House, Eli M., Tampa, Fla. Ladder. 1,944,792; Jan. 23.
- House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Indicating rate and direction of movement. 1,976,726; Oct. 16.
- House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Sound locator and computer for aircraft. 1,976,727; Oct. 16.
- House, Lloyd A., assignor to Victor Lubricator Company, Chicago, Ill. Lubricator. Des. 93,225; Sept. 4.
- House, Roy W., et al. (See Jones, James M., assignor.)
- Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting machine. 1,942,816; Jan. 9.
- Houseman, Percy A., Haddonfield, assignor to MacAndrews and Forbes Company, Camden, N. J. Pharmaceutical preparation. 1,976,668; Oct. 9.
- Housen, Morris, Erving, Mass. Paper napkin. 1,980,059; Nov. 6.
- Houser, Arthur M., Oak Park, assignor to Crane Co., Chicago, Ill. Still clean-out return bend. 1,972,445; Sept. 4.
- Housh, Frank E., Miami Beach, Fla. Safety razor blade honer. 1,980,407; Nov. 13.
- Houston, Albert J. R., Omaha, Nebr. Air conditioning apparatus. 1,984,135; Dec. 11.
- Houston, Cecil L., Dallas, Tex. Portable indoor clothes-drying rack. 1,946,856; Feb. 13.
- Houston Compress Company. (See Johnson, J. M., and Sinclair, assignors.)
- Houston Compress Company. (See Taylor, S. Y., and Corkery.)
- Houston, George F., South Bend, Ind., assignor to Bendix Research Corporation, East Orange, N. J. Propeller. 1,942,100; Jan. 2.
- Houston, George F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,407; July 24.
- Houston, George F., South Bend, Ind., assignor to Bendix Research Corporation, East Orange, N. J. Propeller. 1,967,753; July 24.
- Houston, George K., San Antonio, Tex. Toy. 1,963,744; June 19.
- Houston, Henry H., assignor to W. E. Foshee, Montgomery, Ala. Making automobile loading blocks. 1,965,341; July 3.
- Houston, Henry H., assignor to W. E. Foshee, Montgomery, Ala. Chock block. 1,967,823; July 24.
- Houston, Junius W., Toledo, Ohio, assignor to General Motors Corporation, Detroit, Mich. Lubricating device for doors and the like. 1,950,984; Mar. 13.
- Houston, Levi C. (See Cooper, E. H., Searles, Smith, and Houston.)
- Houston, Newton S. (See Todd, E. T., and Houston.)
- Houston, Robert L., New York, N. Y. Automatic selecting and distributing system for radio reception. 1,983,759; Dec. 11.
- Houston, William B., Alhambra, Calif. Waterproofing solution for stuccoed surfaces. 1,942,601; Jan. 9.
- Hovda, Olaf, Evansville, Ind. Dishwashing machine. 1,953,409; Apr. 3.
- Hovey, Mark H., Madison, Wis., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railroad signaling system. 1,964,354; June 26.
- Hovey, Mark H., Madison, Wis., assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay. 1,964,355; June 26.
- Hovgaard, Ole M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal filter. 1,959,429; May 22.
- How, Harlan W., Warren, Pa. High pressure high temperature heat exchanger. 1,954,356; Apr. 10.
- Howald, Melville, Massillon, Ohio. Rotary locking apparatus. 1,954,047; Apr. 10.
- Howald, Melville, Massillon, assignor of one-fourth to W. Herbruck, Canton, Ohio. Self-centerable pneumatic cushion rail wheel. 1,977,387; Oct. 16.
- Howald, Werner T., Brooklyn, N. Y., S. T. Boublis, Springfield, and F. Harper, Irvington, N. J. Grid winding machine. 1,978,108; Oct. 23.
- Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 1,965,416; July 3.
- Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Molding strip for upholstery. 1,955,187; Apr. 17.

- Howard Bros. Mfg. Co. (See Fournier, Edmond E., assignor.)
- Howard Brothers Manufacturing Company, The. (See Midgley, Herbert, assignor.)
- Howard, Clarence J., Manton, R. I., assignor to Brown & Sharpe Manufacturing Company. Gear pump. 1,976,227; Oct. 9.
- Howard, Clifton P., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Control mechanism for sprinkler alarms. 1,958,143; May 8.
- Howard, Clinton W., Dayton, Ohio. Manipulation and support of aircraft maps. 1,965,593; July 10.
- Howard, David J., assignor to Quaker Manufacturing Company, Chicago, Ill. Circulation heater. Des. 93,717; Oct. 30.
- Howard, Forrest K., East Falls Church, Va. Sear mechanism for guns. 1,949,418; Mar. 6.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for catalytic heating. 1,948,298; Feb. 20.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Antifreeze solution. 1,955,296; Apr. 17.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Composite cleaning and polishing paper. 1,960,192; May 22.
- Howard, Frederick T., Paddington, near Sydney, New South Wales, Australia. Contour copying machine. 1,969,647; Aug. 7.
- Howard, Giles P. E. (See Hodgson, J. L., Howard, and Ivanoff.)
- Howard, Guy C., Wausau, Wis. Lignin derivatives and making same. 1,948,858; Feb. 27.
- Howard, Guy C., Wausau, Wis. Lignin derivatives and making same. 1,981,176; Nov. 20.
- Howard, Guy C., and C. Harmon, Wausau, Wis. Lignin dispersion and making same. 1,958,624; May 15.
- Howard, Harry H., et al. (See Badgley, Cecil F., assignor.)
- Howard, Henry, Newport, R. I. Scale prevention. 1,982,518; Nov. 27.
- Howard, Ivan C., assignor to The Marion Steam Shovel Company, Marion, Ohio. Locking device for foot levers. 1,966,551; July 17.
- Howard, James H., assignor to J. H. McAvoy & Company, Houston, Tex. Pipe support. 1,942,213; Jan. 2.
- Howard, James H., Houston, Tex., assignor to J. H. McEvoy & Company. Setting tool. 1,947,262; Feb. 13.
- Howard, James H., Houston, Tex., assignor to J. H. McEvoy & Company. Pipe engaging slip. 1,979,389; Nov. 6.
- Howard, James H., and J. H. McEvoy, jr., assignors to J. G. McEvoy Company, Houston, Tex. Well production apparatus. 1,983,854; Dec. 11.
- Howard, John H., Huntington Park, assignor to Globe Oil Tools Company, Los Nietos, Calif. Rock core drill head. 1,961,362; June 5.
- Howard, John H., Huntington Park, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well drilling bit. 1,978,084; Oct. 23.
- Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Company, Los Nietos, Calif. Making a tool. 1,949,050; Feb. 27.
- Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Company, Los Nietos, Calif. Well bit. 1,966,346; July 10.
- Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Co., Los Nietos, Calif. Core drill. 1,978,085; Oct. 23.
- Howard, John R., Concord, N. C. Minnow bucket. 1,942,756; Jan. 9.
- Howard, Karl S., Philadelphia, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,944,893; Jan. 30.
- Howard, Karl S., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive cylinder and smoke box saddle. 1,964,991; July 3.
- Howard, Karl S., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,971,007; Aug. 21.
- Howard, Karl S., and E. C. Jackson, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 1,955,915; Apr. 24.
- Howard, Leonard L., Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del. Commutator insulating ring. 1,971,219; Aug. 21.
- Howard, Leslie E., Streatham Hill, London, England. Manufacture of spongy rubber or similar material. 1,966,818; July 17.
- Howard, Lester, Long Island City, assignor to Cutler Mail Chute Co., Rochester, N. Y. Mail chute. 1,969,848; Aug. 14.
- Howard, Merton W., assignor to Pope Machinery Corporation, Haverhill, Mass. Heel stamping machine. 1,961,219; June 5.
- Howard, Merton W., Lynn, assignor to Pope Machinery Corporation, Haverhill, Mass. Workholder. 1,962,243; June 12.
- Howard, Richard, Los Angeles, Calif. Combination dripping pan. 1,957,013; May 1.
- Howard, Samuel L., Washington, D. C. Web cartridge belt. 1,968,767; July 31.
- Howard & Sons Limited. (See Blagden, J. W., and Huggett, assignors.)
- Howard, Stanley R., East Milton, and A. C. Everett, Boston, assignors to Pneumatic Scale Corporation Limited, Quincy, Mass. Wrapping machine. 1,955,331; Apr. 17.
- Howard, William. (See Trey, S., and Howard.)
- Howard, Willis G., assignor to The Sterolene Co., Indianapolis, Ind. Egg treating machine. 1,960,339; May 29.
- Howard, Wilson F., assignor to Jones & Lamson Machine Company, Springfield, Vt. Preventing chattering of slender work. 1,976,072; Oct. 9.
- Howards & Sons Limited. (See Blagden, J. W., and Huggett, assignors.)
- Howarth, Harry A. S., Torresdale, assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Lubricating device and system. 1,942,101; Jan. 2.
- Howarth, Harry A. S., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Dictation machine. 1,962,394; June 12.
- Howarth, Harry A. S., Frankford, assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 1,971,412; Aug. 28.
- Howarth, William. (See Dickie, W. A., and Howarth.)
- Howarth, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile apparatus. 1,984,798; Dec. 18.
- Howe, Andrew F., University City, Mo. Grinder. 1,955,129; Apr. 17.
- Howe, Andrew F., University City, Mo. Sand washer. 1,967,028; July 17.
- Howe, Carleton H., Worcester, assignor to Buxton, Incorporated, Springfield, Mass. Key case. 1,953,207; May 15.
- Howe, Charles S., assignor to Los Angeles Testing Laboratory, Los Angeles, Calif. Synthetic inorganic gel and making same. 1,943,532; Jan. 16.
- Howe, Clarence R., Lowell, Mass. Guide eyelet for textile apparatus. 1,964,356; June 26.
- Howe, E. K. (See Ungar, Gustave A., assignor.)
- Howe, Earl L., Dayton, Ohio. Amusement device. Des. 92,311; May 22.
- Howe, Edward W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 91,712; Mar. 13.
- Howe Folding Furniture Inc. (See Howe, Harold, assignor.)
- Howe, Harold, assignor to Howe Folding Furniture Inc., New York, N. Y. Folding mechanism. 1,945,899; Feb. 6.
- Howe, Harold, assignor to Howe Folding Furniture Inc., New York, N. Y. Folding means. 1,964,759; July 3.
- Howe, Henry L., Rochester, N. Y. Method and apparatus for testing bituminous and other mixtures. 1,979,267; Nov. 6.
- Howe, John H., South Orange, N. J. Aircraft sustaining unit. 1,969,077; Aug. 7.
- Howe, Mahlon P., Albert Lea, Minn. Automobile crank—nonknocking. 1,950,797; Mar. 13.
- Howe Manufacturing Company. (See Harrington, James H., assignor.)
- Howe Manufacturing Company. (See Turner, Charles A., assignor.)
- Howe, Patrick H., Springfield Gardens, N. Y. Key indicator. 1,948,985; Feb. 27.
- Howe, Raymond F. (See Adams, M., and Howe.)
- Howe Scale Company. (See Fuller, Louis W., assignor.)
- Howe, Thomas H., Darlington, Wis. Clamping device. 1,958,667; May 15.
- Howe, Vernon D., Buffalo, N. Y. Toy gun. 1,957,713; May 8.
- Howe, Wallace L., West Boylston, and R. H. Martin, assignors to Norton Company, Worcester, Mass. Article of bonded granular material and making the same. 1,983,082; Dec. 4.
- Howe, William S., Hinsdale, N. H., assignor to Production Machine Company, Greenfield, Mass. Belt joint. 1,960,193; May 22.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,975,135; Oct. 2.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Shock absorbing means. 1,980,136; Nov. 6.
- Howell, Delta B., Murphysboro, Ill. Apparatus for manufacturing earthenware. 1,941,802; Jan. 2.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Centrifugal speed governor. 1,941,473; Jan. 2.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion-picture-projecting machine. 1,979,800; Nov. 6.
- Howell, Bruce G., Harlingen, Tex., and I. F. Stone, Arlington, Va. Pipe coupling. 1,959,826; May 22.
- Howell, Cleves H., Albuquerque, N. Mex., and H. P. Bunker, Wheat Ridge, Colo. Valve. 1,950,848; Mar. 13.
- Howell & Company Limited. (See Garner, James R., assignor.)
- Howell, David, Huntsville, assignor of one-fourth to S. Francis, Edwardsville, one-fourth to R. Powell, Forty Fort, and one-fourth to L. Welker, Wilkes-Barre, Pa. Coal mining machine. 1,984,832; Dec. 18.
- Howell, Delta B., Murphysboro, Ill. Crank. 1,971,784; Aug. 28.
- Howell, Edward T., Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Vat dyestuffs of the dibenzanthrone series and preparing the same. 1,947,047; Feb. 13.

- Howell, Edward T., Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Anthraquinone body and preparing the same. 1,957,459; May 8.
- Howell, Edward T., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of dibenzanthrone derivatives. 1,967,617; July 24.
- Howell Electric Motors Company. (See Yost, Norman S., assignor.)
- Howell Industrial Truck Company, The. (See Howell, R. C., and Avery, assignors.)
- Howell, Joseph C., Fort Lee, N. J. Arch support. 1,945,688; Feb. 6.
- Howell, Roy C., Lakewood, and F. J. Avery, Willoughby, assignors to The Howell Industrial Truck Company, Cleveland, Ohio. Industrial truck. 1,985,169; Dec. 18.
- Howell, W. H., Company, The. (See Ericson, Philip E. G., assignor.)
- Howells, Lloyd T., assignor to The Electric Smelting and Aluminum Company, Cleveland, Ohio. Method of selecting dyes for treating goods to alter the colors thereof. 1,964,760; July 3.
- Hower, Harry C., Chicago, Ill. Automobile tire. Des. 92,401; June 5.
- Howes Bros. Hide Co. (See Howes, E. G., jr., and Bartlett, assignors.)
- Howes, Ernest G., jr., Hingham, and E. C. Bartlett, Cambridge, assignors to Howes Bros. Hide Co., Boston, Mass. Machine for shredding leather. 1,973,074; Sept. 11.
- Howes, Raymond T. (See Caldwell, L., and Howes.)
- Howes, Raymond T., Long Beach, Calif., assignor, by mesne assignments, to Brucite Processes, Inc. Refining oil. 1,966,010; July 10.
- Howes, Raymond T., assignor, by mesne assignments, to California First National Bank of Long Beach, Long Beach, Calif., as trustee. Neutralization. 1,968,397; July 31.
- Howes, Raymond T., Long Beach, assignor, by mesne assignments, to H. Mumper and L. Cruickshank, Los Angeles, Calif. Preparing dry carbon dioxide. 1,977,063; Oct. 16.
- Howes, S. M., Company, The. (See Frenning, A. B., and Hallett, assignors.)
- Howett, Charles E., Lancaster, Pa. Liquid projecting device. 1,983,461; Dec. 4.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full fashioned knitting machine. 1,958,823; May 15.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Loop regulating mechanism for knitting machines. 1,964,159; June 26.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Cam element. 1,968,945; Aug. 7.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 1,972,044; Aug. 28.
- Howie, Kenneth, and C. C. Kriebel, assignors to Wildman Mfg. Co., Norristown, Pa. Full fashioned knitting machine. 1,982,991; Dec. 4.
- Howland, Owen L., Maywood, and C. J. Kitchell, Chicago, Ill., assignors, by mesne assignments, to Una Welding Inc., Cleveland, Ohio. Machine for coating welding rods and the like. 1,952,499; Mar. 27.
- Howland, Winthrop P., Pacific Beach, Calif. Closure latch and lock. 1,975,511; Oct. 2.
- Howland, Winthrop P., Pacific Beach, Calif. Animal trap. 1,982,870; Dec. 4.
- Howle, Ernest O. (See Howle, Gladys R., assignor.)
- Howle, Gladys R., assignor to E. O. Howle, Chicago, Ill. Garbage burner. Re19,214; June 19.
- Howlett, Frank H., Oakland, Calif. Vegetable slicer and shredder. 1,984,216; Dec. 11.
- Howlett, John W. (See Clement, Robert F., assignor.)
- Howlett, John W. (See Sanders, A. F., and Howlett.)
- Howry, Hobart B., assignor to National Air Conditioning Company, Sioux City, Iowa. Air conditioning apparatus. 1,944,146; Jan. 16.
- Howsam, Hilyard C., assignor to Hubbard Spool Company, Chicago, Ill. Reel. 1,977,880; Oct. 23.
- Howse, Curtis L. (See Snow, N. L., and Howse.)
- Howse, Curtis L., and W. P. Thomas, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,944,324; Jan. 23.
- Howser, Harry R., jr., Washington, D. C. Photographic finder. 1,979,159; Oct. 30.
- Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Frequency and load control of alternating current systems. 1,971,818; Aug. 28.
- Hoxie, Earle A., Lansdowne, Pa., assignor to General Electric Company. Control system. 1,947,204; Feb. 13.
- Hoxie, Ralph J., assignor to Waterloo Fruit & Commission Company, Waterloo, Iowa. Shipping crate. 1,965,938; July 10.
- Hoy, John E., Midland, Mich., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Extrusion press. 1,944,982; Jan. 30.
- Hove, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Switch. 1,952,436; Mar. 27.
- Hoyem, John. (See Allard, W. N. F., and Hoyem.)
- Hoyer, Ewald, Leonberg, near Stuttgart, Germany. Floor and ceiling. 1,970,309; Aug. 14.
- Hoyer, Frederic J., assignor of one-fourth to F. E. Frankel, Pittsburgh, Pa. Marker tag. 1,950,244; Mar. 6.
- Hovols, Léon, Gilly, Belgium. Process and apparatus for separating ores. 1,961,666; Jan. 8.
- Hoyt, Lester F., East Aurora, assignor to Larkin Co., Inc., Buffalo, N. Y. Soap. 1,971,375; Aug. 28.
- Hoyt, Lester F., East Aurora, and W. A. Smith, Hamburg, N. Y.; said Hoyt assignor to said Smith. Fuel composition and method of manufacture. 1,975,755; Oct. 2.
- Hoza, John, Newark, assignor to Driver-Harris Company, Harrison, N. J. Radiotube. 1,975,721; Oct. 2.
- Hrib, George, jr., et al. (See Lyeso, George, assignor.)
- Hrib, Mike, et al. (See Lyeso, George, assignor.)
- Hruby, Frank, University Heights, Ohio. Ladder. 1,976,345; Oct. 9.
- Hruska, Alois, Cicero, assignor of four-tenths to F. Seibert, Riverside, Ill. Door closer and check. 1,952,070; Mar. 27.
- Hruska, Joseph J., Milwaukee, Wis. Tire. 1,946,622; Feb. 13.
- Hubar, Guillaume M. L. van H., Wassenaar, Netherlands. Eyeglasses. 1,975,490; Oct. 2.
- Hubbard, Burnette L. (See Hansen, J. C., and Hubbard.)
- Hubbard, Cecil R., assignor to The Garlock Packing Company, Palmyra, N. Y. Machinery packing. 1,969,008; Aug. 7.
- Hubbard, Cecil R., and F. W. Armstrong, assignors to The Garlock Packing Company, Palmyra, N. Y. Gasket. 1,942,703; Jan. 9.
- Hubbard, Cecil R., and F. W. Armstrong, assignors to The Garlock Packing Company, Palmyra, N. Y. Gasket. 1,942,704; Jan. 9.
- Hubbard, Cecil R., and R. M. Waples, assignors to The Garlock Packing Company, Palmyra, N. Y. Oil-sealing device. 1,942,705; Jan. 9.
- Hubbard, Cecil R., and R. M. Waples, assignors to The Garlock Packing Company, Palmyra, N. Y. Oil sealing device. 1,969,797; Aug. 14.
- Hubbard and Company. (See McIlrath, Arnold, assignor.)
- Hubbard and Company. (See Peirce, Charles L., jr., assignor.)
- Hubbard, Dennis L. (See Bell, F. B., and Hubbard.)
- Hubbard, Don C., Auburn, assignor to Webster Rubber Company, Sabattus, Maine. Shoe sole structure. 1,972,843; Sept. 4.
- Hubbard, Henry E. (See Duncan, J. S., and Hubbard.)
- Hubbard, Henry E., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,941,685; Jan. 2.
- Hubbard, Karl H., assignor to Taylor Instrument Companies, Rochester, N. Y. Regulator. 1,985,829; Dec. 25.
- Hubbard, Moses G., Utica, N. Y. Coffee percolator. 1,974,676; Sept. 25.
- Hubbard, Prevost, White Plains, N. Y. Preparing subgrades for roads and highways. 1,969,267; Aug. 7.
- Hubbard Spool Company. (See Howsam, Hilyard C., assignor.)
- Hubbard, Walter N. (See Borden, P. A., and Hubbard.)
- Hubbard, William A., et al. (See Hawley, John B., jr., assignor.)
- Hubbard, William A., Minneapolis, Minn. Nozzle for liquid fuel burners. 1,982,871; Dec. 4.
- Hubbeling, Johan D. W., assignor to American Enka Corporation, Enka, N. C. Spinning solution and making same. 1,979,268; Nov. 6.
- Hubbell, Alfred W., assignor to Phillips Petroleum Company, Bartlesville, Okla. Tank gauging apparatus. 1,958,272; May 8.
- Hubbell, Charles C., New York, N. Y. Apparatus for conditioning fluids. 1,966,011; July 10.
- Hubbell, Dean S. (See Young, J. H., and Hubbell.)
- Hubbell, Harvey, jr., Bridgeport, Conn. Rubber cord connector. 1,965,594; July 10.
- Hubbell, Harvey, jr., Bridgeport, Conn. Unit wall box and receptacle. 1,971,302; Aug. 21.
- Hubbell, Harvey, jr., Bridgeport, Conn. Grounded socket casing. 1,974,049; Sept. 18.
- Hubbell, Harvey, Incorporated. (See Avery, Charles E., assignor.)
- Hubenet, William W., Detroit, Mich. Ham display and holding device. 1,954,527; Apr. 10.
- Huber, Charles J. (See Leeb, J. S., and Huber.)
- Huber, Charles J., et al. (See Simmons, Gordon, assignor.)
- Huber, Eugen. (See Vogt, W., and Huber.)
- Huber, Frederick W., Riverside, Calif. Activating adsorbent earths or clays. 1,976,127; Oct. 9.
- Huber, Henry. (See Horton, E. C., and Hueber.)
- Huber, Herman J. H., Upper Darby, Pa., assignor to General Electric Company. Electrical switch gear. 1,948,350; Feb. 20.
- Huber, Horace H., Indianapolis, Ind., assignor to William C. Dunn, Chicago, Ill. Carburetor. 1,946,284; Feb. 6.
- Huber, Horace H., Indianapolis, Ind., assignor to Champion Carburetor. Carburetor. 1,960,109; May 22.
- Huber, Karl, Moravská-Ostrava, Czechoslovakia. Rolling mill. 1,963,905; June 19.
- Huber, Otmar A. (See Sylvester, K. A., and Huber.)
- Huber, Otto, assignor to R. Schwickert Aktiengesellschaft, Freiburg (Breisgau), Germany. Manufacture of tracing cloth. 1,961,105; May 29.
- Huber, Otto E., Reading, assignor to Narrow Fabric Co., West Reading, Pa. Elastic lace braid. Des. 92,175; May 8.
- Huber, Ward L., East Cleveland, Ohio. Dispensing device for liquid containers. 1,952,437; Mar. 27.
- Huber, Wilhelm. (See Felix, F., and Huber.)
- Huberich, Karl. (See Andrussov, L., and Huberich.)

- Hubert, Emil, and K. Wiesbrod, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. New copper oxide-ammonia cellulose solutions. 1,947,939; Feb. 20.
- Hübl, Josef, Vienna, Austria, assignor to the firm "Pelithe" Holding A. G., St. Gallen, Switzerland. Electric heating pad. 1,980,528; Nov. 13.
- Hubley Manufacturing Company, The. (See Brubaker, Jacob E., assignor.)
- Hübner, Hanns, Berlin-Lichterfelde, assignor to Carl Lindström Aktiengesellschaft, Berlin, Germany. Electrical reproducer for disk records. 1,980,137; Nov. 6.
- Hubrich, Frank P. (See Boulanger, A. D., and Hubrich.)
- Hübschmann, Max. (See Bauersfeld, W., and Hübschmann.)
- Hübschmann, Max. (See Hauser, F. Hübschmann, and Schmalz.)
- Hübschmann, Max, Jena, assignor to the firm Carl Zeiss, Jena, Germany. Object stage for projection apparatus. 1,943,533; Jan. 16.
- Huck, Louis C., New York, N. Y. Brake mechanism. 1,962,658; June 12.
- Huck, Louis C., Grosse Pointe, Mich. Hydraulic brake. 1,965,894; July 10.
- Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Sheet feeding mechanism. 1,944,711; Jan. 23.
- Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Graining machine. 1,981,046; Nov. 20.
- Huckel, John F., Kansas City, Mo. Portable refreshment stand. 1,979,549; Nov. 6.
- Huckle, Myron S., Brookline, Mass., assignor to Bendix Research Corporation, East Orange, N. J. Internal combustion engine. 1,952,805; Mar. 27.
- Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace scarf or similar article. Des. 91,626; Feb. 27.
- Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace scarf or similar article. Des. 91,663; Mar. 6.
- Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace scarf or similar article. Des. 91,713; Mar. 13.
- Hucks, Robert T., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonchalking coating composition. 1,948,580; Feb. 27.
- Hucks, William, assignor of one-half to Sodastream Limited, Camden Town, England. Method of and apparatus for aerating liquids. 1,973,722; Oct. 2.
- Hudd, Alfred E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Train control system. 1,963,582; June 19.
- Hudd, Alfred E., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Pneumatic stop detector. 1,972,301; Sept. 4.
- Hudd, Alfred E., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Stop detector. 1,984,679; Dec. 18.
- Huddle, Edwin F. (See Kettenbach, A. D., and Huddle.)
- Huddle, Edwin F., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 1,947,552; Feb. 20.
- Huddle, Edwin F., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 1,955,543; Apr. 17.
- Huddle, Edwin F., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 1,955,544; Apr. 17.
- Hudeley, Victor. (See Rodde, A., Herault, Hudeley, and Lagrave.)
- Hudgens, Luther E., Wichita Falls, Tex. Level indicator and flow regulator. 1,985,451; Dec. 25.
- Hudgings, Welker W., et al. (See Hainsworth, Kenneth M., assignor.)
- Hudgings, William F., Brooklyn, N. Y., assignor to Health Products Corporation of America. Medical apparatus. 1,983,293; Dec. 4.
- Hudiakoff, Andrei, New York, N. Y. Apparatus for multiple visual effects. 1,952,920; Mar. 27.
- Hudson, Albert E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole marking machine. 1,959,583; May 22.
- Hudson, Albert E., assignor to Hoague-Sprague Corporation, Lynn, Mass. Tucking mechanism. 1,972,226; Sept. 4.
- Hudson, Alden, Green Bay, Wis. Film display frame for projectors. 1,943,673; Jan. 16.
- Hudson, David W., Green Bay, Wis. Web cut-off mechanism. 1,984,680; Dec. 18.
- Hudson, Edwin B. (See Millan, E. N., and Hudson.)
- Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Vibrator conveyer for furnaces. 1,972,191; Sept. 4.
- Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Automatic feeding and catching device for rolling mills. 1,973,810; Sept. 18.
- Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. High speed hot collar. 1,985,501; Dec. 25.
- Hudson Electric Heating Corporation. (See Colbie, Gus L., assignor.)
- Hudson Electrical Heating Corporation. (See Holinger, Emil F., assignor.)
- Hudson, Franklin. (See Engel, F. A., Lawrence, and Hudson.)
- Hudson, Frederick W. (See Davidson, William H., assignor.)
- Hudson, H. D., Manufacturing Company. (See Altenburger, I. O., and De Frees, assignors.)
- Hudson, H. D., Manufacturing Company. (See De Frees, Nicholas W., assignor.)
- Hudson, H. D., Manufacturing Company. (See Keating, Maurice H., assignor.)
- Hudson, Leo A., Glenbrook, Conn. System of remote control. 1,944,326; Jan. 23.
- Hudson Motor Car Company. (See Baits, Stuart G., assignor.)
- Hudson Motor Car Company. (See Bartz, Arthur E., assignor.)
- Hudson Motor Car Company. (See Greig, James W., assignor.)
- Hudson Motor Car Company. (See Northrup, Homer M., assignor.)
- Hudson Motor Car Company. (See Whisler, Ralph H., assignor.)
- Hudson, Samuel, Los Angeles, Calif. Shampoo bowl. Des. 93,105; Aug. 21.
- Hudson-Sharp Machine Company. (See Schueler, Frederick C., assignor.)
- Hudson, William F., Philadelphia, Pa. Horn signaling device. 1,960,665; May 29.
- Hudson, William J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,985,033; Dec. 18.
- Hudson, William W. (See Imrie, J. E., and Hudson.)
- Hudson, Willis T., Memphis, Tenn. Swimming shoe. 1,983,609; Dec. 11.
- Hudspeth, George T., Dallas, Tex. Curtain and drapery holder. 1,980,918; Nov. 13.
- Hueber, Henry. (See Horton, E. C., and Hueber.)
- Hueber, Henry. (See Oishei, J. R., Hueber, Paulus, and Horton.)
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Pump. 1,942,646; Jan. 9.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Rear view mirror. 1,952,863; Mar. 27.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Wiper arm and mounting. 1,952,866; Mar. 27.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,964,401; June 26.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Control actuator for windshield cleaners. 1,969,079; Aug. 7.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner motor. 1,973,482; Sept. 11.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner valve action. 1,978,634; Oct. 30.
- Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield heater. 1,942,647; Jan. 9.
- Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Radiator shell. 1,946,074; Feb. 6.
- Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Wiper arm mounting. 1,956,516; Apr. 24.
- Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Suction boosting apparatus. 1,969,078; Aug. 7.
- Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner operated from the motor vehicle lubricating system. 1,981,839; Nov. 20.
- Hueber, Henry, and G. Dykstra, assignors to Trico Products Corporation, Buffalo, N. Y. Fluid motor. 1,981,840; Nov. 20.
- Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Fuel system for motor vehicle engines. 1,981,841; Nov. 20.
- Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Carburetor. 1,982,581; Nov. 27.
- Hueber, Victor B., Englewood, N. J., assignor to Durham Duplex Razor Company. Razor sheath. 1,957,065; May 1.
- Huebner, Otto E., Richmond Hill, N. Y., assignor, by mesne assignments, to Mechanical Development Corporation of America. Storage battery. 1,947,473; Feb. 20.
- Huebner, William C., New York, N. Y. Vacuum printing element holder. 1,978,493; Oct. 30.
- Huebner, William C., Chicago, Ill. Photographic printing apparatus. 1,984,217; Dec. 11.
- Huebsch Manufacturing Company. (See Huebsch, Monte F., assignor.)
- Huebsch, Monte F., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Shirt collar ironer. 1,959,626; May 22.
- Huebschle, Conrad, Cincinnati, Ohio. Anthropometer. 1,946,075; Feb. 6.
- Hueglin, Herman C., assignor to Federal Merchandise Company, Chicago, Ill. Air circulator. Des. 94,029; Dec. 11.
- Huehn, George A., Warton, Ontario, Canada. Golf bag stand. 1,982,388; Nov. 27.
- Huenergardt, William H., assignor to Rock-ola Mfg. Co., Chicago, Ill. Game device. 1,972,993; Sept. 11.
- Huet, André. (See Magis, A., and Huet.)
- Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Steam boiler. 1,941,686; Jan. 2.

- Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Recuperative superheater. 1,949,866; Mar. 6.
- Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Boiler. 1,957,536; May 8.
- Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Desuperheater. 1,964,060; June 26.
- Huet, Frederick A. (See Waddell, J., and Huet.)
- Huetteman, Gustav A., assignor to Hammer-Bray Company, Oakland, Calif. Mold for casting gas burners. 1,952,500; Mar. 27.
- Huettig, Arno R., Erie, Pa., assignor to American Meter Company, New York, N. Y. Joint. 1,963,464; June 19.
- Huettmann, Fred. (See Winton, John R., assignor.)
- Hufenus, John, West New York, N. J. Lace fabric or the like. Des. 93,166; Aug. 28.
- Huff, Clayton W., Toledo, Ohio. Advertising device. 1,966,668; July 17.
- Huff, Edward S., Dearborn, Mich. Gas torch. 1,947,087; Feb. 13.
- Huff, Edward S., Dearborn, Mich. Gas torch. 1,976,399; Oct. 9.
- Huff, Edward S., assignor to Ford Motor Company, Dearborn, Mich. Tuning device for automobile radio-receivers. 1,975,847; Oct. 9.
- Huff, Elbridge G., Malden, assignor to Cutter Manufacturing Company, Everett, Mass. Fire screen. 1,968,890; Aug. 7.
- Huff, Lyman C., Winnetka, Ill. Humidifying air. 1,970,234; Aug. 14.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,946,938; Feb. 13.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,948,713; Feb. 27.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,948,714; Feb. 27.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,957,780; May 8.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils and producing ethylene. 1,962,198; June 12.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Reduction of residuum from cracking operation by distillation. 1,965,189; July 3.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Removal of carbonaceous materials from vessels. 1,979,550; Nov. 6.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,980,204; Nov. 13.
- Huff, Thomas H. (See Schnetzer, S., and Huff.)
- Huff, Wilbert J., agent. (See Huff, W. J., Logan, and Lusby, assignors.)
- Huff, Wilbert J., L. Logan and O. W. Lusby, Baltimore, Md. Purification of gas. 1,947,776; Feb. 20.
- Huff, Wilbert J., O. W. Lusby, and L. Logan, Baltimore, Md. Filling unit. 1,947,777; Feb. 20.
- Huff, Wilbert J., L. Logan, and O. W. Lusby, Baltimore, Md. Combined generator and purifier. 1,947,778; Feb. 20.
- Huff, Wilbert J., L. Logan, and O. W. Lusby, Baltimore, Md., assignors to W. J. Huff, agent. Apparatus for purifying gas. 1,947,779; Feb. 20.
- Hufford, George H. (See Dautrick, O. L., Hufford, Casse, and Stephens.)
- Hufford, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Joint. 1,957,781; May 8.
- Hufford, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 1,971,184; Aug. 21.
- Hufford, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Incorporated, Cleveland, Ohio. Joint. 1,985,781; Dec. 25.
- Huffine, Kenneth W., assignor, by mesne assignments, to Banner Rock Corporation, Alexandria, Ind. Mineral fiber soundproof panel. 1,984,190; Dec. 11.
- Huffman, Charles E., Montclair, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electron discharge device. 1,949,276; Feb. 27.
- Huffman, Louis. (See Lawson, A. R., and Huffman.)
- Huffman Manufacturing Company, The. (See Roth, J. T., and Vahle, assignors.)
- Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,949,075; Feb. 27.
- Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,955,744; Apr. 24.
- Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,977,636; Oct. 23.
- Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill fluid cleansing means. 1,979,551; Nov. 6.
- Huffman, Russell I., Strasburg, Ohio, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Flat-iron or like article. Des. 93,106; Aug. 21.
- Huffman, Samuel C., Lincoln, Nebr. Storage file. 1,962,596; June 12.
- Huffman, William E., Dayton, Ohio. Flight trainer. 1,944,180; Jan. 23.
- Huffman, William E., Dayton, Ohio. Conductor and collector ring. 1,953,960; Apr. 10.
- Huffman, William P., and F. F. Rike, assignors to Buckeye Iron and Brass Works, Dayton, Ohio. Pressure relief attachment. 1,963,270; June 19.
- Hufford, Charles, Detroit, Mich. Mop wringing device. 1,965,342; July 3.
- Huffstutler, J. T. (See Cole, C. E., Morrison, and Sigsbee, assignors.)
- Huffstutter, John W., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. High voltage expulsion fuse. 1,971,819; Aug. 28.
- Hufnail, Albert C. (See Hufnail, Francis E. and A. C.)
- Hufnail, Francis E. and A. C., Grandview, Wash. Automatic compensating device for sealing openings around doors, windows, and the like. 1,973,210; Sept. 11.
- Hug, Christian J., Highland, Ill. Agitator truck body. 1,966,502; July 17.
- Hug, Ernst, Neu-Altschwil, near Basel, and M. Müller, assignors to Durand & Huguenin S. A., Basel, Switzerland. Manufacture of azo-dyestuffs. 1,944,645; Jan. 23.
- Hugel, Georges, Strasburg, M. Paul, Nancy, and M. Boistel, Brebach, assignors to Société d'Etudes Chimiques Appliquées "S. E. C. A.", Nancy, France. Hydrogenation of organic substances. 1,968,208; July 31.
- Huggett, Walter E. (See Flaggden, J. W., and Huggett.)
- Huggins, Bemis, Humboldt, Tenn. Foldable crate. 1,984,269; Dec. 11.
- Huggins, Merion J., Upper Saddle River, N. J. Radio apparatus. 1,961,220; June 6.
- Huggins, Merion J., Upper Saddle River, N. J. Radio apparatus. 1,979,107; Oct. 30.
- Hugh, Charles N., Manufacturing Company. (See Thompson, O. J., and Heber, assignors.)
- Hugh, Percy G. (See North, O. D., and Hugh.)
- Hughes, Benjamin I., Knoxville, Tenn. Soft collar positioner. 1,949,307; Feb. 27.
- Hughes, Benjamin I., Knoxville, Tenn. Dispensing container. 1,973,256; Sept. 11.
- Hughes, Delmar R., Oakwood, Ohio. Ice pick. Des. 92,176; May 8.
- Hughes, Francis P., Philadelphia, Pa. Folding pocket case. 1,944,345; Jan. 23.
- Hughes, Frederick G., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing. 1,956,236; Apr. 24.
- Hughes, Frederick G., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Mounting for shafts. 1,956,237; Apr. 24.
- Hughes, George M., Webb, Iowa. Heater and brooder stove. 1,973,257; Sept. 11.
- Hughes, Grover A., assignor to Truscon Steel Company, Youngstown, Ohio. Electric welding. 1,943,259; Jan. 9.
- Hughes, Helen. (See Langworthy, C. F., and Hughes.)
- Hughes, James R., South Bend, Ind. Automobile radiator cover. Des. 93,620; Oct. 16.
- Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Vehicle construction. 1,982,105; Nov. 27.
- Hughes, James W., assignor to Chrysler Corporation, Detroit, Mich. Overrunning clutch. 1,954,206; Apr. 10.
- Hughes, John M., et al. (See Butler, Richard C.)
- Hughes, Joseph W., New Kensington, Pa. Signaling device. 1,966,860; July 17.
- Hughes, Lafayette M. (See Mitchell, Thomas A., assignor.)
- Hughes, Michael. (See McCaig, Robert L., assignor.)
- Hughes-Mitchell Processes, Incorporated. (See Mitchell, Thomas A., assignor.)
- Hughes-Mitchell Processes, Incorporated. (See Sessions, Royal L., assignor.)
- Hughes, Robert D., and E. W. Vahle, Dayton, Ohio, assignors, by mesne assignments, to Martin & Schwartz, Inc., Buffalo, N. Y. Card exhibiting device. 1,964,798; July 3.
- Hughes, Thomas L., Fullerton, Calif. Razor blade sharpener. 1,953,559; Apr. 3.
- Hughes Tool Company. (See Baggett, Henry T., assignor.)
- Hughes Tool Company. (See Fletcher, Harold W., assignor.)
- Hughes Tool Company. (See Garfield, Lewis E., assignor.)
- Hughes Tool Company. (See Neuhaus, Ralph, assignor.)
- Hughes Tool Company. (See Ricker, Norman H., assignor.)
- Hughes Tool Company. (See Scott, Floyd L., assignor.)
- Hughes Tool Company. (See Scott, F., and Garfield, assignors.)
- Hughes, Urban B., et al. (See Dunagin, William A., assignor.)
- Hughes, William, Chevy Chase, Md. Building remodeling apparatus. 1,973,346; Sept. 11.
- Hughes, William A., Morristown, N. J., assignor to The Harvel Corporation. Package and preparing the same. 1,945,148; Jan. 30.
- Hughes, William F., assignor to Perfection Gear Co., Chicago, Ill. Flexible damper clutch plate assembly. 1,946,144; Feb. 6.
- Hughes, William F., assignor to Perfection Gear Co., Chicago, Ill. Cushion clutch plate. 1,961,930; June 5.
- Hughes, William I., Gates, N. Y. Clip for fish lines. 1,970,752; Aug. 21.
- Hughey, Carter J. (See Hopkins, R. S., and Hughey.)
- Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Self-threading film magazine. 1,966,347; July 10.

- Hughes, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Control for a photographic apparatus. 1,966,348; July 10.
- Hughes, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Control for power driven photographic apparatus. 1,973,483; Sept. 11.
- Hughes, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Duplex camera. 1,973,484; Sept. 11.
- Hughes, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Control for a photographic recording apparatus. 1,976,346; Oct. 9.
- Hughes, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Auxiliary feeding hopper for a document handling machine. 1,981,452; Nov. 20.
- Huguenin, Albert, Paris, France. Rotor wheel. 1,945,900; Feb. 6.
- Huguenin, Albert, Paris, France. Distributor for hydraulic reversing turbines. 1,945,901; Feb. 6.
- Huguenin, Albert, Paris, France. Distributor control for hydraulic reversing turbines. 1,950,305; Mar. 6.
- Huhn, Gustav, Berlin, Germany. Carbon ring packing for the shafts of turbines and the like. 1,956,900; May 1.
- Huhn, Walter, Cologne-Mulheim-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Vulcanizing rubber. 1,944,346; Jan. 23.
- Huijser, Hendrik W., and J. A. van Melsen, Amsterdam, assignors to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Absorbing olefines in strong acids. 1,958,578; May 15.
- Huisman, Johann, and H. Schweitzer, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Moth-protecting media. 1,962,276; Jan. 12.
- Huitt, Charles C., and W. L. Parrott, East Orange, N. J. Shoe polishing device. 1,969,268; Aug. 7.
- Hukill, Henry D. (See Apple, V. G., and Hukill.)
- Hulburt, Edward O., Washington, D. C. Polarization photometer. 1,976,728; Oct. 16.
- Hulet, Jesse S., Kingman, Ariz. Trap. 1,978,998; Oct. 30.
- Hulfish, David S., assignor to Teletype Corporation, Chicago, Ill. Motor control. 1,972,266; Sept. 4.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Thermionic cathode lamp and operating the same. Re19,057; Jan. 23.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Thermostatic control for thermionic arc discharge devices. 1,955,545; Apr. 17.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Light-sensitive apparatus. 1,979,226; Oct. 30.
- Hull, Charles W., Los Angeles, assignor of one-third to K. D. Fobes, South Pasadena, and one-third to F. P. Cleary, Los Angeles, Calif. Booster. 1,970,172; Aug. 14.
- Hull, George A., assignor to Equipment Specialties Company, Chicago, Ill. Brake drum. 1,969,133; Aug. 7.
- Hull, George K., Fredonia, N. Y. Pipe assembling and welding apparatus. 1,952,319; Mar. 27.
- Hull, George K., Fredonia, and R. L. Drake, Dunkirk, N. Y. Device for handling large metal plates. 1,962,772; June 12.
- Hull, Harry B. (See Bichowsky, F. R., and Hull.)
- Hull, Joseph N., Geneva-on-the-Lake, Ohio. Manifold air intake. 1,978,262; Oct. 23.
- Hull, Leslie M., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. System for amplification. 1,948,265; Feb. 20.
- Hull, Lewis M., Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Audion circuit. 1,965,645; July 10.
- Hull, Ross A., West Hartford, assignor to Edith C. Taylor, Hartford, Conn. Illuminating device for table tops. 1,956,796; May 1.
- Hull, Robert A., Andover, Ill. Cemetery monument. 1,982,432; Nov. 27.
- Hull, Walter E., Warren, Ohio. Magnetic compass. 1,972,708; Sept. 4.
- Hulley, Albert and W. J., New York, N. Y. Refuse collection vehicle. 1,961,587; June 5.
- Hulley, William J. (See Hulley, Albert and W. J.)
- Hullhorst, Stella B., executrix. (See Hullhorst, William G.)
- Hullhorst, William G., deceased, S. B. Hullhorst, executrix, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for grooving laminated glass. 1,948,581; Feb. 27.
- Hulling, Will, San Jose, Ill. Display unit. 1,971,263; Aug. 21.
- Hulme, Philip M., and F. X. Banz, Chuquicamata, Chile, assignors to Chile Exploration Company, New York, N. Y. Refining copper. 1,965,190; July 3.
- Hulse, Albert J. (See Wille, F., Hulse, and Kirk.)
- Hulse, George E. (See Strobell, J. D., and Hulse.)
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Art and apparatus for cooling. 1,943,315; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration. 1,943,316; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration system. 1,943,317; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration system and apparatus. 1,943,318; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Temperature controlling apparatus. 1,943,965; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration system and apparatus. 1,943,966; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration. 1,943,967; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration system. 1,943,968; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Temperature regulating system and apparatus. 1,943,969; Jan. 16.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration apparatus and refrigerating. 1,943,971; Jan. 16.
- Hulse, George E., and J. D. Strobell, New Haven, Conn., assignors to The Safety Car Heating & Lighting Company. Art and apparatus for cooling. 1,943,970; Jan. 16.
- Hulse Manufacturing Company. (See Seagers, Harrison M., assignor.)
- Hulshizer, George W., Stewartville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drilling mechanism. 1,972,017; Aug. 28.
- Hulshizer, George W., Stewartville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,975,229; Oct. 2.
- Hulslander, Ray D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for removing cores from tires. 1,979,552; Nov. 6.
- Hultberg, Rolf B. J., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 1,959,759; May 22.
- Hultberg, Walter R. (See Chamberlain, W. P., jr., and Hultberg.)
- Hultgren, Gunnar V. (See Lewis, R. C., and Hultgren.)
- Hultquist, Charles A., Los Angeles, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Retainer for tools and the like. 1,969,798; Aug. 14.
- Hultquist, Victor J., Alcoa, Tenn. Service banger. 1,982,166; Nov. 27.
- Hults, Eugene A., Saltville, Va., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical container. 1,945,689; Feb. 6.
- Hults, Eugene A., Saltville, Va., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical container. 1,980,727; Nov. 13.
- Hults, Willard L., Millburn, N. J. Nail file. Des. 94,030; Dec. 11.
- Humason, Granville A. (See Raymond, W. A., and Humason.)
- Humason, Granville A., Houston, Tex. Kick-off valve for air lift devices. 1,964,436; June 26.
- Humason, Granville A., Houston, Tex. Apparatus for blowing wells. 1,969,174; Aug. 7.
- Humason, Granville A., Houston, assignor of one-half to Margia Manning, Harris County, Tex. Control head for wells. 1,944,840; Jan. 23.
- Humason, Granville A., and J. A. Logan, Houston, Tex. Combination casing head and blow-out preventer. 1,944,240; Jan. 23.
- Humason, Granville A., and J. A. Logan, assignors to Reed Roller Bit Company, Houston, Tex. Sample taking apparatus. 1,952,170; Mar. 27.
- Humason, Granville A., and M. Manning, Houston, Tex. Casing head equipment. 1,983,938; Dec. 11.
- Humason Manufacturing Company, The. (See Stuart Charles J., assignor.)
- Humboldt-Deutzmotoren A. G. (See Heidelberg, Viktor, assignor.)
- Humburg, Chris, assignor of one-half to W. W. Brower, Sheffield, Iowa. Barber's tool disinfector. 1,953,609; Apr. 3.
- Humburg, Otto, Reedsville, Wis. Spanner wrench. 1,964,121; June 26.
- Hume, Damon M., Redkey, Ind. Device for depositing salt in canned goods. Re19,174; May 22.
- Hume, Frank A., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock device. 1,967,309; July 24.
- Hume, Fred, assignor to International Shoe Company, St. Louis, Mo. Shaft bearing. 1,972,384; Sept. 4.
- Hume, George C. (See Thompson, John, assignor.)
- Hume, George C., Chilton, Wis. Device for applying and removing locking bungs. 1,963,202; June 19.
- Hume, James W., Jackson, Mich. Guard for vehicle running boards. 1,947,525; Feb. 20.
- Hume, John T., Chicago, and H. L. Hart, River Forest, assignors to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine. 1,980,484; Nov. 13.

- Hume, John T., Chicago, assignor to Electric Household Utilities Corporation, Cicero, Ill. Fluid pump. 1,983,131; Dec. 4.
- Hume, Nora E., Kansas City, Kans., and G. L. Fry, Kansas City, Mo., assignors of seventy-five per cent to said Hume and twenty-five per cent to said Fry. Automatic car register. 1,974,349; Oct. 23.
- Hume Steel Limited. (See Hume, Walter R., assignor.)
- Hume, Walter R., Melbourne, Victoria, Australia. Flux-coated welding rod and means therefor. 1,943,867; Jan. 16.
- Hume, Walter R., assignor to Hume Steel Limited, Melbourne, Victoria, Australia. Automatic control device for electric arc welding and other apparatus. 1,949,685; Mar. 6.
- Hume, Walter R., assignor to Hume Steel Limited, Melbourne, Victoria, Australia. Electric arc welding. 1,963,553; June 19.
- Humid-Cooler Corporation, The. (See Sanderson, William B., assignor.)
- Humitube Mfg. Co. (See Neumiller, Harry J., assignor.)
- Hummel, Frederick E. (See Noeth, J. J., and Hummel.)
- Hummel, Frederick E. (See Patock, Charles, assignor.)
- Hummel, George D., Wauwatosa, Wis. Fluid discharge device. 1,959,102; May 15.
- Hummel, Robert T., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Radiator rod assembly. 1,961,689; June 5.
- Hummell, Hans G. (See Jahrstorfer, M., and Hummel.)
- Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Door holding device. 1,942,860; Jan. 9.
- Hummon, Irvin F., Jr., Berwyn, Ill. Arc lamp. 1,974,537; Sept. 25.
- Hump Hairpin Manufacturing Company. (See Hermsdorf, Walter H., assignor.)
- Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Decalcomania transfer paper. 1,965,289; July 3.
- Humphrey, Carroll L. (See Lee, R. K., and Humphrey.)
- Humphrey, Carroll L., Detroit, and R. K. Lee, Highland Park, assignors to Chrysler Corporation, Detroit, Mich. Gluing machine. 1,982,004; Nov. 27.
- Humphrey, Dorothy M., assignor of one-half to L. W. Humphrey, Detroit, Mich. Hair curler. 1,951,658; Mar. 20.
- Humphrey, Herbert S., assignor to Ruud Manufacturing Company, Kalamazoo, Mich. Discharge fitting for hot water heaters and the like. 1,961,363; June 5.
- Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated methyl abietate and producing. 1,944,241; Jan. 23.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating borncol from pine oil. 1,945,501; Jan. 30.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company. Coating composition. 1,961,931; June 5.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating anethol from pine oil. 1,977,064; Oct. 16.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,978,135; Oct. 23.
- Humphrey, Loyd W. (See Humphrey, Dorothy M., assignor.)
- Humphrey, Walter E., Jeannette, Pa., assignor to Pennsylvania Rubber Company. Decoration of elastic articles. 1,963,494; June 19.
- Humphreys, Adrian C., Forest Hills, N. Y. Bottle. Des. 92,469; June 12.
- Humphreys, Caroline G., Forest Hills, N. Y. Bottle. Des. 92,133; May 1.
- Humphreys, Edwin S., Aurora, Ill., assignor, by mesne assignments, to Selected Products Corporation, Milwaukee, Wis. X-ray apparatus. 1,976,073; Oct. 9.
- Humphries, Albert. (See Nelson, A. E., and Humphries.)
- Humphries, Horace E., assignor to Siemens Brothers & Company Limited, London, England. Telephone system. 1,954,131; Apr. 10.
- Humphries, Horace E., assignor to Siemens Brothers & Co., Limited, London, England. Electric selector. 1,970,455; Aug. 14.
- Humphris, Frank, Parkstone, England. Press and other pressure exerting machine. 1,964,665; June 26.
- Humpoletz, Karl, assignor to the firm Lampen- und Metallwarenfabriken R. Ditmar Gebrüder Brünner A. G., Vienna, Austria. Petroleum wick burner. 1,957,014; May 1.
- Hunciker, Karl, assignor to I. E. McCabe, Chicago, Ill. Mercury tube switch. 1,950,278; Mar. 6.
- Hund, August, West Orange, N. J., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Frequency control and modulation system. 1,945,690; Feb. 6.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Electrical amplifier circuits. 1,950,003; Mar. 6.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Ionization tube structure. 1,951,021; Mar. 13.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Electrical amplifying system. 1,951,416; Mar. 20.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Glow tube piezo oscillator. 1,954,319; Apr. 10.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Multifrequency transmission. 1,957,269; May 1.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Electrical amplifier. 1,967,008; July 17.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Space discharge tube construction. 1,967,009; July 17.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Feed-back oscillator using ionizing tube. 1,968,770; July 31.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Space discharge tube. 1,973,075; Sept. 11.
- Hund, August, West Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Dual purpose gaseous discharge tube. 1,981,359; Nov. 20.
- Hund, Walter J. (See Rosenstein, L., and Hund.)
- Hund, Walter J., San Francisco, Calif. Making thymol. 1,967,440; July 24.
- Hundley, George K., Indianapolis, Ind. Automobile headlight lens. Des. 93,553; Oct. 9.
- Hungarian National Bank. (See von Heinrich, Friedrich, assignor.)
- Hungerford, Mary L., Colorado Springs, Colo. Toy. 1,982,433; Nov. 27.
- Hunicke, Clarence C., Palisade, N. J. Air conditioning system. 1,982,305; Nov. 27.
- Hunkele, Edward, assignor of twenty-four and one-half per cent to L. Prager and twenty-four and one-half per cent to J. Schmidt, East Orange, N. J. Heater for steam generating systems. 1,959,788; May 22.
- Hunkele, Jacob A., Pittsburgh, Pa. Towel dispenser. 1,953,301; Apr. 3.
- Hunker, Martin L., assignor to The Reeves Manufacturing Company, Dover, Ohio. Galvanizing machine. 1,971,220; Aug. 21.
- Hunker, Martin L., and J. M. Miller, assignors to The Reeves Manufacturing Company, Dover, Ohio. Roll polisher. 1,956,953; May 1.
- Hunker, Martin L., and J. M. Miller, assignors to The Reeves Manufacturing Company, Dover, Ohio. Galvanizing apparatus. 1,971,221; Aug. 21.
- Hunker, Tyrus. (See Williams, J. J., and Hunker.)
- Hunkins, Harold R., Brooklyn, N. Y., assignor to International Communications Laboratories, Inc., Newark, N. J. Break circuit for telegraph systems. 1,978,020; Oct. 23.
- Hunnell, Harry F., Antioch, assignor to Fibreboard Products Inc., San Francisco, Calif. Confection container. 1,966,394; July 10.
- Hunsicker, Clyde L., assignor of one-half to A. S. and L. D. Green, San Francisco, Calif. Ophthalmological instrument. 1,945,940; Feb. 6.
- Hunsucker, William A., Los Angeles, Calif. Orienting device for core drills. 1,980,529; Nov. 13.
- Hunt, Andrew M., San Francisco, Calif., assignor to The Standard Stoker Company, Incorporated. Combined steam engine and pulverulent fuel feeding device. 1,945,778; Feb. 6.
- Hunt, Andrew M., deceased, Berkeley, Crocker First Federal Trust Company, San Francisco, Calif., executor, assignor to The Standard Stoker Company, Incorporated. Fuel distributing system. 1,952,711; Mar. 27.
- Hunt, Emma F., Brooklyn, N. Y. Bracket and hanger. 1,982,214; Nov. 27.
- Hunt, C. Howard, Pen Company. (See Henwood, Lloyd S., assignor.)
- Hunt, Carl W., Los Angeles, Calif., assignor, by mesne assignments, to The Johnson-March Corporation, Long Island City, N. Y. Pipe coupling and pipe joint. 1,955,069; Apr. 17.
- Hunt, Charles W., Wyoming, N. J., assignor to Westinghouse Lamp Company. Mercury switch. 1,968,081; July 31.
- Hunt, Chester L., Altoona, Pa. Gas burning furnace. 1,950,849; Mar. 13.
- Hunt, Daniel F., Buffalo, N. Y., and W. E. Hessman, Luckey, Ohio, assignors to National Gypsum Company, Buffalo, N. Y. Auxiliary air regulator for furnaces. 1,962,147; June 12.
- Hunt, George H., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake operating mechanism. 1,954,528; Apr. 10.
- Hunt, George S., Pasadena, Calif. Inlaying carpet. 1,959,627; May 22.
- Hunt, Harold H., Fort Sill, Okla. Amusement device. 1,965,039; July 3.
- Hunt, Henry J., Chicago, Ill. Trap. 1,974,359; Sept. 18.
- Hunt, Horace S., Burlington, and P. L. Arnold, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Apparatus for coating centrifugal pipe molds. 1,971,376; Aug. 28.
- Hunt, Howard W. (See Marx, A., and Hunt.)
- Hunt, Howard W., assignor to The G. A. Gray Company, Cincinnati, Ohio. Clutch operating mechanism for machine tool feed control devices. 1,954,079; Apr. 10.
- Hunt, J. Harold. (See Winchester, F. U., and Hunt.)
- Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 92,600; June 26.
- Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,167; Aug. 28.
- Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,226; Sept. 4.
- Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,227; Sept. 4.

- Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 1,950,245; Mar. 6.
- Hunt, J. Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 1,982,106; Nov. 27.
- Hunt, J. Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Wheel. Des. 93,348; Sept. 18.
- Hunt, James K., and G. H. Latham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Antioxidants. 1,948,582; Feb. 27.
- Hunt, Jesse A., College Park, assignor to Egan Cotton Mills, Atlanta, Ga. Laundry padding. 1,975,103; Oct. 2.
- Hunt, Livingston S., assignor to R. H. Sloan, West New Brighton, Staten Island, N. Y. Serving tray. Des. 91,627; Feb. 27.
- Hunt, Lloyd F., and E. W. Rockwell, Los Angeles, Calif. Circuit reclosing system. 1,965,895; July 10.
- Hunt, Lloyd F., and F. B. Doolittle, Glendale, Calif. System for power line protection. 1,965,896; July 10.
- Hunt, Marsden H., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,973,076; Sept. 11.
- Hunt, Nathan C., Salem, Ohio. Valve. 1,944,739; Jan. 23.
- Hunt, Ozro H., assignor to The Bristol Company, Waterbury, Conn. Electrically operated automatic control apparatus. 1,973,765; Sept. 18.
- Hunt, Rodney, Machine Company. (See Riggs, H. C., and Paisley, assignors.)
- Hunt, Rodney, Machine Company. (See Simonds, Warren J., assignor.)
- Hunt, Scott F., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,945,191; Jan. 30.
- Hunt, Scott F., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,945,192; Jan. 30.
- Hunt-Spiller Manufacturing Corporation. (See Petters, Arthur H., assignor.)
- Hunt, Sylvester H., assignor to Farmers Manufacturing Company, Norfolk, Va. Making baskets. 1,967,146; July 17.
- Hunt, Walter N., et al. (See Wright, Ivan B., assignor.)
- Hunt, William F. (See Zwicky, J., Hunt, and Tyler.)
- Hunt, William H., National City, Calif. Fish final-positioning means. 1,981,552; Nov. 20.
- Hunt, Wilson P., Moline, Ill., assignor to Hutto Engineering Company, Inc., Detroit, Mich. Lapping machine. 1,984,374; Dec. 18.
- Hunter, Andrew M., Girard, Ohio. Golf bag stanchion. 1,954,413; Apr. 10.
- Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Ornamental sheet metal structure and producing the same. 1,946,694; Feb. 13.
- Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Fireproof record desk. 1,964,578; June 26.
- Hunter, Edward B., Los Angeles, Calif. Glass making machine. 1,952,593; Mar. 27.
- Hunter, Eugene W., Lyndonville, Vt. Corn cleaver. 1,971,222; Aug. 21.
- Hunter, Frank B., Indianapolis, Ind. Recreation pool. 1,979,623; Nov. 6.
- Hunter, Frederick L., jr., Towaco, assignor to De Forest Radio Company, Jersey City, N. J. Audion construction. 1,941,687; Jan. 2.
- Hunter, Frederick L., jr., Towaco, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electron discharge device. 1,967,575; July 24.
- Hunter, Frederick L., jr., Lake Bluff, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Vacuum tube stem. 1,951,612; Mar. 20.
- Hunter, George A., Los Angeles, Calif. High pressure greasing apparatus for motor vehicles and the like. 1,969,404; Aug. 7.
- Hunter, Herbert T. (See Blinn, H. M., and Hunter.)
- Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Coating apparatus. 1,957,961; May 8.
- Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Air compressing system. 1,963,020; June 12.
- Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Pulley. 1,963,913; June 19.
- Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Cooking apparatus. 1,965,241; July 3.
- Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Apparatus for cooling bakery products. 1,979,553; Nov. 6.
- Hunter, Hester W., Geneva, Ill. Cleaning device. 1,946,321; Feb. 6.
- Hunter, Hester W., Geneva, Ill. Cleaning device. 1,969,609; Aug. 7.
- Hunter, Howard M., Dallas, Tex. Lubricating device. 1,972,400; Sept. 4.
- Hunter, Hugh L., Chicago, Ill. Guard. 1,952,071; Mar. 27.
- Hunter, James, Machine Company, The. (See Rundlett, William D., assignor.)
- Hunter, John G., Columbus, Ohio. Combination telephone stand and telephone directory secretary and bookrack. 1,969,305; Aug. 7.
- Hunter, John G., Columbus, Ohio. Illuminating telephone dials and directories. 1,969,306; Aug. 7.
- Hunter, Joseph H., Bloomfield Hills, Mich. Polishing machine. 1,950,555; Mar. 13.
- Hunter, Louis N. (See Novotny, T. A., and Hunter.)
- Hunter, Louis N., assignor to National Radiator Corporation, Johnston, Pa. Sectional cast metal boiler. 1,960,310; May 29.
- Hunter, Marcus C. I. (See Cox, H. E., Hunter and Tuck.)
- Hunter, Mary P., et al. (See Fairley, Taliaferro J., assignor.)
- Hunter, Mary P., et al. (See Fairley, T. J., and Frye, assignors.)
- Hunter, Percy E., Pittsburgh, Pa. Sheet separating method and apparatus. 1,954,480; Apr. 10.
- Hunter, Percy E., and L. E. Endsley, Pittsburgh, Pa.; said Endsley assignor to said Hunter. Annealing box and making same. 1,961,221; June 5.
- Hunter, Percy E., and L. E. Endsley, Pittsburgh, Pa.; said Endsley assignor to said Hunter. Apparatus for sorting sheets. 1,966,504; July 17.
- Hunter, Percy E., and L. E. Endsley, Pittsburgh, Pa.; said Endsley assignor to said Hunter. Apparatus for sorting sheets. 1,978,263; Oct. 23.
- Hunter, Philip V., assignor to Callender's Cable and Construction Company Limited, London, England. Electric cable. 1,972,625; Sept. 4.
- Hunter, Rex A., Pittsburgh, Pa. Hand grenade. 1,961,364; June 5.
- Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control apparatus for electric elevators. 1,944,432; Jan. 23.
- Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,947,263; Feb. 13.
- Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric controller. 1,974,613; Sept. 25.
- Hunter, Richard B., Shorewood, and C. F. Robbins, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric current controlling device. 1,964,467; June 26.
- Hunter, Robert E., Youngstown, Ohio. Method and apparatus for lifting rails. 1,941,803; Jan. 2.
- Hunter, Samuel R., Sterling, Ill. Hydraulic fuel injection apparatus. 1,953,610; Apr. 3.
- Hunter, Theodore A., Yonkers, N. Y. Exercising device. 1,953,857; Apr. 3.
- Hunter, Theodore A., Yonkers, N. Y. Exercising apparatus. 1,980,861; Nov. 13.
- Hunter, Theodore A., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Excitation of loud speaker motors. 1,950,798; Mar. 13.
- Hunter, Thomas H., Hollywood, Calif. Motion picture film and projecting the same. 1,966,503; July 17.
- Hunter, Thomas M., East Orange, N. J. Rotary welding transformer. 1,979,881; Nov. 6.
- Hunter, Thomas M., East Orange, N. J. Rotary welding transformer. 1,979,882; Nov. 6.
- Hunter, W. J., et al. (See Fairley, Taliaferro J., assignor.)
- Hunter, W. J., et al. (See Fairley, T. J., and Frye, assignors.)
- Hunter, William J., sr., New York, N. Y. Rear vision mirror for motor cars. 1,962,597; June 12.
- Hunter, William L., and H. H. Weining, assignors to Northern Equipment Company, Erie, Pa. Valve. 1,942,426; Jan. 9.
- Hunter, William L., and K. B. Whitley, assignors to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,942,427; Jan. 9.
- Huntington, Edward E., assignor to The Willys-Overland Co., Toledo, Ohio. Motor vehicle electric system. 1,948,443; Feb. 20.
- Huntington, Edwin C., executor. (See Huntington, Frederick B.)
- Huntington, Frederick B., deceased, Mapleton, Oreg. E. C. Huntington, executor. Machine for marking shingles. 1,979,744; Nov. 6.
- Huntington, George W., Glencoe, Minn. Cutting and stripping machine for pavement joints and the like. 1,979,554; Nov. 6.
- Huntley, Burton L., Minneapolis, Minn. Humidifier. 1,981,916; Nov. 27.
- Huntley, George J. (See Lloyd, F. L., and Huntley.)
- Huntley, George J., Baltimore, and H. A. Rau, Catonsville, assignors to Crown Cork & Seal Company, Baltimore, Md. Capping head. 1,956,218; Apr. 24.
- Huntley, George J., and R. J. Stewart, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Method of and apparatus for carbonating water. 1,972,994; Sept. 11.
- Huntman, Charles B., New York, N. Y., assignor to Huntman Stabilizer Corporation. Stabilizing shock-absorbing apparatus for motor vehicles. 1,971,957; Aug. 28.
- Huntman, Charles B., Plainfield, N. J., assignor to Huntman Stabilizer Corporation. Stabilizing automobiles while in motion. 1,971,958; Aug. 28.
- Huntman, Charles B., Plainfield, N. J., assignor to Huntman Stabilizer Corporation. Equalizing and shock-absorbing means for vehicles. 1,971,959; Aug. 28.
- Huntman, Charles B., Plainfield, N. J., assignor to Huntman Stabilizer Corporation. Combined cross-bar equalizing and shock absorbing means for vehicles. 1,971,960; Aug. 28.
- Huntman, Charles B., Plainfield, N. J., assignor to Huntman Stabilizer Corporation. Simplified stabilizer and shock-absorber for automobiles. 1,971,961; Aug. 28.
- Huntman Stabilizer Corporation. (See Huntman, Charles B., assignor.)

- Huntsberger, John D., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery assembly. 1,957,342; May 1.
- Hunt-Spiller Manufacturing Corporation. (See Ellet, Victor W., assignor.)
- Hunyady, Stephen, Bethlen, Hungary. Obtaining aluminum oxide or the like. 1,944,327; Jan. 23.
- Hunz, Alphonse W., East Chicago, Ind. Vehicle body tilting mechanism. 1,968,148; July 31.
- Huot, Léon. (See See, J., and Huot.)
- Huott, Edmond J., New York, N. Y. Penholder for ink-stands. 1,975,512; Oct. 2.
- Hupp Motor Car Corporation. (See MacPherson, Earle S., assignor.)
- Hupp Motor Car Corporation. (See Punke, John J., assignor.)
- Huppert, Paul. (See Grimm, H. G., and Huppert.)
- Hurd, David E. (See Ratley, Clarence M., assignor.)
- Hurd, Edwin P., Detroit, Mich. Making locks. 1,953,535; Apr. 3.
- Hurd, Edwin P., Detroit, Mich. Lock. 1,961,106; May 29.
- Hurd, Zenus L. (See Martin, Edwin D., assignor.)
- Hurlbut, Douglas H. (See Lamb, H. W., Nixon, and Hurlbut.)
- Hurlbut, Francis A. (See Moorshead, T. C., and Hurlbut.)
- Hurley, Albert B., assignor to National Paper Process Company, New York, N. Y. Paper of increased opacity. 1,969,707; Aug. 7.
- Hurley, Charles P., Caldwell, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Receptacle. 1,955,745; Apr. 24.
- Hurley, Charles P., Caldwell, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Container. 1,973,317; Sept. 11.
- Hurley, John F., Whittier, Calif. Pouring spout and strainer. 1,959,584; May 22.
- Hürlimann, Max. (See Widmer, S., Keller, and Hürlimann.)
- Huron Portland Cement Company. (See Jacobson, Elmer C., assignor.)
- Hurricane Motor Company. (See Parsons, Ben G., assignor.)
- Hurst, George L., San Francisco, Calif. Pneumatic caser. 1,976,128; Oct. 9.
- Hurst, Ira N. (See Hansen, Julius W. and L. W., and Hurst.)
- Hurst, Max, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filter for liquids. 1,953,759; Apr. 3.
- Hurst, Max, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Fuel injection nozzle for internal combustion engines. 1,970,801; Aug. 21.
- Hurst, Max, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Governor for internal combustion engines. 1,974,851; Sept. 25.
- Hurt, Frank B., La Grande, Ore. Road builder's equipment. 1,946,461; Feb. 6.
- Hurt, Frank B., La Grande, Ore. Aggregate spreader. 1,966,122; July 10.
- Hurt, Robert B., assignor, by mesne assignments, to Hardwick Stove Company, Cleveland, Tenn. Range. 1,954,384; Apr. 10.
- Hurt, Roy J., Clarendon Hills, Ill. Process of separating rubber from metal in a composite article. 1,978,204; Oct. 23.
- Hurt, Samuel N. (See Myers, D. D., and Hurt.)
- Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Device casing. 1,954,207; Apr. 10.
- Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale stirrup. 1,984,582; Dec. 18.
- Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Roller conveyer. 1,958,341; May 8.
- Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Conveyer. 1,964,637; June 26.
- Hurxthal, Alpheus O., and G. M. Bidding, assignors to Proctor & Schwartz Electric Company, Philadelphia, Pa. Toaster. 1,957,343; May 1.
- Hurxthal, Alpheus O. and F. E., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Warp drier. 1,984,270; Dec. 11.
- Hurxthal, Frederick E. (See Hurxthal, Alpheus O. and F. E.)
- Huscher, Nyrone E. (See Nutting, H. S., Petrie, Croope, and Huscher.)
- Huse, Charles A., Trenton, N. J., assignor of one-half to H. H. Weaver, New Hope, Pa. Electric gun or projectile propelling apparatus. 1,985,254; Dec. 25.
- Huse, Hiram N., Providence, R. I. Ball winding machine. 1,959,760; May 22.
- Huse, Leon C., Laconia, N. H. Meat-tendering machine. 1,973,284; Sept. 11.
- Hush, Foss C., Lincoln, Nebr. Clothes-line reel. 1,985,727; Dec. 25.
- Husler, John. (See Sherman, F. S., and Husler.)
- Hussel, Erwin H., Springfield, Ohio. Fiber sheet and its manufacture. 1,952,208; Mar. 27.
- Hussey, James B., Port Orchard, Wash. Bolt cutter. 1,960,666; May 29.
- Hussmann-Ligonier Company. (See Banta, Len A., assignor.)
- Hussmann-Ligonier Company. (See Kavanaugh, Thomas J., assignor.)
- Hussmann-Ligonier Company. (See Rubin, Adolph, assignor.)
- Hussmann-Ligonier Company. (See Rutishauser, Donald E., assignor.)
- Husted, Harry F., assignor to H. H. Newton, Galeton, Pa. Seesaw. 1,978,264; Oct. 23.
- Husted, Harry F., assignor to H. H. Newton, Galeton, Pa. Exerciser. 1,982,872; Dec. 4.
- Huster, Alfred, Kronshagen, near Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft Kiel-Garden, Prussia, Germany. Producing high-pressure steam. 1,942,861; Jan. 9.
- Hustler Corporation. (See Ferris, William D., assignor.)
- Huston, Ralph C., East Lansing, Mich., and H. D. Lightbody, Pittsburgh, Pa., assignors to The State Board of Agriculture of the State of Michigan. Stable vitamin preparation. 1,947,432; Feb. 13.
- Huston, Sanford K., jr., Chicago, Ill. Glazing construction. 1,976,993; Oct. 16.
- Huston, William M., assignor to The Ohio Power Shovel Company, Lima, Ohio. Detachable extension for tractor trucks. 1,963,408; June 19.
- Huston, William M., assignor to The Ohio Power Shovel Company, Lima, Ohio. Power shovel. 1,966,759; July 17.
- Hutcheon, William, Vancouver, British Columbia, Canada. Plasterer's joint rule. 1,972,227; Sept. 4.
- Hutchings, Edward W., Perry, Fla. Fabricating board. 1,947,395; Feb. 13.
- Hutchings, Edward W., Perry, Fla. Band resaw. 1,959,475; May 22.
- Hutchings, Edward W., Perry, Fla. Shingle. 1,976,171; Oct. 9.
- Hutchings, Edward W., Perry, Fla. Band saw. 1,976,172; Oct. 9.
- Hutchings, Edward W., Perry, Fla. Barrel stave. 1,976,173; Oct. 9.
- Hutchings, Le Roi E., assignor to Remington Rand Inc., Buffalo, N. Y. Filing device. 1,978,381; Oct. 23.
- Hutchings, Walter B., Huron, S. Dak., assignor to The Prosperity Company Inc., Syracuse, N. Y. Fluid measuring and dispensing means for washing machines. 1,958,541; May 15.
- Hutchins, Elmer N. (See Smith, Martin W., assignor.)
- Hutchinson, Alexander W. (See Arsenault, L. M., and Hutchinson.)
- Hutchinson, Charles W., Huntington, W. Va. Remotely controlled deluge valve. 1,976,022; Oct. 9.
- Hutchinson, Frank L., Chicago, Ill. Temperature control valve. 1,956,831; May 1.
- Hutchinson, John E. (See Gummert, J. S., and Hutchinson.)
- Hutchinson, Joseph M., assignor to E. J. Brach & Sons, Chicago, Ill. Transferring and stacking mechanism. 1,950,943; Mar. 13.
- Hutchinson, Joseph M., Chicago, Ill., assignor to V. O. Hermann, New York, N. Y. Machine for making stick candy. 1,958,144; May 8.
- Hutchison, Frank C., Kansas City, Mo., assignor to The Linde Air Products Company. Solid ring pipe liner. 1,980,530; Nov. 13.
- Hutchinson, Irving K., and R. A. Wolff, assignors to Continental Scale Works, Chicago, Ill. Weighing scale. 1,984,412; Dec. 18.
- Hutchison, Miller R., jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Compressor. 1,942,428; Jan. 9.
- Hutchison, Miller R., jr., Newark, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Rotary pump, compressor, or the like. 1,972,302; Sept. 4.
- Hutchison, Miller R., jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Rotary pump, compressor, or the like. 1,983,033; Dec. 4.
- Hutchison, Miller R., jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Rotary pump, compressor, engine and the like. 1,983,034; Dec. 4.
- Hutchison, William M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,948,760; Feb. 27.
- Huth, Walter H., assignor to Story & Clark Radio Corp., Chicago, Ill. Combined radio antenna, ground, and current supply cable. 1,961,859; June 5.
- Huthsing, Charles K., Clayton, Mo. Portable hand fire extinguisher. Des. 93,826; Nov. 13.
- Huthsing, Charles K., Clayton, Mo. Portable hand fire extinguisher. Des. 93,827; Nov. 13.
- Huthsing, Charles K., Clayton, Mo. Wrench. 1,980,862; Nov. 13.
- Huthsing, John R., St. Louis, Mo. Shade-pull. Des. 92,601; June 26.
- Hutnikow, Theodore, Brooklyn, N. Y. Bendable clip or fastener. 1,957,023; May 1.
- Hutson, Arthur E. (See Hodgson, J. L., and Hutson.)
- Hutt, Albert E., Pelham, N. Y. Combination day and sleeping railroad coach. 1,945,691; Feb. 6.
- Hutt, Albert E., Pelham, N. Y. Pressure device for dispensing fluids, grease, and the like. 1,953,273; May 8.
- Hutt, Albert E., Pelham, N. Y. Combination day and sleeping railroad coach. 1,977,881; Oct. 23.
- Hutt, Albert E., Pelham, N. Y. Combination day and sleeping passenger carrying vehicle. 1,985,607; Dec. 25.
- Hutt, George A. (See Hutt, Robert J. and G. A.)

- Hutt, James W., Toronto, Ontario, Canada. Safety price tag. 1,950,053; Mar. 6.
- Hutt, Leonard P., Schenectady, N. Y., assignor to General Electric Company. Circuit controlling device. 1,944,084; Jan. 16.
- Hutt, Leonard P., Schenectady, N. Y., assignor to General Electric Company. Combined automatic and manual circuit-control device. 1,944,740; Jan. 23.
- Hutt, Leonard P., Schenectady, N. Y., assignor to General Electric Company. Combined automatic and manual circuit controller. 1,974,991; Sept. 25.
- Hutt, Robert J. and G. A., Brooklyn, N. Y. Doily. Des. 94,031; Dec. 11.
- Hutt, Robert J. and G. A., Brooklyn, N. Y. Device for stacking sheet material. 1,960,667; May 29.
- Hutt, Robert J. and G. A., Brooklyn, N. Y. Making laminary containers. 1,969,009; Aug. 7.
- Huttenlocher, Rae, Des Moines, Iowa. Flower holder for vases and the like. 1,954,243; Apr. 10.
- Huttenlocher, Paul J. (See Buholzer, Joseph, assignor.)
- Huttenlocher, Richard, Oberlahnstein-on-the-Rhine, assignor to firm Farb- & Gerbstoffwerke Carl Flesch, jr., Frankfurt-on-the-Main, Germany. Manufacture of sulphonated oils and fats. 1,943,319; Jan. 16.
- Huttenmiller, Philip, Cincinnati, Ohio. Air conditioning unit. 1,983,294; Dec. 4.
- Hutter, Francis, assignor to The McCall Company, New York, N. Y. Garment pattern. 1,982,005; Nov. 27.
- Hutter, William H., assignor to The Capehart Corporation, Fort Wayne, Ind. Phonograph pick-up mechanism. 1,968,149; July 31.
- Huttleston, Clifford, Waukegan, assignor of one-third to C. Antoniono and one-third to G. T. Hellmuth, Wilmette, Ill. Trolley wire lubricating device. 1,960,441; May 29.
- Hutto Engineering Company, Inc. (See Hutto, Marsden C., assignor.)
- Hutto Engineering Company, Inc. (See Hunt, Wilson P., assignor.)
- Hutto Engineering Company, Inc. (See Wagner, Paul E., assignor.)
- Hutto, Marsden C., Detroit, Mich., assignor to Hutto Engineering Company, Inc. Cylinder grinder. 1,950,407; Mar. 13.
- Hutto, Marsden C., Detroit, Mich., assignor to Hutto Engineering Corporation, Inc. Cylinder grinder. 1,972,890; Sept. 11.
- Hutto, Marsden C., assignor to Hutto Engineering Company Inc., Detroit, Mich. Grinder for cylindrical surfaces. 1,978,428; Oct. 30.
- Hutton, Donald. (See Downing, F. B., Carter, and Hutton.)
- Hutton, Frank E., Pittsburgh, Pa., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,942,169; Jan. 2.
- Hutton, Gerald H., London, England. Bucket-elevator. 1,962,075; June 5.
- Hutton, Henry A., Johannesburg, Transvaal, Union of South Africa. Circular rotating grizzly. 1,972,385; Sept. 4.
- Hutton, Ira F. B. (See Lawrence, W. S., Tuma, and Hutton.)
- Hutton, W. A., & Company. (See Hutton, Willis A., assignor.)
- Hutton, Willis A., Tacoma, assignor to W. A. Hutton & Company, Seattle, Wash. Powdered soap and process and apparatus for making same. 1,971,566; Aug. 28.
- Hutzel, Hugo F., assignor to The Chasco Companies, Incorporated, Waterbury, Conn. Humidifier and the like. 1,976,228; Oct. 9.
- Hutzenlaub, Eugen. (See Müller, K., and Hutzenlaub.)
- Hutzenlaub, Eugen, assignor to Firma Paul Lechler, Stuttgart, Germany. Preparing bituminous emulsions. 1,957,408; May 1.
- Huxter, Walker L. C., Richmond, Va. Ventilator. 1,944,321; Jan. 23.
- Hvid, Rasmus M., Chicago, Ill., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,982,668; Dec. 4.
- Hyams, Herbert B., St. Paul, Minn. Display device. 1,941,838; Jan. 2.
- Hyams, Herbert B., St. Paul, Minn. Merchandise display device. 1,979,833; Nov. 6.
- Hyatt, Frank S., assignor to Brass Goods M'fg Co., Brooklyn, N. Y. Tube compressor. 1,968,454; July 31.
- Hyatt, Lawrence H., Brooklyn, N. Y. Liquid dispenser. 1,957,962; May 8.
- Hyatt, Louis C., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Car-heating and ventilating system. 1,947,716; Feb. 20.
- Hyatt, Ralph E. (See Corn, J. I., and Hyatt.)
- Hyatt, Samuel W., Columbus, Ohio. Airplane landing light. 1,943,609; Jan. 16.
- Hyatt, Walter E. (See Marriott, F., and Hyatt.)
- Hyde, Arthur L., Haddonfield, N. J. Toilet compact or similar article. Des. 92,656; July 3.
- Hyde, Arthur M., Secretary of Agriculture of the United States of America. (See Cheatham, Robert J., assignor.)
- Hyde, Elmer H. (See Rhodes, E. O., and Hyde.)
- Hyde, Elmer H., Pittsburgh, Pa., assignor to American Tar Products Company, Inc. Article of manufacture and preparing the same. 1,965,703; July 10.
- Hyde, Elmer H., and F. D. Hager, Pittsburgh, Pa., assignors to American Tar Products Company, Inc. Composition of matter. 1,946,462; Feb. 6.
- Hyde, George G., New Rochelle, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Sewage grit treatment. 1,957,168; May 1.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Electrically conducting coating on vitreous substances and producing it. 1,964,322; June 26.
- Hyde, Ralph E., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Chaser carrier. 1,947,599; Feb. 20.
- Hyde, William A., assignor to L. J. Barrett, Worcester, Mass. Impregnation of articles by centrifugal means. 1,981,453; Nov. 20.
- Hyde, William C., San Diego, assignor to Consolidated Advertising Corp., Ltd., Los Angeles, Calif. Animated slide advertising film. 1,957,782; May 8.
- Hyden, William L. (See Charch, W. H., Hyden, and Finzel.)
- Hyden, William L. (See Charch, W. H., Hyden, and Siemann.)
- Hydooraulic, Incorporated. (See Harris, Earl A., assignor.)
- Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
- Hydraulic Brake Company. (See Bowen, Myron W., assignor.)
- Hydraulic Brake Company. (See Heidloff, Joseph R., assignor.)
- Hydraulic Brake Company. (See Loughhead, Malcolm, assignor.)
- Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
- Hydraulic Brake Company. (See McCollum, Andrew O., assignor.)
- Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
- Hydraulic Brake Company. (See Oliver, W. F., and Heidloff, assignors.)
- Hydraulic Brake Company. (See Tseng, Andrew T. K., assignor.)
- Hydraulic Deep Well Company. (See Squires, Wilbur N., assignor.)
- Hydraulic, Gesellschaft mit beschränkter Haftung. (See Schlenstedt, Oswig, assignor.)
- Hydraulic Press Manufacturing Company, The. (See Benedek, Elek, assignor.)
- Hydraulic Press Manufacturing Company, The. (See Benedek, E. K., and MacMillin, assignors.)
- Hydraulic Press Manufacturing Company. (See Ernst, Walter, assignor.)
- Hydril Company. (See Dale, C. R., and Nielson, assignors.)
- Hydril Company. (See Stone, Frederick, assignor.)
- Hydril Company. (See Stone, F., and Engstrom, assignors.)
- Hydrocarbon Processes Inc. (See Lelgemann, William, assignor.)
- Hydro-Heater Corporation, The. (See White, John C., assignor.)
- Hydrol Chemical Company. (See Haabestad, Erling H., assignor.)
- Hydrometer A. G. (See Rezsny, Koloman, assignor.)
- Hydro Nitro S. A. (See Hobler, Tadeusz, assignor.)
- Hydro-Pneumatic Bath Appliance Company. (See Martin, John S., assignor.)
- Hydrotator Company. (See Remick, Walter L., assignor.)
- Hygrade Sylvania Corporation. (See Biggs, O. H., and Cobb, assignors.)
- Hygrade Sylvania Corporation. (See Burgess, Lauren M., assignor.)
- Hygrade Sylvania Corporation. (See Callahan, Henry F., assignor.)
- Hygrade Sylvania Corporation. (See Goodwin, Vernon D., assignor.)
- Hygrade Sylvania Corporation. (See Haberle, S. D., and Davis, assignors.)
- Hygrade Sylvania Corporation. (See Marsden, C. P., and Wheeler, assignors.)
- Hygrade Sylvania Corporation. (See O'Neill, George D., assignor.)
- Hygrade Sylvania Corporation. (See Poor, Walter E., assignor.)
- Hygrade Sylvania Corporation. (See Rogan, John J.)
- Hyland, Charles, Wakefield, England. Fluid control apparatus. 1,952,806; Mar. 27.
- Hyland, Frank J. (See Lester, Raymond, assignor.)
- Hyland, G. H. (See Proctor, George A., assignor.)
- Hyland, Lawrence A. (See Taylor, A. H., Young, and Hyland.)
- Hyland, Lawrence A., Washington, D. C. Clutch and bearing for aviation generators. 1,943,321; Jan. 16.
- Hyland, Lawrence A., Washington, D. C. Shielded spark plug. 1,950,408; Mar. 13.
- Hyland, Lawrence A., Washington, D. C. Coil mounting for high frequency systems. 1,951,361; Mar. 20.
- Hyland, Lawrence A., Washington, D. C. Piezo-electric crystal apparatus. 1,959,827; May 22.
- Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. High frequency stabilizer. 1,942,602; Jan. 9.
- Hyland, Lawrence A., Washington, D. C., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Voltage regulator. 1,943,320; Jan. 16.

- Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Constant temperature control for mechanically vibratile elements. 1,950,246; Mar. 6.
- Hyland, Lawrence A., Washington, D. C., assignor to Eclipse Aviation Corporation, East Orange, N. J. Suppressing electrical disturbances. 1,953,961; Apr. 10.
- Hyland, Lawrence A., Washington, D. C., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey. Signaling system. 1,971,347; Aug. 28.
- Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Electrical control system. 1,975,898; Oct. 9.
- Hylander, John C., assignor to one-half to G. B. Park, Springfield, Mass. Traffic position-indicating model. 1,973,900; Sept. 18.
- Hyle, Howard R., Catonsville, Md. Oil and air mixing device. 1,962,956; June 12.
- Hyma, Abe, assignor of one-fourth to G. Yonkman, one-fourth to C. F. Fordham, and one-fourth to H. F. Johnson, Grand Rapids, Mich. Carburetor device. 1,947,129; Feb. 13.
- Hyman, Benjamin M. (See Johnston, E. A., Lindgren, Rane, and Hyman.)
- Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Gathering device for corn pickers. 1,964,579; June 26.
- Hyman, Henry. (See Britsch, Otto C., assignor.)
- Hyman, Henry. (See Muldoon, Bernard F., assignor.)
- Hyman, Henry. (See Zwierzyński, Alex., assignor.)
- Hyman, Julius, assignor to Velvical Corporation, Chicago, Ill. Emulsifiable oxidized hydrocarbon and preparation of same. 1,965,191; July 3.
- Hynes, Lee P., Philadelphia, Pa. Electric heater. 1,979,883; Nov. 6.
- Hynes, Lee P., Philadelphia, Pa. Electric heater. 1,985,831; Dec. 25.
- Hynes, Lee P., Albany, N. Y. Apparatus for treating fluid mediums. 1,985,830; Dec. 25.
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Car heating system. 1,953,679; Apr. 3.
- Hyra, Emil, Langenwang, near Murzuschlag, assignor of one-half to H. Neumann, Vienna, Austria. Gramophone needle holder. 1,972,656; Sept. 4.
- Hyser, Paul H., Brooklyn, N. Y. Electrical conductor. 1,961,932; June 5.
- I. G. Farbenindustrie Aktiengesellschaft. (See Ackermann, Karl, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Andrusow, L., and Huberich, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Auerhahn, Albert, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Barfuss, Rudolf, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Bauer, R., and Mauthe, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Baumann, P., Stadler, Schilling, and Bückert, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Baumann, P., and Tanneberger, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Baumann, P., Tanneberger, and Schilling, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Baur, Karl, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Bayerl, Alfons, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Bazlen, M., Rieger, and Scholtz, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Beck, C., Weissbach and Diekmann, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Berndt, W., and Ernst, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Binapf, Josef, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Börner, K., Rossner, Mahn, and Irion, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J., and Johannsen, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J., and Wurster, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Brodersen, K., and Wagner, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Bueckert, H., Stadler, and Tenneberger, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Ciesien, J., and Peukert, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Correns, E., and Mohring, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dachlauer, K., Thomsen, and Voss, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Daimler, K., and Kurzenberger, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Diels, O., and Alder, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dierichs, A., and Weiss, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dohse, H., and Schuster, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dorrer, E., and Hopff, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Drucker, J., Lueg, and Weise, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Duftschmid, Franz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dunkel, M., Dorrer, and Breuers, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dunkel, M., Breuers, and Wolff, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Ebert, G., Fries, and Garbsch, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Eberhardt, Ernst, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Ehrhardt, Udo, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Engel, H., and Jannek, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, O., and Berndt, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, O., and Mack, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Eyer, C., Baetz, and Herterich, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Eyer, C., and Korn, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Fausten, Alfons, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Feiler, P., and Haeuber, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Feiler, P., Weigmann, and Hirschberg, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Fikentscher, H., Wappes, Efflaender, Schoeller, and Schneevogt, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Fleming, W., and v. d. Horst, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Franzen, H., Beller, and Luther, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Frick, Friedrich, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Friedolsheim, A., and Luther, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Gajewski, F., Fink, Rossner, and Mahn, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, Robert, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., and Neundlinger, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Grimm, H. G., and Huppert, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Grotowsky, H., and Mühl, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Guenther, F., and Saffien, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Haeuber, Hans, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, Max, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Gühring, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., Gühring, and Reichert, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Möller, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hagenest, H., and Stauf, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Haltmeier, Alfred, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Heisel, Paul, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Herold, P., and Baumann, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hilger, Josef, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, Heinrich, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, H., and Kuehn, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hubert, E., and Weisbrod, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Huhn, Walter, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Huisman, J., and Schweitzer, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Jaeger, M., and Espig, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Jahrstorfer, M., and Hummel, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kämpf, Adolf, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kämpf, A., Fink, and Matthes, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Klamroth, A., and Ahrens, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Klein, H., and Luther, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kneip, Alex., assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kollek, L., and Engels, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Konrad, E., and Tschunkur, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kraenzlein, G., and Voss, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C., and Mueller-Cunradi, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kranzlein, G., Müller, and Berlin, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kränzlein, G., and Voss, assignors.)

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1. G. Farbenindustrie Aktiengesellschaft. (See Kröner, G., and Dilthey, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Kuhrmann, F., and Siebert, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Lampe, Albert, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Luther, Martin, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Beller, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Klein, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., Pungs, Griessbach, and Heuck, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Mark, H., and Fikentscher, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Meidert, Friedrich, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Meis, Hel-much, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Meiser, V., and v. Knilling, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Michel, Richard, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., and Chall, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Mostny, Hans, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, Martin, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Mueller-Cunradi, M., and Haag, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. See Mueller-Cunradi, M., Pieroh, and Giehne, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Muench, E., and Ufer, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. See Münch, E., and Nicolai, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Nessler, Friedrich, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Nitzschke, Oswin, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Nuesslein, J., and Ulrich, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Orthner, L., Bögemann, and Weigel, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Osswald, P., and Scherer, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Overdick, Fritz, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Ott, K., Hentrich, and Keppler, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pier, Mathias, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Christmann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Donath, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Eisenhut, August and O., assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Simon, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Wissel, and Dinkler, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pohl, F., and Isenbeck, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pokorny, Ernst, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pokorny, E., and Schneider, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pokorny, E., and Seliger, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See v. Pon-gratz, Emmerich, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Elsenmann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Freytag, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pungs, Wil-helm, and Jahrtorfer, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., Eisenmann, Scholz, and Kollmann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Remelé, Adolf, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Reppe, Walter, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Reubke, Emil, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Rockstroh, J., Raspe, and Kircher, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Rosenthal, L., and Leughs, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Roth, P. B., Elvert, and Steinberger, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Sabel, F., and Hanisch, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schell-mann, Max, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schepss, W., and Hardtmann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schlade-bach, H., and Hahle, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., Schubardt, and Duftschmid, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., and Naumann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, A., Balle, and Eisfeld, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., and Meyer, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schoel-ler, Conrad, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schoeller, C., and Wittwer, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schonburg, Curt, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schreiber, Gustav, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schultze, Guido, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schulze, Rudolf, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schulzs, R., and Brause, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Schumann, C., and Ufer, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Soll, Julius, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Sponsel, K., and Krauss, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Stadler, R., and Eisenhut, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Staib, Karl, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Stelger-wald, Christian, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Stötter, H., and Hermann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Stuhl-mann, H. C., and Weitermann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Suida, Her-mann, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Teupel, Ernest, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Traut, Adolf, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Tschunkur, E., and Klein, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Koerding, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Saurwein, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wallis, T., Falek, and Virck, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wappes, H., and Klingenberg, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Weiler, Max, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Weiler, M., Wenk, and Stötter, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wenzel, Wilhelm, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, G., Haller, and Hennicke, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, G., and Schiller.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, R., and Engel, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Winkler, F., and Haeuber.)
1. G. Farbenindustrie Aktiengesellschaft. (See Winkler, F., Hochheim and Bergmann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Winter, C., and Roh, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wittwer, Max, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wohl, Al-fred, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Wulff, Otto, assignor.)
1. G. Farbenindustrie Aktiengesellschaft. (See Zaucker, E., Orthner, and Bogemann, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Ziese, W., and Pfaff, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Zobel, F., and Reich, assignors.)
1. G. Farbenindustrie Aktiengesellschaft. (See Zorn, H., Mueller-Cunradi, and Rosinsky, assignors.)
1. G. S. Devices Corporation. (See Barton, Clarence H., assignor.)
1. M. K. Syndicate Limited. (See von Mihály, Dénes.)
- ISO Gesellschaft m. b. H. (See Thomae, Carlos, assignor.)
- I-T-E Circuit Breaker Company. (See Caswell, Arthur S., assignor.)
- I-T-E Circuit Breaker Company. (See Graves, Herbert C., jr., assignor.)
- I-T-E Circuit Breaker Company. (See Graves, H. C., jr., and Krips, assignors.)
- I-T-E Circuit Breaker Company. (See Graves, H. C., jr., and Scott, assignors.)
- I-T-E Circuit Breaker Company. (See Healys, G. A., and Graves, assignors.)
- I-T-E Circuit Breaker Company. (See Scott, William M., assignor.)
- I. T. S. Company, The. (See Ingwer, Carl H., assignor.)
- Ialung, Angelo, et al. (See Pallotta, Sandy, assignor.)

- Iams, Harley, San Diego, Calif., assignor to Westinghouse Electric & Manufacturing Company. View transmission system. 1,955,332; Apr. 17.
- Iannelli, Alfonso, Park Ridge, assignor to The Republic Flow Meters Company, Chicago, Ill. Instrument panel. Des. 92,909; July 31.
- Iantosca, Nick A., San Francisco, Calif. Automobile radiator guard. Des. 92,602; June 26.
- Ianuzzo, Charles. (See Brody, Samuel, assignor.)
- Ibach, Emil. (See Budd, E. G., and Ibach.)
- Ice, James N., Wheeling, assignor to S. O. Paull, Wellsburg, W. Va. Convertible wheel structure for vehicles. 1,957,460; May 8.
- Ice-Cream Freezer Corporation. (See Corn, J. I., and Hyatt, assignors.)
- Ichter, John H., Ashley, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel distributing system. 1,946,443; Feb. 6.
- Ickes, Elwood T. (See Fowle, W. H., and Ickes.)
- Iddings, Carl, Kew Gardens, N. Y. Spraying device. 1,941,898; Jan. 2.
- Iddings, Roscoe C., J. E. Bowman, and J. W. Wright, assignors to The Fry-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,972,738; Sept. 4.
- Iddings, Roscoe C., and C. R. D'Olive, assignors to The Fry-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,976,074; Oct. 9.
- Ide, Harry H., La Grange, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Substation telephone set. 1,976,729; Oct. 16.
- Ide, Sherwood C., Indianapolis, Ind., assignor to I. M. Jones, Milwaukee, Wis. Vending machine. 1,978,205; Oct. 23.
- Ideal Aeroplane and Supply Company. (See Kramer, William, assignor.)
- Ideal Electric & Manufacturing Co. (See Adams, Frank, assignor.)
- Ideal Hose Coupling Co. (See Hanson, Christian A., assignor.)
- Ideal Machine Company. (See Groset, J. P., and Halset, assignors.)
- Ideal Novelty & Toy Co. (See Dunner, Julius, assignor.)
- Ideal Novelty & Toy Company. (See Katz, Abraham M., assignor.)
- Ideal Power Lawn Mower Company. (See Seeley, Fayette M., assignor.)
- Ideal Seating Company. (See Gedris, William A., assignor.)
- Ielfeld, Fred C., Silver Creek, N. Y. Cereal cutter. 1,973,169; Sept. 11.
- Ignace, Lionel, Paris, France, assignor to Societe Provia, Zug, near Zurich, Switzerland. Preparing and applying emulsified materials. 1,961,971; June 5.
- Igou, Dennis T., et al. (See Stover, Frank E., assignor.)
- Ihlefeldt, Johannes, assignor to the firm G. Polysius, Aktiengesellschaft, Dessau, Germany. Apparatus for conveying powdered material. 1,971,853; Aug. 28.
- Ihlenfeldt, August W., Wausau, Wis. Staple anchor. 1,973,411; Sept. 11.
- Ihling, Paul J., Kalamazoo, Mich. Combined envelope and letter sheet. 1,958,755; May 15.
- Ihrig, Harry K., Columbus, Ohio. Rendering concrete gas-tight. 1,965,646; July 10.
- Ihrig, Harry K., and A. S. Butterworth, Columbus, Ohio. Detergent. 1,975,946; Oct. 9.
- Ihwe, Egon. (See Seuffert, O., and Ihwe.)
- Iio, Tatsujiro, Kamimesuro, Meguro Ku, Tokyo, assignor to Toa Denki Kabushiki Kaisha, Tokyo, Japan. Brush actuating device for a repulsion starting electric motor. 1,974,157; Sept. 18.
- Ilberg, Heinz, Berlin-Charlottenburg, Germany. Induction electric furnace. 1,977,388; Oct. 16.
- Ilberg, Waldemar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Spark gap. 1,946,695; Feb. 13.
- Ilberg, Waldemar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Alternating current relay. 1,949,254; Feb. 27.
- Ilberg, Waldemar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray scanning device. 1,976,400; Oct. 9.
- Ilbery, Elsie. (See Pierce, John E., assignor.)
- Iles, Albert S., Hoylake, England. Golf club. 1,960,110; May 22.
- Iles, Gordon B., Broadstairs, England. Automatic musical instrument. 1,966,798; July 17.
- Iles, Gordon B., Broadstairs, Kent, England. Automatic musical instrument. 1,975,395; Oct. 2.
- Ilford Limited. (See Smith, John W. W., assignor.)
- Ilg Electric Ventilating Company. (See Frank, John M., assignor.)
- Ilg Electric Ventilating Company. (See Ilg, Robert A., assignor.)
- Ilg, Robert A., San Francisco, Calif., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Air conditioning and filtering device. 1,976,401; Oct. 9.
- Iliff, John W., Ridley Park, and H. R. Young, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous coating composition. 1,942,757; Jan. 9.
- Iliff, John W., Ridley Park, and P. Robinson, Lansdowne, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin. 1,972,521; Sept. 4.
- Illingworth, George, East Cleveland, Ohio, assignor to General Electric Company. Apparatus for feeding wires. 1,958,243; May 8.
- Illinois Carton & Label Company. (See Wheeler, Donald P., assignor.)
- Illinois Railway Equipment Company. (See Harbert, Victor H., assignor.)
- Illinois Tool Works. (See Bergstrom, John A., assignor.)
- Illinois Tool Works. (See Hosking, Richard T., assignor.)
- Illinois Tool Works. (See Olson, Carl G., assignor.)
- Illinois Tool Works. (See Richer, Joseph R., assignor.)
- Illinois Tool Works. (See Trotter, George C., assignor.)
- Illinois Watch Case Company. (See Ireland, Ellison S., assignor.)
- Illinois Watch Case Company. (See Wewetzer, Albert, assignor.)
- Illsley, Frank P., Norton Township, Muskegon County, Mich. Shutter operating mechanism. 1,983,543; Dec. 11.
- Imamura, Masujiro, and B. Fujita, Tokyo, Japan, assignor to General Electric Company. Gaseous electric discharge device. 1,984,482; Dec. 18.
- Imaoka, Yoshio, Tokyo, Japan, assignor to General Electric Company. Electric discharge device. 1,976,500; Oct. 9.
- Imaoka, Yoshio, Tokyo, Japan, assignor to General Electric Company. Hot cathode gaseous discharge device. 1,985,096; Dec. 18.
- Imbert, Jean P., Sarre-Union, France. Producer gas engine apparatus. 1,954,208; Apr. 10.
- Immerheiser, Carl, and B. Zschimmer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc. Color lakes and preparing the same. 1,956,921; May 1.
- Imperator Hesteko Aktieselskap. (See Harsem, Oistein, assignor.)
- Imperial Brass Manufacturing Company, The. (See Do-Brick, August C., assignor.)
- Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
- Imperial Brass Manufacturing Company, The. (See Sieg, Emil F., assignor.)
- Imperial Cabinet Company. (See Bromley, Burt H., assignor.)
- Imperial Chemical Industries, Limited. (See Baxter, John P., assignor.)
- Imperial Chemical Industries Limited. (See Booth, W. E., and Savage, assignors.)
- Imperial Chemical Industries Limited. (See Briggs, H. B., and Hardacre, assignors.)
- Imperial Chemical Industries Limited. (See Bunbury, H. M., and Baldwin, assignors.)
- Imperial Chemical Industries Limited. (See Bunbury, H. M., Davies, Naunton, and Robinson, assignors.)
- Imperial Chemical Industries Limited. (See Bunbury, H. M., Naunton, and Palmer, assignors.)
- Imperial Chemical Industries Limited. (See Bunbury, H. M., Sexton, and Stewart, assignors.)
- Imperial Chemical Industries Ltd. (See Burns, R., and Stickland, assignors.)
- Imperial Chemical Industries Limited. (See Burns, R., Stickland, and Whitworth, assignors.)
- Imperial Chemical Industries Limited. (See Carey, W. F., and Brawn, assignors.)
- Imperial Chemical Industries Limited. (See Choate, M. F. S., Coffey, and Henshaw, assignors.)
- Imperial Chemical Industries Limited. (See Clarke, Robert B. F. F., assignor.)
- Imperial Chemical Industries Limited. (See Clarke, R. B. F. F., Robinson, and Shepherdson, assignors.)
- Imperial Chemical Industries Limited. (See Coffey, S., and Everatt, assignors.)
- Imperial Chemical Industries Limited. (See Cooper, James M., assignor.)
- Imperial Chemical Industries Limited. (See Coxon, Thomas, assignor.)
- Imperial Chemical Industries Limited. (See Crawford, Frederick A. F., assignor.)
- Imperial Chemical Industries Limited. (See Crawford, F. A. F., and Challenor, assignors.)
- Imperial Chemical Industries Limited. (See Davies, George P., assignor.)
- Imperial Chemical Industries Limited. (See Dean, Harry P., assignor.)
- Imperial Chemical Industries Limited. (See Dunn, John S., assignor.)
- Imperial Chemical Industries Limited. (See Goldstein, Richard F., assignor.)
- Imperial Chemical Industries Limited. (See Greenbalgh, Richard, assignor.)
- Imperial Chemical Industries Limited. (See Haddock, N. H., Lodge, and Lumsden, assignors.)
- Imperial Chemical Industries Limited. (See Haddock, N. H., and Lumsden, assignors.)
- Imperial Chemical Industries Limited. (See Hailwood, A. J., Naunton, and Shepherdson, assignors.)
- Imperial Chemical Industries Limited. (See Hall, William K., assignor.)
- Imperial Chemical Industries Limited. (See Harrison, C. F. R., and Labrow, assignors.)
- Imperial Chemical Industries Limited. (See Haywood, Frank, assignor.)
- Imperial Chemical Industries Limited. (See Hepworth, H., and Leicester, assignors.)
- Imperial Chemical Industries Limited. (See Hetherington, A. C., and Sim, assignors.)
- Imperial Chemical Industries Limited. (See Hill, Rowland, assignor.)

- Imperial Chemical Industries Limited. (See Holt, John, assignor.)
- Imperial Chemical Industries Limited. (See Hooley, L. J., Thomson, and Fairweather, assignors.)
- Imperial Chemical Industries Limited. (See Horsley, George F., assignor.)
- Imperial Chemical Industries Limited. (See Jackson, H. E., and Brownson, assignors.)
- Imperial Chemical Industries Limited. (See Jones, D. C. R., Anderson, and Thomson.)
- Imperial Chemical Industries Limited. (See Jones, D. C. R., and Thomson, assignors.)
- Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)
- Imperial Chemical Industries Limited. (See Lefebure, Victor, assignor.)
- Imperial Chemical Industries Limited. (See Levesley, A. S., and Randall, assignors.)
- Imperial Chemical Industries Ltd. (See Macarthur, A., and Stewart, assignors.)
- Imperial Chemical Industries Limited. (See Mendoza, Mordecai, assignor.)
- Imperial Chemical Industries Limited. (See Mendoza, M., and Hannon, assignors.)
- Imperial Chemical Industries Limited. (See Mendoza, M., and Murray, assignors.)
- Imperial Chemical Industries Limited. (See Mendoza, M., Murray, and Briggs, assignors.)
- Imperial Chemical Industries Limited. (See Palmer, Keith W., assignor.)
- Imperial Chemical Industries Ltd. (See Riley, Harry L., assignor.)
- Imperial Chemical Industries Limited. (See Saunders, Kenneth H., assignor.)
- Imperial Chemical Industries Limited. (See Savage, J., Holt, and Thomas, assignors.)
- Imperial Chemical Industries Limited. (See Sewell, L. G., and Stowell, assignors.)
- Imperial Chemical Industries Limited. (See Shaw, C., Semple, and Thomson, assignors.)
- Imperial Chemical Industries Limited. (See Shaw, C., and Thomson, assignors.)
- Imperial Chemical Industries, Limited. (See Stocks, H. H., and Linch, assignors.)
- Imperial Chemical Industries Limited. (See Strafford, N., and Walker, assignors.)
- Imperial Chemical Industries Limited. (See Strong, Howard W., assignor.)
- Imperial Chemical Industries Limited. (See Tate, W. R., Stephenson, and Dean, assignors.)
- Imperial Chemical Industries Limited. (See Thomson, R. F., Anderson, and Thornley, assignors.)
- Imperial Chemical Industries Limited. (See Thornley, S., and Twemlow, assignors.)
- Imperial Chemical Industries Limited. (See Todd, W., and Hailwood, assignors.)
- Imperial Chemical Industries, Ltd. (See Traill, D., and Levesley, assignors.)
- Imperial Chemical Industries Ltd. (See Tyrer, Daniel, assignor.)
- Imperial Chemical Industries Limited. (See Viggott, Henry A., assignor.)
- Imperial Chemical Industries Limited. (See Watts, Harold G., assignor.)
- Imperial Chemical Industries Limited. (See Weale, Alfred.)
- Imperial Chemical Industries Limited. (See Wheeler, Thomas S., assignor.)
- Imperial Chemical Industries Ltd. (See Wheeler, T. S., and Binnie, assignors.)
- Imperial Chemical Industries Limited. (See Young, Kenneth W., assignor.)
- Imperial Paper and Color Corporation. (See Van Wirt, Alfred E., assignor.)
- Imperial Tobacco Company of Canada Limited. (See Macdonald, Alexander G., assignor.)
- Imperial Trust for the Encouragement of Scientific and Industrial Research. (See Bengough, G. D., and Whitby, assignors.)
- Imperial Type Metal Company. (See Yerger, W. S., and Somers, assignors.)
- Improved Fire Detector Corporation. (See Brady, George H., assignor.)
- Improved Seamless Wire Company, The. (See Gibbs, Ralph E., assignor.)
- Imrie, James E., and W. W. Hudson. Salt Lake City, Utah. Automatic stoker. 1,985,660; Dec. 25.
- Independence Stove and Furnace Company. (See Crick, Thomas, assignor.)
- Independent Air Filter Company. (See Dahlman, Verner, assignor.)
- Independent-Eastern Torpedo Company, The. (See McMillen, Herbert L., assignor.)
- Independent Grocers' Alliance of America. (See Mitzner, Adelbert C., assignor.)
- Independent Lock Company. (See Caron, Ludger J., assignor.)
- Independent Lock Co. (See Falk, Morris, assignor.)
- Independent Pneumatic Tool Company. (See Hamerly, Frank B., assignor.)
- Independent Pneumatic Tool Company. (See Hultquist, Charles A., assignor.)
- Independent Pneumatic Tool Co. (See Norling, Reinhold A., assignor.)
- Independent Stove Company, The. (See Pryor, Millard H., assignor.)
- Independent Stove Company, The. (See Zuck, Stanley F., assignor.)
- Indera Mills Company. (See Martin, Charles L., assignor.)
- Indestro Manufacturing Corp. (See Rice, Harold G., assignor.)
- India Rubber, Gutta Percha and Telegraph Works Company, Limited, The. (See Mathews, F. C., Brown, and Pengelly, assignors.)
- Indian Motorcycle Company. (See du Pont, E. P., and Weaver, assignors.)
- Indian Motorcycle Company. (See Uhl, Harry C., assignor.)
- Indian Refining Company. (See Bryant, G. R., and Govers, assignors.)
- Indian Refining Company. (See Govers, Francis X., assignor.)
- Indian Territory Illuminating Oil Company. (See McDonald, Pat.)
- Indiana Fibre Products Company. (See Simmons, Paul R., assignor.)
- Indiana Foundry Machine & Supply Company. (See Calpha, A. J., and Craft, assignors.)
- Indiana Glass Company. (See Clark, Jeddiah B., assignor.)
- Indiana Limestone Company. (See Oldham, Anthus D., assignor.)
- Indiana Limestone Company. (See Walls, Lowell D., assignor.)
- Indiana Steel & Wire Company. (See Crapo, Frederick M., assignor.)
- Indiana Steel & Wire Company. (See Judy, Paul R., assignor.)
- Indiana Steel & Wire Company. (See Judy, P. R., and Pennington, assignors.)
- Indiana Steel & Wire Company. (See Pennington, Harry R., assignor.)
- Indianapolis Reed Company. (See Mahoney, William F., assignor.)
- Individual Drinking Cup Company. (See Carew, Herman, assignor.)
- Individual Drinking Cup Company, Inc. (See Wessman, Edwin G., assignor.)
- Industrial Associated, Inc. (See Riley, Champlain, assignor.)
- Industrial Chemical Sales Company, Inc. (See Haywood, Gerald, assignor.)
- Industrial Chemical Sales Company, Inc. (See Statham, N., and Leek, assignors.)
- Industrial Development Corporation. (See Weber, Harold C., assignor.)
- Industrial Developments Corporation. (See Wilkins, Richard A., assignor.)
- Industrial Dryer Corporation. (See Harris, Gordon D., assignor.)
- Industrial Equipment Company, The. (See Rust, Philip F., assignor.)
- Industrial Furnace Corporation. (See Breaker, Harry O., assignor.)
- Industrial Grease Company. (See Kettlewell, H. E., and Betitclaire, assignors.)
- Industrial Improvements Incorporated. (See Kirby, James B., assignor.)
- Industrial Patents Corporation. (See Bech, Joseph, assignor.)
- Industrial Patents Corporation. (See Calef, Sewell C., assignor.)
- Industrial Patents Corporation. (See Canter, Orle R., assignor.)
- Industrial Patents Corporation. (See Christopher, Edward F., assignor.)
- Industrial Patents Corporation. (See Collins, Joel L., assignor.)
- Industrial Patents Corporation. (See Covey, John E., assignor.)
- Industrial Patents Corporation. (See Dziedzic, Nickolas J., assignor.)
- Industrial Patents Corporation. (See Dziedzic, N. J., and McKee, assignors.)
- Industrial Patents Corporation. (See Gonsor, John J., assignor.)
- Industrial Patents Corporation. (See Kammert, William H., assignor.)
- Industrial Patents Corporation. (See McKee, Harry H., assignor.)
- Industrial Patents Corporation. (See McKee, H. H., and Dziedzic, assignors.)
- Industrial Patents Corporation. (See Newton, R. C., Bloom, and Paddock, assignors.)
- Industrial Patents Corporation. (See Paddock, Levi S., assignor.)
- Industrial Patents Corporation. (See Ragensburger, Richard W., assignor.)
- Industrial Patents Corporation. (See Taylor, William H., assignor.)
- Industrial Patents Corporation. (See Walter, Charles T., assignor.)
- Industrial Patents Corporation. (See Whitmarsh, Laurence B., assignor.)
- Industrial Patents Corporation. (See Wickliffe, John K., assignor.)
- Industrial Patents Corporation. (See Wilson, John E., assignor.)
- Industrial Patents, Ltd. (See Herbsman, Abraham M., assignor.)
- Industrial Research Corporation. (See Brockway, Carl P., assignor.)

- Industrial Sugar Products Corporation. (See Ford, Arthur S., assignor.)
- Industrial Wire Cloth Products Corporation. (See Jacobs, Clarence E., assignor.)
- Industrie A. G. Allegro Ernmenbrucke. (See Barsch, William, assignor.)
- Industries of America, Inc. (See Dechant, Frederick H., assignor.)
- Industries of America, Incorporated. (See Robinson, Harry G., assignor.)
- Industrikemisha Aktiebolaget. (See Naucier, J. O., and Ledin.)
- Infallible Card Selecting Company Limited, The. (See Taylor, Edgar W., assignor.)
- Ing, John W., Longview, Tex. Vending machine. 1,945,743; Feb. 6.
- Ing, Willie S., Oklahoma City, Okla. Automatically opening and closing window. 1,949,793; Mar. 6.
- Ingall, Alfred W., Moose Jaw, Saskatchewan, Canada. Apparatus for the manipulation and playing of disk records. 1,961,972; June 5.
- Ingalls, Harry, Chicago, assignor, by mesne assignments, to E. F. Whitechurch, La Grange, Ill. Cutting frozen substances. 1,961,690; June 5.
- Ingalls, William A., Bristow, Okla. Combined safety and sealing device for oil and gas wells. 1,945,222; Jan. 30.
- Ingels, James J., Chicago, Ill. Making cleats. 1,955,546; Apr. 17.
- Ingelsrud, Hildor, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Arrangement for supply of current to electrothermic melting furnaces. 1,983,544; Dec. 11.
- Ingenjorsfirman C. A. C., Törnblom & Björklund. (See Törnblom, Ernst A. E., assignor.)
- Ingersoll, Ella I. (See Tatter, J. W., and Ingersoll.)
- Ingersoll, George B. (See Tatter, J. W., and Ingersoll.)
- Ingersoll, George B., Dearborn, Mich. Six wheel vehicle. 1,959,585; May 22.
- Ingersoll, George B., Dearborn, Mich., assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio. Ball and socket joint. 1,985,728; Dec. 25.
- Ingersoll, George B., Dearborn, Mich., assignor, by mesne assignments, to Thompson Products, Incorporated, Cleveland, Ohio. Ball and socket joint. 1,985,729; Dec. 25.
- Ingersoll, Howard L., Bedford, assignor to Locomotive Booster Company, New York, N. Y. Booster equipped locomotive. 1,950,449; Mar. 13.
- Ingersoll Milling Machine Company, The. (See Hanitz, Hans T. R., assignor.)
- Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
- Ingersoll Milling Machine Company, The. (See Morgan, Everette K., assignor.)
- Ingersoll Milling Machine Company, The. (See Oberhoffen, Alexander, assignor.)
- Ingersoll-Rand Company. (See Allen, Roy O., assignor.)
- Ingersoll-Rand Company. (See Baker, Charles S., assignor.)
- Ingersoll-Rand Company. (See Baker, C. S., and Fingar, assignors.)
- Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
- Ingersoll-Rand Company. (See Bebbington, William E., assignor.)
- Ingersoll-Rand Company. (See Cramp, David L., assignor.)
- Ingersoll-Rand Company. (See Evans, Herbert C., assignor.)
- Ingersoll-Rand Company. (See Frelin, Fritjof, assignor.)
- Ingersoll-Rand Company. (See Haight, Harry V., assignor.)
- Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
- Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)
- Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
- Ingersoll-Rand Company. (See Jimerson, F. A., and Allen, assignors.)
- Ingersoll-Rand Company. (See Jones, Harrison T., assignor.)
- Ingersoll-Rand Company. (See Jowett, J. H., and Smith, jr., assignors.)
- Ingersoll-Rand Company. (See Lear, Earl B., assignor.)
- Ingersoll-Rand Company. (See McClay, Gordon F., assignor.)
- Ingersoll-Rand Company. (See McHugh, Anthony L., assignor.)
- Ingersoll-Rand Company. (See Miller, Frank, assignor.)
- Ingersoll-Rand Company. (See Miller, Ralph, assignor.)
- Ingersoll-Rand Company. (See Naab, Julius, assignor.)
- Ingersoll-Rand Company. (See Prellwitz, William, assignor.)
- Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
- Ingersoll-Rand Company. (See Smith, William A., sr., assignor.)
- Ingersoll-Rand Company. (See Smith, William A., sr., and W. A., jr., assignors.)
- Ingersoll-Rand Company. (See Trumpler, William E., assignor.)
- Ingersoll-Rand Company. (See Valentine, Bertram G., assignor.)
- Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
- Ingersoll Steel and Disc Co. (See Ingersoll, Stephen L., assignor.)
- Ingersoll Steel and Disc Co. (See Ingersoll, S. L., Patrick, and Borg, assignors.)
- Ingersoll, Stephen L., assignor to Ingersoll Steel and Disc Co., Chicago, Ill. Making composite metal articles. 1,955,547; Apr. 17.
- Ingersoll, Stephen L., assignor to Ingersoll Steel and Disc Co., Chicago, Ill. Preparing laminated metal. 1,967,754; July 24.
- Ingersoll, Stephen L., assignor to Ingersoll Steel and Disc Co., Chicago, Ill. Making composite metallic articles. 1,983,760; Dec. 11.
- Ingersoll, Stephen L., Chicago, Ill., W. W. Patrick, and A. C. Borg, New Castle, Ind., assignors to Ingersoll Steel and Disc Co., Chicago, Ill. Making composite metal articles. 1,963,745; June 19.
- Ingersoll, Ward H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve operating mechanism. 1,979,690; Nov. 6.
- Ingham, William J., and J. Larouche, Nashua, N. H. Thread cutting mechanism for box looms. 1,974,677; Sept. 25.
- Ingison, Jay W., Minneapolis, Minn. Water heating device. 1,963,367; June 19.
- Ingler, William A., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Making a glass article. 1,947,526; Feb. 20.
- Inglis, Henry B., Dayton, Ohio. Level indicator. 1,955,746; Apr. 24.
- Ingman, Thomas M. (See Hatherell, G. A., Ingman, and Garbutt.)
- Ingold, Harold S., Seattle, Wash., assignor to Electrical Products Corporation of Washington. Bushing for luminous display tubes. 1,962,347; June 12.
- Ingold, John O. C., Havana, Kans. Condiment holder. 1,980,863; Nov. 13.
- Ingraham, Dudley S. (See Downs, B. I., and Ingraham.)
- Ingraham, E., Company, The. (See Carlson, Elof L., assignor.)
- Ingraham, E., Company, The. (See Downs, B. I., and Ingraham, assignors.)
- Ingraham, E., Company, The. (See Mansfield, Arthur L., assignor.)
- Ingraham, E., Company, The. (See Poole, Arthur B., assignor.)
- Ingraham, E., Company, The. (See Vogt, Henry O., assignor.)
- Ingraham, E., Company, The. (See Wick, Emil A., assignor.)
- Ingraham, William T., Dover, N. J. Extracting diphenylamine. 1,972,891; Sept. 11.
- Ingraham, William T., Dover, N. J. Extracting diphenylamine. 1,972,892; Sept. 11.
- Ingram & Duval, Inc. (See D'Adrian, Alexander L. D., assignor.)
- Ingram, John D., Dallas, Tex. Article holder for service trays and stands. 1,969,220; Aug. 7.
- Ingram, John W., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Refining hydrocarbon oils. 1,973,901; Sept. 18.
- Ingram, Joseph D., La Jolla, Calif. Internal combustion engine. 1,956,922; May 1.
- Ingram, Joseph R., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanizing rubber. 1,943,797; Jan. 16.
- Ingram Manufacturing Company. (See Moench, Ernest J., assignor.)
- Ingram, Oscar L., Walla Walla, Wash. Liquid level gauge. 1,945,042; Jan. 30.
- Ingwer, Carl H., assignor to The I. T. S. Company, Elyria, Ohio. Rubber heel. 1,973,077; Sept. 11.
- Inkset Safety Paper Company. (See Wood, Frank S., assignor.)
- Inland Manufacturing Company, The. (See Chilton, Ralph H., assignor.)
- Inland Manufacturing Company. (See Geyer, Harvey D., assignor.)
- Inland Manufacturing Company, The. (See Geyer, H. D., and Waterbury, assignors.)
- Inland Steel Company. (See Smith, Wallace W., assignor.)
- Inland Steel Company. (See Sykes, W., and Carroll, assignors.)
- Inman, Donovan E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,944,741; Jan. 23.
- Inman, James F. and M., Los Angeles, Calif. Game apparatus. 1,952,624; Mar. 27.
- Inman Manufacturing Company. (See Joslin, Frank M., assignor.)
- Inman, Mary. (See Inman, James F. and M.)
- Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Drinking cup. 1,975,546; Oct. 2.
- Inman, William H., and G. E. Weinman, assignors to Bloomer Bros. Company, Newark, N. Y. Egg carton. 1,954,671; Apr. 10.
- Inner-Tite Clamp Corporation. (See Engel, Frank A., assignor.)
- Inner-Tite Clamp Corporation. (See Engel, F. A., Lawrence, and Hudson, assignors.)
- Innis, Harry H., Munhall, Pa., assignor to General Electric Company. Compass. 1,968,556; July 31.
- Innis, Robert I., Winthrop, Mass. Sanitary sandal. 1,980,621; Nov. 13.
- Innovation Brakes Incorporated. (See Shelor, Frederick L., assignor.)
- Insall, Augustus T. C., East Finchley, London, and F. E. Andrews, East Twickenham, England. Devices for playing table football. 1,980,274; Nov. 13.

- Insley Manufacturing Company. (See Ray, F. B., and Schmid, assignors.)
- Insley, Robert, and A. M. Niven, Detroit, Mich., assignors, by mesne assignments, to Continental Aircraft Engine Company. Engine. 1,964,061; June 26.
- Instant Cooler Company. (See Severson, Carl J., assignor.)
- Instrument Engineers, Inc. (See Hough, Robert H., assignor.)
- Insulated Steel Construction Company. (See Higley, Frank R., assignor.)
- Insulated Steel Construction Company. (See Smith, Robert, jr., assignor.)
- Insulated Steel Construction Company, trustee. (See Clark, Mills G., assignor.)
- Insulated Steel Construction Company, trustee. (See Moore, James E. A., assignor.)
- Insulation Development Corporation. (See McIntyre, Brouwer D., assignor.)
- Insulite Company, The. (See Ellis, George H., assignor.)
- Insull, Mrs. Samuel, jr., et al. (See Arsenault, L. M., and Hutchinson, assignors.)
- Intemann, William, Brooklyn, N. Y. Advertising device. 1,983,374; Dec. 4.
- Intercontinental Rubber Company. (See Carnahan, George H., assignor.)
- Interior Hardwood Company Limited, The. (See Sass, Oscar F., assignor.)
- Interlake Tissue Mills Co. Limited. (See Carruthers, George, assignor.)
- International Air Brake Control Company. (See Seifferle, Oliver, assignor.)
- International Banding Machine Company. (See Malocsay, Francis X., assignor.)
- International Bitumenol Corporation. (See Vandegrift, J. N., and Postel, assignors.)
- International Bleaching Corporation. (See Hatch, Raymond S., assignor.)
- International Bleaching Corporation. (See Wolf, R. B., Hatch, and Hill, assignors.)
- International Business Machines Corporation. (See Allen, Ralph C., assignor.)
- International Business Machines Corporation. (See Armbruster, John W., assignor.)
- International Business Machines Corporation. (See Breaden, Carroll E., assignor.)
- International Business Machines Corporation. (See Bryce, Henry W., assignor.)
- International Business Machines Corporation. (See Bryce, James W., assignor.)
- International Business Machines Corporation. (See Bryce, J. W., and Haltermann, assignors.)
- International Business Machines Corporation. (See Campbell, Charles, assignor.)
- International Business Machines Corporation. (See Carroll, Fred M., assignor.)
- International Business Machines Corporation. (See Carroll, F. M., and Bakelaar, assignors.)
- International Business Machines Corporation. (See Carroll, F. M., and Smith, assignors.)
- International Business Machines Corporation. (See Daly, George F., assignor.)
- International Business Machines Corporation. (See Daly, G. F., and Dayer, assignors.)
- International Business Machines Corporation. (See Dicke, A., Richter, and Schumacher, assignors.)
- International Business Machines Corporation. (See Dunn, Francis L., assignor.)
- International Business Machines Corporation. (See Eichenauer, Conrad, assignor.)
- International Business Machines Corporation. (See Einstein, Howard C., assignor.)
- International Business Machines Corporation. (See Ford, Eugene A., assignor.)
- International Business Machines Corporation. (See Friden, Carl M. F., assignor.)
- International Business Machines Corporation. (See Fryer, William H., assignor.)
- International Business Machines Corporation. (See Fuller, Frederick L., assignor.)
- International Business Machines Corporation. (See Galyon, John W., assignor.)
- International Business Machines Corporation. (See Gilbert, William N., assignor.)
- International Business Machines Corporation. (See Gray, Alvin E., assignor.)
- International Business Machines Corporation. (See Gumprich, William, assignor.)
- International Business Machines Corporation. (See Gutgesell, William F., assignor.)
- International Business Machines Corporation. (See Hoffman, Morris J., assignor.)
- International Business Machines Corporation. (See Jones, Fred R., assignor.)
- International Business Machines Corporation. (See Keen, Harold H., assignor.)
- International Business Machines Corporation. (See Kölm, Ulrich, assignor.)
- International Business Machines Corporation. (See Krüger, Hermann F., assignor.)
- International Business Machines Corporation. (See Lake, Clair D., assignor.)
- International Business Machines Corporation. (See Lake, C. D., and Daly, assignors.)
- International Business Machines Corporation. (See Lake, C. D., Daly, and Hamilton, assignors.)
- International Business Machines Corporation. (See Lake, C. D. and Shores, assignors.)
- International Business Machines Corporation. (See Larabee, Clinton L., assignor.)
- International Business Machines Corporation. (See Lee, F., and Daly, assignors.)
- International Business Machines Corporation. (See Lewis, Archibald H., assignor.)
- International Business Machines Corporation. (See Loran, Rudolf.)
- International Business Machines Corporation. (See Lorenz, James D., assignor.)
- International Business Machines Corporation. (See Lowkrantz, Gunne, assignor.)
- International Business Machines Corporation. (See Maby, Adelbert C., assignor.)
- International Business Machines Corporation. (See Martin, John P., assignor.)
- International Business Machines Corporation. (See Maul, Michael, assignor.)
- International Business Machines Corporation. (See Monmon, Louis, assignor.)
- International Business Machines Corporation. (See Ogsbury, James S., assignor.)
- International Business Machines Corporation. (See Oldenboom, Derk J., assignor.)
- International Business Machines Corporation. (See Peddicord, Paul G., assignor.)
- International Business Machines Corporation. (See Peirce, John E., assignor.)
- International Business Machines Corporation. (See Phillips, Burdette H., assignor.)
- International Business Machines Corporation. (See Read, Harold L., assignor.)
- International Business Machines Corporation. (See Reussenzehn, Ernest A., assignor.)
- International Business Machines Corporation. (See Schaaff, John T., assignor.)
- International Business Machines Corporation. (See Schumacher, Diedrich F., assignor.)
- International Business Machines Corporation. (See Strachan, Thomas H., assignor.)
- International Business Machines Corporation. (See Strachan, T. H., and Fryer, assignors.)
- International Business Machines Corporation. (See Sturtevant, Vernon O., assignor.)
- International Business Machines Corporation. (See Tauschek, Gustav, assignor.)
- International Business Machines Corporation. (See Tripp, C. A., assignor.)
- International Business Machines Corporation. (See Von Pein, Edward J., assignor.)
- International Business Machines Corporation. (See Watson, Glenn W., assignor.)
- International Business Machines Corporation. (See Weinlich, Herman A., assignor.)
- International Business Machines Corporation. (See Weinlich, H. A., and Kölm, assignors.)
- International Business Machines Corporation. (See Wohlrab, Albert W., assignor.)
- International Business Machines Corporation. (See Wood, George R., assignor.)
- International Business Machines Corporation. (See Worden, William, assignor.)
- International Business Machines Corporation. (See Zigueld, Robert, assignor.)
- International Carbonic Engineering Company. (See Cribb, G. D. G., and Whitby, assignors.)
- International Carbonic Engineering Company. (See Eichmann, Thoeophil, assignor.)
- International Carbonic Engineering Company. (See Eichmann, T., and Rufener, assignors.)
- International Carbonic Engineering Company. (See Rufener, H., and Eichmann, assignors.)
- International Cellucotton Products Company. (See Greiner, C. J., and Thompson, assignors.)
- International Check Endorser Co., The. (See Lyman, W. H., and Fischel, assignors.)
- International Chromium Process Corporation. (See Simpson, Kenneth M., assignor.)
- International Cigar Machinery Company. (See Alm, T. W., and Pedersen, assignors.)
- International Cigar Machinery Company. (See Beutel, Robert J., assignor.)
- International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)
- International Cigar Machinery Company. (See Durning, James P., assignor.)
- International Cigar Machinery Company. (See Ferenc, Lester, assignor.)
- International Cigar Machinery Company. (See Halstead, John F., assignor.)
- International Cigar Machinery Company. (See Lindblad, Charles V., assignor.)
- International Cigar Machinery Company. (See Maspons, Albert E., assignor.)
- International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)
- International Cigar Machinery Company. (See Patterson, M., and Rundell, assignors.)
- International Cigar Machinery Company. (See Peterson, Pontus, assignor.)
- International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
- International Cigar Machinery Company. (See Rundell, R. E., and Hagquist, assignors.)

- International Cigar Machinery Company. (See Schussler, Walter H., assignor.)
 International Cigar Machinery Company. (See Wahlstrom, Verner J., assignor.)
 International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)
 International Clay Machinery Company, The. (See McElroy, R. H., and Langenkamp, assignors.)
 International Combustion Engineering Corporation. (See Cottam, Charles A., assignor.)
 International Combustion Engineering Corporation. (See Jackson, George P., assignor.)
 International Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
 International Combustion Engineering Corporation. (See Mitendorf, H. C., and Foster, assignors.)
 International Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
 International Combustion Engineering Corporation. (See Weigel, Albert C., assignor.)
 International Communications Laboratories, Inc. (See Bancroft, Erwin P., assignor.)
 International Communications Laboratories, Inc. (See Cassidy, William F., Jr., assignor.)
 International Communications Laboratories, Inc. (See Clavier, André G., assignor.)
 International Communications Laboratories, Inc. (See Clokey, Allison A., assignor.)
 International Communications Laboratories, Incorporated. (See Farrington, John F., assignor.)
 International Communications Laboratories, Inc. (See Foss, Clifton T., assignor.)
 International Communications Laboratories, Inc. (See Hunkins, Harold R., assignor.)
 International Communications Laboratories, Inc. (See Kelley, Leo A., assignor.)
 International Communications Laboratories, Inc. (See Lewis, Elmer F., assignor.)
 International Communications Laboratories, Inc. (See Mason, Roger, assignor.)
 International Communications Laboratories, Incorporated. (See Smith, Clyde, assignor.)
 International Communications Laboratories, Inc. (See Smith, Rothwell E., assignor.)
 International Communications Laboratories, Inc. (See Woodward, Marion H., assignor.)
 International Communications Laboratories, Inc. (See Woodward, M. H., and Connery, assignors.)
 International Corset Company. (See Weber, William G., assignor.)
 International Cosmetic Company. (See Duell, Charles H., assignor.)
 International Cosmetic Company. (See Duell, C. H., Brisbane, and Clarke, assignors.)
 International Cosmetic Company. (See Gottfried, J., and Duell, assignors.)
 International Derrick & Equipment Company, The. (See Bloss, R. R., and Pfeil, assignors.)
 International Engineering Corporation. (See Broege, Robert J., assignor.)
 International Engineering, Inc. (See Langenkamp, A. G., and McElroy, assignors.)
 International Envelope Corporation. (See O'Connell, John J., assignor.)
 International Flare-Signal Company. (See Driggs, Louis L., Jr., assignor.)
 International Flouncing Co. Inc. (See Robbins, Harry, assignor.)
 International Harvester Company. (See Baker, David B., assignor.)
 International Harvester Company. (See Baker, D. B., Rogers, and Panzegrau, assignors.)
 International Harvester Company. (See Beall, William L., assignor.)
 International Harvester Company. (See Benjamin, Bert R., assignor.)
 International Harvester Company. (See Crumb, C. F., and Hylblom, assignors.)
 International Harvester Company. (See Borgerd, W. F., and Uherek, assignors.)
 International Harvester Company. (See Duckworth, Nevin H., assignor.)
 International Harvester Company. (See Engstrom, Gustaf W., assignor.)
 International Harvester Company. (See Engstrom, G. W., Faverty, and Walker, assignors.)
 International Harvester Company. (See Graham, William S., assignor.)
 International Harvester Company. (See Graham, W. S., and Morkovski, assignors.)
 International Harvester Company. (See Graham, W. S., and Olson, assignors.)
 International Harvester Company. (See Graves, Earl R., assignor.)
 International Harvester Company. (See Haas, Clarence C., assignor.)
 International Harvester Company. (See Hand, Frederick E., assignor.)
 International Harvester Company. (See Hitchcock, Rex E., assignor.)
 International Harvester Company. (See Hodsdon, Floyd G., assignor.)
 International Harvester Company. (See Holmes, John S., assignor.)
 International Harvester Company. (See Hyman, Benjamin M., assignor.)
 International Harvester Company. (See Johnson, Arnold E. W., assignor.)
 International Harvester Company. (See Johnson, A. E. W., and Benjamin, assignors.)
 International Harvester Company. (See Johnson, A. E. W., and Robinson, assignors.)
 International Harvester Company. (See Johnston, Edward A., assignor.)
 International Harvester Company. (See Johnston, E. A., and Lindgren, assignors.)
 International Harvester Company. (See Johnston, E. A., Lindgren, Rane, and Hyman, assignors.)
 International Harvester Company. (See Johnston, E. A., Rane, and Johnson, assignors.)
 International Harvester Company. (See Kriegbaum, G. M., and Haas, assignors.)
 International Harvester Company. (See Lindgren, Alexis C., assignor.)
 International Harvester Company. (See Lindgren, A. C., and Graham, assignors.)
 International Harvester Company. (See Lindgren, A. C., and Rane, assignors.)
 International Harvester Company. (See Lindgren, A. C., Rane, and Hitchcock, assignors.)
 International Harvester Company. (See Morkovski, James, assignor.)
 International Harvester Company. (See Olson, Glen J., assignor.)
 International Harvester Company. (See Parsons, Harry N., assignor.)
 International Harvester Company. (See Pearson, Charles, assignor.)
 International Harvester Company. (See Rane, C. R., and Benjamin, assignors.)
 International Harvester Company. (See Rane, C. R., and Welty, assignors.)
 International Harvester Company. (See Rogers, Clifford R., assignor.)
 International Harvester Company. (See Scarratt, A. W., and Reinoehl, assignors.)
 International Harvester Company. (See Sperry, L. B., and Yarian, assignors.)
 International Harvester Company. (See Walker, Earl C., assignor.)
 International Harvester Company. (See Wamhoff, William F., assignor.)
 International Harvester Company. (See Welty, Albert B., assignor.)
 International Machine & Tool Works. (See Nilson, Olof G., assignor.)
 International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)
 International Manufacturing Company, The. (See Patterson, Clarence L., assignor.)
 International Manufacturing Company, The. (See Wright, Oscar E., assignor.)
 International Motor Company. (See Cowell, Robert F., assignor.)
 International Motor Company. (See Erskine, Clyde, assignor.)
 International Motor Company. (See Fink, Emil C., assignor.)
 International Motor Company. (See Gurney, Erving R., assignor.)
 International Motor Company. (See Loeffler, Bruno, assignor.)
 International Motor Company. (See Manville, Keith R., assignor.)
 International Motor Company. (See Masury, Alfred F., assignor.)
 International Motor Company. (See Masury, A. F., and Kohlberger, assignors.)
 International Motor Company. (See Matthews, Joseph L., assignor.)
 International Motor Company. (See Robbins, Azor D., assignor.)
 International Motor Company. (See Walker, John, assignor.)
 International Motor Company. (See Walker, J., and Miller, assignors.)
 International Motor Company. (See Wirrer, G., and Robbins, assignors.)
 International Motor Patents Proprietary Limited. (See Falconer, William S., assignor.)
 International Narrow Fabric Company. (See Grube, Emil, assignor.)
 International Nickel Company, The. (See Atkinson, Ralph H., assignor.)
 International Nickel Company, The. (See Brown, H. M., Estler, and Neuhaus, assignors.)
 International Nickel Company, The. (See French, H. J., and Sands, assignors.)
 International Nickel Company, The. (See La Que, Francis L., assignor.)
 International Nickel Company, The. (See Wise, Edmund M., assignor.)
 International Nickel Company, Inc., The. (See Hanlon, Anthony J., assignor.)
 International Nickel Company of Canada, Limited, The. (See MacDonald, William T., assignor.)
 International Oil Gas Corporation. (See Harris, Leonard B., assignor.)
 International Oil Heating Company. (See Heiman, Sidney J., assignor.)
 International Paper Box Machine Company, The. (See Goss, Harold J., assignor.)

- International Paper Box Machine Company, The. (See Labombarde, Harold S., assignor.)
- International Paper Company. (See Bebie, Edwin W., assignor.)
- International Paper Company. (See Bebie, E. W., and Dodge, assignors.)
- International Paper Company. (See Campbell, J., and Rolleston, assignors.)
- International Paper Company. (See Craig, G. E., and Walker, assignors.)
- International Paper Company. (See Read, Robert E., assignor.)
- International Patents Development Company. (See Chalmers, George W., assignor.)
- International Patents Development Company. (See Copland, C. J., and Newkirk, assignors.)
- International Patents Development Company. (See Curry, Harry W., assignor.)
- International Patents Development Company. (See Curry, H. W., and Sayre, assignors.)
- International Patents Development Company. (See Dival, Edgar F., assignor.)
- International Patents Development Company. (See Giesecke, Fred O., assignor.)
- International Patents Development Company. (See Newkirk, William B., assignor.)
- International Patents, Ltd. (See John, Robert, assignor.)
- International Pavement Company, The. (See Morrison, Robert F., assignor.)
- International Postal Supply Company. (See Persson, Ernst, assignor.)
- International Precipitation Company. (See Buff, C. T., and Heinrich, assignors.)
- International Precipitation Company. (See Deutsch, Walther, assignor.)
- International Precipitation Company. (See Gies, Jakobus R., assignor.)
- International Precipitation Company. (See Grave, Georg, assignor.)
- International Precipitation Company. (See Hahn, Carl, assignor.)
- International Precipitation Company. (See Heimrod, Albert A., assignor.)
- International Precipitation Company. (See Heinrich, Richard, assignor.)
- International Precipitation Company. (See Horne, G. H., and Lissman, assignors.)
- International Precipitation Company. (See Knight, Alfred W., assignor.)
- International Precipitation Company. (See Lissman, Marcel A., assignor.)
- International Precipitation Company. (See Marshall, Kenneth I., assignor.)
- International Projector Corporation. (See Dina, Augusto, assignor.)
- International Projector Corporation. (See Frappier, L. S., and Boecking, assignors.)
- International Projector Corporation. (See Kindelmann, Albert, assignor.)
- International Projector Corporation. (See Kindelmann, A., and Boecking, assignors.)
- International Projector Corporation. (See Kindelmann, A., Jones, Pearlman, and Ostrander, assignors.)
- International Projector Corporation. (See Pearlman, Julius, assignor.)
- International Projector Corporation. (See Trout, George H., assignor.)
- International Radio Corporation. (See Webber, Joseph T., assignor.)
- International Register Company. (See Colby, Vincent V., assignor.)
- International Register Company. (See Woodward, Arthur H., assignor.)
- International Research Corporation. (See Wuerfel, Robert P., assignor.)
- International Resistance Company. (See Pugh, Alexander L., assignor.)
- International Resistance Company. (See Pugh, Alexander L., Jr., assignor.)
- International Safety Lock Nut Corporation. (See Crowther, George A., assignor.)
- International Seal and Knot Protector Co., The. (See Keidel, Frank, assignor.)
- International Shoe Company. (See Dunbar, Herbert E., assignor.)
- International Shoe Company. (See Dunbar, H. E., and Bringardner, assignors.)
- International Shoe Company. (See Hume, Fred, assignor.)
- International Silver Company. (See Conroy, Edward J., assignor.)
- International Silver Company. (See Helander, Lillian V. M., assignor.)
- International Silver Company. (See Kintz, Alfred G., assignor.)
- International Silver Company. (See Mowry, William F., assignor.)
- International Silver Company. (See Prout, Benjamin H., assignor.)
- International Spotlight Corporation. (See Sklarek, Clifford, assignor.)
- International-Stagey Corporation. (See Bloss, R. R., and Pfeil, assignors.)
- International Standard Electric Corporation. (See Riley, Thomas N., assignor.)
- International Standard Electric Corporation. (See Sandeman, E. K., and Filby, assignors.)
- International Standard Electric Corporation. (See Scott, Thomas R., assignor.)
- International Standard Electric Corporation. (See Scott, T. R., and Allen, assignors.)
- International Steel Company. (See Hagenbook, Thurloe M., assignor.)
- International Steel Company. (See Shields, John W., assignor.)
- International Steel Wool Corporation. (See Galvin, Charles E., assignor.)
- International Ticket Scale Corporation. (See Koch, Henry, assignor.)
- International Ticket Scale Corporation. (See Slezak, Vincent F., assignor.)
- International Vibrator Company. (See Day, William P., assignor.)
- International Visible Systems Corporation, The. (See Freiberg, Stanley B., assignor.)
- International Vitacrine Laboratory Corporation. (See McCrabbe, Hughbert W. M., assignor.)
- International Wood and Sulphite Co. (See Gruber, Joseph, assignor.)
- Internationale Tobis Maatschappij, N. V. (See Freund, Berthold, assignor.)
- Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
- "Intertrust" Compagnie Generale de Distillation et Cokefaction a Basse Temperature et Miniere, Societe Anonyme. (See Mage, Joseph, assignor.)
- Intertype Corporation. (See Anderson, David L., assignor.)
- Intertype Corporation. (See Borrmann, Henry, assignor.)
- Intertype Corporation. (See Freund, Herman R., assignor.)
- Intertype Corporation. (See Freund, H. R., and Willis, assignors.)
- Intertype Corporation. (See Gagné, A. L., and Snyder, assignors.)
- Intertype Corporation. (See Gilbert, Archie V., assignor.)
- Intertype Corporation. (See Sylte, Richard E., assignor.)
- Intertype Corporation. (See Sperry, Samuel E., assignor.)
- Intertype Corporation. (See Turner, Ransom H., assignor.)
- Intravenous Products Co. of America. (See Christina, Vincent, assignor.)
- Inventia Patent-Verwertungs-Gesellschaft. (See Engberg, A. O., and Bilde, assignors.)
- Inventia Patent-Verwertungs-Gesellschaft. (See Karlstrom, Fredrik J. R., assignor.)
- Inventia Patent-Verwertungs-Gesellschaft. (See Krauss, Friedrich E., assignor.)
- Inventia Patent-Verwertungs-Gesellschaft. (See Oelmann, Wilhelm, assignor.)
- Inventia Patent-Verwertungs-Gesellschaft. (See Oelmann, Wilhelm H. K., assignor.)
- Inventions Limited. (See Moore, Edgar S., assignor.)
- Investira S. A. (See Winnertz, Peter E., assignor.)
- Invex Corporation. (See Craig, Palmer H., assignor.)
- Iodine Educational Bureau, Inc. (See Karns, George M., assignor.)
- Ionizing Corporation of America. (See Henry, Ira W., assignor.)
- Iowa Fiber Box Company, et al. (See Shofer, M. R., and Ewers, assignors.)
- Iowa Fiber Box Company, et al. (See Witte, James G., assignor.)
- Iowa Malleable Iron Company. (See van Lantschoot, August, assignor.)
- Iowa Malleable Iron Company. (See van Lantschoot, August A., assignor.)
- Iowa State College of Agriculture and Mechanic Arts. (See Goss, E. F., and Hammer, assignors.)
- Iowa State College of Agriculture and Mechanic Arts. (See Hixon, R. M., McGlumphy, Eichinger, and Buchanan, assignors.)
- Iowa State College of Agriculture and Mechanic Arts. (See Sweeney, Orland R., assignor.)
- Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 1,960,631; May 29.
- Ipatiew, Vladimir N., N. Caro, and A. R. Frank, assignors to Bayerische Stickstoffwerke A. A., Berlin, Germany. Production of phosphates and hydrogen. 1,961,691; June 5.
- Ipsen, Carl L., Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,979,108; Oct. 30.
- Ipsen, Carl L., and R. E. Cox, Schenectady, N. Y., assignors to General Electric Company. Furnace. 1,963,846; June 19.
- Irby, Macon F., Richmond, Va. Sign-holding device. 1,968,209; July 31.
- Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Chromium plating. 1,953,484; Apr. 3.
- Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Contact material. 1,982,812; Dec. 4.
- Ireland, Ellison S., assignor to Illinois Watch Case Company, Elgin, Ill. Watchcase. 1,981,047; Nov. 20.
- Ireland, Ellison S., assignor to Illinois Watch Case Company, Elgin, Ill. Lip stick container. 1,983,083; Dec. 4.
- Ireland, Dwight B., executor, et al. (See Ireland, George E., assignor.)

- Ireland, Edith M., executor, et al. (See Ireland, George E.)
 Ireland, George E., deceased, Toledo, Ohio; E. M. and D. B. Ireland, executors. Method and apparatus for producing radiator shells and the like. 1,948,918; Feb. 27.
 Ireland, George E., deceased, Toledo, Ohio, E. M. and D. B. Ireland, executors. Producing sheet metal shells for automobile radiators. 1,966,723; July 17.
 Ireland, Thomas H., Rockville Center, N. Y. Water heater. 1,962,773; June 12.
 Irely, Kenneth M., New Brunswick, N. J., assignor to Resinox Corporation, New York, N. Y. Oil-soluble resin. 1,948,469; Feb. 20.
 Irely, Kenneth M., New Brunswick, N. J., assignor to Resinox Corporation, New York, N. Y. Oil-soluble resin. 1,970,912; Aug. 21.
 Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Outboard motor. Des. 91,714; Mar. 13.
 Iriarte, Ricardo, Decoto, Calif. Sewing cabinet. 1,970,655; Aug. 21.
 Irion, Clarence E., assignor to The Battelle Memorial Institute, Columbus, Ohio. Treating copper and copper alloys. 1,942,923; Jan. 9.
 Irion, Clarence E., and G. L. Craig, assignors to The Battelle Memorial Institute, Columbus, Ohio. Production of an adherent patina upon copper or its alloys. 1,974,140; Sept. 18.
 Irion, Wilhelm. (See Börner, K., Rossner, Mahn, and Irion.)
 Irish, Louis H., Byers, Tex. Axle mounting. 1,946,624; Feb. 13.
 Irminger, Caroline A., Hoboken, N. J. Program light. 1,955,916; Apr. 24.
 Irmischer, Hans. (See Hirschhorn, L., and Irmischer.)
 Irmischer, Hans, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Tag forming machine. 1,951,417; Mar. 20.
 Irmischer, Hans, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Cutting mechanism for bag forming machines. 1,955,811; Apr. 24.
 Irmischer, Hans, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Tagging machine. 1,956,901; May 1.
 Irmischer, Hans, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Winding mechanism for tea bag machines. 1,967,441; July 24.
 Irmischer, Hans, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Inking mechanism for printing presses. 1,983,610; Dec. 11.
 Irmischer, Hans, and G. L. Buckley, New York, N. Y. Device for opening packages and other wrappings. 1,943,732; Jan. 16.
 Iron Fireman Manufacturing Company. (See Banfield, Thomas H., assignor.)
 Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
 Iron Fireman Manufacturing Company. (See Richardson, Max C., assignor.)
 Iron Fireman Manufacturing Company. (See Sammons, Edward C., assignor.)
 Iron Fireman Manufacturing Company. (See Webb, Ernest C., assignor.)
 Irons, Archie E., and D. S. Kepler, Sharon, Pa. Fire preventive attachment for motion picture projection machines. 1,969,134; Aug. 7.
 Irons, Robert H., Harrisburg, and A. E. Eck, Camp Hill, assignors to Central Iron & Steel Company, Harrisburg, Pa. Highway guard. 1,969,885; Aug. 14.
 Ironsides Company, The. (See Williams, Robert C., assignor.)
 Ironsides Company, The. (See Williams, R. C., and Russell, assignors.)
 Irgang, William F., Chicopee, assignor to United States Envelope Company, Springfield, Mass. Envelope or container. 1,972,995; Sept. 11.
 Irsh, George J. (See Stephenson, William B., assignor.)
 Irvin, John L., assignor to Gulf Pipe Line Company, Houston, Tex. Slugging liquids through conduits and the like. 1,966,819; July 17.
 Irvin, Richard, Pittsburgh, Pa. Acoustic construction. 1,972,563; Sept. 4.
 Irvin, Walter F., assignor, by mesne assignments, to Ruth M. Hook, Pittsburgh, Pa. Valve mechanism. 1,975,656; Oct. 2.
 Irvin, William A., New York, N. Y., and C. A. Bollinger, New Castle, Pa., assignors to American Sheet and Tin Plate Company, Catcher. 1,972,343; Sept. 4.
 Irvine, Andrew. (See Emery, H., Irvine, and Bateman.)
 Irvine, Andrew, Paterson, N. J. Printing sensitized surfaces. 1,967,057; July 17.
 Irvine, Fergus A. (See Lathrop, E. C., and Irvine.)
 Irvine, Fergus A., New Orleans, La. Protecting fiber products. 1,942,706; Jan. 9.
 Irvine, Herbert J. (See Nones, Alexandre, assignor.)
 Irvine, James, Jr. (See Key, James F., assignor.)
 Irvine, Lionel R. H., Killara, New South Wales, Australia. Construction of road pavements and other surfaces. 1,966,760; July 17.
 Irvine, Robert, Detroit, Mich. Tool for removing grease retainers. 1,964,468; June 26.
 Irving Air Chute Company. (See Lafayette, Harvey E., assignor.)
 Irving Air Chute Company. (See Nichols, Erwin H., assignor.)
 Irving Air Chute Company, Inc. (See Adams, Herbert L., assignor.)
 Irving Airchute of Great Britain, Ltd. (See Hamer, Hilbert G., assignor.)
 Irving Iron Works Company. (See Lumb, Louis N., assignor.)
 Irving, Philip. (See Lindquist, D. E., and Irving.)
 Irving Trust Company, receiver. (See Ball, Harry V., assignor.)
 Irving Trust Company, receiver. (See Eckhard, William K., assignor.)
 Irving Trust Company, receiver. (See Ginsberg, Charles W.)
 Irving Trust Company, receiver. (See Graf, Albert J., assignor.)
 Irving Trust Company, receiver. (See Hoe, R., & Co., Inc., assignor.)
 Irving Trust Company, receiver. (See Horton, Albert J., assignor.)
 Irving Trust Company, receiver. (See Horton, A. J., and Eckhard, assignors.)
 Irving Trust Company, receiver. (See Huck, William F., assignor.)
 Irving Trust Company, receiver. (See Lamatsch, Frederick.)
 Irving Trust Company, receiver. (See Lamatsch, F., and Ginsberg, assignors.)
 Irving Trust Company, receiver. (See Mohan, Edward J.)
 Irving Trust Company, receiver. (See Quick, C. G., and Marshall, assignors.)
 Irving Trust Company, receiver. (See Quick, C. G., and Whitehead.)
 Irving Trust Company, receiver. (See Salzer, Gottfried.)
 Irving Trust Company, receiver. (See Shipley, Clifford L., assignor.)
 Irving Trust Company, receiver. (See Spillane, James D.)
 Irving Trust Company, receiver. (See Springstead, John F.)
 Irving Trust Company, receiver. (See Tomlin, John R., assignor.)
 Irving Trust Company, receiver in equity. (See Ginsberg, Charles W., assignor.)
 Irving Trust Company, temporary trustee. (See Davis, Harry, assignor.)
 Irving Trust Company, temporary trustee. (See Eckhard, William K., assignor.)
 Irving Trust Company, temporary trustee. (See Hezel, Hermann, assignor.)
 Irving Trust Company, temporary trustee. (See Horton, Albert J.)
 Irving Trust Company, temporary trustee. (See Lamatsch, Frederick, assignor.)
 Irving Trust Company, temporary trustee. (See Lamatsch, F., and Ginsberg, assignors.)
 Irving Trust Company, temporary trustee. (See Lundquist, Arvid, assignor.)
 Irving Trust Company, temporary trustee. (See Lundquist, A., and Spillane, assignors.)
 Irving Trust Company, temporary trustee. (See Quick, C. G., Ball, and Whitehead, assignors.)
 Irving Trust Company, temporary trustee. (See Spillane, James D.)
 Irving Trust Company, temporary trustee. (See Springstead, John F., assignor.)
 Irving Trust Company, temporary trustee. (See Strain, William J., assignor.)
 Irving Trust Company, temporary trustee. (See Tomlin, John R.)
 Irwin, Bernard F., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Fluid equalizer for compression machines. 1,955,002; Apr. 17.
 Irwin, Charles L. (See Clay, H. C., Irwin, and Reeves.)
 Irwin, Daniel, New York, N. Y. Bubble tower tray. 1,950,247; Mar. 6.
 Irwin, George H., Chicago, Ill. Pneumatically operated cut-out for alternating current motors. 1,946,165; Feb. 6.
 Irwin, George H., Chicago, Ill. Gas burner structure. 1,948,663; Feb. 27.
 Irwin, George H., Chicago, Ill. Gas combustion system and control. 1,961,933; June 5.
 Irwin, Harry W., Lancaster, Pa. Safety belt. 1,971,264; Aug. 21.
 Irwin, Hiram D., Beckley, W. Va. Display tray assembly. 1,946,623; Feb. 13.
 Irwin, Lawrence C. (See Bast, F. J., and Irwin.)
 Irwin, Lawrence C., assignor to C. J. Tagliabue Mfg. Co., Brooklyn, N. Y. Temperature or pressure controller. 1,956,577; May 1.
 Irwin, Lawrence C., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Timing mechanism. 1,968,398; July 31.
 Irwin, Lawrence C., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Thermostatic steam trap. 1,976,730; Oct. 16.
 Irwin, Rodney C., Newark, Ohio. Glass goblet or article of similar nature. Des. 92,247; May 15.
 Irwin, Rodney C., Newark, Ohio. Glass plate or article of similar nature. Des. 92,248; May 15.
 Irwin, William J., Medford, assignor, by mesne assignments, to Norton Pike Company, Worcester, Mass. Meat-tendering apparatus. 1,959,828; May 22.
 Irwin, William J., Medford, Mass., assignor to W. F. Duffy, Franklin, N. H. Meat tendering machine. 1,965,462; July 3.
 Irwin, William W., East Liverpool, Ohio. Ware support for kilns. 1,941,941; Jan. 2.

- Irwin, William W., assignor, by mesne assignments, to The Potters Supply Company, East Liverpool, Ohio. Clay pin drying and cutting machine. 1,975,547; Oct. 2.
- Isaac, Elmer B. (See Frech, T. W., Fagan, Donovan, and Isaac.)
- Isaacs, Charles C., Pittsburg, Kans. Shears sharpener. 1,946,625; Feb. 13.
- Isaacs, Delphy O., Boston, Mass. Hair curler. 1,974,460; Sept. 25.
- Isaacs, William H. T., Great Bookham, England. Spark plug cleaning and setting tool. 1,985,410; Dec. 25.
- Isaacson, Carl A., Lindstrom, Minn. Coat hanger. 1,954,244; Apr. 10.
- Isaacson, Leo N., Brookline, assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 93,273; Sept. 11.
- Isacson, Oscar L., Gothenburg, Sweden. Packing eggs and similar fragile objects. 1,962,957; June 12.
- Isbell, Horace S., Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce. Crystalline magnesium xylonate and preparation of magnesium salts of aldonic acids. 1,964,734; July 3.
- Isbell, Horace S., Washington, D. C., assignor to the Government of the United States as represented by the Secretary of Commerce. Oxidizing aldose sugars and products resulting therefrom. 1,976,731; Oct. 16.
- Isbell, Horace S., Washington, D. C., assignor to the Government of the United States represented by the Secretary of Commerce. Preparation of calcium lactobionate. 1,980,996; Nov. 20.
- Isbell, Horace S., Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce. Preparation of crystalline gluconic acid. 1,985,255; Dec. 25.
- Isbell Porter Company. (See Warner, Arthur W., assignor.)
- Isco Chemical Company. (See Ladd, Edward T., assignor.)
- Isco Chemical Company. (See Speiden, Eben C., assignor.)
- Isecovitz, Carl B. (See Singer, Benjamin F., assignor.)
- Isele, Thomas A., Richmond Hill, assignors to Superior Meter Company, Brooklyn, N. Y. Coin controlled timed service device. 1,975,461; Oct. 2.
- Isenbeck, Bernhard. (See Pohl, F., and Isenbeck.)
- Isenberg, Ruolf A., Los Altos, and R. S. Pershing, Palo Alto, Calif. Lamp or similar article. Des. 92,184; May 1.
- Isenberg, Stanley, Chicago, Ill. Bath spray. Des. 91,825; Mar. 27.
- Isenberg, Stanley, Chicago, Ill. Bath spray. Des. 94,146; Dec. 25.
- Isenberg, Stanley, Chicago, Ill. Bath spray. 1,985,502; Dec. 25.
- Isenberg, Stanley, Chicago, Ill., assignor to Frozen Sweets, Inc. Apparatus for making frozen confections. 1,946,442; Feb. 6.
- Isenhower, Harry R., Bloomfield, Ind. Salt shaker. 1,947,600; Feb. 20.
- Isett, John W., Hinsdale, Ill. Repairing, widening, and resurfacing concrete roads. 1,957,596; May 8.
- Isham, Arlington D., New York, N. Y. Fluid applicator for printing ribbons. 1,976,229; Oct. 9.
- Isham, William J., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Automotive transmission. 1,966,296; July 10.
- Isherwood, Arthur, Readville, Mass. Cloth spreader or expander. 1,953,177; Apr. 3.
- Isherwood, Harold, London, England. Calculating machine. 1,953,515; May 15.
- Isherwood, Joseph W., Chislehurst, Kent, England. Ship construction. 1,984,271; Dec. 11.
- Isherwood, Joseph W. and W. Chislehurst, England. Locking means for hatch covers. 1,964,203; June 26.
- Isherwood, William. (See Isherwood, Joseph W. and W.)
- Ishimura, Lyuho S., Kamikyo-ku-Kyoto, Japan. Production of lead powder. 1,961,296; June 5.
- Ishimura, Lyuho S., Kyoto, Japan. Apparatus for converting lead suboxide to litharge. 1,979,745; Nov. 6.
- Iskin, Herman, Jamaica, assignor to Sackman Brothers Company, New York, N. Y. Boy's pistol holster or similar article. Des. 93,981; Dec. 4.
- Iskyan, George S., Jackson Heights, assignor to G. M. Co. Mfg. Company, Inc., Long Island City, N. Y. Wind deflector. 1,974,815; Sept. 25.
- Isler, Hans. (See Hartmann, M., and Isler.)
- Isler, Herman, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless work feed. 1,948,113; Feb. 20.
- Isler, Herman R. (See Ernst, H., and Isler.)
- Isler, Herman R., and S. Einstein, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine tool. 1,975,947; Oct. 9.
- Isola, Raymond O., assignor of twenty per cent to A. E. Proulx, Alabaster, Mich. Furniture caster. 1,980,205; Nov. 13.
- Isolantite, Inc. (See Bicknell, R. S., and Stevens.)
- Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,945,275; Jan. 30.
- Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,960,909; May 29.
- Isom, Edward W., Scarsdale, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Apparatus for cracking heavy hydrocarbons to produce lighter hydrocarbons. 1,961,692; June 5.
- Isom, Edward W., Scarsdale, N. Y., and E. C. Herthel, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,960,908; May 29.
- Isom, Edward W., Scarsdale, and G. H. Taber, jr., Rye, assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,961,693; June 5.
- Isom, Elizabeth V., Mitchell, Ind. Child's traveling case toilet and chamber therefor. 1,947,940; Feb. 20.
- Isothermos Corporation of America. (See Fruhstorfer, Edgar, assignor.)
- Isothermos Corporation of America. (See Grandjean, Georges, assignor.)
- Israel, Dorman D., Cincinnati, Ohio. Radio receiving circuits. 1,955,130; Apr. 17.
- Israel, Harry, and A. H. Roehr, Dayton, Ohio. Electric insect exterminator. Des. 93,770; Nov. 6.
- Ito, Naiochi, Imazu-Cho, Muko-Gun, Hyogo-Ken, assignor to C. Ohta, Kita-Ku, Osaka, Japan. Hermetic seal for bottles. 1,942,102; Jan. 2.
- Ittner, Martin H., Jersey City, N. J. Making soap. 1,951,511; Mar. 20.
- Ivanoff, Alexander. (See Hodgson, J. L., Howard, and Ivanoff.)
- Ivanoff, Leonid, Helsingfors, and P. O. Björkman, Tainionkoski, Finland. Treating chlorates for blasting purposes and product thereof. Re19,394; Dec. 11.
- Ivemeyer, Jacob, Beardstown, Ill. Brake beam strut. 1,943,271; Jan. 9.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Method and apparatus for shearing. 1,949,717; Mar. 6.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Apparatus for shearing. 1,954,132; Apr. 10.
- Iversen, Lorenz, Pittsburgh, assignor to Mesta Machine Company, Homestead, Pa. Method and apparatus for shearing. 1,956,952; May 1.
- Iversen, Lorenz, Pittsburgh, assignor to Mesta Machine Company, Homestead, Pa. Apparatus for shearing. 1,960,814; May 29.
- Iversen, Poul A. S., Copenhagen, Denmark, assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,950,306; Mar. 6.
- Iverson, Hans P., Bridgeport, Conn. Dial register for telephone numbers. 1,951,022; Mar. 13.
- Iverson, William, Chicago, Ill. Hydraulic clutch. 1,959,533; May 22.
- Ives, Charles Q. (See Williams, C. F., and Ives.)
- Ives, Charles Q., Reading, assignor to Sherman Paper Products Corporation, Newton, Mass. Fabrication of corrugated papers. 1,975,548; Oct. 2.
- Ives, Clifford E. (See Besal, J. A., and Ives.)
- Ives, Clifford E., Chicago, Ill. Traffic signal control system. 1,975,322; Oct. 2.
- Ives, Clifford E., Chicago, Ill. Variable speed drive. 1,983,132; Dec. 4.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for making stereoscopic parallax panoramagrams. 1,960,011; May 22.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Scanning apparatus. 1,964,580; June 26.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical device. 1,969,558; Aug. 7.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,970,310; Aug. 14.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Projection of images for viewing in stereoscopic relief. 1,970,311; Aug. 14.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,970,312; Aug. 14.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photography. 1,970,936; Aug. 21.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photography. 1,985,730; Dec. 25.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photography in natural colors. 1,985,731; Dec. 25.
- Ivey, Armando. (See Estrada, S. Mauri, and Ivey.)
- Ivins, Ellwood, Oak Lane, and H. S. Kircher, Lansdale, Pa. Heat treatment of steel. 1,978,265; Oct. 23.
- Ivins, Harvey L., assignor of one-half to The George W. Grimes Company, Bluffton, Ind. Repairing valves. 1,950,307; Mar. 6.
- Ivins, J. S., Son, Inc. (See Donovan, T. J., jr., assignor.)
- Ivitsky, Andrew, executor. (See Ivitsky, Victor, assignor.)
- Ivitsky, Victor, London, England, deceased; Andrew Ivitsky, executor. Lubricated axle bearing. 1,973,710; Sept. 18.
- Ivor Power Specialty Company. (See Moses, Richard L., assignor.)
- Izan, John L., Brooklyn, N. Y. Basket-ball toy. 1,955,677; Apr. 17.
- Izard, Arthur P., assignor to National Tailoring Company, Chicago, Ill. Advertising card. Des. 94,085; Dec. 18.

- Izard, Emmette F., Elsmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition. 1,943,972; Jan. 16.
- Izard, Emmette F., Elsmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition. 1,947,008; Feb. 13.
- Izawa, Riichiro, Kyoto, Japan. Manufacturing brush handles. 1,983,035; Dec. 4.
- Izumiyama, Kichiro, Shibuya-Machi, Toyotama-gun, Tokyo-fu, Japan. Acoustic wall board. 1,976,282; Oct. 9.
- J. & M. Machine Company, The. (See Mitchell, Courtney N., assignor.)
- Jablons, Benjamin, and R. I. Wagner, assignors to The Chemical Foundation Incorporated, New York, N. Y. Kidney extract for treatment of renal insufficiency. 1,968,605; July 31.
- Jabouley, Joanny, London, England, assignor, by mesne assignments, to Celanese Corporation of America. Apparatus for textile operations. 1,968,041; July 31.
- Jabouley, Joanny, London, England, assignor to Celanese Corporation of America. Textile machinery and appliances relating thereto. 1,985,782; Dec. 25.
- Jaccarino, Concetta, assignor to C. H. D. Robbins Co. Inc., New York, N. Y. Dress. Des. 92,249; May 15.
- Jaccarino, Concetta, assignor to C. H. D. Robbins Co. Inc., New York, N. Y. Ensemble costume. Des. 92,657; July 3.
- Jaccarino, Concetta, assignor to C. H. D. Robbins Co. Inc., New York, N. Y. Dress. Des. 93,107; Aug. 21.
- Jaccarino, Concetta, assignor to C. H. D. Robbins Co. Inc., New York, N. Y. Dress. Des. 93,108; Aug. 21.
- Jaccarino, Concetta, assignor to C. H. D. Robbins Co. Inc., New York, N. Y. Ensemble suit. Des. 93,109; Aug. 21.
- Jachens, John, San Francisco, Calif. Key retainer. 1,942,924; Jan. 9.
- Jack, Arthur C., Pittsburgh, Pa. Garment stretcher. 1,977,066; Oct. 16.
- Jacker, Richard J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Press. 1,975,848; Oct. 9.
- Jacker, Richard J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Press. 1,975,849; Oct. 9.
- Jackes-Evans Manufacturing Company. (See Jackes, S. F., and Pavey, assignors.)
- Jackes, Stanley F., University City, and F. W. Pavey, Sunset Terrace, assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove. Des. 92,250; May 15.
- Jackman, Elmer F., assignor of one-half to J. S. McFeaters, Wilkinsburg, Pa. Cigarette package. 1,959,829; May 22.
- Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite picture. 1,945,193; Jan. 30.
- Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Mounting for a flexible translucent motion picture screen. 1,960,632; May 29.
- Jackman, Fred W., Beverly Hills, Calif., assignor to United Research Corporation, Long Island City, N. Y. Sound accompaniment for composite motion pictures. 1,979,937; Nov. 6.
- Jackman, William W., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Carbureting device. 1,967,711; July 24.
- Jackowski, Hermann, Remscheid, assignor to firm: W. Ferd. Klingelberg Söhne, Remscheid-Berghausen, Germany. Method of and apparatus for lapping gears. 1,966,172; July 10.
- Jackson, Albert S., and C. W. Hale, Alton, Ill., assignors to Owens-Illinois Glass Company. Machine for forming glass articles. 1,959,430; May 22.
- Jackson, Alexander F., West Orange, assignor to Pie Bakeries, Inc., Newark, N. J. Pie trimmer and scaler. 1,977,309; Oct. 16.
- Jackson, Alexander F., Mount Vernon, assignor to U S L Battery Corporation, Niagara Falls, N. Y. Storage battery. 1,983,611; Dec. 11.
- Jackson, Alexis, and O. L. Tennant, assignors to Tennant Hi-Jack Company, Inc., San Francisco, Calif. Lift. 1,949,718; Mar. 6.
- Jackson, Alexis, and O. L. Tennant, assignors to Tennant Hi-Jack Company, Inc., San Francisco, Calif. Lift. 1,949,719; Mar. 6.
- Jackson, Alexis, and O. L. Tennant, assignors to Tennant Hi-Jack Company, Inc., San Francisco, Calif. Lift. 1,956,797; May 1.
- Jackson, Arthur C., et al. (See Hayes, William P., assignor.)
- Jackson Box Company. (See Konkol, Benedict K., assignor.)
- Jackson Byron Co. (See Hollander, Aladar.)
- Jackson, Clarence S., New York, and H. D. Penney, Pelham, assignors to Robert Gair Company, Inc., New York, N. Y. Shutter for automobile radiators. 1,973,078; Sept. 11.
- Jackson, Corwill, Ludington, Mich. Apparatus for working concrete and the like. 1,943,076; Jan. 9.
- Jackson, Corwill, Ludington, Mich. Apparatus for treating concrete and like plastic materials. 1,947,941; Feb. 20.
- Jackson, Daniel D., Brooklyn, assignor to American Machine and Foundry Company, New York, N. Y. Coating metals with lead. 1,950,612; Mar. 13.
- Jackson, Edwin C. (See Howard, K. S., and Jackson.)
- Jackson, Frank W. (See Nacey, H. M., and Jackson.)
- Jackson, George P., Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Finely divided fuel burner. 1,949,277; Feb. 27.
- Jackson, Harold, Garstang, England. Imparting elasticity or strength to paper or fabric. 1,959,956; May 22.
- Jackson, Harvey F., Brooklyn, N. Y. Display stand. Des. 91,826; Mar. 27.
- Jackson, Harvey N., San Diego, Calif. Method and apparatus for X-ray photography. 1,963,702; June 19.
- Jackson, Horace E., and H. W. Brownson, Moseley, Birmingham, England, assignors to Imperial Chemical Industries Limited. Shot gun tracer cartridge. 1,951,794; Mar. 20.
- Jackson, James D., Artarmon, near Sydney, New South Wales, Australia. Cooking stove. 1,980,060; Nov. 6.
- Jackson, Jesse A., Lutherville, Md. Helicopter aircrew. 1,971,820; Aug. 28.
- Jackson, John G., Cleveland, N. Y. Direction indicator. 1,946,424; Feb. 6.
- Jackson, John G., Detroit, Mich. Regulator for electric circuits. 1,966,297; July 10.
- Jackson, John G., assignor to Square D Company, Detroit, Mich. Electric switch construction. 1,950,556; Mar. 13.
- Jackson, John G., assignor to Square D Company, Detroit, Mich. Pressure contact fuse clip. 1,950,557; Mar. 13.
- Jackson, John G., assignor to Square D Company, Detroit, Mich. Positive pressure clip. 1,953,806; Apr. 3.
- Jackson, John G., assignor to Square D Company, Detroit, Mich. Arc suppressor with magnetic feature. 1,955,961; Apr. 24.
- Jackson, John G., and W. T. Allen, assignors to Square D Company, Detroit, Mich. Fuse clip. 1,953,807; Apr. 3.
- Jackson, John G., and C. W. Wolf, assignors to Square D Company, Detroit, Mich. Meter block connector. 1,971,185; Aug. 21.
- Jackson, John H., Needham, Mass. Necktie hanger. 1,981,553; Nov. 20.
- Jackson, John W., Winnetka, Ill. Auto penthouse. 1,984,681; Dec. 18.
- Jackson, Joseph G., Oak Park, assignor to Edward Katzinger Company, Chicago, Ill. Nesting attachment for pan sets. 1,953,935; Apr. 10.
- Jackson, Joseph G., Oak Park, assignor to Edward Katzinger Company, Chicago, Ill. Reinforced baking pan. 1,965,647; July 10.
- Jackson, Joseph G., Oak Park, assignor to Edward Katzinger Company, Chicago, Ill. Making baking pans. 1,965,648; July 10.
- Jackson, Joseph R., Jr., Boston, Mass. Electric elevator. 1,945,502; Jan. 30.
- Jackson, Joseph R., Jr., Boston, Mass. Elevator. 1,957,140; May 1.
- Jackson & Moreland, et al. (See Booth, R. D., Coffin, and Tigges, assignors.)
- Jackson, Ora S., Omaha, Nebr., assignor to Camel Company, Chicago, Ill. Doorframe for cars and the like. 1,949,745; Mar. 6.
- Jackson, Paul S. (See Dumser, L. A., and Jackson.)
- Jackson & Perkins Company. (See de Ruyter, Gerrit, assignor.)
- Jackson & Perkins Company. (See Leenders, Matthias, assignor.)
- Jackson & Perkins Company. (See Lens, Victor, assignor.)
- Jackson & Perkins Company. (See Nicolas, Jean H., assignor.)
- Jackson & Perkins Company. (See Pahissa, Lorenzo, assignor.)
- Jackson, Peter, (Tobacco Manufacturer) Limited. (See Edwards, William M., assignor.)
- Jackson, Ray P., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety device for elevators. 1,955,333; Apr. 17.
- Jackson, Ray P., Berkeley, Calif., assignor to Westinghouse Electric & Manufacturing Company. Flexible drive mechanism. 1,966,246; July 10.
- Jackson, Robert J., Wanganui, New Zealand. Measuring container for powdered and granular substances. 1,980,061; Nov. 6.
- Jackson, Robert W., Evanston, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Portable bar. 1,985,412; Dec. 25.
- Jackson, Roy, assignor to D. Jolkower, New York, N. Y. Dispensing apparatus. 1,944,137; Jan. 16.
- Jackson, Sidney W., assignor to The Permod Company, Cleveland, Ohio. Clamping mechanism for permanent molds. 1,981,596; Nov. 20.
- Jackson, Thomas H., Scranton, Pa. Feathering propeller. 1,981,597; Nov. 20.
- Jackson, Virgil P., Lansing, Mich. Davenport. 1,978,902; Oct. 30.
- Jackson, Walter C., assignor to Tingley-Reliance Rubber Corporation, Rahway, N. J. Fender flap. Des. 93,110; Aug. 21.
- Jackson, Walter C., assignor to Tingley-Reliance Rubber Corporation, Rahway, N. J. Clamp for fender flaps. 1,974,461; Sept. 25.
- Jackson, Walter C., assignor to Tingley-Reliance Rubber Corporation, Rahway, N. J. Cushion and weather strip. 1,979,691; Nov. 6.
- Jackson, William E., Compton, Calif. Tube closure. 1,972,344; Sept. 4.

- Jackson, William H., Flushing, N. Y. Dispensing carton. 1,956,238; Apr. 24.
- Jackson, William S. (See Hart, Charles, assignor.)
- Jackson, William S., Bala Cynwyd, Pa. Rail joint and treating same. 1,967,509; July 24.
- Jackson, William S., Walpole, assignor to Bird & Son, Inc., East Walpole, Mass. Paper box. 1,956,124; Apr. 24.
- Jacob, Elfriede, geb. Schulze, Leipzig, Germany. Brassiere. 1,961,048; May 29.
- Jacob, Heinrich, Berlin-Friedenau, assignor to the firm Zeiss Jkon Aktiengesellschaft Goerz-Werk, Zehlendorf, near Berlin, Germany. Meter. 1,966,981; July 17.
- Jacob, John B., assignor to Universal Oil Products Company, Chicago Ill. Hydrocarbon oil conversion. 1,954,133; Apr. 10.
- Jacob, Max, assignor to Anker-Werke Aktiengesellschaft, Bielefeld, Germany. Check printing mechanism for cash registers. 1,978,535; Oct. 30.
- Jacob, Thomas H., Wausau, Wis. Axle. 1,972,564; Sept. 4.
- Jacob, Thomas H., Wausau, Wis. Trailer hitch. 1,977,065; Oct. 16.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,941,555; Jan. 2.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,945,779; Feb. 6.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,951,418; Mar. 20.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Window regulator. 1,951,419; Mar. 20.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,954,209; Apr. 10.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Compartment lock. 1,965,939; July 10.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,965,940; July 10.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,965,941; July 10.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,965,942; July 10.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,969,010; Aug. 7.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,969,011; Aug. 7.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,969,012; Aug. 7.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Die-cast threaded object. 1,973,170; Sept. 11.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,979,938; Nov. 6.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tumbler lock and fitting the same to a predetermined key change. 1,979,939; Nov. 6.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,982,813; Dec. 4.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,982,956; Dec. 4.
- Jacobi, Millard W. (See Heise, A. C., and Jacobi.)
- Jacobi, William H., Keokuk, Iowa, assignor to Springfield Boiler Co., Springfield, Ohio. Furnace peep sight. 1,973,171; Sept. 11.
- Jacobs, Bertha. (See Sollar, Max, assignor.)
- Jacobs Bros. Co. Inc., The. (See Walker, Harold L., assignor.)
- Jacobs Bros. Co., The. (See Weiss, Joseph J., assignor.)
- Jacobs, Charles F., Brooklyn, N. Y. Electrical separator. 1,950,179; Mar. 6.
- Jacobs, Charles T. (See Meissner, B. F., and Jacobs.)
- Jacobs, Clarence E., Detroit, assignor to Industrial Wire Cloth Products Corporation, Wayne, Mich. Oil pump. 1,956,865; May 1.
- Jacobs, Edward, New York, N. Y. Receptacle for carbonating and dispensing liquids. 1,979,390; Nov. 6.
- Jacobs, Ernest H., River Forest, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Locking switch. 1,966,894; July 17.
- Jacobs, Ferdinand. (See Shiraeff, D. A., and Jacobs.)
- Jacobs, George H. (See Bowyer, W. W., and Jacobs.)
- Jacobs, Harold F., Brooklyn, N. Y. Miniature baseball game. 1,942,429; Jan. 9.
- Jacobs, Harry M., Scotia, N. Y., assignor to General Electric Company. Electrical power equipment. 1,948,351; Feb. 20.
- Jacobs, Henry J., Buffalo, N. Y. Upholstery edge roll and making same. 1,960,585; May 29.
- Jacobs, Hiram A. (See Siegel, A. L., and Jacobs.)
- Jacobs, Isadore, Chicago, Ill. Nonslip hat holder. 1,965,773; July 10.
- Jacobs Manufacturing Company, The. (See Stoner, Arthur M., assignor.)
- Jacobs, Nicholas M., Harlan, Iowa. Fencing tool. 1,966,298; July 10.
- Jacobs, Oliver B., Morristown, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 1,984,066; Dec. 11.
- Jacobs, Rex C., Detroit, Mich. Glare shield. 1,981,702; Nov. 20.
- Jacobs, Samuel S., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Packing stand. 1,948,522; Feb. 27.
- Jacobs, Sol, Elmwood Park, Ill., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Beverage dispenser. Des. 94,032; Dec. 11.
- Jacobsen, Edwin, Los Angeles, Calif. Casing for a duplicating machine. Des. 91,523; Feb. 20.
- Jacobsen, Edwin, Los Angeles, Calif. Mechanical movement. 1,951,756; Mar. 20.
- Jacobsen, Edwin, Los Angeles, Calif. Registering device for duplicating machines. 1,951,757; Mar. 20.
- Jacobsen, Edwin, and I. P. Simonsen, assignors to M. M. Harding, Los Angeles, Calif. Interleaving machine. 1,972,070; Aug. 28.
- Jacobsen, Jens N., assignor to The Pfaunder Co., Rochester, N. Y. Treating liquids. 1,960,012; May 22.
- Jacobsen, Jens N., assignor to The Pfaunder Co., Rochester, N. Y. Treating liquids. 1,973,531; Sept. 11.
- Jacobsen, Knud F., assignor to Jacobsen Manufacturing Co., Racine, Wis. Auxiliary cutter for power driven lawn mowers. 1,943,675; Jan. 16.
- Jacobsen, Manufacturing Co. (See Jacobsen, Knud F., assignor.)
- Jacobsen, Oystein, Dayton, Ohio, assignor to Duriron Company, Inc. Centrifugal pump. 1,946,212; Feb. 6.
- Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Suction cover for centrifugal pumps. 1,949,474; Mar. 6.
- Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Circulating steam jet. 1,960,013; May 22.
- Jacobsohn, Maurice B., et al. (See Friend, Herman, assignor.)
- Jacobson, Arthur G., assignor to The Miehle Printing Press & Mfg. Company, Chicago, Ill. Sheet handling mechanism. 1,970,235; Aug. 14.
- Jacobson, Bernard H., Charleston, W. Va., assignor, by mesne assignments, to The Calco Chemical Company, Inc., Bound Brook, N. J. Manufacture of acyl-benzoic acid compounds. 1,942,480; Jan. 9.
- Jacobson, Bernard H., Charleston, W. Va., assignor to Klipstein Chemical Processes, Inc., Newark, N. J. Apparatus for treating metal. 1,952,594; Mar. 27.
- Jacobson, Bernard H., Charleston, W. Va., assignor to Klipstein Chemical Processes, Inc., Newark, N. J. Treating metal. 1,953,936; Apr. 10.
- Jacobson, Carl A. (See Westerling, A. B., and Jacobson.)
- Jacobson & Co. (See Jacobson, Victor, assignor.)
- Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y. Apparatus for extruding metals. 1,972,684; Sept. 4.
- Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y. Weldless cable sheath extrusion apparatus. 1,972,709; Sept. 4.
- Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y. Self-charging cable sheath extrusion apparatus. 1,972,710; Sept. 4.
- Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y. Weldless die block for extrusion presses and extruding. 1,983,761; Dec. 11.
- Jacobson, Conrad C., Glen Ridge, N. J., and J. Schweder, assignors to John Robertson Co., Inc., Brooklyn, N. Y. Hydraulic reversing valve. 1,971,187; Aug. 21.
- Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Gas purification. 1,983,375; Dec. 4.
- Jacobson, Elmer C., assignor to Huron Portland Cement Company, Detroit, Mich. Tank level indicator. 1,951,980; Mar. 20.
- Jacobson, Emanuel, New York, N. Y. Changeable head. 1,942,370; Jan. 2.
- Jacobson, Ernest Axel, New Sweden, Maine. Doorlatch. 1,956,098; Apr. 24.
- Jacobson, George E. (See Gebhard, L. A., and Jacobson.)
- Jacobson, Harry J., Chicago, Ill. Fillet forming and applying device. 1,959,628; May 22.
- Jacobson, Irving E., Portland, Oreg. Handle and core for frozen confections. 1,984,799; Dec. 18.
- Jacobson, Ludwig G., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Sliding closure. 1,977,726; Oct. 23.
- Jacobson, Nathan D., San Francisco, Calif. Sprinkler. 1,962,308; June 12.
- Jacobson, Parker A., Winona, Minn. Sausage-linking machine. 1,966,552; July 17.
- Jacobson, Peter G., assignor to Reliance Die & Stamping Co., Chicago, Ill. Condenser. 1,980,485; Nov. 13.
- Jacobson, Ralph A. (See Carothers, W. H., Berchet, and Jacobson.)
- Jacobson, Ralph A. (See Carothers, W. H., and Jacobson.)
- Jacobson, Ralph A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Formaldehyde condensation product. 1,945,315; Jan. 30.
- Jacobson, Ralph A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogen-substituted chemical compounds and preparing same. 1,950,440; Mar. 13.
- Jacobson, Ralph A., Ardentown, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogen-vinyl acetylene and preparing same. 1,967,864; July 24.
- Jacobson, Victor, New Rochelle, assignor to Jacobson & Co., New York, N. Y. Acoustic tile. 1,953,410; Apr. 3.
- Jacobson, Victor, New Rochelle, assignor to Jacobson & Co., New York, N. Y. Structural element. 1,972,592; Sept. 4.

- Jacobus, Alvah B., Oak Park, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighing scales for concrete aggregates. 1,985,542; Dec. 25.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heating apparatus. 1,942,170; Jan. 2.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler with furnace wall tubes. 1,959,866; May 22.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Marine type series boiler. 1,961,222; June 5.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Process and apparatus for cleaning steam from a steam boiler. 1,965,595; July 10.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and its furnace. 1,979,884; Nov. 6.
- Jacobus, David S., Montclair, and J. E. Black, Rumson, assignors to The Babcock and Wilcox Company, Bayonne, N. J. Radiant heat superheater. 1,945,548; Feb. 6.
- Jacobus, Nelson L., Hempstead, assignor to Nelson Lee Jacobus, Inc., Hempstead Gardens, Long Island, N. Y. Portable hothouse. 1,942,477; Jan. 9.
- Jacobus, Nelson Lee, Inc. (See Jacobus, Nelson L., assignor.)
- Jacobus, Richard A., Upper Montclair, N. J., assignor to Radio Corporation of America. Grid electrode. 1,964,761; July 3.
- Jacoby, Rosalie S. (See Schmiett, Ferdinand, assignor.)
- Jacocks, George T., Larchmont, N. Y. Fin radiator. 1,950,112; Mar. 6.
- Jacocks, George T., Larchmont, J. L. Krieg, Hollis, N. Y., and S. J. Chute, Ridgewood, N. J., assignors to Alco Products Incorporated, New York, N. Y. Heat exchanger. 1,969,135; Aug. 7.
- Jacquet, Philibert J., Champagne au Mont d'Or, France, assignor to Du Pont Rayon Company, New York, N. Y. Producing multicolored threads. 1,975,153; Oct. 2.
- Jaden, Fred I., Hastings, Nebr. Blower for hot air furnaces. 1,945,223; Jan. 30.
- Jaden, Fred I., and A. B. Arnold, Hastings, Nebr. Attachment for air lines. 1,982,519; Nov. 27.
- Jadkowski, John, Philadelphia, Pa. Bathtub. 1,962,076; June 5.
- Jaedicke, Friedrich, Berlin-Schmargendorf, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany. Signal lamp. 1,951,244; Mar. 13.
- Jaeger, Alphons O. (See Daniels, L. C., and Jaeger.)
- Jaeger, Alphons O. (See Fiedler, F. P., and Jaeger.)
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Plastic or coating compositions. 1,941,474; Jan. 2.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Motor fuel. 1,941,689; Jan. 2.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,942,817; Jan. 9.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Oxidation of mononuclear aromatic hydrocarbons. 1,945,354; Jan. 30.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Contact sulphuric acid process. 1,945,811; Feb. 6.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,945,812; Feb. 6.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Purification of by-product ammonia. 1,953,938; Apr. 10.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Production of monocarboxylic acids and their derivatives. 1,956,718; May 1.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Candle. 1,959,164; May 15.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Production of monocarboxylic acids and their derivatives. 1,961,150; June 5.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Sulphonated condensation product of carbohydrates with hydrocarbons and aldehydes. 1,961,151; June 5.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Colored cellulosic composition. 1,962,774; June 12.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Production of monocarboxylic acids and their derivatives. 1,966,067; July 10.
- Jaeger, Alphons O., Mt. Lebanon, assignor to The Selden Company, Pittsburgh, Pa. Effecting catalytic reactions. 1,972,937; Sept. 11.
- Jaeger, Alphons O., Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Separation of carbazole from anthracene. 1,978,580; Oct. 30.
- Jaeger, Alphons O., Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Plasticizer. 1,978,710; Oct. 30.
- Jaeger, Alphons O., Crafton, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Catalytic oxidation of organic compounds. 1,941,688; Jan. 2.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,945,353; Jan. 30.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Production of monocarboxylic acids and their derivatives. 1,953,231; Apr. 3.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Production of monocarboxylic acids and their derivatives. 1,953,232; Apr. 3.
- Jaeger, Alphons O., Crafton, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Purification of phthalic anhydride. 1,953,937; Apr. 10.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Production of monocarboxylic acids. 1,964,516; June 26.
- Jaeger, Alphons O., Mount Lebanon, and H. W. Witzel, Ingram, assignors to The Selden Company, Pittsburgh, Pa. Bleached condensation product of carbohydrates and crude hydrocarbons. 1,941,475; Jan. 2.
- Jaeger, Alphons O., Mount Lebanon, and L. C. Daniels, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Purification of organic acids. 1,943,892; Jan. 16.
- Jaeger, Alphons O., Mount Lebanon, and L. C. Daniels, Crafton, assignors, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Manufacture of phthalimide. 1,966,068; July 10.
- Jaeger, Alphons O., Mount Lebanon, and L. C. Daniels, Crafton, assignors, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Manufacture of phthalimide. 1,968,253; July 31.
- Jaeger, Alphons O., Mount Lebanon, and L. C. Daniels, Crafton, Pa., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation. Production of alkylaryl carboxylic acids. 1,981,360; Nov. 20.
- Jaeger, Edward T., Rockville Center, assignor to Oneida Paper Products Incorporated, Brooklyn, N. Y. Paper manufacturing machine. 1,947,205; Feb. 13.
- Jaeger, Emil. (See Klemm, Willy, assignor.)
- Jaeger, Gebhard. (See Wayer, H., and Jaeger.)
- Jaeger, Gebhard, Columbus, Ohio. Valve protector for gas containers. 1,948,966; Feb. 27.
- Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Truck concrete mixer. Re19,085; Feb. 13.
- Jaeger, Gebhard, assignor to The Jaeger-Machine Company, Columbus, Ohio. Method and apparatus for building roads. 1,967,178; July 17.
- Jaeger, Gebhard, and J. Eggert, assignors to The Jaeger Machine Company, Columbus, Ohio. Metering and closure locking means for concrete mixers. 1,948,715; Feb. 27.
- Jaeger, Gustav. (See Zisch, W., and Jaeger.)
- Jaeger Machine Company, The. (See Eggert, Joseph, assignor.)
- Jaeger Machine Company, The. (See Gardiner, Lion, assignor.)
- Jaeger Machine Company, The. (See Jaeger, Gebhard, assignor.)
- Jaeger Machine Company, The. (See Jaeger, G., and Eggert, assignors.)
- Jaeger Machine Company, The. (See Mandt, Obert G., assignor.)
- Jaeger Machine Company. (See Saxe, Arthur C., assignor.)
- Jaeger, Max, and H. Espig, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Synthetic precious stone. 1,952,255; Mar. 27.
- Jaeger, Max, and H. Espig, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Synthetic precious stone. 1,952,256; Mar. 27.
- Jaeger Watch Co. Inc. (See Vail, Edgar L., assignor.)
- Jaegly, Joseph L. (See Dorn, C. J., and Jaegly.)
- Jaehnigen, George, and R. E. L. Lamb, Atlanta, Ga. Advertising sign. Des. 91,827; Mar. 27.
- Jaffe, Harry, assignor to Sears, Roebuck and Co., Chicago, Ill. Radiator. 1,956,617; May 1.
- Jaffe, Harry, assignor to G. C. Bull, Chicago, Ill. Radiator construction. 1,963,906; June 19.
- Jaffe, Harry, assignor to Sears, Roebuck, and Co., Chicago, Ill. Automobile heater and motor cooler. 1,968,522; July 31.
- Jaffé, William E. B., Chelsea, London, England. Machine for facilitating the stringing of lawn tennis and like rackets. 1,945,043; Jan. 30.
- Jäger, Carl H., Elberfeld, Germany. Window forming machine. 1,969,610; Aug. 7.
- Jaeger, William, Glendale, Long Island, assignor to Curt Wolfelt, Inc., Brooklyn, N. Y. Shoe. Des. 91,941; Apr. 10.
- Jagger, Hubert, assignor to Ditto, Incorporated, Chicago, Ill. Conyng machine. 1,955,499; Apr. 17.
- Jagger, Hubert, assignor to Ditto, Incorporated, Chicago, Ill. Duplicator feeder. 1,960,490; May 29.
- Jaslowicz, Joseph B., Louisville, Ky. Coaster toy. 1,981,317; Nov. 20.
- Jasmin, Adolph, Cicero, Ill. Fuel gas generator. 1,980,802; Nov. 13.

- Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Separating and purifying means for the sealing liquid of waterless gas holders. 1,956,352; Apr. 24.
- Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Apparatus for heating the contents of the bottom cup of a gas holder. 1,959,534; May 22.
- Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Device for supplying a greasy packing substance to the tightening spaces of dry gas holders. 1,967,576; July 24.
- Jähle, Carl V., Katrineholm, Sweden. Molding machine. 1,955,500; Apr. 17.
- Jahn, B., Manufacturing Company, The. (See Kabl, Ernest E., assignor.)
- Jahn, John, et al. (See Engberg, Thaddeus R., assignor.)
- Jahncke, Paul F. (See Milkowski, V. J., and Jahncke.)
- Jähne, Ernst H., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Machine for folding paper bags. 1,976,259; Oct. 9.
- Jahraus, Harold A., assignor to Swayne, Robinson, & Company, Richmond, Ind. Speed changer. 1,958,756; May 15.
- Jahrstorfer, Michael. (See Pungs, W., and Jahrstorfer.)
- Jahrstorfer, Michael. (See Pungs, W., Jahrstorfer, and Hellthaler.)
- Jahrstorfer, Michael, and H. G. Hummel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Derivative of montane. 1,948,299; Feb. 20.
- Jaite-Grant Display Bag Company, The. (See Grant, Richard S., assignor.)
- Jaite, Roy W., Lakewood, Ohio. Machine for making paper bags. 1,947,396; Feb. 13.
- Jakala, Stanislaw, Chicago, Ill. Sanitary device. 1,982,520; Nov. 27.
- Jaklin, Hans, assignor of one half to O. Frostig, Vienna, Austria. Steel framework for walls, ceilings, roofs, and the like. 1,952,807; Mar. 27.
- Jakobson, Julius, assignor to the firm of W. R. Kragenfabrik G. m. b. H., Berlin-Lichtenberg, Germany. Stamped collar. 1,972,401; Sept. 4.
- Jakopec, George. (See Sharran, S., and Jakopec.)
- Jakosky, John J., Los Angeles, Calif., assignor, by mesne assignments, to J. W. MacClatchie, doing business as MacClatchie Manufacturing Co., Compton, Calif. Apparatus for detecting excessive deviation of drill holes. 1,963,090; June 19.
- Jakosky, John J., assignor to Electroblacks Incorporated, Culver City, Calif. Electrothermal dissociation of organic liquids. 1,965,925; July 10.
- Jakoubek, Frank J., Elmwood Park, assignor to Templeton, Kenly & Co., Limited, Chicago, Ill. Tie spacing device. 1,955,548; Apr. 17.
- Jakoubek, Frank J., Elmwood Park, Ill., assignor to Brainard Steel Corporation, Warren, Ohio. Band tightening device. 1,979,555; Nov. 6.
- James, Alfion. (See James, John C., assignor.)
- James, Arthur E., Auburn, R. I. Approach plate for bowling alleys. 1,961,765; June 5.
- James, Charles, New York, N. Y. Scarf or similar article. Des. 92,603; June 26.
- James, Charles, deceased. Durham, N. H.; M. E. James, executrix, assignor to Skinner & Sherman, Inc., Boston, Mass. Treatment of beryllium-bearing ores. 1,982,873; Dec. 4.
- James, Enoch R. (See James, Lee G., H. E., and E. R.)
- James, Harry E. (See James, Lee G., H. E., and E. R.)
- James, Henry C., and E. J. Heavers, assignor to Addison Miller, Incorporated, St. Paul, Minn. Rail chamfering machine. 1,974,141; Sept. 18.
- James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuitous elevator. 1,943,119; Jan. 9.
- James, Henry D., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Plugging and accelerating control. 1,976,614; Oct. 9.
- James, Henry D., Edgewood, and H. E. White, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuitous elevator. 1,971,072; Aug. 21.
- James's, Inc. (See James, Lee G., H. E., and E. R., assignors.)
- James, John B., Union, S. C. Picker stick motion transmitting device. 1,965,343; July 3.
- James, John C., Melrose Park, Ill., assignor to A. James, Rack. 1,968,399; July 31.
- James, John W., Jefferson, Iowa. Electric plug. 1,976,501; Oct. 9.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Fractioning partial oxidation products. 1,948,817; Feb. 27.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, Sewickley, Pa. Separating or extracting bodies from partial oxidation products. 1,970,535; Aug. 14.
- James, Kenneth B., Cuyahoga Falls, Ohio, assignor to Winfoot Corporation, Wilmington, Del. Tire. Des. 91,322; Jan. 9.
- James, Lee G., H. E., and E. R., assignors to James', Inc., Atlantic City, N. J. Manufacturing candy. 1,949,835; Mar. 6.
- James, Lester E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing treating machines. 1,945,640; Feb. 6.
- James Manufacturing Company. (See Kreutzer, Frederic J., assignor.)
- James Manufacturing Company. (See Shodron, John G., assignor.)
- James Manufacturing Company. (See Shodron, J. G., Olson, and Wanschneider, assignors.)
- James, Marion E., executrix. (See James, Charles.)
- James, Maxwell. (See Jones, Lester L., assignor.)
- James, Nephanus E., et al. (See Clayton, William F., assignor.)
- James River Paper Products, Inc. (See Haskell, Howze, assignor.)
- James, Robert G. (See Murphy, E. A., and James.)
- James, Robert G. (See Murphy, E. A., Twiss, and James.)
- James, Robert G. (See Twiss, D. F., Murphy, and James.)
- James, Thomas R., assignor to General Mills, Inc., Minneapolis, Minn. Producing wheat germ in whole and unflattened state. 1,981,318; Nov. 20.
- James, Virgil E., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Tone generator. 1,956,353; Apr. 24.
- James, William E., et al. (See Clayton, William F., assignor.)
- James, William M., Excelsior, Minn. Blown fuse signal. 1,970,007; Aug. 14.
- James, William S., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Free-wheeling clutch throwout device. 1,969,648; Aug. 7.
- Jameson, Eloise, Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Pectin product and producing same. Re19,197; June 5.
- Jameson, Eloise, Corona, and C. P. Wilson, Ontario, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Food product and producing the same. 1,977,945; Oct. 23.
- Jameson, Joseph L. (See Edwards, W. M., Jearum, and Jameson.)
- Jameson, Joseph L., Cheam, England. Mechanical means for mixing lubricant with the fuel of supercharged engines. 1,960,155; May 22.
- Jameson, Joseph L., Cheam, England. Cylinders of two stroke internal combustion engines. 1,977,557; Oct. 16.
- Jameson, Reuben M. (See Fantone, C. B., and Jameson.)
- Jameson, Thomas, Newark, N. J., assignor to The Gilchrist Company. Dispenser. 1,965,741; July 10.
- Jamestown Metal Desk Company. (See Hanson, Rudolph L., assignor.)
- Jamestown Metal Equipment Company. (See Foster, Fred L., assignor.)
- Jamestown Metal Equipment Company. (See Woodin, Walter F., assignor.)
- Jamias, Filomeno, Chicago, Ill. Cooking utensil. 1,943,973; Jan. 16.
- Jamison, John K., Monessen, Pa., assignor to Hamilton Standard Propeller Company, Hartford, Conn. Tapering tubes. 1,982,874; Dec. 4.
- Jamison, Margaret A., et al. (See Cody, John P., assignor.)
- Jamison, Martha A., et al. (See Cody, John P., assignor.)
- Jamison, Robert H., Cleveland Heights, assignor to The Stay-On Manufacturing Company, Cleveland, Ohio. Receptacle cover. 1,961,223; June 5.
- Jamison, Thomas J., Munhall, Pa. Rabbling device. 1,942,553; Jan. 9.
- Jammé, Zia H., Chicago, assignor to Victor Casket Hardware Company, Galesburg, Ill. Combined casket lug and handle. Des. 92,964; Aug. 7.
- Jammé, Zia H., Chicago, assignor to Victor Casket Hardware Co., Galesburg, Ill. Corner plate for caskets. Des. 93,020; Aug. 14.
- Janak, William J., Chicago, Ill. Prepared nut and preparing same. 1,968,254; July 31.
- Janca, Joseph J., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Lubricating device. 1,954,245; Apr. 10.
- Janca, Joseph J., jr., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Motor centrifugal cut-out switch. 1,964,581; June 26.
- Janca, Joseph J., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Single phase induction motor. 1,969,981; Aug. 14.
- Janchan, Nicholas, West Allis, Wis. Scrubbing machine. 1,941,690; Jan. 2.
- Janda, Rudolph W., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Clutch. 1,980,757; Nov. 13.
- Jander, Hans, Berlin, Germany. Regulating device for an automatic automobile clutch. 1,972,446; Sept. 4.
- Jander, Hans, assignor to Knorr-Bremse Aktiengesellschaft, Berlin, Germany. Power operated mechanism. 1,976,402; Oct. 9.
- Jandus, Herbert S. (See Short, B. M., and Jandus.)
- Jandus, Herbert S., assignor to General Spring Bumper Corporation, Detroit, Mich. End connection for bumpers. 1,953,050; Mar. 27.
- Jandus, Herbert S., assignor to Lyon Cover Company, Detroit, Mich. Tire cover and lock. 1,975,948; Oct. 9.
- Jandus, Herbert S., assignor to Lyon Cover Company, Detroit, Mich. Tire cover. 1,985,413; Dec. 25.
- Janer, Andre, Flushing, assignor to The A. J. & K. Company, Incorporated, New York, N. Y. Cream dispenser. 1,968,686; July 31.
- James, Edmund D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Separable snap fastener socket. 1,942,171; Jan. 2.

- Janette, John T., Kenilworth, Ill. Combined pump and valve. 1,955,549; Apr. 17.
- Janeway, Price W., Jr., Media, assignor to The United Gas Improvement Company, Philadelphia, Pa. Manufacture of gas by the admission of high carbon oil to generator during blow run. 1,971,717; Aug. 28.
- Janeway, Price W., Jr., Media, assignor to The United Gas Improvement Company, Philadelphia, Pa. Bolted pipe joint. 1,980,062; Nov. 6.
- Janeway, Robert N., assignor to Chrysler Corporation, Detroit, Mich. Combustion chamber for internal combustion engines. 1,971,913; Aug. 28.
- Janik, Eduard, Vienna, Austria. Adjusting mechanism for variable speed gears. 1,959,476; May 22.
- Janik, John J., Niagara Falls, N. Y. Toothbrush. 1,948,233; Feb. 20.
- Janisch, Bride. (See Janisch, Maximilian P., assignor.)
- Janisch, Leopold, Berlin, Germany, assignor to General Electric Company. Regenerative braking. 1,976,562; Oct. 9.
- Janisch, Maximilian P., assignor to one-half to B. Janisch, Milwaukee, Wis. Device for relighting gas ranges. 1,979,468; Nov. 6.
- Janiszewski, Kasimir, assignor to Superior Tool and Die Company, Milwaukee, Wis. Work holding device. 1,951,869; Mar. 20.
- Jannek, Josef. (See Engel, H., and Jannek.)
- Jannek, Josef. (See Grimm, H. G., and Jannek.)
- Janney, Thomas A. (See Martin, H. S., and Janney.)
- Janovitch, Eugene, Astoria, assignor of one-half to E. G. Strobach, New York, N. Y. Electric testing device. 1,974,725; Sept. 18.
- Jan Saal, Reyerus N. (See Buchel, J. A., and Jan Saal.)
- Jansen, Agnese C., administratrix. (See Jansen, Ernest D.)
- Jansen, Emile. (See Boylan, D. W., Kramer, and Jansen.)
- Jansen, Ernest D., deceased, by A. C. Jansen, administratrix, assignor to Draw-Trim Corporation of America, Albany, N. Y. Poultry-dressing machine. 1,943,077; Jan. 9.
- Jansky, Charles G., Berwyn, assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Golf club. 1,980,408; Nov. 13.
- Janson, Axel, assignor to A. D. Smith Corporation, Milwaukee, Wis. Conveyor truck loader. 1,941,936; Jan. 2.
- Janson, George W., Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Signaling system. 1,954,626; Apr. 10.
- Janson, Joseph B., and C. J. Coen, Excelsior Springs, Mo. Massager. 1,950,248; Mar. 6.
- Janssen, Guido, Charlottenburg, Germany. Building and construction for underground railroads. 1,948,114; Feb. 20.
- Janssen, Guido, Charlottenburg, Berlin, Germany. Sheet metal piling unit. 1,951,152; Mar. 13.
- Janssen, Henry, Wyomissing, Pa. Combined calendar and penholder. Des. 94,086; Dec. 18.
- Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 1,955,718; Apr. 17.
- Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Yarn package rack. 1,966,247; July 10.
- Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Braiding machine. 1,978,086; Oct. 23.
- Janssen, Niels B., Kansas City, Mo. Torsional shock absorber. 1,956,798; May 1.
- Janssens, Peter A., Chicago, Ill. Cake drier. 1,958,480; May 15.
- Janssens, Peter A., Chicago, Ill. Cake drier. 1,979,940; Nov. 6.
- Jantzen, Ernst, and H. Schmalfuss, Hamburg, Germany. Foam separator for fermentation plants and the like. 1,967,938; July 24.
- Jantzen Knitting Mills. (See Bergh, Philip, assignor.)
- Janus, Bernard, Sarnia, Ontario, Canada. Radiator cleaning apparatus. 1,983,084; Dec. 4.
- Janzen, Frank A. (See Sawatzky, Henry S., assignor.)
- Janzen, Frank A., and H. S. Sawatzky, Newton, Kans. Signal device for fishermen. 1,964,949; July 3.
- Janzen, Otto, Berlin, Germany. Synchronous motor. 1,984,929; Dec. 18.
- Jaquith, William K. (See Burrows, Robert W., assignor.)
- Jaquith, William K., Petaluma, Calif. Egg cushion. 1,948,986; Feb. 27.
- Jardine, Charles, assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Pressure actuated switch. 1,951,245; Mar. 13.
- Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, trustee, Cleveland, Ohio. Piston. 1,944,934; Jan. 30.
- Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, trustee, Cleveland, Ohio. Piston. 1,944,935; Jan. 30.
- Jardine, Robert, Detroit, Mich. assignor to Wilcox-Rich Corporation. Oil cooled valve. 1,953,611; Apr. 3.
- Jareckie, Eugene A. (See Petersen, A. E., and Jareckie.)
- Jarrett, Brooke L. (See Jenkins, Clarence E., assignor.)
- Jarrett, Walter J. (See Grange, Leo O., assignor.)
- Jarrier, René, Saint-Quentin, France, assignor to Bartlett Arkell, New York, N. Y. Bag. 1,967,712; July 24.
- Jarvis, Charles A., Grand Rapids, Mich. Paper roll holder. 1,953,349; Apr. 3.
- Jarvis, Charles H., assignor to United Steel & Wire Company, Battle Creek, Mich. Crate. 1,955,236; Apr. 17.
- Jarvis, Charles H., assignor to United Steel and Wire Company, Battle Creek, Mich. Nozzle. 1,974,276; Sept. 18.
- Jarvis, Chas. L., Company. (See Wezel, Walter P., assignor.)
- Jarvis, Walter D. (See Marks, H. E., and Jarvis.)
- Jary, Roland E., Fort Worth, Tex. Football. Des. 92,721; July 10.
- Jasmatzi, Anton. (See Lejeune, Franz, assignor.)
- Jasper, Tobias G., Brooklyn, N. Y. Pressing machine. 1,961,611; June 5.
- Jasperson, Nickolas, Oshkosh, Wis. Automatic humidifier. 1,967,824; July 24.
- Jasperson, Robert E. (See MacFarlane, S. B., and Jasperson.)
- Jassen, Bern, Brooklyn, N. Y. Removable shoe heel and lift. 1,948,967; Feb. 27.
- Jatlow, Jacob L. (See Crouse, G. B., and Jatlow.)
- Jauch, Robert J., and R. H. Arnold, assignors to Wayne Company, Fort Wayne, Ind. Lift. 1,985,732; Dec. 25.
- Jauemann, Andreas. (See Arzmaier, A., and Jauemann.)
- Jauemann, Andreas, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric wave filter. 1,959,131; May 15.
- Jauemann, Andreas, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Power transformer for radio-frequency work having a broad transmission range. 1,965,649; July 10.
- Jauvert, Pierre M., Bois Colombes, assignor, by mesne assignments, to Geo. M. Cressaty, Paris, France. Thermostat controlling temperature for central heating systems. 1,945,745; Feb. 6.
- Javery, Frank B., assignor to Warp Compressing Machine Company, Worcester, Mass. Spindle mounting for creels. 1,961,694; June 5.
- Jaworowski, Joseph F., Cleveland, Ohio. Pressure control device. 1,962,740; June 12.
- Jaworowski, Joseph F., assignor of twenty-five per cent to S. E. Dettelbach and twenty-five per cent to Sam Emerson, Cleveland, Ohio. Rotary engine. 1,974,111; Sept. 18.
- Jaxheimer, William H. (See Drum, G. E., and Jaxheimer.)
- Jay, Webb, Miami Beach, Fla. Apparatus for dispensing and lighting cigarettes. 1,974,462; Sept. 25.
- Jay-Dee Manufacturing Co. (See Campbell, John D., assignor.)
- Jayne, David W., jr. (See Christmann, L. J., and Jayne.)
- Jaynes, Isaac M., Jackson, Tenn. Bathing machine. 1,965,774; July 10.
- Jazwieck, Joseph J., Columbus, Nebr. Gauge. 1,967,618; July 24.
- Jean, Charles W., New York, N. Y. Copying machine. 1,983,133; Dec. 4.
- Jeanneret, Max, Bern, Switzerland. Shooting spectacle. 1,985,170; Dec. 18.
- Jeanprost, Charles. (See Austerweil, G., and Jeanprost.)
- Jeanson, Auguste M., Etrelles, France. Hay gathering and trussing machine. 1,959,676; May 22.
- Jearum, Frederick C. (See Edwards, W. M., Jearum, and Jameson.)
- Jeavons, William E. (See Rentschler, Mahlon J., assignor.)
- Jeavons, William R., Cleveland Heights, and M. J. Rentschler, Willoughby, Ohio. Apparatus for producing solutions. 1,978,536; Oct. 30.
- Jeavons, William R., Cleveland Heights, and M. J. Rentschler, Willoughby, Ohio. Refining metals. 1,978,537; Oct. 30.
- Ject-In Limited. (See Kauzal, Gabriel P., assignor.)
- Jedlicka, Anton G., Minneapolis, assignor to Hancock-Nelson Mercantile Company, St. Paul, Minn. Jar cap. 1,978,635; Oct. 30.
- Jeffcott, Robert C., Somerville, assignor to Calco Chemical Company, Inc., Bound Brook, N. J. Apparatus for use in the catalytic oxidation of gases. 1,949,122; Feb. 27.
- Jeffers, Earl W. (See Francis, L. M., Jeffers, and Fader.)
- Jefferson Electric Company. (See Daley, James C., assignor.)
- Jefferson Electric Company. (See Daley, J. C., and Goddard, assignors.)
- Jefferson, Frank A., Jacksonville, Fla. Oil stove wick. 1,981,107; Nov. 20.
- Jefferson, Glenn V., Swissvale, Pa. Game board. 1,942,291; Jan. 2.
- Jefferson, Harold F., Rugby, and R. D. Given, Leamington, England, assignors to General Electric Company. Electric motor control. 1,967,090; July 17.
- Jefferson, Olive C. (See Coffed, Earl J., assignor.)
- Jeffery Dewitt Insulator Company. (See Stinson, William L., assignor.)
- Jeffery, Harold L., Fort Thomas, and C. D. Ryder, Covington, assignors to The National Colortype Company, Bellevue, Ky. Light reflecting device. 1,959,055; May 15.
- Jeffery, Oscar W., et al. (See Thomas, John W., assignor.)
- Jeffrey, M. L., Corporation, The. (See Eickhoff, Theodore H., assignor.)
- Jeffrey Manufacturing Company, The. (See Armstrong, Walter J., assignor.)
- Jeffrey Manufacturing Company, The. (See Francis, Earle V., assignor.)
- Jeffrey Manufacturing Company, The. (See Jeffrey, Robert K., assignor.)

- Jeffrey Manufacturing Company, The. (See Jeffrey, R. K., and Moon, assignors.)
- Jeffrey Manufacturing Company, The. (See Jones, Oscar B., assignor.)
- Jeffrey Manufacturing Company, The. (See Lemmon, Alexis W., assignor.)
- Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
- Jeffrey Manufacturing Company, The. (See Levin, N. D., and Muller, assignors.)
- Jeffrey Manufacturing Company, The. (See Moon, Sterling C., assignor.)
- Jeffrey Manufacturing Company, The. (See Muller, Ernst F., assignor.)
- Jeffrey Manufacturing Company, The. (See Yeager, Leo R., assignor.)
- Jeffrey, Robert K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Tool holder. 1,954,049; Apr. 10.
- Jeffrey, Robert K., and S. C. Moon, assignors to The Jeffrey Manufacturing Company, Columbus, Ohio. Tool holder. 1,954,048; Apr. 10.
- Jeffreys, William, East Orange, N. J. Paste tube holder. 1,959,365; May 22.
- Jeffries, Frank J., Akron, Ohio. Draft regulator. 1,976,994; Oct. 16.
- Jeffries, Holly W., and A. B. Steward, Chicago, Ill. Compact and the like. 1,957,650; May 8.
- Jedries, John M., assignor to Atlas Powder Company, Wilmington, Del. Method of and explosive for blasting deep well holes. 1,948,583; Feb. 27.
- Jehle, Ferdinand, assignor to The White Motor Company, Cleveland, Ohio. Internal combustion engine and similar machine. 1,958,004; May 8.
- Jeliff, C. O., Mfg. Corp., The. (See Major, M., and Rennell, assignors.)
- Jelinek, Rudolph, Chicago, Ill. Picture display device. 1,964,879; July 3.
- Jelke, John F., Company. (See Farrell, Daniel A., assignor.)
- Jelke, John F., Company. (See Lyons, J. J., and Farrell, assignors.)
- Jelley, Edwin E., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process. 1,962,348; June 12.
- Jelliffe, Howard W., East Cleveland, and W. H. Abbott, Cleveland Heights, Ohio. Flexible holder for scouring material. 1,958,408; May 15.
- Jellinek, Karl. (See Zitscher, A., Seidenfaden, and Jellinek.)
- Jellinghaus, Karl, Cologne-Riehl, assignor to J. Pohl Akt.-Ges., Cologne-Zollstock, Germany. Automatic bunker discharge. 1,962,017; June 5.
- Jellison, Ernest E., Twin Falls, Idaho. Bathtub and cabinet therefor. 1,970,456; Aug. 14.
- Jenaer Glaswerk Schott & Gen. (See Berger, Edwin, assignor.)
- Jenckes, Frederick A. (See Brunet, R. L., Bracewell, and Jenckes.)
- Jendrassik, George, Budapest, Hungary. Fuel injection pump. 1,956,923; May 1.
- Jenkins & Adair, Inc. (See Jenkins, John E., assignor.)
- Jenkins, Alexander F., Baltimore, Md. Apparatus for applying paint. 1,982,055; Nov. 27.
- Jenkins, Alexander F., Baltimore, Md. Spray gun. 1,982,056; Nov. 27.
- Jenkins, Bernard F., U. S. Navy. Insulation stripper. 1,954,817; Apr. 17.
- Jenkins, Bernard F., U. S. Navy. Device for testing impact tools. 1,982,669; Dec. 4.
- Jenkins Bros. (See Gora, Henry, assignor.)
- Jenkins Bros. (See Le Compte, William G., assignor.)
- Jenkins, Charles F., Washington, D. C. Diathermy contact pad. 1,948,716; Feb. 27.
- Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Synchronizing system. Re19,171; May 15.
- Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Multiple radiocommunication. 1,957,537; May 8.
- Jenkins, Charles F., Washington, D. C., assignor to Radio Corporation of America. Electrooptical device. 1,964,062; June 26.
- Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Synchronizing system. 1,976,784; Oct. 16.
- Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Two-signal broadcast. 1,976,785; Oct. 16.
- Jenkins, Charles F., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Axle generator with exciter. 1,985,679; Dec. 25.
- Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Television scanning device. 1,984,682; Dec. 18.
- Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America. Electrooptical system and control. 1,984,683; Dec. 18.
- Jenkins, Clarence E., Keene, N. H., assignor of one-half to Brooke L. Jarrett, Pittsburgh, Pa. Fruit juice extractor. 1,953,714; Apr. 3.
- Jenkins, Frederick A. E., Canterbury, near Sydney, New South Wales, Australia. Automotive vehicle. 1,963,091; June 19.
- Jenkins, Fredrick A. E., Canterbury, near Sydney, New South Wales, Australia. Air compressing apparatus. 1,980,997; Nov. 20.
- Jenkins, Geo. O., Co. (See Richter, Herman W., assignor.)
- Jenkins, James M., Philadelphia, Pa., R. C. Thompson, Woodmont, Conn., and D. R. McNeal, Abington, assignors to Andale Company, Philadelphia, Pa. Treatment of gas and apparatus therefor. 1,966,173; July 10.
- Jenkins, John E., assignor to Jenkins & Adair, Inc., Chicago, Ill. Portable boom support. 1,942,925; Jan. 9.
- Jenkins, Kathryn, Kingsville, Tex. Collar. 1,978,531; Oct. 30.
- Jenkins, Leonard T., Chicago, Ill. Switch controlling device. 1,951,153; Mar. 13.
- Jenkins, Neil H., Chicago, Ill. Steel desk. 1,975,004; Sept. 25.
- Jenkins, Nicholas, assignor of one-half to P. E. Tabor, Joplin, Mo. Metal roofing. 1,963,583; June 19.
- Jenkins, Paul S., assignor to Square D Company, Detroit, Mich. Panelboard and testing means therefor. 1,980,721; Nov. 13.
- Jenkins Petroleum Process Company. (See Jenkins, Ulysses S., assignor.)
- Jenkins, Reginald W., Birkenhead, England, assignor to H. H. Robertson Company, Pittsburgh, Pa. Clip or fastening device. 1,956,219; Apr. 24.
- Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Incorporated. Composition containing chlorinated diphenyl and nitrocellulose. 1,942,926; Jan. 9.
- Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Incorporated. Adhesive composition. 1,960,265; May 29.
- Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Incorporated. Composition for moisture- and waterproofing and materials coated therewith. 1,960,266; May 29.
- Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Incorporated. Adhesive composition. 1,972,448; Sept. 4.
- Jenkins, Russell L., Anniston, Ala., assignor to Swann Research, Incorporated. Coating composition. 1,974,801; Sept. 25.
- Jenkins, Russell L., Anniston, Ala., and J. F. Norris, Cambridge, Mass., assignors to Swann Research, Inc. Making carboic acid. 1,950,359; Mar. 6.
- Jenkins, Russell L., and T. W. Schilb, Anniston, Ala., assignors to Swann Research Incorporated. Finely divided powders and making same. 1,972,447; Sept. 4.
- Jenkins, Seymour M., Lakewood, Ohio. Acoustical plaster. 1,968,489; July 31.
- Jenkins Television Corporation. (See Short, Donald W., assignor.)
- Jenkins, Thomas M., Los Angeles, Calif. Amusement device. 1,961,973; June 5.
- Jenkins, Ulysses S., assignor to Jenkins Petroleum Process Company, Chicago, Ill. Cracking of hydrocarbon oils. 1,975,549; Oct. 2.
- Jenkins, Vance N., Elizabeth, N. J., and W. M. Stratford, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,953,612; Apr. 3.
- Jenkins, Wayne E. (See Grayson, J. H., and Jenkins.)
- Jenkins, William F., Hammond, Ind. Shaft seal. 1,983,855; Dec. 11.
- Jenkinson, Herbert G., Adelaide, South Australia, Australia. Construction of floors, walls, etc. 1,970,457; Aug. 14.
- Jenks, Abbott B., Taft, Calif. Safety joint. 1,982,915; Dec. 4.
- Jenks, Louis W., assignor of one-half to E. Bow, Berkeley, Calif. Carburetor. 1,979,834; Nov. 6.
- Jenks, Stephen M., Gary, Ind., assignor to American Sheet and Tin Plate Company. Furnace charging apparatus. 1,951,092; Mar. 13.
- Jenner, Edward, Goodrich, N. Dak. Mounting and drive to facilitate mower sharpening. 1,967,939; July 24.
- Jenner, Ralph L., East Orange, N. J., assignor to Lapp Insulator Company, Inc. Slip clamp. 1,942,862; Jan. 9.
- Jenner, Ralph L., assignor to Lapp Insulator Company, Inc., Le Roy, N. Y. Insulator coupling means. 1,952,011; Mar. 20.
- Jenness, Leslie G., Brooklyn, N. Y., assignor to St. Mungo Manufacturing Company of America, Newark, N. J. Vulcanization. 1,941,691; Jan. 2.
- Jennings, Arvah A. (See Small, L. F., and Jennings.)
- Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Shoe rack or similar article. Des. 93,021; Aug. 14.
- Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Conveyor. 1,941,899; Jan. 2.
- Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,952,549; Mar. 27.
- Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,971,142; Aug. 21.
- Jennings, Chester S., and A. Koenig, assignors to The Lamson Company, Syracuse, N. Y. Carrier. 1,976,995; Oct. 16.
- Jennings, Chester S., Syracuse, N. Y., and F. R. Taisey, Lowell, Mass., assignors to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,979,801; Nov. 6.
- Jennings, Frank H. (See Harris, S. W., Jennings, and Sethman.)

- Jennings, Gregory M., assignor of forty-nine per cent to J. C. Miller, Evansville, Ind. Overload cushioning device for motor vehicles. 1,963,440; June 19.
- Jennings, Henry G., L. L. Mellor, Los Angeles W. F. Rudolph, Van Nuys, and A. Smith, assignors to Paramount Productions, Inc., Los Angeles, Calif. Tilt and panning head for motion picture camera tripods. 1,971,486; Aug. 28.
- Jennings, Irving C., South Norwalk, Conn. Steam heating system. 1,945,641; Feb. 6.
- Jennings, James H., Fort Wayne, Ind., assignor to General Electric Company. Furnace. 1,961,766; June 5.
- Jennings, James M., Baton Rouge, La., assignor to Standard-I. G. Company. Producing lubricants. 1,950,308; Mar. 6.
- Jennings, James M., Baton Rouge, La., assignor to Standard-I. G. Company. Production of hydrocarbon oils from solid carbonaceous material. 1,950,309; Mar. 6.
- Jennings, James M., Baton Rouge, La., assignor to Standard-I. G. Company. Producing highly refined motor fuels from heavier hydrocarbons. 1,955,297; Apr. 17.
- Jennings, James W., Providence, R. I. Vessel for cock-tails. 1,975,462; Oct. 2.
- Jennings, O. D., & Company. (See Mibalek, Emery, assignor.)
- Jennings, Rixford U., Buffalo, N. Y. Typewriter. Des. 93,400; Sept. 25.
- Jennings, Thomas F. (See Drachman, Phillip E., assignor.)
- Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changer loom. 1,961,049; May 29.
- Jennison, Herbert C., Bridgeport, assignor to The American Brass Company, Waterbury, Conn. Press and wire for incandescent lamps, radio tubes, and the like. 1,964,204; June 26.
- Jenny, Alexander, Berlin, assignor to Siemens Elektro-Osmose, G. m. b. H., Siemensstadt, near Berlin, Germany. Electro-osmotic fractionation of glue and gelatine. 1,942,478; Jan. 9.
- Jenny, Alexander, Berlin-Charlottenburg, assignor to Siemens Elektro-Osmose G. m. b. H., Siemensstadt, near Berlin, Germany. Purifying glycerine. 1,955,237; Apr. 17.
- Jensch, Heinrich, Frankfurt-on-the-Main-Hochst, and O. Eisleb, Hofheim-in-Taunus, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Basic nitroderivatives of 9-aminoacridines and preparing the same. 1,962,277; June 12.
- Jensen, Aage, Los Angeles, Calif. Pressure circulator and scaldier. 1,983,173; Dec. 4.
- Jensen, Axel G., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical network. 1,957,538; May 8.
- Jensen, Edward W. (See Weber, S. L., Baker, and Jensen.)
- Jensen, Hans, Baltimore, Md., and Ko Kuei Chen, assignors to Eli Lilly and Company, Indianapolis, Ind. Obtaining products from toad poisons. 1,951,870; Mar. 20.
- Jensen, Hans C., Sacramento, Calif. Sanitary sugar bowl. 1,966,035; July 10.
- Jensen, Harold G. (See McEachron, E. J., Johnson, Jensen, Ruhoff, Schroeder, and Krueger.)
- Jensen, Henry. (See Rice, R., and Jensen.)
- Jensen, Jack, Oakland, Calif. Cone housing. 1,972,345; Sept. 4.
- Jensen, Jack, Oakland, Calif. Electromagnetic speaker. 1,984,800; Dec. 18.
- Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Tank construction. 1,952,867; Mar. 27.
- Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Manhole construction. 1,956,423; Apr. 24.
- Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Vent for liquid storage tanks. 1,973,258; Sept. 11.
- Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Emergency valve for vehicle tanks. 1,980,063; Nov. 6.
- Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Valve control mechanism for tank vehicles. 1,985,207; Dec. 18.
- Jensen, Jens H., Seattle, Wash. Trolling spoon. 1,978,843; Oct. 30.
- Jensen, Karl E., Danville, Ill., assignor, by mesne assignments, to E. F. Kemp, Washington, D. C. Legging. 1,963,271; June 19.
- Jensen, Leo D., Chicago, Ill. Making pulverulent chromium. 1,968,490; July 31.
- Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. Des. 92,470; June 12.
- Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. Des. 92,471; June 12.
- Jensen, Louis, Chicago, Ill., assignor to United Autographic Register Co. Autographic register. 1,953,411; Apr. 3.
- Jensen, Louis, Chicago, Ill., assignor to United Autographic Register Company. Autographic register. 1,959,080; May 15.
- Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,964,323; June 26.
- Jensen, Louis, Chicago, Ill., assignor to United Autographic Register Co. Autographic register. 1,970,313; Aug. 14.
- Jensen, Louis, Chicago, Ill., assignor to United Autographic Register Co. Typewriter attachment. 1,970,314; Aug. 14.
- Jensen, Neil T. (See Sousa, H., Jensen, Neil T. and S. P.)
- Jensen, Peter L., La Grange, assignor to Jensen Radio Manufacturing Company, Chicago, Ill. Making sound reproducers. 1,941,476; Jan. 2.
- Jensen, Peter L., Western Springs, assignor to Jensen Radio Manufacturing Company, Chicago, Ill. Making magnetic sound reproducers. 1,941,477; Jan. 2.
- Jensen Radio Manufacturing Company. (See Jensen, Peter L., assignor.)
- Jensen, Sanning C., Neola, Iowa. Rotary hammer. 1,954,175; Apr. 10.
- Jensen, Soren P. (See Sousa, H., Jensen, Neil T. and S. P.)
- Jensen, William B., assignor to American Box Board Company, Grand Rapids, Mich. File box. 1,968,082; July 31.
- Jensen, William S., Chico, Calif. Piston valve. 1,942,648; Jan. 9.
- Jenson, Alfred H. (See Holford, F. A., and Jenson.)
- Jenson, Arthur H. (See Beach, F. E., and Jenson.)
- Jenson, James E., Salt Lake City, Utah, assignor of one-fourth to J. A. Marks, Boise, Idaho. Coal carbonizing apparatus. 1,975,396; Oct. 2.
- Jenssen, G. D., Company. (See Jenssen, Jacob D., assignor.)
- Jenssen, Jacob D. (See de Jahn, Fredrik W., assignor.)
- Jenssen, Jacob D., assignor to G. D. Jenssen Company, New York, N. Y. Heat recovery and washing system for sulphite pulp. 1,978,749; Oct. 30.
- Jeppertinger, Richard C., assignor to Syncromatic Air Conditioning Corporation, Milwaukee, Wis. Air conditioner. Des. 93,401; Sept. 25.
- Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Combination cigarette dispenser, lighter, and ash tray. Des. 92,086; Apr. 24.
- Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Combination cigarette dispenser, lighter, and ash tray. Des. 92,087; Apr. 24.
- Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Kitchen utensil. 1,975,949; Oct. 9.
- Jepsen, Henry, Canton Center, Conn. Leather roughing tool. 1,978,109; Oct. 23.
- Jepsen, Julius A., Elmhurst, N. Y. Window operator. 1,963,790; June 19.
- Jerabek, Theophil E., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Material for arc welding. 1,956,327; Apr. 24.
- Jereczek, Viktor, Tempelhof, near Berlin, Germany. Thread spindle gearing. 1,985,861; Dec. 25.
- Jerguson, Philip A., West Medford, Mass. Liquid gauge. 1,947,910; Feb. 20.
- Jermain, Herbert F., assignor, by mesne assignments, to Movietone, Inc., New York, N. Y. Sound attachment for moving picture projectors. 1,974,921; Sept. 25.
- Jerner, Geron G., Lake Forest, assignor of one-half to M. T. Martin, Chicago, Ill. Electrical outlet box and the like. 1,957,066; May 1.
- Jerome, Carolyn M., administratrix. (See Jerome, Horace M.)
- Jerome, Edwin R., Cranston, R. I., assignor to Victor Ring Traveler Company. Ring traveler. 1,985,608; Dec. 25.
- Jerome, Horace M., deceased, Ann Arbor, by G. A. Wood, assignee, Detroit, Mich., assignor, by mesne assignments, to Wood Hydraulic Hoist & Body Company. Boiler construction. Re19,138; Apr. 17.
- Jerome, Horace M., deceased, by C. M. Jerome, Ann Arbor, Mich., administratrix. Air heating apparatus. 1,965,102; July 3.
- Jerry, Russell R. B., Minneapolis, Minn. Store front. Des. 91,942; Apr. 10.
- Jersey, Arthur, Butte, Mont. Rail lifter. 1,971,785; Aug. 28.
- Jersey, Neil E., assignor to W. A. Riddell Company, Bucyrus, Ohio. Cutting edge for implements. 1,963,847; June 19.
- Jersey, Neil E., Bucyrus, and R. S. Spencer, Massillon, Ohio. Traction tread. 1,977,764; Oct. 23.
- Jeschke, Frank J., assignor to Micromatic Hone Corporation, Detroit, Mich. Abrasive stone holder. Re19,149; Apr. 24.
- Jeschke, Frank J., assignor to Micromatic Hone Corporation, Detroit, Mich. Cylinder honing tool or the like. 1,944,660; Jan. 23.
- Jesse, Richard J. (See Ballwanz, P. A., Hendrickson, and Jesse.)
- Jessen, Charles C., Passaic, N. J., assignor, by mesne assignments, to Atlas Powder Company, Wilmington, Del. Spinning artificial silk. 1,975,323; Oct. 2.
- Jessen, Henry H., Elkhart, Ind. Curtain support. 1,956,799; May 1.
- Jessen, James, and O. W. Thomas, Minneapolis, Minn.; said Jessen assignor to said Thomas. Laundry machinery. 1,960,815; May 29.
- Jessen, Leslie A., Sycamore, Ill. Blade sharpening device. 1,969,611; Aug. 7.
- Jessop, Francis W., assignor to The Ohio Electric Manufacturing Company, Cleveland, Ohio. Magnetic conveyor. 1,956,291; Apr. 24.

- Jessop, George A., and H. J. M. Ross, assignors to S. Morgan Smith Company, York, Pa. Draft tube. 1,955,070; Apr. 17.
- Jessop Steel Company. (See Trembour, Max R., assignor.)
- Jessup, Alfred C., Broadway, and Maurice N. Lacell, London, England. Production of metallic magnesium. 1,943,916; Jan. 16.
- Jessup, George L., Woodland, Calif. Electric heater. 1,942,758; Jan. 9.
- Jessup, George L., Woodland, Calif. Gun attachment. 1,973,811; Sept. 18.
- Jessup, George W., assignor to F. W. Davis, Waltham, Mass. Power steering gear and rotary valve therefor. 1,947,991; Feb. 20.
- Jessup & Moore Paper Co., The. (See Plumstead, Joseph E., assignor.)
- Jester, John M., Washington, D. C. Releasing or non-releasing clamp. 1,963,848; June 19.
- Jett, George C., Milwaukee, Wis. Crawler tread mechanism. 1,975,209; Oct. 2.
- Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Trailer dump mechanism. 1,984,876; Dec. 18.
- Jette, David K., Midskog, Sweden. Flying machine. 1,955,501; Apr. 17.
- Jewel, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Pressure control device. 1,951,829; Mar. 20.
- Jewelrite Inc. (See Lawrence, Norbert E., assignor.)
- Jewell Electrical Instrument Company. (See Daley, James C., assignor.)
- Jewell Electrical Instrument Co. (See Folen, Nels E., assignor.)
- Jewell Electrical Instrument Company. (See Miller, John H., assignor.)
- Jewell Electrical Instrument Co. (See Simpson, Ray, assignor.)
- Jewell, Hector W., Roscoe, assignor to National Postal Meter Company, Los Angeles, Calif. Inking device for printing ribbons. 1,962,309; June 12.
- Jewell, Howard W., assignor to Pacific Clay Products, Los Angeles, Calif. Bell-end pipe construction. 1,951,512; Mar. 20.
- Jewell, Ira H., Evanston, Ill. Dispensing system for liquids. 1,960,782; May 29.
- Jewell, Ira H., Evanston, Ill. Air conditioning and dispensing system. 1,979,941; Nov. 6.
- Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Sterilizer apparatus. 1,965,379; July 3.
- Jewell, Richard G., Lynn, Mass., assignor to General Electric Company. Electrical instrument. 1,952,072; Mar. 27.
- Jewell, Richard G., Lynn, Mass., assignor to General Electric Company. Soft iron measuring instrument. 1,952,921; Mar. 27.
- Jewett, Joseph E., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Mixing apparatus. 1,947,851; Feb. 20.
- Jewett, Joseph E., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Conducting caustic alkali fusions. 1,947,852; Feb. 20.
- Jewett, Joseph E., and C. G. Kiplinger, Buffalo, assignors to National Aniline and Chemical Company, Inc., New York, N. Y. Rotary drum filter. 1,975,230; Oct. 2.
- Jex, William A., Boston, Mass. One-way clutch. 1,968,771; July 31.
- Jiffy Lubricator Company. (See Johnson, August, assignor.)
- Jiffy Lubrication Company, Inc. (See Johnson, August, assignor.)
- Jiffy Lubricator Company. (See Johnson, J. S. and A., assignors.)
- Jiffy Pad and Excelsior, Inc. (See d'Este, J. N., and Tower, assignors.)
- Jimenez, Alfredo A. and J. C., Habana, Cuba. Pattern sheet controlled mechanism for illuminable signs. Re19,198; June 5.
- Jimenez, Julio C. (See Jimenez, Alfredo A. and J. C.)
- Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clutch mechanism. 1,978,903; Oct. 30.
- Jimerson, Francis A., Athens, and F. V. Allen, Sayre, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Governor. 1,947,009; Feb. 13.
- Jipson, Adolph B., Cleveland, Ohio. Combined grave marker and flower holder. 1,958,790; May 15.
- Jirka, James E., Cleveland, Ohio. Saw setting machine. 1,971,983; Aug. 28.
- Jirousek, Joseph F., assignor to Mir-A-Col Incorporated, Cleveland, Ohio. Printing ink. 1,954,627; Apr. 10.
- Joa, Curt G., Manitowoc, Wis., assignor to Curt G. Joa, Inc. End fold mechanism. 1,957,651; May 8.
- Joa, Curt G., Inc. (See Joa, Curt G., assignor.)
- Joannides, Alexandre G., assignor to Societe pour l'Exploitation des Brevets A. G. I., Paris, France. Mounting of objectives for use with cinematographs and like projectors. 1,954,876; Apr. 17.
- Joannides, Alexandre G., assignor to Societe pour l'Exploitation des Brevets, A. G. I., Paris, France. Apparatus for reading sound on cinematograph sound films. 1,957,539; May 8.
- Joannides, Alexandre G., assignor to Societe pour l'Exploitation des Brevets, A. G. I., Paris, France. Apparatus for reading sound on cinematograph sound films. 1,957,540; May 8.
- Joannides, Alexandre G., assignor to Societe pour l'Exploitation des Brevets A. G. I., Paris, France. Apparatus for recording or reproducing sound on films. 1,975,231; Oct. 2.
- Jobski, Otto H., assignor to The West Steel Casting Company, Cleveland, Ohio. Adapter ring. 1,982,057; Nov. 27.
- Jobst, Günther, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches, Berlin, Germany. Indirectly heated cathode. 1,941,692; Jan. 2.
- Jobst, Günther, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means to diminish secondary electron emission. 1,964,517; June 26.
- Jobst, Günther, F. Michelssen, and W. Wehnert, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Gaseous discharge amplifier tube. 1,984,877; Dec. 18.
- Jocelyn, George H. (See Goodale, Everett J., assignor.)
- Joerger, William, Glendale, J. S. Sheehan, Cincinnati, and F. J. Jones, Middletown, Ohio. Sign standard. 1,983,174; Dec. 4.
- Jorissen, Carl A., Washington, D. C. Typewriting machine. Re19,076; Feb. 13.
- Joffe, Isaac. (See Shapiro, H., and Joffe.)
- Joffe, Morris, et al. (See Chiera, Albert, assignor.)
- Joffé, Peter, New York, N. Y. Stress-breaking dental attachment. 1,953,715; Apr. 3.
- Johaneson, David, Chicago, Ill. Water-tight bag. 1,942,246; Jan. 2.
- Johanet, Henri L. L., administrator. (See de Vizcaya, Jean A.)
- Johann, Karl, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Washing machine for artificial silk. 1,961,074; May 29.
- Johannsen, Adolf. (See Bröde, J., and Johannsen.)
- Johannsen, Friedrich, Magdeburg, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Distillation of readily volatilizable metals. 1,950,249; Mar. 6.
- Johannsen, Friedrich, Magdeburg, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Sintering fine ores or the like. 1,951,935; Mar. 20.
- Johannsen, Friedrich, Magdeburg, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Directly producing wrought iron. 1,964,917; July 3.
- Johannsen, Friedrich, and A. Leysner, Magdeburg, assignors to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Distillation apparatus for the production of zinc or similar volatilizable metals. 1,966,627; July 17.
- Johannsen, Friedrich, and A. Leysner, Magdeburg, assignors to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Furnace for the production of metal sponge. 1,968,946; Aug. 7.
- Johannsen, Friedrich, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Distillation of metals. 1,985,171; Dec. 18.
- Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Control shutter for engine radiators. 1,943,239; Jan. 9.
- Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Composite chair member. 1,975,062; Sept. 25.
- Johannsen, Udo K., Cortland, and M. E. Maxon, Binghamton, assignors to The Brewer-Titchener Corporation, Cortland, N. Y. Making radiator shutters. 1,951,306; Mar. 13.
- Johansen, John V., Chicago, Ill. Machine for forming composition shingles. 1,953,680; Apr. 3.
- Johansen, Sverre N., Seattle, Wash. Camera attachment for making movable photographs. 1,968,768; July 31.
- Johanson, Erik, et al. (See Whittaker, Norman A., assignor.)
- Johanson, George K. V. (See Eskilson, S. A., and Johanson.)
- Johanson, George K. V. (See Anderson, E. E. W., and Johanson.)
- Johanson, Gustav H., trustee. (See Wilhjelm, Christian, assignor.)
- Johanson, Gustav H., and G. C. Froelich, assignors, by mesne assignments, to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Time controlled circuit controller. 1,978,947; Oct. 30.
- Johanson, John E., Bonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radioreceiver. 1,968,557; July 31.
- Johanson, John H., Waltham, assignor of one-half to H. T. Nelson, Boston, Mass. Fluid operated band tool. 1,981,955; Nov. 27.
- Johansson, Karl G., West Concord, Mass. Folding table. 1,942,603; Jan. 9.
- Johanson, Magnus H. (See Hill, M. H., and Johanson.)
- Johanson, Magnus H., assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,977,765; Oct. 23.
- Johansson, Erik H. E., Stockholm, Sweden. Thermically coating objects of iron or steel with aluminum or aluminum alloys. 1,941,750; Jan. 2.
- Johansson, Johan R., Stockholm, Sweden. Plug cock. 1,941,839; Jan. 2.
- Johansson, Johan W., Bankeryd, Sweden. Machine for the manufacture of match splint strips. 1,948,381; Feb. 20.

- Johansson, Karl A. R., assignor to Aktiebolaget Filtrum, Stockholm, Sweden. Multiple valve. 1,957,044; May 1.
- John, Albert J., Brookfield, Ill. Golf hole cup or rim. 1,943,610; Jan. 16.
- John, Robert, New York, N. Y. Refrigerator structure. 1,944,126; Jan. 16.
- John, Robert, New York, N. Y. Cigarette and making same. 1,967,556; July 24.
- John, Robert, New York, N. Y. Device for testing acidity in oral secretions. 1,967,557; July 24.
- John, Robert, New York, N. Y. Air activator. 1,975,424; Oct. 2.
- John, Robert, New York, N. Y. Ozonizing element. 1,975,425; Oct. 2.
- John, Robert, New York, N. Y. Air activator. 1,975,426; Oct. 2.
- John, Robert, New York, N. Y. Air activator. 1,975,427; Oct. 2.
- John, Robert, New York, N. Y. Method and apparatus for storing and shipping liquids. 1,975,428; Oct. 2.
- John, Robert, New York, N. Y., assignor to International Patents, Ltd., Dover, Del. Package. 1,967,191; July 17.
- John, Wesley E. (See Dowsett, C. W., and John.)
- John, Wesley E., Merton Park, London, England. Electrical transmission of moving pictures. 1,954,052; Apr. 10.
- John, Wesley E., Johannesburg, Transvaal, Union of South Africa. Cinematograph machine. 1,962,244; June 12.
- John, Wesley E., and E. Beyers, Johannesburg, Transvaal, Union of South Africa; said Beyers assignor to said John. Treatment of gold bearing material. 1,952,983; Mar. 27.
- Johnansson, Ernest G., Watertown, assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass. Magnetic switch. 1,951,362; Mar. 20.
- John-Werk Grafsche Maschinen-Aktiengesellschaft. (See Stegmann, Karl, assignor.)
- Johns, George M., near Sappington, Mo. Coin selector. 1,955,188; Apr. 17.
- Johns, Lee, Miami, Fla. Syringe. 1,950,680; Mar. 13.
- Johns-Manville Corporation. (See Bavis, Bruce N., assignor.)
- Johns-Manville Corporation. (See Berg, Roy E., assignor.)
- Johns-Manville Corporation. (See Brodersen, Harry T., assignor.)
- Johns-Manville Corporation. (See Christenson, George, assignor.)
- Johns-Manville Corporation. (See Clarvoe, George W., assignor.)
- Johns-Manville Corporation. (See Collier, S., and Soulis, assignors.)
- Johns-Manville Corporation. (See Cummins, Arthur B., assignor.)
- Johns-Manville Corporation. (See Drill, Daniel C., assignor.)
- Johns-Manville Corporation. (See Elliott, Roy D., assignor.)
- Johns-Manville Corporation. (See Hoff, L. R., and Kellogg, assignors.)
- Johns-Manville Corporation. (See MacIldowie, John C., assignor.)
- Johns-Manville Corporation. (See Mazza, Adolfo, assignor.)
- Johns-Manville Corporation. (See McQuade, Walter, assignor.)
- Johns-Manville Corporation. (See Powell, Edward R., assignor.)
- Johns-Manville Corporation. (See Rembert, Ernest W., assignor.)
- Johns-Manville Corporation. (See Rolfs, E. L., and Fuller, assignors.)
- Johns-Manville Corporation. (See Rowe, William L., assignor.)
- Johns-Manville Corporation. (See Seigle, William R., assignor.)
- Johns-Manville Corporation. (See Smolak, G., and McQuade, assignors.)
- Johns-Manville Corporation. (See Toohey, E. A., and Williams, assignors.)
- Johnsen, Bjornulf, Brooklyn, assignor to The Ludlow Valve Manufacturing Company, Troy, N. Y. Sealing means for valves. 1,968,779; July 31.
- Johnsen, Einar A. (See Coghlan, T. G., and Johnsen.)
- Johnsen, James R., and A. Olfort, Chicago, Ill. Portable bowling alley. 1,976,563; Oct. 9.
- Johnsen, Sigrid A., executrix. (See Coghlan, T. G., and Johnsen.)
- Johnsen, Willard A., Lancaster, Wis. Strap release for casket and burial vault lowering devices. 1,941,605; Jan. 2.
- Johnson, A., & Co. (See Kalling, B. M. S., and von Delwig, assignors.)
- Johnson, Adam E., Naugatuck, Conn. Sugar dispenser. 1,973,412; Sept. 11.
- Johnson, Adam E., Naugatuck, Conn. Food masher. 1,977,339; Oct. 16.
- Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Honing machine. 1,945,045; Jan. 30.
- Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Machine tool. 1,948,115; Feb. 20.
- Johnson, Albert M., and C. O. Holland, assignors to Barnes Drill Co., Rockford, Ill. Hydraulically actuated indexing mechanism. 1,942,927; Jan. 9.
- Johnson, Albert M., and W. M. Fairbairn, assignors to Barnes Drill Co., Rockford, Ill. Honing machine. 1,945,044; Jan. 30.
- Johnson, Alex, assignor to Land O'Lakes Creameries, Inc., Minneapolis, Minn. Heat transfer apparatus for semi-solid products. 1,949,374; Feb. 27.
- Johnson, Alfred J., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of suspensions. 1,979,469; Nov. 6.
- Johnson, Alfred M., Arlington, Wash. Rodent trap. 1,982,389; Nov. 27.
- Johnson, Alfred V., New York, N. Y. Metal sash protection. 1,980,864; Nov. 13.
- Johnson, Allen J., Primos, Pa. Heating furnace. Des. 92,002; Apr. 17.
- Johnson, Almon A., Superior, Wis., assignor to Superior Iron Works Company, Winch. 1,946,145; Feb. 6.
- Johnson, Annie V., executrix. (See Johnson, Theodore G.)
- Johnson, Arnold E. W. (See Johnston, E. A., Raney, and Johnson.)
- Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Tractor disk harrow. 1,948,919; Feb. 27.
- Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Tractor planter. 1,964,583; June 26.
- Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Checkrow wire for planters. 1,982,434; Nov. 27.
- Johnson, Arnold E. W., Chicago, and B. R. Benjamin, Oak Park, Ill., assignors to International Harvester Company. Tractor planter. 1,964,582; June 26.
- Johnson, Arnold E. W., Chicago, Ill., and C. W. Robinson, Hamilton, Ontario, Canada, assignors to International Harvester Company. Rod weeder bearing. 1,973,985; Sept. 18.
- Johnson, Arthur A., Bridgeport, Conn. Manifolding. 1,955,071; Apr. 17.
- Johnson, Arthur A., Bridgeport, Conn. Manifolding. 1,980,339; Nov. 13.
- Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 1,948,352; Feb. 20.
- Johnson, Arthur E. (See Ranney, W. B., Kappes, and Johnson.)
- Johnson, Arthur E., Huntington Park, Calif. Steel circulating hose for rotary well drilling systems. 1,963,368; June 19.
- Johnson, Arthur E., Southgate, assignor of thirty per cent to Hazard & Miller and twenty-five per cent to J. F. D. Withrow, Los Angeles, Calif. Rotary well drilling apparatus. 1,983,545; Dec. 11.
- Johnson, Arthur E., Oak Park, and J. F. Lindsey, assignors to Wm. Wrigley Jr. Company, Chicago, Ill. Package wrapping machine. 1,946,697; Feb. 13.
- Johnson, Arthur H., Upper Holloway, London, assignor to Electric and Musical Industries Limited, Middlesex, England. Alternating current motor. 1,978,581; Oct. 30.
- Johnson, Arthur L., Oak Park, and H. G. McComb, Chicago, Ill.; said McComb assignor to said Johnson. Folding table. 1,960,586; May 29.
- Johnson, Arthur S. (See Chapin, H. L., and Johnson.)
- Johnson, Arthur S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,943,322; Jan. 16.
- Johnson, Arthur S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,962,148; June 12.
- Johnson, Arthur S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fountain coating implement. 1,968,891; Aug. 7.
- Johnson, August. (See Johnson, John S. and A.)
- Johnson, August, assignor to Jiffy Lubricator Company, Inc., Fargo, N. Dak. Combination hand and air and grease gun. 1,945,813; Feb. 6.
- Johnson, August, assignor to Jiffy Lubricator Company, Inc., Fargo, N. Dak. Chuck lubricating connector. 1,984,878; Dec. 18.
- Johnson Automatic Sealer Co. (See Richard, Charles F., assignor.)
- Johnson Automatic Sealer Co. (See Robinson, George A., assignor.)
- Johnson, Axel R., White Plains, N. Y. Rake. 1,945,552; Feb. 6.
- Johnson & Bassett, Inc. (See Williams, C. E. and Chase, assignors.)
- Johnson, Benjamin F., Baltimore, Md. Safety razor. 1,954,628; Apr. 10.
- Johnson, Benjamin F., Baltimore, Md. Shaving soap stick lather cup. 1,962,092; June 5.
- Johnson, Bernard A., assignor of forty-nine per cent to D. J. Murphy, Minneapolis, Minn. Internal combustion engine. 1,968,646; July 31.
- Johnson, Bradley S., Highland Park, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,973,079; Sept. 11.
- Johnson Bronze Company. (See Davenport, Edward L., assignor.)
- Johnson Bronze Company. (See Leis, C. H., and Sandler.)
- Johnson, Bror A. E., Alsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Packaging machine. 1,964,122; June 26.
- Johnson Brothers Engineering Corporation. (See Johnson, Harry L., assignor.)

- Johnson, Carl A. (See Skar, J. G. L., and Johnson.)
- Johnson, Carl E., Pasadena, assignor to Sterling Electric Motors, Inc., Los Angeles, Calif. Line-start induction motor. 1,942,649; Jan. 9.
- Johnson, Carl H. (See Johnson, Oscar W. and C. H.)
- Johnson, Carsten I. (See Duke, William V., assignor.)
- Johnson, Cecil L., Toledo, Ohio. Heat meter. 1,948,284; Feb. 20.
- Johnson, Charles. (See Barrett, L. E., and Johnson.)
- Johnson, Charles A., Lexington, Mass. Electric power distributing system. 1,941,863; Jan. 2.
- Johnson, Charles A., Indianapolis, Ind. Automatic means of cleaning the sediment out of hot water heating circuits. 1,974,816; Sept. 25.
- Johnson, Charles B., Paterson, N. J. Warp sizing machine. 1,966,097; July 10.
- Johnson, Charles D., Worcester, Mass. Continuous wire-drawing apparatus. 1,948,664; Feb. 27.
- Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire-polishing apparatus. 1,951,548; Mar. 20.
- Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Oil burner. 1,956,506; Apr. 24.
- Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Coating wire. 1,961,667; June 5.
- Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Process of and apparatus for coating wire. 1,968,687; July 31.
- Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Apparatus for liming wire. 1,978,050; Oct. 23.
- Johnson, Charles E., North Muskegon, Mich. Piston ring. 1,957,783; May 8.
- Johnson, Charles E., North Muskegon, Mich. Self-locking valve tappet. 1,957,784; May 8.
- Johnson, Charles E., North Muskegon, assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring chuck. 1,968,400; July 31.
- Johnson, Charles W. (See Johnson, Richard W., assignor.)
- Johnson, Chester T. M., et al. (See Johnson, Francis T., assignor.)
- Johnson, Chris G., Golva, assignor of one-half to A. J. Nathan, Dickinson, N. Dak. Threshing machine adjustable sieve. 1,956,507; Apr. 24.
- Johnson, Christian E. (See Court, F. T., Christensen, and Johnson.)
- Johnson, Clarence, Cleveland, Ohio, assignor to Bailey Meter Company. Regulating system. 1,962,678; June 12.
- Johnson, Clarence, Cleveland, Ohio, assignor to Bailey Meter Company. Pressure measuring device. 1,970,753; Aug. 21.
- Johnson, Clarence, Cleveland, Ohio, assignor to Bailey Meter Company. Power amplifying positioning device. 1,972,853; Sept. 11.
- Johnson, Clarence F., Fresno, assignor to California Corrugated Culvert Co., Berkeley, Calif. Apparatus for measuring flowing liquids. 1,966,628; July 17.
- Johnson, Clarence G. (See Cederholm, W., and Johnson.)
- Johnson, Clarence G., Hartford City, Ind. Roller track. 1,976,075; Oct. 9.
- Johnson, Clarence G., Hartford City, Ind. Roller track. 1,976,076; Oct. 9.
- Johnson, Clarence G., assignor to Overhead Door Corporation, Hartford City, Ind. Spring counterbalance for vertically slidable doors. 1,983,856; Dec. 11.
- Johnson, Claude T., East Orange, assignor to T. A. Edison, Incorporated, West Orange, N. J. Infusion device. 1,943,386; Jan. 16.
- Johnson, Clifford N. (See Duncan, J. K., and Johnson.)
- Johnson, Clifford N., assignor to Ditto, Incorporated, Chicago, Ill. Rotary duplicator. 1,972,421; Sept. 4.
- Johnson, Clinton V., assignor to Pratt & Whitney Company, Hartford, Conn. Gauge. 1,956,292; Apr. 24.
- Johnson, Colvin L., St. Louis, Mo., assignor, by mesne assignments, to Duro Metal Products Company, Chicago, Ill. Spare wheel and tire lock. 1,950,493; Mar. 13.
- Johnson, Conrad T., Jamestown, N. Y. Concealed hinge. 1,963,703; June 19.
- Johnson, Cyrus S., Thompson Township, Fulton County, Pa. Wheat flour milling process. 1,980,622; Nov. 13.
- Johnson, David E., Rockford, Ill. Tool holder. 1,961,442; June 5.
- Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Thermally actuable means for operating electric switches. 1,982,521; Nov. 27.
- Johnson, Doletta M., Detroit, Mich. Massage applicator. 1,980,803; Nov. 13.
- Johnson, Doris, New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 92,604; June 26.
- Johnson, Eads, Morristown, N. J. Marine tractor. 1,944,242; Jan. 23.
- Johnson, Earl K., Tacoma, Wash. Tripod stabilizer. 1,948,584; Feb. 27.
- Johnson, Edward, Montclair, N. J., assignor to Meinecke & Company, New York, N. Y. Container for sterilized articles. 1,974,277; Sept. 18.
- Johnson, Edward T., assignor to The New England Box Company, Greenfield, Mass. Nesting box. 1,968,042; July 31.
- Johnson, Edwin, Great Falls, Mont. Heat generating unit. 1,945,902; Feb. 6.
- Johnson, Edwin A., Houston, Tex., assignor to J. H. McEvoy & Company. Slip. 1,952,595; Mar. 27.
- Johnson, Edwin J., assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Shot shell and making same. 1,972,996; Sept. 11.
- Johnson, Elizabeth, executrix. (See Johnson, Ernest S.)
- Johnson, Elvin H., Winnetka, Ill. Builder's hardware. 1,966,205; July 10.
- Johnson, Emil H., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Strainer. 1,956,719; May 1.
- Johnson, Enos H., Los Angeles, Calif. Hydrocarbon burner. 1,958,046; May 8.
- Johnson, Erling, assignor to the firm Odda Smelteverk, A/S, Odda, Norway. Treating solutions of phosphate rock in nitric acid. 1,976,283; Oct. 9.
- Johnson, Ernest N., South Ozone Park, N. Y. Steam generator and boiler. 1,960,910; May 29.
- Johnson, Ernest S., assignor to Knapp-Monarch Company, Belleville, Ill. Electric toaster appliance. 1,963,409; June 19.
- Johnson, Ernest S., deceased, Belleville, by E. Johnson, executrix, East St. Louis, Ill., assignor to Knapp-Monarch Company. Electrical appliance. 1,976,939; Oct. 16.
- Johnson, Everard L., Patchogue, and H. W. Comfort, Blue Point, N. Y. Flash light operating device. 1,979,942; Nov. 6.
- Johnson, Ewald E., St. Charles, assignor to Mathias Klein & Sons, Chicago, Ill. Safety hook. 1,949,608; Mar. 6.
- Johnson Fare Box Co. (See Thompson, Ernest H., assignor.)
- Johnson, Fay G. (See Watson, Charles B., assignor.)
- Johnson, Francis T., assignor to C. T. M. and M. F. W. Johnson, Chicago, Ill. Washing machine and drive therefor. 1,969,649; Aug. 7.
- Johnson, Francis T., assignor to C. T. M. and M. F. W. Johnson, Chicago, Ill. Burner. 1,984,879; Dec. 18.
- Johnson, Frank. (See Breuer, Rudolf G., assignor.)
- Johnson, Frank E., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric switch. 1,945,487; Jan. 30.
- Johnson, Frank E., assignor to John I. Paulding, Inc., New Bedford, Mass. Attachment plug receptacle. 1,983,511; Dec. 4.
- Johnson, Frank L., Rockford, assignor to Zenith Radio Corporation, Chicago, Ill. Radiocabinet. Des. 93,274; Sept. 11.
- Johnson, Frank L., Akron, Ohio. Annular collapsible form. 1,948,035; Feb. 20.
- Johnson, Frank W. (See Bishop, O. M., and Johnson.)
- Johnson, Fred N., Belvedere Gardens, Calif. Coupler for traction vehicles. 1,973,766; Sept. 18.
- Johnson, Frederick B., Murrysville, and W. M. Leeds, Wilksburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 1,973,485; Sept. 11.
- Johnson, Frederick T., West Hartford, assignor to Henry Kohn & Sons, Inc., Hartford, Conn. Finger ring. Des. 93,402; Sept. 25.
- Johnson, George A., Crystal Falls, assignor, by mesne assignments, of one-half to B. C. Matzger. Adjustable hat support. 1,972,018; Aug. 28.
- Johnson, George E., Kansas City, Mo. Seed treating machine. 1,973,812; Sept. 18.
- Johnson, George H., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Tumbling mill. 1,967,147; July 17.
- Johnson, George M., assignor to Fort Pitt Mine Equipment Company, Jeannette, Pa. Car handling apparatus. 1,942,247; Jan. 2.
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Draft mechanism. 1,957,597; May 8.
- Johnson, George T., and G. M. Murphy, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Automatic car coupler. 1,962,563; June 12.
- Johnson, George W. (See Reese, L. V., and Johnson.)
- Johnson, George W., Diamond Springs, Calif. Fountain brush. 1,943,893; Jan. 16.
- Johnson, George W., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Combined pressure and centrifugal extractor. 1,949,278; Feb. 27.
- Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Air conditioning system. 1,967,940; July 24.
- Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Stripper. 1,975,210; Oct. 2.
- Johnson, George W., Canton, assignor to The Bowdell Company, Bowdell, Ohio. Spike puller. 1,961,050; May 29.
- Johnson, Gerald, Glenside, Pa. Variable displacement pump or motor. 1,974,961; Sept. 25.
- Johnson, Glen A., Connersville, Ind. Rear view mirror or the like. Des. 93,621; Oct. 16.
- Johnson, Gordon W., Kansas City, Mo. Collapsible tube. Des. 92,135; May 1.
- Johnson, Gunnar L., Jamestown, N. Y. Sash window. 1,952,438; Mar. 27.
- Johnson, Gust, Independence, Mo. Draft equalizer. 1,948,665; Feb. 27.
- Johnson, Gustaf A., New Bedford, Mass. Lamp socket. 1,982,306; Nov. 27.

- Johnson, Gustaf E., assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Strip-serving machine. 1,967,362; July 24.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Expansion rivet. 1,944,513; Jan. 23.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable snap fastener stud. 1,947,130; Feb. 13.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making fastener sockets. 1,948,300; Feb. 20.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 1,948,301; Feb. 20.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener for straps and the like. 1,956,031; Apr. 24.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener for straps and the like. 1,956,032; Apr. 24.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 1,967,670; July 24.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud. 1,978,087; Oct. 23.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making attaching members. 1,978,088; Oct. 23.
- Johnson, Gustav E., New York, N. Y. Egg cleaning device. 1,952,625; Mar. 27.
- Johnson, Gustave A., assignor to New England Bedding Company, Medford, Mass. Couch bed. 1,955,634; Apr. 17.
- Johnson, Gustave T., assignor to Yates-American Machine Company, Beloit, Wis. Woodworking machine. 1,972,145; Sept. 4.
- Johnson, Harold B., Buffalo, N. Y. Letter sheet. 1,960,054; May 22.
- Johnson, Harold E., Evanston, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Sealing means. 1,963,465; June 19.
- Johnson, Harold E., Evanston, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Sealing means. 1,963,704; June 19.
- Johnson, Harry L. (See Gray, C. C., and Johnson.)
- Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Outboard motor. Des. 93,111; Aug. 21.
- Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Outboard motor. Des. 93,112; Aug. 21.
- Johnson, Harry L., Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, South Bend, Ind. Marie motor for bevel gear pivots for lower casings. 1,943,323; Jan. 16.
- Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Marine motor. 1,980,685; Nov. 13.
- Johnson, Harry R., Baltimore, Ohio. Canned oil servicer. 1,981,177; Nov. 20.
- Johnson, Harry V., Niagara Falls, N. Y., assignor to National Carbon Company, Inc. Oxidation resisting carbon article. 1,948,382; Feb. 20.
- Johnson, Henry H., Palmerston North, New Zealand. Milking machine. 1,965,497; July 3.
- Johnson, Henry L. (See Sherwood, G. L., and Johnson.)
- Johnson, Henry S., Hylas, Va. Gravity feed drinking fountain. 1,972,777; Sept. 4.
- Johnson, Henry W. A., Roslindale, Boston, and R. H. Moore, Lexington, Mass. Casing for water heaters and the like. Des. 93,924; Nov. 27.
- Johnson, Herbert C., Chicago, Ill. Juice extractor. Des. 92,537; June 19.
- Johnson, Herbert C., Chicago, Ill. Ice crusher. Des. 94,147; Dec. 25.
- Johnson, Herbert D., assignor to General Electric Company, Schenectady, N. Y. Instrument mounting. 1,969,512; Aug. 7.
- Johnson, Herbert F., et al. (See Hyma, Abe, assignor.)
- Johnson, Herbert W. (See Kennedy, J. E., and Johnson.)
- Johnson, Herbert W., assignor to American Coil Spring Company, Chicago, Ill. Grinding machine. 1,978,674; Oct. 30.
- Johnson, Horace L. (See Ross, F. N., and Johnson.)
- Johnson, Howard F., assignor to The Champion Machine & Forging Company, Cleveland, Ohio. Method and machine for forming channel-shaped articles. 1,984,020; Dec. 11.
- Johnson, Howard F., assignor to The Champion Machine and Forging Company, Cleveland, Ohio. Machine for forming forgings. 1,984,021; Dec. 11.
- Johnson, Howard O., Whittier, Calif. Ignition device for internal combustion engines. 1,957,541; May 8.
- Johnson, Irene L., (See Rice, Linville S. and G. E. and Johnson.)
- Johnson, Isaac A., Winona, Minn. Dishwashing machine. 1,944,322; Jan. 23.
- Johnson, Iver M., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Receptacle. 1,973,682; Sept. 11.
- Johnson, Jack, assignor to J. Fried, Los Angeles, Calif. Automatic torque measurer, recorder, and regulator for rotary drilling machines. 1,954,176; Apr. 10.
- Johnson, James H., Indianapolis, Ind. Fountain brush. Des. 92,088; Apr. 24.
- Johnson, James P., Cleveland, Ohio. Roller bearing retainer. 1,943,894; Jan. 16.
- Johnson, James P., Cleveland, Ohio. Variable speed mechanism. 1,982,670; Dec. 4.
- Johnson, James P., Cleveland, Ohio. Producing roller bearings. 1,983,134; Dec. 4.
- Johnson, John A. (See Cummins, N. W., and Johnson.)
- Johnson, John A., Brooklyn, N. Y. Apparatus for applying an adhesive surface to a web. 1,949,419; Mar. 6.
- Johnson, John A., Woodhaven, N. Y. Applying an adhesive surface to a web. 1,949,420; Mar. 6.
- Johnson, John A., assignor to National Supply & Service Corporation, Crawfordsville, Ind. Flue-spark screen. 1,961,695; June 5.
- Johnson, John C., Birmingham, Ala. Combination cooking utensil. Des. 91,487; Feb. 13.
- Johnson, John D., New Haven, Conn. Car wheel. 1,977,514; Oct. 16.
- Johnson, John F., Peoria, Ill. Jar-cover wrench. 1,943,611; Jan. 16.
- Johnson, John F., Memphis, Tenn. Operating a hydraulic jack. 1,976,129; Oct. 9.
- Johnson, John F., and R. B. Lawton, assignors to Weber Costello Co., Chicago Heights, Ill. Forming blackboard surfaces. 1,956,220; Apr. 24.
- Johnson, John F., and R. B. Lawton, assignors to Weber Costello Co., Chicago Heights, Ill. Blackboard. 1,958,579; May 15.
- Johnson, John H., Toronto, Ontario, Canada. Making inflatable rubber goods. 1,970,802; Aug. 21.
- Johnson, John H., Toronto, Ontario, Canada. Making an inflatable rubber structure. 1,970,803; Aug. 21.
- Johnson, John I. (See Roth, R., Pollock, Johnson, and Ritthamer.)
- Johnson, John M., Ishpeming, Mich. Combined lock and latch bar. 1,958,244; May 8.
- Johnson, John M., Kansas City, Mo. Fire alarm system. 1,976,347; Oct. 9.
- Johnson, John M., and H. L. Sinclair, assignors to Houston Compress Company, Houston, Tex. Self-loading portable elevator. 1,947,264; Feb. 13.
- Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool head. 1,971,157; Aug. 21.
- Johnson, John S., deceased, and A. Johnson, Fargo, N. Dak.; T. L. Johnson, administrator of said J. S. Johnson, assignors to Jiffy Lubricator Company. Adjustable and releasable pressure grease gun. 1,947,088; Feb. 13.
- Johnson & Johnson. (See Bennett, Frank I., jr., assignor.)
- Johnson & Johnson. (See Dickson, Earle E., assignor.)
- Johnson & Johnson. (See Johnson, Robert W., assignor.)
- Johnson & Johnson. (See Kilmer, Frederick B., assignor.)
- Johnson and Johnson. (See Nelson, E. R., and Thompson, assignors.)
- Johnson & Johnson. (See Rohlfing, Andrew A., assignor.)
- Johnson, Joseph E., West Roxbury, Mass. Window screen frame. 1,948,383; Feb. 20.
- Johnson, Joseph E., West Roxbury, Mass. Window screen structure. 1,973,902; Sept. 18.
- Johnson, Joseph E., Louisville, Ky. Orthodontia appliance. 1,952,320; Mar. 27.
- Johnson, Joseph H., Bradford, Pa. Load binder. 1,950,923; Mar. 13.
- Johnson, Joseph W., Rienzi, Miss. Pharmacist's slab. 1,952,375; Mar. 27.
- Johnson, Justus L., Lynwood, and M. Geiszler, South Gate, Calif. Fuse. 1,948,421; Feb. 20.
- Johnson, Justus L., Lynwood, and M. Geiszler, South Gate, Calif. Electrical connection. 1,951,981; Mar. 20.
- Johnson, Karl V., Los Angeles, Calif. Cable tap connector. 1,943,020; Jan. 9.
- Johnson Laboratories, Inc. (See Crossley, A., and Neighbors, assignors.)
- Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)
- Johnson, Leon R., Wichita, Kans. Furnace. 1,943,537; Jan. 16.
- Johnson, Leonard W., and W. F. Hoag, assignors to Johnson Manufacturing Company, Batavia, Ill. Grinding machine. 1,941,478; Jan. 2.
- Johnson, Linn D., assignor to The Knox Company, Kansas City, Mo. Container. 1,984,351; Dec. 11.
- Johnson, Lloyd A., Hillsborough, Calif. Laminated shim. 1,951,730; Mar. 20.
- Johnson, Lloyd A., Hillsborough, Calif. Oil retainer. 1,963,849; June 19.
- Johnson-Losee Corporation. (See Kleinicke, Werner, assignor.)
- Johnson, Louie, and J. L. Mack, Jolley, Iowa. Operating a portable stacker. 1,971,413; Aug. 28.
- Johnson, Louis V., assignor of twenty-five per cent to L. C. Johnson, five and five-ninths per cent to J. E. Snow, seven and one-half per cent to J. A. Kluever, and thirty-six and seventeen-eightieths per cent to A. J. Shudde, Houston, Tex. Tool for boring cylinders. 1,954,385; Apr. 10.

- Johnson, Louis V., assignor of twenty-five per cent to L. C. Johnson, five and nine-tenths per cent to J. E. Snow, seven and one-half per cent to J. A. Kluever, and thirty-six and seventeen-eightieths per cent to A. J. Shudde, Houston, Tex. Rotary pump. 1,974,112; Sept. 18.
- Johnson, Luella C., et al. (See Johnson, Louis V., assignor.)
- Johnson, M. Daniel. (See Walker, George M., assignor.)
- Johnson, Malcolm S., assignor to E. P. Smith, Chicago, Ill. Brake slack adjuster. 1,945,692; Feb. 6.
- Johnson, Manfred J., Naugatuck, Conn. Instrument panel. Des. 93,982; Dec. 4.
- Johnson, Manfred J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Electrical measuring instrument. 1,952,626; Mar. 27.
- Johnson, Manfred J., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn. Indicating and/or recording unknown quantities. 1,971,313; Aug. 21.
- Johnson, Manfred J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Thermocouple. 1,972,146; Sept. 4.
- Johnson, Manfred J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Switch. 1,973,630; Sept. 11.
- Johnson, Manfred J., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,966,655; July 17.
- Johnson, Manfred J., and V. L. Frykman, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Dictating machine. 1,968,558; July 31.
- Johnson Manufacturing Company. (See Johnson, L. W., and Hoag, assignors.)
- Johnson Manufacturing Co. (See Stroud, Francis H., assignor.)
- Johnson Manufacturing Company, The. (See Wickersham, Don P., assignor.)
- Johnson-March Corporation, The. (See Hunt, Carl W., assignor.)
- Johnson, Martin E., Chicago, Ill. Combined nozzle and spraying device. 1,946,696; Feb. 13.
- Johnson, Martin F. W., et al. (See Johnson, Francis T., assignor.)
- Johnson, Max F., Wichita Falls, Tex. Hair clipper. 1,973,631; Sept. 11.
- Johnson, Maxwell O., Wahiawa, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Fumigating soils and compound for use therein. 1,983,546; Dec. 11.
- Johnson Metal Products Co. (See Johnson, Theodore, assignor.)
- Johnson, Montgomery H., Provincetown, Mass. Combined table and carrying case. 1,978,310; Oct. 23.
- Johnson Motor Company. (See Miller, Walter C., assignor.)
- Johnson, Nelson B., Winthrop, Mass. Liquid fuel heating system. 1,969,080; Aug. 7.
- Johnson, Nelson E. (See Giddens, Paul K., assignor.)
- Johnson, Nester A., Minneapolis, Minn. Device for withdrawing clinkers from coal fires. 1,953,681; Apr. 3.
- Johnson, Norman G. (See Gent, K. T., and Johnson.)
- Johnson, Norman G., Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gelatin dynamite composition. 1,963,622; June 19.
- Johnson, Norman G., and H. A. Lewis, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive coating material. 1,972,938; Sept. 11.
- Johnson, O. J. (See Bradley, Claude A., assignor.)
- Johnson, Olaf R., Chicago, Ill. Safety crank for motors. 1,960,587; May 29.
- Johnson, Oscar, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Absorption refrigerating system. 1,980,531; Nov. 13.
- Johnson, Oscar C., Woking, England. Continuous film motion cinematograph projector. 1,944,010; Jan. 16.
- Johnson, Oscar W., assignor of one-fifth to J. J. Bamforth, Portland, Maine. Draft-eliminating device for motor vehicle foot and floor boards. 1,971,857; Aug. 28.
- Johnson, Oscar W. and C. H., Chicago, Ill. Lamp shade. Des. 92,538; June 19.
- Johnson, Paul J., Watertown, assignor to Scovill Manufacturing Company, Waterbury, Conn. Package. 1,966,669; July 17.
- Johnson, Paul R., J. Statz, and W. A. Wallsten, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Layout and apparatus for handling wires or strips. 1,980,138; Nov. 6.
- Johnson, Perry R., Chicago, Ill. Liquid fuel burner. 1,978,904; Oct. 30.
- Johnson Products Co. (See Esson, Edwin, assignor.)
- Johnson, Ralph W., Minneapolis, Minn. Sawhorse. 1,967,886; July 24.
- Johnson, Ray B., Oakland, Calif. Shade cord pulley. 1,964,205; June 26.
- Johnson, Ray M., Birch Run, Mich. Valve for wells. 1,953,828; Apr. 3.
- Johnson, Ray M., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Marking machine. 1,969,221; Aug. 7.
- Johnson, Reginald S. (See McEachron, E. J., and Johnson, Reginald S., assignors.)
- Johnson, Reginald S. (See McEachron, E. J., Johnson, Jensen, Ruboff, Schroeder, and Krueger.)
- Johnson, Richard W., Danville, Pa., assignor of one-fourth to C. W. Johnson. Fishing reel. 1,960,491; May 29.
- Johnson, Robert F., Chelan County, near Wenatchee, Wash. Paintbrush keeper. 1,949,912; Mar. 6.
- Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary napkin. 1,946,425; Feb. 6.
- Johnson, Ross H., Indianapolis, Ind. Heel cushion. 1,945,780; Feb. 6.
- Johnson, Roy L. (See Cooper, C. O., and Johnson.)
- Johnson, Roy W., assignor to The Corcoran-Brown Lamp Company, Cincinnati, Ohio. Lamp. 1,945,309; Jan. 30.
- Johnson, Samuel J., Cincinnati, Ohio, assignor, by mesne assignments, to Cloray Corporation, Baltimore, Md. Window shade cord ring. Des. 93,828; Nov. 13.
- Johnson, Samuel J., assignor to Cloray Corporation, Cincinnati, Ohio. Card table cover. 1,970,173; Aug. 14.
- Johnson, Selvar G., Chicago, Ill. Pile-forming and delivery means. 1,942,172; Jan. 2.
- Johnson Service Company. (See Otto, Arthur J., assignor.)
- Johnson Service Company. (See Otto, Carl A., assignor.)
- Johnson, Sigfried W., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Bottle carrier. 1,981,647; Nov. 20.
- Johnson, Smith M., Middlefield, Ohio. Attaching means for container heads. 1,948,920; Feb. 27.
- Johnson, Stanley G., Hartford, Conn. Ejector for the contents of collapsible tubes. 1,983,462; Dec. 4.
- Johnson Steel & Wire Company. (See Johnson, Charles D., assignor.)
- Johnson, Stephen, jr. (See Vorech, S., and Johnson.)
- Johnson, Stephens & Shinkle Shoe Co. (See Frost, Myron O., assignor.)
- Johnson-Stephens & Shinkle Shoe Company. (See Senik, J., and Moraville, assignors.)
- Johnson, Sylvester A., assignor to Sammartino & Sanchirico Company, Providence, R. I. Bracelet. 1,970,041; Aug. 14.
- Johnson, Theodore, assignor to Johnson Metal Products Company, Erie, Pa. Screen mounting for metal window frames. 1,948,868; Jan. 16.
- Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Window ventilator. 1,958,342; May 8.
- Johnson, Theodore G., deceased; A. V. Johnson, executrix, assignor to R. F. Gornall, Kansas City, Mo. Building. 1,979,039; Oct. 30.
- Johnson, Theodore J., Baltimore, Md. Net float. 1,974,278; Sept. 18.
- Johnson, Theodore L., administrator. (See Johnson, John S. and A.)
- Johnson, Theodore W. (See Brown, T., and Johnson.)
- Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. 1,946,402; Feb. 6.
- Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. 1,946,403; Feb. 6.
- Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. 1,958,625; May 15.
- Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. 1,962,349; June 12.
- Johnson, Thomas A., Rockford, Ill. Support for bottle stoppers. 1,973,957; Sept. 18.
- Johnson, Thomas G., assignor to The Northwest Paper Company, Cloquet, Minn. Drying apparatus. 1,966,629; July 17.
- Johnson, Tomlinson F. (See Spencer, Charles R., assignor.)
- Johnson, Treat B., Bethany, Conn., assignor to Winthrop Chemical Company, Inc., New York, N. Y. Thiazole compound and producing the same. 1,970,656; Aug. 21.
- Johnson, Treat B., Bethany, Conn., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Phenolic derivative of diaryl sulphides. 1,976,732; Oct. 16.
- Johnson, W. N., Automobile Sheet Metal Works. (See Scott, Elisha H., assignor.)
- Johnson, W. R., et al. (See Day, Charles M., assignor.)
- Johnson, Walfred, assignor of one-half to W. P. Ritter, Racine, Wis. Mail box. 1,951,053; Mar. 13.
- Johnson, Walter M., Medina, Wash. Customer control accounting system. 1,966,761; July 17.
- Johnson, Walter S., Providence, R. I., assignor to Money-Meters, Inc., Detroit, Mich. Automatic electric ticket indicator. 1,972,449; Sept. 4.
- Johnson, Will R., Stockton, assignor to Richmond-Chase Company, San Jose, Calif. Asparagus cutting machine. 1,950,729; Mar. 13.
- Johnson, William A. W. (See Hess, D. A., and Johnson.)
- Johnson, William G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Impregnating conduits. 1,973,080; Sept. 11.
- Johnson, William H. (See Rogers, G. S., and Johnson.)
- Johnson, William L. (See Carter, R. M., and Johnson.)
- Johnson, William S., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Wheel gauge. 1,962,716; June 12.
- Johnson, William V., Washington, D. C. Bookholder. 1,953,560; Apr. 3.
- Johnson, Wilmont W. (See Novotny, E. E., and Johnson.)
- Jöhnssen, Heinrich, Nuremberg, Germany. Pencil. 1,975,723; Oct. 2.
- Johnsson, Axel G. (See Hellner, Karl G., assignor.)
- Johnsson, Emil T., Chicago, Ill. Valve. 1,979,109; Oct. 30.

- Johnston, Alan C., assignor to Hercules Powder Company, Wilmington, Del. Drying oil and producing it. 1,975,211; Oct. 2.
- Johnston, Andrew L., jr. (See Northcutt, R. T., and Johnston, jr.)
- Johnston, Andrew L., jr., Plainfield, and R. T. Northcutt, Cranford, N. J., assignors, by mesne assignments, to Food Concentrates, Inc., New York, N. Y. Method and apparatus for drying sugars and other hygroscopic material. 1,958,702; May 15.
- Johnston, Arthur J., Aldan, Pa., assignor to General Electric Company. Remote indicating system. 1,967,887; July 24.
- Johnston, Bruce H., and P. Mottershead, Kensington, near Melbourne, assignor to Secret Cash Recorder Proprietary Limited, Richmond, Victoria, Australia. Signaling means for cash registers and the like. 1,952,673; Mar. 27.
- Johnston, Byron A., New York, N. Y. Tobacco pipe. 1,955,747; Apr. 24.
- Johnston, Carey W., Newark, N. J. Tire deflation indicator switch. 1,956,578; May 1.
- Johnston, Charles W., Portsmouth, Va. Container for compressed gases and liquids. 1,984,375; Dec. 18.
- Johnston, Clarence L., Hillsborough, Calif. Multiple record sheet. 1,974,614; Sept. 25.
- Johnston, D. S., et al. (See Arsenault, L. M., and Hutchinson, assignors.)
- Johnston, David W., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to The Flintkote Company, New York, N. Y. Road building composition and preparing same. 1,985,572; Dec. 25.
- Johnston, Edward, assignor of one-third to H. Cohen, Philadelphia, Pa. Automatic gas fired incinerator and water heater. 1,957,067; May 1.
- Johnston, Edward A., Chicago, Ill. Closure for containers. 1,956,764; May 1.
- Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor drive mechanism. 1,982,436; Nov. 27.
- Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Receptacle for harvesters. 1,985,373; Dec. 25.
- Johnston, Edward A., A. C. Lindgren, Chicago, C. R. Raney, Riverside, and B. M. Hyman, Chicago, Ill., assignors to International Harvester Company. Windrow harvester. 1,944,347; Jan. 23.
- Johnston, Edward A., Chicago, C. R. Raney, Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Harvester thresher. 1,948,921; Feb. 27.
- Johnston, Edward A., and A. C. Lindgren, Chicago, Ill., assignors to International Harvester Company. Delayed discharge control for windrow harvesters. 1,982,435; Nov. 27.
- Johnston, Edward S., Troy, Ohio, assignor to The Kitchen Aid Manufacturing Company. Fruit juice extractor. 1,981,554; Nov. 20.
- Johnston, Edwin L., Houston, Tex. Pipe rack. 1,947,553; Feb. 20.
- Johnston, Edwin L., El Dorado, Ark. Float valve. 1,960,014; May 22.
- Johnston, Frances K., New York, N. Y. Medallion or similar article. Des. 92,251; May 15.
- Johnston, Frances K., New York, N. Y. Medallion or similar article. Des. 93,554; Oct. 9.
- Johnston, Frances K., New York, N. Y. Medallion or similar article. Des. 93,555; Oct. 9.
- Johnston, Frances K., New York, N. Y. Medallion or similar article. Des. 93,556; Oct. 9.
- Johnston, Frances K., New York, N. Y. Medallion or similar article. Des. 93,557; Oct. 9.
- Johnston, Frances K., New York, N. Y. Medallion or similar article. Des. 93,558; Oct. 9.
- Johnston, Georgina A., Los Angeles, Calif. Hat stand. 1,969,799; Aug. 14.
- Johnston, Greenhow, Glen Allen, assignor of one-half to G. Maury, jr., Richmond, Va. Mounting for machine guns and the like. 1,953,080; Apr. 3.
- Johnston, Harry A., Redlands, assignor to Johnston Tractor Company, Ltd., Los Angeles, Calif. Carburetor. 1,945,316; Jan. 30.
- Johnston, Harry D., Fresno, Calif. Spray nozzle. 1,974,538; Sept. 25.
- Johnston, Harry M., McKeesport, Pa., assignor to National Tube Company. Countersinking machine. 1,951,093; Mar. 13.
- Johnston, Henry W., Montreal, Quebec, Canada. Method and apparatus for screening fibers in aqueous suspension. 1,950,924; Mar. 13.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 1,944,181; Jan. 23.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Slicing machine. 1,977,067; Oct. 16.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,980,064; Nov. 6.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,980,065; Nov. 6.
- Johnston, Herbert V., Modesto, Calif. Bed spring support. 1,958,088; May 8.
- Johnston, James C., Seattle, Wash., assignor to Gladding McBean & Company. Joining bell and spigot pipe sections. 1,979,470; Nov. 6.
- Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Grading machine. 1,945,858; Feb. 6.
- Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Marking mechanism for grading machines. 1,946,583; Feb. 13.
- Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Grading machine. 1,960,847; May 29.
- Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Grading machine. 1,963,850; June 19.
- Johnston, Joseph. (See Shaw, J. F., Donnelly, and Johnston.)
- Johnston, Marriott T., assignor to Walgreen Co., Chicago, Ill. Knockdown counter fixture. 1,946,533; Feb. 13.
- Johnston, Olive A., Enid, Okla. Shadow proofing garment. 1,966,861; July 17.
- Johnston, Paul H., Davenport, Iowa. Eyeglass or spectacle mounting and making same. 1,957,836; May 8.
- Johnston, Randolph J., Fresno, Calif. Stopcock. 1,946,745; Feb. 13.
- Johnston, Richard E. (See Martin, A. A., and Johnston.)
- Johnston Tractor Company. (See Johnston, Harry A., assignor.)
- Johnston, Wayburn E., Minneapolis, Minn. Furnace regulator. 1,968,150; July 31.
- Johnston, William D., Independence, Mo. Heat conserver. 1,953,302; Apr. 3.
- Johnston, William J., assignor of one-fourth to N. V. Schooley, and one-fourth to A. S. Lashbrook, London, Ontario, Canada. Wheel press. 1,971,821; Aug. 28.
- Johnstone, Edward. (See Larson, L., and Johnstone.)
- Johnstone, Harold G., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Computing system. 1,952,868; Mar. 27.
- Johnstone, James, Portland, Oreg. Fixing furnace linings. 1,942,863; Jan. 9.
- Johnstone, Robert M., Short Hills, N. J. Paper making machine. 1,957,963; May 8.
- Johnitz, Tracy E. (See Lewis, W. A., and Johnitz.)
- Joiner, Sylvester L., Sweetwater, Tex. Attachment for pressure retaining valves. 1,957,344; May 1.
- Jolkower, Dora. (See Jackson, Roy, assignor.)
- Jolliffe, Charles B., Springfield, assignor, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Method of and apparatus for hatching eggs. 1,973,532; Sept. 11.
- Jonas, Frank D., East Williston, assignor to Oxford Filing Supply Co., Brooklyn, N. Y. Filing container. 1,944,328; Jan. 23.
- Jonas, Frank D., East Williston, assignor to Oxford Filing Supply Co., Brooklyn, N. Y. Open-ended container. 1,946,795; Feb. 13.
- Jonas, Gottfried B., assignor to N. V. Phillips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube in which the active surface of the electrode emitting rays is provided with seams. 1,984,583; Dec. 18.
- Jonas, Hans, Dortmund, Germany. Electric switch. 1,968,647; July 31.
- Jonas, Julius. (See Kubler, J., and Jonas.)
- Jonas, Julius, Baden, Switzerland. Protective system. 1,953,233; Apr. 3.
- Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Direct current voltage converter. 1,953,015; Mar. 27.
- Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protective system. 1,974,139; Sept. 18.
- Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Frequency converting system. 1,980,409; Nov. 13.
- Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Grounding protection system for high voltage systems. 1,983,085; Dec. 4.
- Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric transmission line protective system. 1,983,086; Dec. 4.
- Jonas, Julius, Baden, and E. Kern, Wettingen, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Method and apparatus for preventing backfires in metal vapor rectifiers. 1,971,718; Aug. 28.
- Jonas, Leo M., New York, N. Y. Game apparatus. 1,975,724; Oct. 2.
- Jonas, Ray A., Los Angeles, Calif. Card filing system. 1,959,677; May 22.
- Jonasen, Myers, Chicago, Ill. Bed pad. 1,970,754; Aug. 21.
- Jones, Abner C., Lebanon, assignor to Lebanon Steel Foundry, Lebanon, Pa. Producing high silicon and high manganese steel. 1,941,556; Jan. 2.
- Jones, Albert S., Pittsburgh, Pa. Crossing structure. 1,981,361; Nov. 20.
- Jones, Alfred E., Spokane, Wash. Sport glasses. 1,950,925; Mar. 13.
- Jones, Alva C., Hopkinsville, Ky. Combination lock. 1,952,257; Mar. 27.
- Jones, Andrew U., Montreal, Quebec, Canada. Humidifying radiator. 1,954,177; Apr. 10.
- Jones, Arch L., Henderson, Ky. Seed-dispensing cabinet. 1,942,895; Jan. 9.

- Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Motor control system for automatic poise devices. 1,952,171; Mar. 27.
- Jones, Bonnie G., Cincinnati, Ohio. Apparatus for producing high vacuum. 1,956,765; May 1.
- Jones, Carl G., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pipe welding. 1,947,089; Feb. 13.
- Jones, Carl P., Grass Valley, Calif. Fracture appliance. 1,950,799; Mar. 13.
- Jones, Cecile R., Washington, D. C. Brassière. 1,966,174; July 10.
- Jones, Charles L. (See Beckett, R. V., and Jones.)
- Jones, Charles L., Pelham, N. Y. Method of and apparatus for supplying carbon dioxide gas. 1,951,758; Mar. 20.
- Jones, Charles L., Pelham, and J. D. Small, assignors to American Dryice Corporation, New York, N. Y. Solid carbon dioxide product and making it. 1,950,180; Mar. 6.
- Jones, Charles L., Pelham, and W. H. Fitzpatrick, Jackson Heights, N. Y., assignors, by mesne assignments, to Adico Development Corporation. Apparatus for and method of making solid carbon dioxide. 1,979,556; Nov. 6.
- Jones, Charles M., Colorado Springs, Colo. Root cutting sewer cleaning device. 1,972,402; Sept. 4.
- Jones, Charles T. (See Keall, F. B., and Jones.)
- Jones, Charles T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe rack. 1,948,666; Feb. 27.
- Jones, Charles T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole pressing machine. 1,980,340; Nov. 13.
- Jones, Charles T., Kinston, N. C. Window screen. 1,981,319; Nov. 20.
- Jones, Clarence W., T. J. Murray, and G. F. Andersen, Okanogan, Wash. Process and apparatus for dehydrating saline products. 1,984,833; Dec. 18.
- Jones, Claudius V., Jackson, Miss. Cotton chopper and cultivator. 1,963,851; June 19.
- Jones, Clifford C., Washington, D. C. Boundary layer control for airfoils. 1,980,139; Nov. 6.
- Jones, Clifford C., Washington, D. C. Boundary layer control for airfoils. 1,980,140; Nov. 6.
- Jones, Clifford W., Kansas City, Mo. Garment wrapper or bag. 1,971,107; Aug. 21.
- Jones, David C. R., and R. F. Thomson, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Dyesuff and dyesuff intermediate. 1,948,116; Feb. 20.
- Jones, David C. R., I. B. Anderson, and R. F. Thomson, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Vat dyesuffs of the dibenzanthrone series and making same. 1,974,817; Sept. 25.
- Jones, David J., assignor to MacElhone Methods, Inc., Binghamton, N. Y. Ice-cream cone. 1,942,896; Jan. 9.
- Jones, David J., Elmhurst, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system for stoker motors. 1,969,136; Aug. 7.
- Jones, De Witt O., and G. C. Krug, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of multi-ply paper board. 1,961,365; June 5.
- Jones, Edward F., San Francisco, Calif. Incense burner. 1,973,958; Sept. 18.
- Jones, Edward R. T., assignor to S. Jackson Tube Co. Inc., Brooklyn, N. Y. Machine for making welded tubing. 1,961,224; June 5.
- Jones, Edwin A., Jackson, Ohio. Manufacturing ferro alloys. 1,969,886; Aug. 14.
- Jones, Edwin A., assignor to L. J. Mueller Furnace & Company, Milwaukee, Wis. Heater casing. 1,942,103; Jan. 2.
- Jones, Edwin A., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Air duct register. 1,959,132; May 15.
- Jones, Elliott, Deer Park, Greenwich, Conn. Thumb grip for firearms. 1,962,775; June 12.
- Jones, Ellis L. (See Kindelmann, A., Jones, Pearlman, and Ostrander.)
- Jones, Ellis L., Bellair, assignor to American Sealcone Corporation, New York, N. Y. Receptacle making apparatus. 1,952,869; Mar. 27.
- Jones, Emile, and J. C. Fineout, Lansing, Mich. Automobile doorlock. 1,972,626; Sept. 4.
- Jones, Ephraim E., Pueblo, Colo. Grate structure. 1,962,958; June 12.
- Jones, Ernest R., Detroit, Mich. Die grinder. 1,948,859; Feb. 27.
- Jones, Francis J. S., Porthcawl, Wales. Pump for liquid fuel and other liquids. 1,973,486; Sept. 11.
- Jones, Frank D., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay loader. 1,959,239; May 15.
- Jones, Frank D., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Tractor pushed implement. 1,967,774; July 24.
- Jones, Frank D., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Belt drive. 1,978,582; Oct. 30.
- Jones, Frank E., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Yarn feeding means for knitting machines. 1,955,748; Apr. 24.
- Jones, Frank G., assignor to Eli Lilly and Company, Indianapolis, Ind. Preparation of lysed bacterial proteins for topical application. 1,949,375; Feb. 27.
- Jones, Fred. (See Halliday, A. L., and Jones.)
- Jones, Fred J. (See Joerger, W., Sheehan, and Jones.)
- Jones, Fred R., Des Moines, Iowa, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Electric verifying machine. 1,976,615; Oct. 9.
- Jones, George I. (See Buckham, W. C., and Jones.)
- Jones, George W., Pittsburgh, Pa. Method of and apparatus for testing gases. 1,977,481; Oct. 16.
- Jones, Harrison T., Easton, Pa. assignor to Ingersoll-Rand Company, Jersey City, N. J. Drilling tool. 1,959,919; May 22.
- Jones, Harry B., Chicago, Ill., assignor to National Equipment Corporation, Milwaukee, Wis. Apparatus for agitation of concrete. 1,952,922; Mar. 27.
- Jones, Harry C., New York, N. Y. Photomechanical printing machine. 1,959,789; May 22.
- Jones, Harry C., New York, N. Y. Photoprinting machine. 1,962,741; June 12.
- Jones, Harry C., New York, N. Y. Mechanical movement. 1,965,380; July 3.
- Jones, Harry C., New York, N. Y. Adjustable counterweight. 1,967,442; July 24.
- Jones, Harry C., New York, N. Y. Photo-mechanical machine. 1,978,462; Oct. 30.
- Jones, Hilton I. (See Alton, W. H., and Jones.)
- Jones, Howard A., Washington, D. C., dedicated to the free use of the Government and the People. Extracting rotenone from plant material. 1,942,104; Jan. 2.
- Jones, Ira M. (See Ide, Sherwood C., assignor.)
- Jones, Ira M., Milwaukee, Wis. Toggle clip. 1,949,123; Feb. 27.
- Jones, Ira M., Thiensville, Wis. Toggle clip. 1,969,013; Aug. 7.
- Jones, Irvin H., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Treating wash oil. 1,949,746; Mar. 6.
- Jones, Irvin H., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Purification of coal distillation gas by-products. 1,971,786; Aug. 28.
- Jones, Jacob, Woodinville, Wash. Mask for fowls. 1,962,395; June 12.
- Jones, James E., Anderson, Ind. Gasoline pump. Des. 92,354; May 29.
- Jones, James E., assignor of one-half to A. D. McNab, Dallas, Tex. Transmission hoist. 1,978,999; Oct. 30.
- Jones, James M., assignor of one-fifth to R. W. House, one-fifth to W. Marcum, jr., and one-fifth to J. M. Lyttle, Manchester, Ky. Air compressor. 1,946,857; Feb. 13.
- Jones, James R., assignor to Art Metal Construction Company, Jamestown, N. Y. Desk or similar article. Des. 92,847; July 24.
- Jones, Jason W., assignor to Cook Paint & Varnish Company, Kansas City, Mo. Color harmonizing chart. 1,964,260; June 26.
- Jones, Jesse S., assignor of one-half to C. O. Gouge, Jefferson City, Mo. Roof hook. 1,972,147; Sept. 4.
- Jones, John D., Portland, Ore. Bearing for electric motors and the like. 1,944,936; Jan. 30.
- Jones, John F., Brookline, Mass., assignor to The Pharis Tire and Rubber Company, Newark, Ohio. Tire or similar article. Des. 91,323; Jan. 9.
- Jones, Katie L., Kansas City, Mo. Window burglar guard and alarm. 1,942,707; Jan. 9.
- Jones, Kenneth D., and W. R. Thomas, Munhall, Pa. Filter. 1,946,744; Feb. 13.
- Jones & Lamson Machine Company. (See Bysshe, E. T., and Finn, assignors.)
- Jones & Lamson Machine Company. (See Drissner, A. E., Hoagland, Lange, Lundberg, and Lovely, assignor.)
- Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)
- Jones & Lamson Machine Company. (See Howard, Wilson F., assignor.)
- Jones & Lamson Machine Company. (See Lovely, John E., assignor.)
- Jones & Lamson Machine Company. (See Ranney, Clarence R., assignor.)
- Jones, Lara J., Crowley, La. Spark plug. 1,943,481; Jan. 16.
- Jones, Lauder W., Princeton, and R. T. Major, Westfield; said Major assignor to Merck & Co., Inc., Rahway, N. J. Acetyl-choline salts, dimethylamino-ethyl-acetate, and their production. 1,957,461; May 8.
- Jones & Laughlin Steel Corporation. (See Fieger, Frederick E., assignor.)
- Jones & Laughlin Steel Corporation. (See Graham, H. W., and Case, assignors.)
- Jones & Laughlin Steel Corporation. (See Littler, Carl W., assignor.)
- Jones & Laughlin Steel Corporation. (See Littler, C. W., and Fieger, assignors.)
- Jones & Laughlin Steel Corporation. (See St. John, Milton W., assignor.)
- Jones & Laughlin Steel Corporation. (See Troxel, Frank A., assignor.)
- Jones, Lemuel R., Petersburg, Va. Producing plastic products. 1,961,588; June 5.
- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Dewaxing of petroleum oils. Re19,303; Sept. 4.

- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Mineral oil separation. 1,953,939; Apr. 10.
- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,965,840; July 10.
- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,968,491; July 31.
- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Chilling method and apparatus. 1,978,382; Oct. 23.
- Jones, Leon B., San Francisco, Calif. Oscillating grate. 1,945,782; Feb. 6.
- Jones, Leonard, Winnipeg, Manitoba, Canada. Grain cleaning and separating machine. 1,974,309; Sept. 18.
- Jones, Lester L. (See Flanzler, J. A., and Jones.)
- Jones, Lester L. (See Flanzler, J. A., Jones, and Reisman.)
- Jones, Lester L., Oradell, N. J. Resistor. 1,944,558; Jan. 23.
- Jones, Lester L., Oradell, N. J. Radiocircuit. 1,949,475; Mar. 6.
- Jones, Lester L., Oradell, N. J. Phonograph. 1,954,246; Apr. 10.
- Jones, Lester L., Oradell, N. J. Selector system for radio receiving apparatus. 1,970,315; Aug. 14.
- Jones, Lester L., Oradell, N. J. Electrically heated utensil. 1,978,089; Oct. 23.
- Jones, Lester L., Oradell, N. J. Phonograph. 1,983,087; Dec. 4.
- Jones, Lester L., Oradell, N. J., assignor of one-third to Maxwell James, New York, N. Y. Tuned radio frequency amplifying system. 1,965,522; July 3.
- Jones, Lester L., Oradell, N. J., and T. E. Piazze, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Phonograph. 1,954,247; Apr. 10.
- Jones, Lester L., Oradell, N. J., and J. Yolles, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Radiocircuit. 1,971,487; Aug. 28.
- Jones, Lester L., Oradell, N. J., and J. A. Flanzler, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Manufacture of electron emission tubes. 1,983,668; Dec. 11.
- Jones, Lloyd, Salem, Ohio. Method and apparatus for forming pipe. 1,968,455; July 31.
- Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Maintaining moving bands in synchronism. 1,969,465; Aug. 7.
- Jones, Loyd E., Santa Monica, assignor to Food Machinery Corporation, San Jose, Calif. Machine for cleaning fresh fruit and the like. 1,946,021; Feb. 6.
- Jones, Loyd E., Santa Monica, assignor to Food Machinery Corporation, San Jose, Calif. Clean-out mechanism for fruit treating apparatus. 1,946,022; Feb. 6.
- Jones, Loyd E., Santa Monica, assignor to Food Machinery Corporation, San Jose, Calif. Clean-out mechanism. 1,946,023; Feb. 6.
- Jones, Loyd E., Santa Monica, assignor to Food Machinery Corporation, San Jose, Calif. Fruit washing machine. 1,953,906; Dec. 11.
- Jones, Loyd E., Pasadena, assignor to Food Machinery Corporation, San Jose, Calif. Brushing machine. 1,955,749; Apr. 24.
- Jones, Loyd E., Pasadena, assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for treating fruit and the like. 1,957,964; May 8.
- Jones, Loyd T. (See Kennedy, H. E., Rotermund, and Jones.)
- Jones, Louis L., Oak Park, Ill. Waterproof case. 1,966,123; July 10.
- Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Making sound records. 1,962,310; June 12.
- Jones, Lucian N. (See Smith, H. L., jr., and Jones.)
- Jones, Mabel T., Detroit, Mich. Sanitary tie rack. 1,981,510; Nov. 20.
- Jones, Maurice F., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Brush holder. 1,959,056; May 15.
- Jones, McDuffie & Stratton Corporation. (See DeMuth, Charles J., assignor.)
- Jones, Michael D. (See Hardgrove, R. M., and Jones.)
- Jones-Miller-Veeneman Corporation. (See Miller, Samuel C., assignor.)
- Jones, Oscar B., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Portable bucket elevator. 1,955,238; Apr. 17.
- Jones, Paul C., Freeport, N. Y., assignor to Haynes Stellite Company. Plowshare and forming a wear-resistant nose and cutting edge thereon. 1,972,192; Sept. 4.
- Jones, Paul W. (See Peffer, H. C., and Jones.)
- Jones, Philip D. (See Peterson, A., and Jones.)
- Jones, Phillip L., Haverhill, Mass., assignor to I. Miller & Sons, Incorporated. Automatic heel spraying machine. 1,954,210; Apr. 10.
- Jones, R. A., & Co., Inc. (See Jones, Ruel A., assignor.)
- Jones, Ralph D., et al. (See Finch, Galen B., assignor.)
- Jones, Ralph E., Fort George G. Meade, Md. Device for opening cans. 1,955,750; Apr. 24.
- Jones, Ralph H., Cincinnati, Ohio, assignor to Carter Coal Company, Washington, D. C. Coal testing apparatus. 1,955,962; Apr. 24.
- Jones, Ralph R., Evanston, Ill. Football guard. 1,944,127; Jan. 16.
- Jones, Richard W., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Electric elevator system. 1,966,206; July 10.
- Jones, Robcliff V., Bronxville, assignor to The Borden Company, New York, N. Y. Frozen confection. 1,947,010; Feb. 13.
- Jones, Robert R., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Floor covering. 1,974,279; Sept. 18.
- Jones, Robert R., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Floor covering. 1,974,280; Sept. 18.
- Jones, Robert T., jr. (See Brogdon, John S., assignor.)
- Jones, Ronald L., Muskegon, Mich. Crank case breather. 1,943,765; Jan. 16.
- Jones, Roscoe C., Jefferson, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Device for goggles and the like. 1,969,710; Aug. 7.
- Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Carton filling machine. 1,956,531; Apr. 24.
- Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Press. 1,956,532; Apr. 24.
- Jones, Ruel A., assignor to R. A. Jones & Co., Incorporated, Covington, Ky. Sheet feeding device. 1,971,962; Aug. 28.
- Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Soap press. 1,981,804; Nov. 20.
- Jones, Rufus B., Cincinnati, and J. J. Black, Newtown, assignors to The Trailer Company of America, Cincinnati, Ohio. Semitrailer. 1,982,613; Nov. 27.
- Jones, Rufus G., Riverside, Calif. Polyphase meter. 1,960,848; May 29.
- Jones, Russell C., Bronxville, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,951,420; Mar. 20.
- Jones, Russell M., New Brunswick, N. J., assignor to The Barrett Company, New York, N. Y. Fertilizer and process for the production thereof. 1,966,820; July 17.
- Jones, Samuel A., sr., et al. (See Womeldorf, Francis M., assignor.)
- Jones, Samuel G., assignor to Berkeley Machine Works & Foundry Co., Inc., Norfolk, Va. Lifting device. 1,976,996; Oct. 16.
- Jones Superior Machine Co. (See Walker, Fred G., assignor.)
- Jones, Theodore H., Trenton, N. J. Safety pin. 1,950,310; Mar. 6.
- Jones, Thomas, Scranton, Pa. Timber hoist. 1,958,824; May 15.
- Jones, Thomas B., Webster Groves, assignor to Century Electric Co., St. Louis, Mo. Cabinet or enclosure for fans. Des. 91,524; Feb. 20.
- Jones, Thomas R., assignor to Harris Seybold Potter Company, Cleveland, Ohio. Cutting machine. 1,952,073; Mar. 27.
- Jones, Tillman F. (See Tullis, B. W., and Jones.)
- Jones, W. Bartlett, Chicago, Ill. Reproduction of spatially coordinated sight and sound. 1,944,182; Jan. 23.
- Jones, W. Bartlett, Chicago, Ill. Ice-box cake and the like. 1,946,495; Feb. 13.
- Jones, W. Bartlett, Chicago, Ill. Control device. 1,950,892; Mar. 13.
- Jones, W. Bartlett, Chicago, Ill. Vacuum vapor heating system. 1,968,834; Aug. 7.
- Jones, W. Bartlett, Chicago, Ill. Combination vapor heating system. 1,968,835; Aug. 7.
- Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener installation. 1,952,439; Mar. 27.
- Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 1,963,852; June 19.
- Jones, Walter I., Arlington, assignor to United Carr Fastener Corporation, Cambridge, Mass. Forming separable snap fastener studs. 1,963,853; June 19.
- Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bag frame fastener attaching means. 1,967,671; July 24.
- Jones, Watkin F., and P. R. Hawley, Upper Darby, Pa. Sweatband for hats. 1,955,425; Apr. 17.
- Jones, Webster N., Akron, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and making the same. 1,965,463; July 3.
- Jones, Wendell M., assignor to Rotating Pumper Company, Los Angeles, Calif. Motorized counterbalance. 1,951,613; Mar. 20.
- Jones, William A. (See Kerr, H. J., and Jones.)
- Jones, William A. (See Kerr, H. J., Prentice, and Jones.)
- Jones, William A., West New Brighton, N. Y. Fan. 1,958,145; May 8.
- Jones, William A., assignor to H. A. Hayungs, Los Angeles, Calif. Sadiron base and cord support. 1,945,194; Jan. 30.
- Jones, William A., Westerleigh, Staten Island, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Safety valve. 1,970,937; Aug. 21.
- Jones, William A., Westerleigh, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,981,865; Nov. 27.
- Jones, William C., Niantic, Ill. Swing and exercising device. 1,975,463; Oct. 2.
- Jones, William J. S., Coogee near Sydney, New South Wales, Australia. Measuring and dispensing substances such as sugar. 1,966,982; July 17.

- Jones, William S., and W. Braker, assignors to E. R. Squibb & Sons, Brooklyn, N. Y. Ester of 2-carboxy-5-amino-diphenyl. 1,976,940; Oct. 16.
- Jones, Willis F., San Bernardino, Calif. Swivel cord connector. 1,957,714; May 8.
- Jongedyk, Ralph, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control system for apparatus. 1,962,742; June 12.
- Jonker, Johan L. H. (See de Boer, J. H., Jonker, and Van Gessel.)
- Jonker, Johan L. H., and K. M. VanGessel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electron discharge tube. 1,946,076; Feb. 6.
- Jonker, Johan L. H., Eindhoven, and W. Albricht, The Hague, Netherlands, assignors to Radio Corporation of America. Amplifying circuit arrangement with parallel supply. 1,957,542; May 8.
- Jonsson, Anders J., Linköping, Sweden. Capping machine for manual and mechanical driving. 1,979,110; Oct. 30.
- Jonsson, Augustinus E., Daltorp, Lidingsö, Sweden. Vacuum drying apparatus. 1,965,958; July 10.
- Jonz, Tal. (See Crawford, W. R., and Jonz.)
- Joost, John C. (See Miller, C., and Joost.)
- Joost, William E., et al. (See Ames, George E., assignor.)
- Jordan, Christopher L., Belmont, Calif. Power take-off and hoist adapted for tractors. 1,956,766; May 1.
- Jordan, Claude W. (See Ward, A. L., and Jordan.)
- Jordan, Franz, Berlin-Charlottenburg, Germany. Device for introducing superposed plates of different metals. 1,955,072; Apr. 17.
- Jordan, Franz, Berlin-Charlottenburg, Germany. Manufacturing laminated metal bands. 1,985,783; Dec. 25.
- Jordan, Franz, Berlin-Charlottenburg, Germany. Production of aluminum-plated zinc sheet. 1,985,784; Dec. 25.
- Jordan, Gustav P., Chicago, Ill. Wall covering. 1,975,324; Oct. 2.
- Jordan, Hans. (See Schoeller, W., Jordan, and Clerc.)
- Jordan, Harold B., Norfolk, Va. Fastener for two-piece neckties. 1,957,141; May 1.
- Jordan, Henry, and M. A. Dahlen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye and preparing same. 1,963,133; June 19.
- Jordan, Henry, and M. A. Dahlen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes and their preparation. 1,975,160; Oct. 2.
- Jordan, James L., Jr., and T. A. Curtis, Hartsville, S. C. Device for medicating smoke. 1,974,242; Sept. 18.
- Jordan, Kurt R., Ludenschied, Germany. Sliding clasp fastening. 1,966,963; July 17.
- Jordan, Richard H., Springfield, Mass. Dispensing device. 1,975,154; Oct. 2.
- Jordan, Rush, Dillon, Mont. Hand printer. 1,984,645; Dec. 18.
- Jordan, Sadie F. (See Robinson, Mitchell B., assignor.)
- Jordan, Wesley D., assignor to South Bend Bait Company, South Bend, Ind. Archery bow. 1,960,380; May 29.
- Jordan, William C., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,952,870; Mar. 27.
- Jordanoglou, Alexander. (See Dounis, P. L., and Jordanoglou.)
- Jorden Wine Company. (See Cleland, William B., assignor.)
- Jorgensen, Aage K., Berkeley, Calif. Tractor ladder. 1,960,588; May 29.
- Jørgensen, Axel M., Copenhagen, Denmark. Bottle closing and like machine. 1,951,936; Mar. 20.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,956,685; May 1.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,956,800; May 1.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,979,269; Nov. 6.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Latex applying top cementing machine. 1,981,956; Nov. 27.
- Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,978,538; Oct. 30.
- Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,980,410; Nov. 13.
- Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,985,256; Dec. 25.
- Jorgensen, Julius J., assignor to Kelvinator Corporation, Detroit, Mich. Hydrocarbon fuel burning system and apparatus. 1,971,488; Aug. 28.
- Josenhaus, Max. (See Hochschwender, E., and Josenhaus.)
- Joseph, Alfred, Enghien, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Apparatus for the treatment of heavy oils and other similar products with a view to their conversion into lighter products. 1,957,652; May 8.
- Joseph, James M., Fort Wayne, Ind. Air filter. 1,952,989; Mar. 27.
- Josephson, Helmer G., Saugus, Mass. Armored shoe. 1,952,758; Mar. 27.
- Josephson, Henry, Cleveland, Ohio, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake mechanism for automobiles. 1,954,529; Apr. 10.
- Josepowitz, Adolph. (See Foerste, William, assignor.)
- Joshua, Walter P., London, and H. M. Stanley, Birmingham, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of alcohol and ether. 1,960,633; May 29.
- Joshua, Walter P., London, H. M. Stanley, Tadworth, and J. B. Dymock, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of ethyl alcohol. 1,978,266; Oct. 23.
- Joshua, Walter P., London, H. M. Stanley, Tadworth, and J. B. Dymock, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of ethyl alcohol. 1,978,267; Oct. 23.
- Joshua, Walter P., London, H. M. Stanley, Tadworth, and J. B. Dymock, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of ethyl alcohol. 1,978,268; Oct. 23.
- Joshua, Walter P., London, H. M. Stanley, Tadworth, and J. B. Dymock, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of ethyl alcohol. 1,978,269; Oct. 23.
- Joshua, Walter P., London, H. M. Stanley, Tadworth, and J. B. Dymock, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of ethyl alcohol. 1,978,270; Oct. 23.
- Josinsky, John, Bayside, N. Y. Combined bathing brush and shower spray. 1,965,344; July 3.
- Josky, Walter, Hamburg, Germany. Prevention of skidding of vehicles. 1,943,917; Jan. 16.
- Josky, Walter, Hamburg, Germany. Device for applying antiskidding media to the tires of motor vehicles. 1,959,240; May 15.
- Joslin, Charles A. (See Ballou, H. M., Joslin, and Wilkin.)
- Joslin, Charles T., Feura Bush, N. Y. Combined tray or the like and amusement device. 1,973,567; Sept. 11.
- Joslin, Frank M., assignor to Inman Manufacturing Company, Inc., Amsterdam, N. Y. Blank feeder. 1,945,903; Feb. 6.
- Joslin, Louis H. (See Pirtle, H. C., and Joslin.)
- Joslin, Robert S., East Detroit, Mich. Preserving receptacle. 1,949,836; Mar. 6.
- Joss, Ernst J., Bristol, assignor to Revere Rubber Company, Providence, R. I. Method and apparatus for the manufacture of rubber thread. 1,976,348; Oct. 9.
- Josselyn, Winsor, Carmel, Calif. Brush. 1,951,023; Mar. 13.
- Josselyn, Winsor, Carmel, Calif. Armrest. 1,962,508; June 12.
- Josten, George W., Pasadena, Calif. Apparatus for automatically recording volumetric and temperature distillation data. 1,953,716; Apr. 3.
- Jourdan, Félix, Rome, Italy. Treatment of silicates with acids in order to obtain their soluble salts. 1,976,564; Oct. 9.
- Jourdan, William, Chicago, Ill. Producing compact parcels of meat. 1,963,235; June 19.
- Journal Box Servicing Corporation. (See McNamara, L. C., Conway, Bissell, Harold, and Wicker, assignors.)
- Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Communication system. 1,977,965; Oct. 23.
- Journey, Clarence J., assignor to J. F. Mahlstädt, Los Angeles, Calif. Draft door for orchard heaters. 1,963,995; June 26.
- Jowett, James H., New York, N. Y., and W. A. Smith, Jr., Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,968,892; Aug. 7.
- Joy, Ervin E., Portland, Oreg. Nondirigible aircraft. 1,956,508; Apr. 24.
- Joy, Fred T., assignor to The Mallory Hat Company, Danbury, Conn. Hat construction. 1,965,767; July 10.
- Joy, Leonard, assignor of one-half to J. G. Hart, Detroit, Mich. Battery cable connector. 1,976,941; Oct. 16.
- Joy Manufacturing Company. (See Arentzen, Einar M., assignor.)
- Joy, Mary G. (See Sauer, Louis J., assignor.)
- Joyce-Cridland Company, The. (See Hott, I. von K., and Webster, assignors.)
- Joyce-Cridland Company, The. (See Hott, I. v. K., Webster, and Raudenbaugh, assignors.)
- Joyce, Harold L., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Chicago, Ill. Gauge. 1,950,031; Mar. 6.
- Joyce, Temple N. (See Lucking, David F., assignor.)
- Joyce, William H., Jackson Heights, N. Y. Wrapper for use in hair waving processes. 1,981,362; Nov. 20.
- Joyner, Lanson B., assignor of one-half to S. C. Joyner, Pasadena, Calif. Fuel burning apparatus. 1,985,637; Dec. 25.
- Joyner, Schuyler C. (See Joyner, Lanson B., assignor.)
- Józsa, Stephen, New York, N. Y., assignor to Standard Brands Incorporated, Dover, Del. Purifying normally solid chemical compounds. 1,948,585; Feb. 27.
- Józsa, Stephen, New York, and H. C. Gore, Scarsdale, N. Y., assignors to Standard Brands Incorporated, Dover, Del. Starch paste. 1,947,295; Feb. 13.
- Jubilee Manufacturing Co. (See Gillet, Alexis F., assignor.)
- Juchter, Pieter. (See Cockrell, W. D., and Juchter.)

- Judan, Park W., St. Louis, Mo. Automobile accessory. 1,951,871; Mar. 20.
- Judd, Cornelius M., Rochester, Minn. Surgical belt. 1,951,937; Mar. 20.
- Judd, H. L., Company. (See Toelle, Walter H., assignor.)
- Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Transporting vehicles and the like. Re19,094; Feb. 27.
- Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Trailer. Des. 92,472; June 12.
- Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Truck-trailer combination. 1,975,850; Oct. 9.
- Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Vehicle spring assembly. 1,985,414; Dec. 25.
- Judd, Roy W., Baldwin Park, Calif. Safety device for belts and the like. 1,955,189; Apr. 17.
- Judelshon, Oscar I., Park Ridge, N. J. Cloth cutting machine. 1,952,209; Mar. 27.
- Judelshon Dryer Corporation. (See Judelson, Julius, assignor.)
- Judelson, Julius, New York, N. Y., assignor to Judelson Dryer Corporation, Moundsville, W. Va. Drier. 1,955,426; Apr. 17.
- Judge, Arthur J., Bellerose, N. Y. Package and container therefor. 1,946,285; Feb. 6.
- Judge, Franklin, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation. Pilot for reamers. 1,946,584; Feb. 13.
- Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Apparatus for making a tap. 1,982,736; Dec. 4.
- Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Apparatus for removing metal in a threading operation. 1,982,737; Dec. 4.
- Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Making a tap. 1,982,738; Dec. 4.
- Judsen, Lauritz, et al. (See Buchhardt, Enghardt H., assignor.)
- Judson, Wilber. (See Bacon, R. F., and Judson.)
- Judy, Paul R., assignor to Indiana Steel & Wire Company, Muncie, Ind. Coated ferrous welding electrode. 1,972,063; Aug. 28.
- Judy, Paul R., assignor to Indiana Steel & Wire Company, Muncie, Ind. Coated electrode for electric welding. 1,977,278; Oct. 16.
- Judy, Paul R., and H. R. Pennington, assignors to Indiana Steel & Wire Company, Muncie, Ind. Coated welding electrode. 1,977,277; Oct. 16.
- Juelson, Agnes, Chicago, Ill. Bake pan partition. 1,949,421; Mar. 6.
- Juelson, Agnes, Chicago, Ill. Vacuum cleaner. 1,961,225; June 5.
- Juengling, Karl F., Lakewood, Ohio. Blast furnace bell. 1,952,712; Mar. 27.
- Juengling, Karl F., Lakewood, Ohio. Hot gas gate. 1,979,885; Nov. 6.
- Juengling, Karl F., Lakewood, assignor to The Otto Kohnsow Manufacturing Company, Cleveland, Ohio. Base for devices. 1,982,254; Nov. 27.
- Juengst, Fred W. (See Hanbury, A. E., Juengst, and Anderson.)
- Juengst, Fred W., and O. M. Anderson, assignors to Landers, Frary & Clark, New Britain, Conn. Electric tea kettle. 1,975,464; Oct. 2.
- Juengst, Raymond W., assignor to The Fafnir Bearing Company, New Britain, Conn. Shackle device. 1,977,852; Oct. 23.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,404; Jan. 23.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,405; Jan. 23.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,406; Jan. 23.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,428; Jan. 30.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,628; Feb. 27.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,943; Apr. 10.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 91,944; Apr. 10.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 92,089; Apr. 24.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 92,090; Apr. 24.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 92,091; Apr. 24.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 92,092; Apr. 24.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 92,136; May 1.
- Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Textile fabric. Des. 92,137; May 1.
- Julian, Bertrand R., Omak, Wash. Electric clock. 1,978,311; Oct. 23.
- Julian & Kokenge Company, The. (See Laible, Charles L., assignor.)
- Julian & Kokenge Co., The. (See Stock, Otto F., assignor.)
- Julien, Louis F., assignor to Chamberlain Metal Weather Strip Company, Detroit, Mich. Weather strip. 1,957,598; May 8.
- Julin, Clarence E., Jamestown, N. Y. Window construction. 1,980,275; Nov. 13.
- Juline, George R., assignor to Warren Axe and Tool Co., Warren, Pa. Load binder. 1,972,346; Sept. 4.
- Julius, Awdry F. (See Julius, George A., and A. F.)
- Julius, Esther, New York, N. Y. Garment. 1,972,045; Aug. 28.
- Julius, George A. and A. F., Sydney, New South Wales, Australia. Totalizer odds indicator remote control mechanism. 1,942,336; Jan. 2.
- Julius, George A. and A. F., Sydney, New South Wales, Australia. Odds indicator transmission mechanism for totalizer machines. 1,963,907; June 19.
- Jund, Frédéric, assignor to Les Ateliers de St. Pierre, St.-Pierre, France. Clutch mechanism for use with winches. 1,964,762; July 3.
- Junferman, Joseph, Ulysses, Kans. Automatic poultry fountain. 1,971,719; Aug. 28.
- Jung, Albert H., Long Island City, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Web roll support. 1,955,917; Apr. 24.
- Jung, Anton, New York, N. Y. Mouse and animal trap. 1,967,532; July 24.
- Jung, George H., Cincinnati, Ohio. Medicated pad assembly and manufacturing same. 1,955,918; Apr. 24.
- Jung, Karl, Munich, Germany. Optical aiming-device for machine guns. 1,943,387; Jan. 16.
- Jung, Karl, Munich, Germany. Telescopic sight. 1,940,213; Feb. 6.
- Jung, Karl, Berlin, Germany. Machine for grinding the inner surfaces of cylinders or the like. 1,975,899; Oct. 9.
- Jung, Philip H., Huntingdon, assignor of one-half to T. N. Kurtz, Mount Union, Pa. Refractory brick and making. 1,942,431; Jan. 9.
- Jung, Rudolf. (See Schnitzspahn, K., and Jung.)
- Jung, Willy, Greiz, Germany. Toy top. 1,965,345; July 3.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,949,686; Mar. 6.
- Junghänel, Richard, and H. Gross, Munich, Germany. Compound for preparing matrices for printing purposes. 1,974,714; Sept. 25.
- Junghanns, Ernest L., Yonkers, assignor to Anaconda Wire & Cable Company, New York, N. Y. Cable machine capstan. 1,975,950; Oct. 9.
- Junghans, Helmut, Schramberg, Germany, assignor to Società Anonima Arturo Junghans Fabbrica D'Orologeria, Venice, Italy. Fuse for aeroplane defense projectiles. 1,969,222; Aug. 7.
- Jungmichl, Joachim. (See Hameyer, P., Meyer, and Jungmichl.)
- Junk, Carl, assignor to V. A. C. Koch, Detroit, Mich. Engine starter drive. 1,964,666; June 26.
- Junker, Otto, Lammersdorf, Germany. Electric muffler furnace. 1,974,743; Sept. 25.
- Junkers, Adolf H., Rheyt, Germany. Apparatus for winding yarn. 1,960,743; May 29.
- Junkers, Hugo. (See Matthew, John C., assignor.)
- Junkers, Hugo, Dessau, Germany. Fuel injection device for internal combustion engines. Re19,184; May 29.
- Junkers, Hugo, Dessau, Germany. Control mechanism for fuel pumps. 1,943,974; Jan. 16.
- Junkers, Hugo, Dessau, Germany. Riveting device. 1,951,914; Mar. 20.
- Junkers, Hugo, Dessau, Germany. Aircraft. 1,953,234; Apr. 3.
- Junkers, Hugo, Dessau, Germany. Structural element. 1,956,354; Apr. 24.
- Junkers, Hugo, Dessau, Germany. Internal combustion engine. 1,956,355; Apr. 24.
- Junkers, Hugo, Dessau, Germany. Driving mechanism for aircraft. 1,965,742; July 10.
- Junkers, Hugo, Dessau, Germany. Structural element. 1,972,997; Sept. 11.
- Junkers, Hugo, Dessau-in-Anhalt, Germany. Hollow structural element. 1,978,494; Oct. 30.
- Junkers, Hugo, Dessau, Germany. Member for frame work. 1,983,612; Dec. 11.
- Junkin, John C., assignor of one-fourth to W. R. Wuest, and one-fourth to J. H. Wuest, Louisville, Ky. Safety guard. 1,966,447; July 17.
- Junkins, Raymond D., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control for vapor generators. 1,967,755; July 24.
- Junkins, Raymond D., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control for vapor generators. 1,975,104; Oct. 2.
- Junod-Schubert, Edmond E., Ste-Croix Vaud, Switzerland. Sparking plug with automatic cleaning means for internal combustion engines. 1,952,948; Mar. 27.

- Junor, Donald, Beaverton, and C. A. Sharp, Portland, Oreg. Sod cutter. 1,942,708; Jan. 9.
- Jupe, William E. (See Butcher, E. G., and Jupe.)
- Jurey, Austin W. (See Jurey, Wesley F., and A. W.)
- Jurey, Wesley F. and A. W., Norcatur, Kans. Punch. 1,949,308; Feb. 27.
- Jurgens, Emil G., and H. K. Becker, assignors to Peters Machinery Company, Chicago, Ill. Carton closing machine. 1,965,897; July 10.
- Jürgens, Wilhelm E., Ottawa, Ontario, Canada. Necktie. 1,949,609; Mar. 6.
- Jurgensen, Vola M., Philadelphia, Pa., assignor to The Kendall Company, Boston, Mass. Sanitary napkin. 1,946,626; Feb. 13.
- Jurgs, Emil, et al. (See Felesina, G., and Bellmer, assignors.)
- Jurist, Alfred E. (See Christiansen, W. G., and Jurist.)
- Jurist, Alfred E. (See Christiansen, W. G., Jurist, and Moness.)
- Jurissen, Alphonsus W., Wilmington, A. B. Cox, Walnut Park, Calif., and A. M. Wood, Miri, Sarawak, Borneo, assignors to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,946,939; Feb. 13.
- Jurs, Albert E., Piedmont, assignor to Shand & Jurs Company, Berkeley, Calif. Valve control system. 1,976,445; Oct. 9.
- Jury, Frank W., assignor to The Falk Corporation, Milwaukee, Wis. Backstop mechanism for elevators. 1,963,466; June 19.
- Justheim, Clarence I. (See Stafford, J. C., and Justheim.)
- Justheim, Clarence I., Salt Lake City, Utah. Insulated dish. Re19,362; Nov. 6.
- Justheim, Clarence I., Salt Lake City, Utah. Treating steel. 1,942,173; Jan. 2.
- Justheim, Clarence I., Salt Lake City, Utah. Multiple glass top fuse plug. 1,949,016; Feb. 27.
- Justheim, Clarence I., Salt Lake City, Utah. Insulated dish. 1,956,356; Apr. 24.
- Justheim, Clarence I., Salt Lake City, Utah. Multiple fuse plug. 1,965,768; July 10.
- Justheim, Clarence I., Salt Lake City, Utah. Carburetor. 1,967,619; July 24.
- Justheim, Clarence I., Salt Lake City, Utah. Fuel device. 1,973,711; Sept. 18.
- Justheim, Clarence I., Salt Lake City, Utah. Carburetor. 1,973,712; Sept. 18.
- Justheim, Clarence I., Salt Lake City, Utah. Venturi tube. 1,973,714; Sept. 18.
- Justheim, Clarence I., Salt Lake City, Utah. Atmospherically controlled fueling system. 1,982,107; Nov. 27.
- Justheim, Clarence I., Salt Lake City, Utah, and J. C. Stafford, Dayton, Ohio; said Stafford assignor to said Justheim. Fueling system. 1,973,713; Sept. 18.
- Justheim, Clarence I., Salt Lake City, Utah, and J. C. Stafford, Dayton, Ohio; said Stafford assignor to said Justheim. Carburetor system. 1,973,715; Sept. 18.
- Justrite Manufacturing Company. (See Brown, Le Roy O., assignor.)
- Juvinal, Orla E., assignor of one-half to G. R. Martin, Danville, Ill. Meter wire cover. 1,946,796; Feb. 13.
- Jyrch, Herbert, Dresden, Germany. Resilient support for motor cars. 1,948,922; Feb. 27.
- K-D Manufacturing Company. (See Kulp, H. W., and Dellinger, assignors.)
- K-D Manufacturing Company. (See Madeira, William T., assignor.)
- Kaar, Ira J., Schenectady, N. Y., assignor to General Electric Company. Electron discharge amplifier. 1,959,165; May 15.
- Kaarstad, Mathias, Fremont, Nebr. Combined counter and display stand. Des. 92,402; June 5.
- Kabigting, Marcello C., Sierra Madre, Calif. Drill. 1,946,214; Feb. 6.
- Kabisus, Charles W., Santa Monica, Calif. Mechanical crawl stroke swimming instructor. 1,966,448; July 17.
- Kabnick, Stuart, Philadelphia, Pa. Hypodermic syringe. 1,943,120; Jan. 9.
- Kabushiki Kaisha Suzuki Shoten. (See Kanao, Seize, assignor.)
- Kabushiki Kaisha Sumitomo Seikosho. (See Saito, Seizo, assignor.)
- Kacer, Bohuslav, and M. Nobel, Prague, Czechoslovakia. Control device for motor vehicles. 1,960,414; May 29.
- Kačer, Bohuslav, and M. Nobel, Prague, Czechoslovakia. Driving mechanism. 1,981,805; Nov. 20.
- Kadavy, Godfrey J., Omaha, Nebr. Surgical instrument. 1,947,649; Feb. 20.
- Kadco Corporation. (See Hatch, Theodore F., assignor.)
- Kadel, Albert R., Victor, Kans. Multiple section agricultural implement. 1,966,799; July 17.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Draft rigging. 1,943,676; Jan. 16.
- Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, assignors to The Symington Company, New York, N. Y. Railway truck. 1,963,914; June 19.
- Kaden, Willy, and F. Stiefenhofer, Munich, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Motion picture apparatus. 1,982,739; Dec. 4.
- Kadow, August. (See Cochrane, S. S., and Kadow.)
- Kadow, August, assignor to The Green Cross Development Corporation, Toledo, Ohio. Fertilizer container for plants. 1,948,117; Feb. 20.
- Kaechele, Albert. (See Zeller, Theodore, assignor.)
- Kaefer, Walter M. (See Forbes, Robert A., assignor.)
- Kaehni, Frank J. (See Kaehni, William L. and F. J.)
- Kaehni, William L. and F. J., assignors to The Radiant Corporation, Cleveland, Ohio. Voltage supply system for vacuum tubes. 1,951,614; Mar. 20.
- Kaelin, Frederick T., Montreal, Quebec, Canada. Electric steam generator. 1,954,248; Apr. 10.
- Kaerger, Gustav A., Los Angeles, Calif. Fountain drawing pen. 1,971,525; Aug. 28.
- Kaess, Louis L., New York, N. Y. Radio direction finder. 1,983,230; Dec. 4.
- Kaestner, E. A., Company. (See Kaestner, John G., assignor.)
- Kaestner, John G., Baltimore, Md., assignor to E. A. Kaestner Company. Heat interchanger. 1,945,402; Jan. 30.
- Kaestner, John G., assignor to The E. A. Kaestner Company, Baltimore, Md. Milk cooler. 1,968,780; July 31.
- Kafka, Eduard W. (See Bauer, F., and Kafka.)
- Kagan, James, Chicago, Ill. Electric magnetic tripping device. 1,983,857; Dec. 11.
- Kägi, Emil, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Refrigerating machine. 1,951,915; Mar. 20.
- Kägi, Emil, assignor to firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Pump or compressor. 1,960,267; May 29.
- Kägi, Emil, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Stuffing box. 1,964,063; June 26.
- Kägi, Emil, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Liquid level regulating apparatus. 1,982,108; Nov. 27.
- Kagi, Hans. (See Hartmann, M., and Kagi.)
- Kahl, Ernest E., assignor to The B. Jahn Manufacturing Company, New Britain, Conn. Key milling machine. 1,945,276; Jan. 30.
- Kahl, Leopold, Charlottenburg, Germany. Recovery of indene. 1,943,078; Jan. 9.
- Kahle, Frank J., Huntington Park, and R. W. Baer, Los Angeles, Calif. Adjustable front axle for automobiles and the like. 1,946,858; Feb. 13.
- Kahlert, Fred W., Los Angeles, Calif. Dental cuspidor. 1,948,523; Feb. 27.
- Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
- Kahmann, Walter. (See Roscher, E. K., and Kahmann.)
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. Des. 91,715; Mar. 13.
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Cooking stove. Des. 92,539; June 19.
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. Des. 92,605; June 26.
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 1,947,554; Feb. 20.
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Broiler. 1,954,080; Apr. 10.
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Switch for stoves. 1,972,739; Sept. 4.
- Kahn, David, Inc. (See Yates, S. G., and Kahn, assignors.)
- Kahn, Frances E., Los Angeles, Calif. Kitchen utensil. 1,960,492; May 29.
- Kahn, Frederick L., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,967,408; July 24.
- Kahn, Herbert M. (See Morgan, C. W., and Kahn.)
- Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Floor construction. 1,947,418; Feb. 13.
- Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Metal floor beam construction. 1,967,620; July 24.
- Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Tunnel lining. 1,982,307; Nov. 27.
- Kahn, Julius, and W. F. Schulz, assignors to Truscon Steel Company, Youngstown, Ohio. Plaster supporting structure. 1,943,260; Jan. 9.
- Kahn, Julius, Youngstown, and H. E. White, Cleveland, assignors to Truscon Steel Company, Youngstown, Ohio. Tunnel liner. 1,982,308; Nov. 27.
- Kahn, Leo M., New York, N. Y. Ironing and pressing machine. 1,982,342; Nov. 27.
- Kahn, Leo M., New York, N. Y., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Automatic control mechanism for folding machines. 1,960,940; May 29.
- Kahn, Leo M., New York, N. Y., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Folding machine. 1,980,532; Nov. 13.
- Kahn, Louis. (See Lundquist, Hans G., assignor.)
- Kahn, Samuel C., assignor to Capital Paper Company, Indianapolis, Ind. Package opener. 1,943,538; Jan. 16.
- Kahrmann, Robert C., Elizabeth, N. J., assignor to Joseph W. Woods Company, Inc., New York, N. Y. Textile fabric or the like. Des. 92,355; May 29.
- Kahrmann, Robert C., Elizabeth, N. J., J. Wolf, Lynbrook, and A. Bonander, Brooklyn, assignors to Wolf Draperies Corp., New York, N. Y. Textile fabric. Des. 91,779; Mar. 20.

- Kai, Louis H., assignor to Shakespeare Products Company, Kalamazoo, Mich. Temporary binder or loose sheet holder. 1,950,985; Mar. 13.
- Kaich, Gus, Jacksonville, Tex. Signal device. 1,970,657; Aug. 21.
- Kaidy, Samuel, Enid, Okla. Towel service cabinet. 1,942,292; Jan. 2.
- Kali, Charles D., Binghamton, N. Y., assignor, by mesne assignments, to A. & J. Kitchen Tool Co., Chicago, Ill. Eggbeater. 1,965,650; July 10.
- Kaizer, Fred R., York, Pa., assignor to General Electric Company. Electrical cable. 1,952,923; Mar. 27.
- Kain, Clifford H. (See Briggs, D. E., and Kain.)
- Kaiser, Arnold E., Park Falls, Wis. Adjustable paring and slicing knife. 1,971,414; Aug. 28.
- Kaiser, Edward W., Chicago, Ill. Pipe or like device. 1,964,123; June 26.
- Kaiser, Frank, Scranton, Pa., assignor to Charles Karr Company. Pad holder. 1,959,920; May 22.
- Kaiser, Friedrich, Waiblingen, Wurttemberg, Germany. Method and device for mechanically attaching pins to fly catcher tapes. 1,981,732; Nov. 20.
- Kaiser, Karl, and C. A. Van Derveer, Michigan City, Ind., assignors to S. Karpen & Bros., Chicago, Ill. Transportation seat. 1,951,982; Mar. 20.
- Kaiser, Wilhelm J., Benrath-on-the-Rhine, and A. Kirschtaler, assignors to the firm Henkel & Cie Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Capillary-active agents. 1,969,612; Aug. 7.
- Kaizik, Karl, assignor to the firm Georg Von Giesche's Erben, Breslau, Germany. Electrodeposition of zinc. 1,984,745; Dec. 18.
- Kakaska, Henry W., South Milwaukee, assignor of one-half to F. Holt, Milwaukee, Wis. Power shovel. 1,960,589; May 29.
- Kakides, Harry, Haverhill, Mass., and J. H. Vegessy, Corona, N. Y. Jack. 1,954,178; Apr. 10.
- Kalamazoo Vegetable Parchment Company. (See Clark, Ralph S., assignor.)
- Kalamazoo Vegetable Parchment Company. (See Hayward, Ralph A., assignor.)
- Kalas, Frank T., Philadelphia, Pa. Storage battery case. Des. 91,525; Feb. 20.
- Kalb, Robert M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube circuits. 1,970,316; Aug. 14.
- Kalbfleisch, George C., and A. P. Keller, Tiffin, Ohio. Apparatus for developing and fixing photo-sensitive elements. 1,958,791; May 15.
- Kalenborn, Arion S., Redwood City, assignor to Welding Service, Inc., San Francisco, Calif. Rail slotting machine. 1,964,261; June 26.
- Kales Stamping Company. (See Zink, Fred W., assignor.)
- Kaley, John A., Elyria, Ohio. Shoe stretcher. 1,976,446; Oct. 9.
- Kalfus, Victor, New York, N. Y. Punch. 1,948,215; Feb. 20.
- Kaleren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Ladder. 1,949,076; Feb. 27.
- Kali-Chemie, Aktiengesellschaft. (See Rusberg, Friedrich, assignor.)
- Kalif Corporation. (See Pike, Robert D., assignor.)
- Kalif Corporation. (See Pike, R. D., and Krill, assignors.)
- Kalif Corporation. (See Pike, R. D., Stevenson, and Eash, assignors.)
- Kalimeris, Thomas, et al. (See Orfanos, George J., assignor.)
- Kalin, Josef, Lemoore, Calif. Oil level switch. 1,945,347; Jan. 30.
- Kalina, Loesser, Brooklyn, N. Y. Doorlock. 1,956,388; Apr. 24.
- Kalinsey, Paul W. (See Phillips, I. M., and Kalinsey.)
- Kalio Inc. (See Lieberknecht, Karl R., assignor.)
- Kalischer, Georg, Frankfort-on-the-Main, and R. Fleischbauer, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acylated cyclohexyl-phenyl-amines and preparing them. 1,944,514; Jan. 23.
- Kalischer, Georg, Frankfort-on-the-Main, Otto Limpach, Wiesbaden-Biebrich, and K. Hager, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substituted benzo-carbazole-carboxylic acid and preparing it. 1,948,923; Feb. 27.
- Kalischer, Georg, Frankfort-on-the-Main, and K. Keller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulpho derivatives of higher fatty acids. 1,949,837; Mar. 6.
- Kalischer, Georg, Frankfort-on-the-Main, and H. Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing sulphur dyestuffs. 1,952,029; Mar. 20.
- Kalischer, Georg, Frankfort-on-the-Main, and B. Honold, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuff of the anthraquinone series and making same. 1,957,599; May 8.
- Kalischer, George, Frankfort-on-the-Main, J. Nüsslein, Ludwigshafen-on-the-Rhine, and R. Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Composition for softening textile goods. 1,981,108; Nov. 20.
- Kalischer, Louis, Brooklyn, N. Y. Electric wiring strip and making same. 1,949,077; Feb. 27.
- Kalischer, Louis, Brooklyn, N. Y. Method and machine for making wiring strip. 1,954,414; Apr. 10.
- Kalite Company, Limited. (See Eaton, Leslie B., assignor.)
- Kalkanis, James N., Detroit, Mich. Candy making machinery. 1,951,872; Mar. 20.
- Kalkner, Friedrich. (See Raupach, W., and Kalkner.)
- Kallander, Ernest L., Framingham, and R. F. Charles, Concord, assignors to Dennison Manufacturing Company, Framingham, Mass. Adhesive tape. 1,956,579; May 1.
- Kalle & Co. Aktiengesellschaft. (See D'Hauterive, Guy G., assignor.)
- Kalle & Co. Aktiengesellschaft. (See Kreiger, Wilhelm, assignor.)
- Kalle & Co. Aktiengesellschaft. (See Ostwald, Ulrich, assignor.)
- Kalle & Co. Aktiengesellschaft. (See Schmidt, M. P., and von Poser, assignors.)
- Kalle & Co. Aktiengesellschaft. (See Schwalbe, W., and Schnecko, assignors.)
- Kallenbach, Edward E., New York, N. Y. Container. 1,949,162; Feb. 27.
- Kallenbach, Oscar G. H. (See Trautmann, O. E., and Kallenbach.)
- Kaller, William J., Williamsport, assignor of forty-nine percent to G. M. Rieppel, Cowanesque, Pa. Razor blade sharpener. 1,979,271; Nov. 6.
- Kalling, Bo M. S., Albyro, and C. von Delwig, Avesta, assignors to A. Johnson & Co., Stockholm, Sweden. Reducing ore. 1,964,402; June 26.
- Kalling, Bo M. S., Djursholm, and C. von Delwig, Avesta, assignors to A. Johnson & Co., Stockholm, Sweden. Purifying iron from sulphur. 1,971,041; Aug. 21.
- Kallmann, Heinz, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Signaling system. 1,985,415; Dec. 25.
- Kallus, Joseph L., Brooklyn, N. Y. Toy figure. 1,968,492; July 31.
- Kalman Steel Company. (See Kessler, Harry A., assignor.)
- Kalman Steel Company. (See White, William E., assignor.)
- Kalner, Sam, and D. Cohn, Brooklyn, N. Y. Doll construction. 1,954,320; Apr. 10.
- Kalner, Samuel, et al. (See Woschke, Erich, assignor.)
- Kalschne, Georg, Berlin, Germany, assignor to General Electric Company. Metal heating. 1,979,111; Oct. 30.
- Kalt, Otto J. (See Witty, George, assignor.)
- Kaltenbach, Robert W., Cleveland, Ohio. Car dumping apparatus. 1,967,246; July 24.
- Kaltenbach, Robert W., Cleveland Heights, Ohio. Mechanism for disengaging driving gears. 1,970,174; Aug. 14.
- Kalteyer, Frederick J., Philadelphia, Pa. Stropping device. 1,944,793; Jan. 23.
- Kalunite Company. (See Elchelberger, Frank, assignor.)
- Kalunite Company. (See Fleischer, Arthur, assignor.)
- Kalunite Company. (See Sanders, Walter M., assignor.)
- Kalunite Company. (See Stuart, Gordon R., assignor.)
- Kalwitz, Herman C., Park Ridge, Ill. Oil filled bus and switch gear. 1,944,661; Jan. 23.
- Kamborian, Jacob S., West Newton, Mass. Lasting footwear. 1,979,000; Oct. 30.
- Kamm, Oliver, T. B. Aldrich, and I. W. Grote, assignors to Parke, Davis & Company, Detroit, Mich. Obtaining gland extracts. 1,960,493; May 29.
- Kammer, Karl, Labr, Germany. Apparatus for connecting together individual articles. 1,977,946; Oct. 23.
- Kammerdiner, James A. (See Beck, Julius S., assignor.)
- Kammerdiner, James A. (See McCullough, Ira J., assignor.)
- Kammerer, Edwin. (See Berry, Bert C., assignor.)
- Kammert, William H., assignor to Industrial Patents Corporation, Chicago, Ill. Box. 1,963,272; June 19.
- Kamp, Eugen, Dortmund, assignor to the firm Vereinigte Stahlwerk Aktiengesellschaft, Dusseldorf, Germany. Manufacture of rings and especially of wheel tires. 1,956,618; May 1.
- Kamper, Andrew M., Surbiton, assignor to No-Nail Cases Proprietary Limited, London, England. Box. 1,964,852; July 3.
- Kämpf, Adolf, Dessau-Ziebigk, Germany. Viscosimeter. 1,944,933; Jan. 30.
- Kämpf, Adolf, Premnitz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial fibers. 1,960,634; May 29.
- Kämpf, Adolf, and H. Fink, Premnitz, Westhavelland, and A. Matthes, Milow, Kreis Jerichow, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of viscose. 1,955,239; Apr. 17.
- Kampf, Harold E., et al. (See Miller, Frederick W., assignor.)
- Kamrass, Ellis, New York, N. Y. Safety clip. 1,950,271; May 15.
- Kamrass, Philip, New York, N. Y. Waterproof ventilator for shoes and boots. 1,971,223; Aug. 21.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Oil filter pressure control. 1,942,554; Jan. 9.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Ventilating apparatus for dynamo-electric machines. 1,958,047; May 8.
- Kanabay, Joseph. (See Benoit, L. E., Kanabay, Brown, and Vaughan.)

- Kanai, Kunzo, Bosler, Wyo. Motorcycle frame. 1,978,312; Oct. 23.
- Kanao, Seizo, Azabu Ku, assignor to Kabushiki Kaisha Suzuki Shoten, Tokyo, Japan. Separating optically active glutamic acid without racemization. 1,976,997; Oct. 16.
- Kanard Company. (See Eberhard, Robert G.)
- Kandel, John S., Chicago, Ill. Smoking stand. Des. 92,003; Apr. 17.
- Kandetzi, Albert W., Stamford, Conn. Automobile light. Des. 92,965; Aug. 7.
- Kane, Bernard N., assignor to The Decal Products Company, East Liverpool, Ohio. Plate or similar article. Des. 92,807; July 17.
- Kane, Bernard N., assignor to The Decal Products Company, East Liverpool, Ohio. Plate or similar article. Des. 92,808; July 17.
- Kane Carburetor Corporation. (See Kane, Frank A., assignor.)
- Kane Carburetor Corporation. (See Kane, F. A., and Burnette, assignors.)
- Kane, Charles S., Montreal, Quebec, Canada. Building construction. 1,982,343; Nov. 27.
- Kane, Edmund J., Chicago, Ill. Power shovel mechanism. 1,985,876; Dec. 25.
- Kane, Frank A., assignor to Kane Carburetor Corporation, Long Island City, N. Y. Carburetor. 1,942,293; Jan. 2.
- Kane, Frank A., Long Island City, and A. R. Burnette, New York, assignors to Kane Carburetor Corporation, Long Island City, N. Y. Carburetor. 1,965,144; July 3.
- Kane, Glenn L., Sunmount, N. Y. Razor blade sharpener. 1,956,686; May 1.
- Kane, James M., Berkeley, Calif. Signal receiving system. 1,976,733; Oct. 16.
- Kane, Jacob, Rochester, N. Y. Ophthalmic mounting. Des. 92,093; Apr. 24.
- Kane, Joseph J., Galveston, Tex. Welding pipe. 1,962,350; June 12.
- Kane, Joseph J., Galveston, Tex. Welding pipe. 1,962,351; June 12.
- Kane, Joseph J., Galveston, Tex. Welding pipe. 1,962,352; June 12.
- Kane, Joseph J., Galveston, Tex. Welding and setting pipe in wells. 1,966,248; July 10.
- Kane Manufacturing Company. (See Ward, Lawrence T., assignor.)
- Kane, William E., Syracuse, N. Y. Tight wrap bending machine. 1,945,693; Feb. 6.
- Kane, William E., Syracuse, N. Y. Metal bending machine. 1,963,661; June 19.
- Kankos, Albert, Portland, Ore. Sawing machine. 1,979,001; Oct. 30.
- Kanolt, Clarence W., New York, N. Y. Mechanism for moving camera plates or shutters. 1,947,555; Feb. 20.
- Kanolt, Clarence W., New York, N. Y. Production of stereoscopic pictures. 1,950,374; Mar. 6.
- Kanolt, Clarence W., New York, N. Y. Optical objective system. 1,972,019; Aug. 28.
- Kanolt, Clarence W., New York, N. Y. Camera actuating mechanism. 1,977,310; Oct. 16.
- Kant Take-Off Nut Company, The. (See Ferguson, S. F., and Watkins, assignors.)
- Kautack & Company. (See Welden, William A., assignor.)
- Kanter, Edward, Cleveland Heights, Ohio. Drinking cup or similar article. Des. 91,407; Jan. 22.
- Kanter, Edward, Cleveland Heights, Ohio. Pitcher. Des. 91,408; Jan. 23.
- Kanter, Edward, Cleveland Heights, Ohio. Goblet. Des. 91,409; Jan. 23.
- Kanter, Edward, Cleveland Heights, Ohio. Combination shaker and decanter. Des. 91,526; Feb. 20.
- Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 92,004; Apr. 17.
- Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 92,005; Apr. 17.
- Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 92,006; Apr. 17.
- Kanter, Edward, Cleveland Heights, Ohio. Beverage set. Des. 92,312; May 22.
- Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 92,606; June 26.
- Kanter, Edward, Cleveland Heights, Ohio. Liqueur drinking set. Des. 93,403; Sept. 25.
- Kanter, Edward, Cleveland Heights, Ohio. Cocktail set. Des. 93,404; Sept. 25.
- Kanter, Edward, Cleveland Heights, Ohio. Drinking set. Des. 93,405; Sept. 25.
- Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 93,925; Nov. 27.
- Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 93,926; Nov. 27.
- Kanter, Edward, Cleveland Heights, Ohio. Wall bracket lamp. Des. 93,927; Nov. 27.
- Kanter, Sam, Chicago, Ill. Flexible attachment for smoking pipes. 1,957,169; May 1.
- Kanter, Sam, Chicago, Ill. Flexible attachment for smoking pipes. 1,971,567; Aug. 28.
- Kantor, Ely B., Atlanta, Ga. Toothbrush. 1,967,775; July 24.
- Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Automatic bottle filling mechanism. 1,968,523; July 31.
- Kaparin, Otto, Garfield, and F. G. Bauman, Clifton, N. J., assignors to B-T-A Sanitary Toothpick Dispenser Co. Inc. Dispenser. 1,959,957; May 22.
- Kapella Limited. (See Lee, Horace W., assignor.)
- Kapella Limited. (See Warmisham, Arthur, assignor.)
- Kapernick, Georg F., Frankfurt-on-the-Main, Germany, assignor to American Optical Company, Smithbridge, Mass. Spectacles. 1,984,136; Dec. 11.
- Kapfer, Albert W., Buffalo, N. Y. Clasp for scarfs, neckties, and the like. 1,968,401; July 31.
- Kapital & Industriewerte A. G. (See Dederer, Richard, assignor.)
- Kaplan, Ben, assignor to M. J. Schiffer, St. Paul, Minn. Envelope. 1,956,517; Apr. 24.
- Kaplan, Isidor, New York, N. Y. Lady's hat. Des. 92,403; June 5.
- Kaplan, Jack. (See Maxwell, E., and Kaplan.)
- Kaplan, Max, Brooklyn, N. Y. Material for making decorative devices such as artificial flowers, etc., and making such material. 1,942,174; Jan. 2.
- Kaplan, Morris, Brooklyn, N. Y. Ash tray. Des. 91,429; Jan. 30.
- Kaplan, Samuel, New York, N. Y. Reflector jewel. Des. 92,910; July 31.
- Kaplan, Samuel S. (See Meadows, A., and Kaplan.)
- Kaplan, Solis D., Philadelphia, Pa. Building. Des. 91,828; Mar. 27.
- Kaplan, William, New York, N. Y. Braid or the like. Des. 93,406; Sept. 25.
- Kaplan, William, New York, N. Y. Braid or the like. Des. 93,407; Sept. 25.
- Kaplowitz, Morris, assignor to Microphone Corporation of America, Brooklyn, N. Y. Optical reproducing device. Des. 93,622; Oct. 16.
- Kaplowitz, Morris, assignor to Microphone Corporation of America, Brooklyn, N. Y. Optical reproducing device. Des. 93,623; Oct. 16.
- Kapp, Frank E., Tidoune, Pa. Sand or sediment trap for pumping wells. Re19,096; Feb. 27.
- Kapp, Reginald O., and C. G. Carrothers, London, England. Protective arrangement for electric power lines. 1,946,859; Feb. 13.
- Kapp, Reginald O., and C. G. Carrothers, assignors of one-half to The General Electric Company Limited, London, England. Protective arrangement for alternating current polyphase power transmission systems. 1,948,717; Feb. 27.
- Kapp, Reginald O., and C. G. Carrothers, London, England, assignors to Brown Boveri & Company Limited, Baden, Switzerland. Protective arrangement for electric power lines. 1,952,258; Mar. 27.
- Kappes, Andrew C. (See Ranney, W. B., Kappes, and Johnson.)
- Kappner, Max, Cincinnati, Ohio. Abdominal truss and support. 1,966,175; July 10.
- Kaps, Richard A. (See Ducker, Louis F., assignor.)
- Karasik, Reuben, Asbury Park, N. J. Plait for sport coats and the like. 1,948,177; Feb. 20.
- Karcher, Otto, Canton, Ohio. Bottle closure. 1,644,469; June 26.
- Kardorff, Léon, Hamburg, Germany, assignor to The American Self-Selector Corp. Impulse transmitter. 1,965,121; July 3.
- Kardorff, Léon, Hamburg, Germany, assignor of one-half to H. Anderson, Brooklyn, and J. Kendler, New York, N. Y., and one-half to The American Self-Selector Corp. Impulse transmitting device. 1,965,122; July 3.
- Kardorff, Léon, Hamburg, Germany, assignor to The American Self-Selector Corp. Call forwarding system. 1,965,123; July 3.
- Karföl, Edward, New York, N. Y. Shelf-paper. Des. 91,324; Jan. 9.
- Karföl, Edward, New York, N. Y. Shelf-paper. Des. 91,430; Jan. 30.
- Karföl, Edward, New York, N. Y. Shelf paper. Des. 91,780; Mar. 20.
- Karföl, Edward, New York, N. Y. Shelf paper. Des. 92,252; May 15.
- Karföl, Edward, New York, N. Y. Dolly. Des. 92,607; June 26.
- Karföl, Edward, New York, N. Y. Dolly. Des. 92,608; June 26.
- Karföl, Edward, New York, N. Y. Dolly. Des. 92,609; June 26.
- Karföl, Edward, New York, N. Y. Dolly. Des. 92,610; June 26.
- Karföl, Edward, New York, N. Y. Dolly. Des. 92,611; June 26.
- Karföl, Edward, New York, N. Y. Dolly. Des. 93,022; Aug. 14.
- Karge, Maxwell R., Brockport, N. Y. Compressor unit construction. 1,969,137; Aug. 7.
- Karitzky, John. (See Pleister, H. W., and Karitzky.)
- Karl, Ernest, Litchfield, Conn. Grass shears. 1,973,285; Sept. 11.
- Karl, Heinrich, Jersey City, N. J. Working in the reproducing arts. 1,951,574; Mar. 20.
- Karl, Heinrich, Jersey City, N. J. Device on vehicles for protecting pedestrians. 1,972,404; Sept. 4.
- Karl, Heinrich, Jersey City, N. J. Aeroplane. 1,984,584; Dec. 18.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-foot for zigzag-stitching attachments. 1,944,515; Jan. 23.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Embroidery hoop. 1,944,690; Jan. 23.

- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Attachment for sewing machines. 1,953,016; Mar. 27.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-foot for sewing machines. 1,977,279; Oct. 16.
- Karlsson, Per H. (See Colby, H. S., and Karlsson.)
- Karlström, Adolf M. R., Hyttebruk, Sweden. Apparatus for the separation of particles from liquids. 1,943,180; Jan. 9.
- Karlström, Fredrik J. R., and J. G. Nord, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Corporation. Household appliance. Re19,256; July 24.
- Karlström, Fredrik J. R., Stockholm, Sweden, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Surface treating device. 1,983,640; Dec. 11.
- Karmac, Inc. (See Karnell, Robert D., assignor.)
- Karmal, Philip. (See Norton, C., and Karmal.)
- Karmazin Engineering Company. (See Karmazin, John, assignor.)
- Karmazin, John, assignor to Karmazin Engineering Company, Detroit, Mich. Radiator. 1,960,941; May 29.
- Karnell, Robert D., assignor to Karmac, Inc., Cleveland, Ohio. Signal chime. Des. 91,393; Jan. 23.
- Karnes, James C., Buffalo, N. Y. Plotting device. 1,949,422; Mar. 6.
- Karnes, James C., U. S. Army, Buffalo, N. Y. Compass. 1,973,716; Sept. 18.
- Karnes, James C., Buffalo, N. Y., and G. J. Kessenich, Madison, Wis. System of and apparatus for visually interpreting the operation of a control mechanism. 1,968,836; Aug. 7.
- Karnes, Orin E., Caldwell, Tex. Display stand. 1,954,935; Apr. 17.
- Karnes, Orin E., Caldwell, Tex. Display stand. 1,983,858; Dec. 11.
- Karnopp, Karl W., Winnetka, Ill. Sterilizing apparatus. 1,967,472; July 24.
- Karns, Charles B. (See Miller, C. A., and Karns.)
- Karns, George M., Pittsburgh, Pa., assignor to Iodine Educational Bureau, Inc. Insecticide and/or fungicide. 1,964,518; June 26.
- Karns, Melvin E. (See Sinnett, C. M., and Karns.)
- Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Picture receiver. 1,962,447; June 12.
- Karollus, Edmund, Vienna, Austria. Blasting and dynamiting. 1,974,281; Sept. 18.
- Karow, Wilhelm F. K., Jackson, Miss. Shoe last. 1,971,108; Aug. 21.
- Karp, Edward H., Lombard, Ill. Adjustable joist framer. 1,969,014; Aug. 7.
- Karpe, Margaret W., Los Angeles, Calif. Auxiliary game table or similar article. Des. 93,275; Sept. 11.
- Karpen, S., & Bros. (See Kaiser, K., and Van Derveer, assignors.)
- Karpen, S., & Bros. (See Lofman, Charles, assignor.)
- Karpen, S., & Bros. (See Van Derveer, C. A., and Beck, assignors.)
- Karper, Abraham S., New York, N. Y. Closure. 1,952,627; Mar. 27.
- Karpf, Charles O., New York, N. Y., assignor to Mannington Mills, Incorporated, Salem, N. J. Floor covering. Des. 91,431; Jan. 30.
- Karpf, Charles O., New York, N. Y., assignor to Mannington Mills, Incorporated, Salem, N. J. Floor covering. Des. 91,432; Jan. 30.
- Karpf, Charles O., New York, N. Y., assignor to Mannington Mills, Incorporated, Salem, N. J. Floor covering. Des. 91,463; Feb. 6.
- Karr, Charles, Company. (See Dyer, Clare T., assignor.)
- Karr, Charles, Company. (See Kaiser, Frank, assignor.)
- Karr, Charles D., Holland, Mich. Spring assembly. 1,964,950; July 3.
- Karr, Moses M., Oneida, Wis. Electric ignition feeler. 1,952,259; Mar. 27.
- Karrer, Hans, Uzwil, Switzerland. Machine for the wet treatment of fabrics. 1,946,627; Feb. 13.
- Karrick, Lewis C., New York, N. Y. Apparatus for coking bituminous liquids and the like. 1,942,650; Jan. 9.
- Karrick, Lewis C., Salt Lake City, Utah. Destructive distillation of solid carbonizable material. 1,945,530; Feb. 6.
- Karrick, Lewis C., Salt Lake City, Utah. Production of gas, oil, and other products. 1,950,558; Mar. 13.
- Karrick, Lewis C., Salt Lake City, Utah. Destructively distilling solid carbonaceous material. 1,958,918; May 15.
- Karrick, Lewis C., and W. L. Ellerbeck, Salt Lake City, Utah. Calcining gypsum. 1,967,029; July 17.
- Karron, David, Inc. (See Prabar, Robert, assignor.)
- Karron, David, Brooklyn, N. Y. Hand bag frame. Des. 93,718; Oct. 30.
- Karron, David, Brooklyn, N. Y. Hand bag frame. Des. 93,719; Oct. 30.
- Karron, David, Brooklyn, N. Y. Hand bag frame. Des. 93,720; Oct. 30.
- Karron, David, Brooklyn, N. Y. Hand bag frame. Des. 93,721; Oct. 30.
- Karron, David, Brooklyn, N. Y. Hand bag frame. Des. 93,722; Oct. 30.
- Kars, Jaap, et al. (See Koning, Johan M. H., assignor.)
- Karsel, William, assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Pouring spout for cans. 1,952,674; Mar. 27.
- Karschner, George C., Detroit, Mich. Fertilizer nozzle attachment. 1,964,064; June 26.
- Kartaschoff, Valentin, and O. Knecht, assignors to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of nondeying metalliferous sulphurized phenol derivatives. 1,943,179; Jan. 9.
- Karter, Harry B., Garden City, N. Y. Spraying device. 1,981,623; Nov. 20.
- Karthauss, Ferdinand J. F., Probolinggo, Java. Purifying used mineral lubricating oils. 1,982,992; Dec. 4.
- Karthäuser, Bruno, Berlin, Germany, assignor to American Engineering Company, Philadelphia, Pa. Chute for material to be shot. 1,047,011; Feb. 13.
- Kartowicz, Frank G., Riverside, Ill. Building unit. 1,963,410; June 19.
- Kartscheke, Frederick W. (See Hennessey, S. W., and Kartscheke.)
- Kasanof, David R. (See Klein, Samuel.)
- Kasarjian, Armen A., Jackson Heights, assignor to Mosler Ignition Corporation, New York, N. Y. Spark plug. 1,953,580; May 15.
- Kasch, Charles H., assignor to Geo. D. Roper Corporation, Rockford, Ill. High pressure gear pump. 1,963,705; June 19.
- Kasch, Henry J., assignor to The Kurz-Kasch Company, Dayton, Ohio. Knob. Des. 93,624; Oct. 16.
- Kasdan, Nathan, New York, N. Y. Cosmetic container. 1,942,928; Jan. 9.
- Kasdan, Nathan, New York, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Vanity case. 1,959,629; May 22.
- Kasden, Louis J. (See Kiernan, J. P., Cottle, and Sheehan, assignors.)
- Kaseno Products Company. (See Marvin, Charles O., assignor.)
- Kashner, Wilmer C. (See Scholer, W., and Kashner.)
- Kasper, Karl A. (See Closmann, E. A., Vorsatz, and Kasper.)
- Kasper, Walter F., Fairmont, Minn., assignor, by mesne assignments, to Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria. Railroad vehicle. 1,984,746; Dec. 18.
- Kasperson, Frank H., New Haven, Conn. Self-justifying beam-scale. 1,942,709; Jan. 9.
- Kass, Peter. (See Goodwin, G. S., and Kass.)
- Kassay, Martin, Tarentum, Pa., assignor of one-half to E. Cimbara, Avoca, N. Y. Wood sawing machine. 1,947,397; Feb. 13.
- Kasser, Morris, San Francisco, Calif. Carton for eggs and the like. 1,976,403; Oct. 9.
- Kassner, Ernst E., Berlin, Germany, assignor to Ternion A.-G., Glarus, Switzerland. Oscillator-radiator. 1,951,731; Mar. 20.
- Kast, Edward R., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet or signature delivery mechanism. 1,944,712; Jan. 23.
- Kast, Edward R., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet or signature separating and feeding mechanisms. 1,948,038; Feb. 20.
- Kasten, Alfred W., assignor to National Biscuit Company, New York, N. Y. Display fixture. 1,959,001; May 15.
- Kasten, Joseph H., and H. McIntosh, Hicksville, N. Y. Invalid vehicle. 1,949,163; Feb. 27.
- Kastenholz, Edward J. (See Hofer, A., and Danninger, assignors.)
- Kastenhuber & Lehrfeld. (See Woodward, John E., assignor.)
- Kastle, Clarence M., Cumberland, Md. Container closure. 1,963,236; June 19.
- Kato, Yogoro, Ebara-ku, and T. Takei, Shinagawa-ku, Tokyo, Japan, assignors to The Mitsubishi Denki Kabushiki-Kaisha. Permanent magnet and manufacturing same. 1,976,230; Oct. 9.
- Katt, Sam, assignor of one-third to M. Marsack, one-third to N. Marsack, and one-third to S. Marsack, Sheboygan, Wis. Anchoring device for tufting buttons. 1,950,613; Mar. 13.
- Katterjohn, August H., assignor to Gardner-Denver Company, Denver, Colo. Rock drill feed mechanism. 1,971,685; Aug. 28.
- Kattrein, William J., assignor to Watervliet Tool Company, Inc., Albany, N. Y. Glaze breaking tool for gas engine valve seats. 1,943,895; Jan. 13.
- Katz, Abraham M., assignor to Ideal Novelty & Toy Company, Brooklyn, N. Y. Doll. 1,949,867; Mar. 6.
- Katz, Alexander S., Brooklyn, N. Y. Paper dispensing device. 1,975,792; Oct. 9.
- Katz, Alexander S., Brooklyn, N. Y. Paper dispensing device. 1,977,187; Oct. 16.
- Katz, David. (See Deinet, J., and Katz.)
- Katz, Henry, and A. Bogart, Paterson, N. J. Man's shirt. 1,971,489; Aug. 28.
- Katz, Isak, Brooklyn, N. Y., and J. Dumbelton, Newark, N. J. Metal shelving structure. 1,962,396; June 12.
- Katz, Martin, Brooklyn, N. Y. Metal door saddle. 1,945,859; Feb. 6.
- Katz, Martin, Brooklyn, N. Y. Mail chute. 1,953,485; Apr. 3.
- Katz, Martin, Brooklyn, N. Y. Window glass mounting. 1,978,090; Oct. 23.
- Katz, Mayer, and B. Koch, West New York, N. Y. Loop cutter for embroidered materials. 1,968,688; July 31.
- Katz, Norman, Tulsa, Okla. Honk. 1,949,309; Feb. 27.
- Katz & Ogush, Inc. (See Ogush, Benjamin, assignor.)

- Katz, Paul, Woodhaven, N. Y. Automatic flow regulator. 1,967,577; July 24.
- Katz, Rose. (See Price, Inez M., assignor.)
- Katz, Samuel J., assignor of one-third to C. L. Murn, New York, N. Y., and one-third to T. C. Bieletz, Brookdale, N. J. Display stand. 1,964,880; July 3.
- Katz, Walter, Schenectady, N. Y. Permanent waving rod. 1,954,736; Apr. 10.
- Katzenberger, William, Industry, Ill. Road drag. 1,962,990; June 12.
- Katzinger, Edward. (See Kluge, K., and Berthold, assignors.)
- Katzinger, Edward, Company. (See Jackson, Joseph G., assignor.)
- Katzinger, Edward, Company. (See Kollman, Jacob, assignor.)
- Katzman, Harris, Brooklyn, N. Y. Toilet cabinet. 1,966,800; July 17.
- Katzman, Harris and S., Brooklyn, N. Y. Mounting for mirrors. 1,956,173; Apr. 24.
- Katzman, Max, Utica, N. Y. Electric vaporizer. Re19,367; Nov. 6.
- Katzman, Max, Utica, assignor to Kaz Manufacturing Company, Inc., New York, N. Y. Electric vaporizer. Re19,368; Nov. 6.
- Katzman, Max., assignor to Kaz Manufacturing Company, Inc., Utica, N. Y. Electric vaporizer. 1,980,066; Nov. 6.
- Katzman, Samuel. (See Katzman, Harris and S.)
- Katzman, Samuel, Brooklyn, N. Y. Laundry receptacle. 1,959,790; May 22.
- Katzow, Abraham, Indianapolis, Ind. Refrigerating system. 1,961,297; June 5.
- Kaubisch, Clemens. (See Brunn, W., and Kaubisch.)
- Kauchack, Michael, Pittsfield, Pa. Valve. 1,982,167; Nov. 27.
- Kaufman, Albert J., New York, N. Y. Changeable advertising exhibitor. 1,972,422; Sept. 4.
- Kaufman, Casper J. (See Urban, Claude E., assignor.)
- Kaufman, David U., Nampa, Idaho. Sander drum. 1,976,565; Oct. 9.
- Kaufman, George M., Baltimore, Md. Shoe lace fastener. 1,957,600; May 8.
- Kaufman, Jack J. (See Socoloff, E., and Kaufman.)
- Kaufman, Lester S. (See Brumbaugh, I. V., Burnside, and Kaufman.)
- Kaufman, Robert T., Harrisburg, Pa. Hedge trimmer. 1,980,865; Nov. 13.
- Kaufman, Theodore, jr. (See Doyle, G. F., and Kaufman.)
- Kaufman, Walter L., 2d, Youngstown, Ohio. Safety clothes wringer. 1,944,433; Jan. 23.
- Kaufman, Walter L., 2d, Youngstown, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,962,093; June 5.
- Kaufman, Walter L., 2d, Youngstown, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,976,231; Oct. 9.
- Kaufman, Walter L., 2d., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,955,190; Apr. 17.
- Kaufman, Walter L., 2d, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,970,095; Aug. 14.
- Kaufman, Walter L., 2d, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,976,232; Oct. 9.
- Kaufmann, Hans O., assignor to Buffalo Electro-Chemical Co. Inc., Buffalo, N. Y. Producing porous gypsum products. 1,946,077; Feb. 6.
- Kaufmann, William M., assignor to National Transit Pump & Machine Company, Oil City, Pa. Indicator mechanism for internal combustion engines. 1,972,228; Sept. 4.
- Kaufhold, Robert, Feldkirch, Austria, assignor to the firm Koh-I-Noor-Bleistiftfabrik L. & C. Hardtmuth Ceske Budejovice, Czechoslovakia. Coloring silver images. 1,974,334; Sept. 18.
- Kaufer, Felix. (See Halbig, P., and Kaufer.)
- Kaufer, Felix. (See Halbig, P., Kaufer, and Deger.)
- Kaufman, Albert T., Freeman, S. Dak. Wire reeler. 1,961,668; June 5.
- Kaufman, Charles, Garfield Heights, Ohio, assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Screw and bolt and making the same. Re19,343; Oct. 23.
- Kaufman, Charles A., New York, N. Y. Hosiery and the manufacture thereof. 1,969,307; Aug. 7.
- Kaufman, Gus, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Grease and method of lubrication. 1,952,012; Mar. 20.
- Kaufman, Gus, Beacon, assignor to The Texas Company, New York, N. Y. Grease and its manufacture. 1,966,821; July 17.
- Kaufman, Gus, Beacon, assignor to The Texas Company, New York, N. Y. Grease and its manufacture. 1,971,750; Aug. 28.
- Kaufman, Herman, Bellmore, N. Y., assignor to Dupont Viscoloid Company, Wilmington, Del. Making pyroxylin tubing. 1,962,077; June 5.
- Kaufman, Isaac, et al. (See Zaiden, David, assignor.)
- Kaufman, Jacob, et al. (See Zaiden, David, assignor.)
- Kaufman, Louis. (See Sobie, J., Kaufman, and Graff.)
- Kaufman, Samuel, et al. (See Zaiden, David, assignor.)
- Kaufman, Sidney M. (See Hoffheimer, A. B., and Kaufman.)
- Kaufman, Wolf, New York, N. Y. Pay station telephone lock. 1,955,462; Apr. 17.
- Kaufmann, Albert, Zuchwil, assignor to Scintilla Aktiengesellschaft, Solothurn, Switzerland. Electric starting motor for internal combustion engines. 1,963,947; Aug. 7.
- Kaufmann, Ary, South Orange, N. J., assignor to K. Kaufmann & Co., Inc. Traveling case. 1,964,820; July 3.
- Kaufmann, Ary, South Orange, N. J., assignor to K. Kaufmann & Co., Inc. Portfolio. 1,983,036; Dec. 4.
- Kaufmann, Hans, Munster, Germany. Producing compositions of matter containing sulphur in colloidal distribution. 1,949,797; Mar. 6.
- Kaufmann, Hans, Jena, Germany. Making saturated acids, by simultaneous dissociation and hydrogenation. 1,952,871; Mar. 27.
- Kaufmann, Herbert, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,965,192; July 3.
- Kaufmann, Herbert, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio. Printer carriage control for cash registers. 1,983,698; Dec. 11.
- Kaufmann, James J., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Baking apparatus. 1,966,410; July 10.
- Kaufmann, James J., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Cooking apparatus. 1,966,411; July 10.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Warp stop motion. 1,947,992; Feb. 20.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Warp stop motion. 1,949,747; Mar. 6.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Stop motion for looms. 1,962,509; June 12.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 1,970,175; Aug. 14.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Apparatus for weaving pile fabrics. 1,985,208; Dec. 18.
- Kaufmann, K. & Co., Inc. (See Kaufmann, Ary, assignor.)
- Kaufmann, K. & Co. (See Lacher, Samuel, assignor.)
- Kaufmann, Richard H., Schenectady, N. Y., assignor to General Electric Company. Electrical regulating system. 1,959,166; May 15.
- Kaufmann, Werner, Berlin-Siemensstadt, Germany, assignor, by mesne assignments to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,942,294; Jan. 2.
- Kaufmann, Werner R., East Elmhurst, Long Island, assignor to Yale Fabrics Corporation, New York, N. Y. Textile fabric. Des. 92,094; Apr. 24.
- Kaufmann, Wilhelm, Geneva, Switzerland. Automatic rating of watches, clocks, and any other kind of timepiece. 1,958,825; May 15.
- Kaumagraph Company. (See Lawrence, Winthrop S., assignor.)
- Kaumagraph Company. (See Lawrence, W. S., Tuma, and Hutton, assignors.)
- Kaumagraph Company. (See Marston, T., and Miller, assignors.)
- Kaunitz, Fred E. and L. R., Bay City, Mich. Trailer. Des. 93,873; Nov. 20.
- Kaunitz, Lester R. (See Kaunitz, Fred E. and L. R.)
- Kaup, Edgar O., Oakland, assignor to W. R. Ames Company, San Francisco, Calif. Blower mounting. 1,970,855; Aug. 21.
- Kaupmann, Frederick, Newark, N. J., assignor to Radio Fleet Owners, Inc. Escutcheon. Des. 91,882; Apr. 3.
- Kautz, Delton R., Norwood, Ohio. Motion transmitting mechanism. 1,962,659; June 12.
- Kautz, Kurt, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Welding iron, steel, and their alloys. 1,959,791; May 22.
- Kautzky, Joe, jr., Fort Dodge, Iowa. Free-line-casting level-wind reel of the nonfree-spool type. 1,942,710; Jan. 9.
- Kanzal, Gabriel P., assignor to Ject-In Limited, Sydney, New South Wales, Australia. Stock drenching instrument. 1,982,993; Dec. 4.
- Kavalco Products, Inc. (See Scott, Winfield, assignor.)
- Kavanaugh, Robert H., Bangor, Maine. Stencil. 1,954,672; Apr. 10.
- Kavanaugh, Thomas J., assignor to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerator. 1,960,911; May 29.
- Kavin, William I. (See Lawler, J., and Kavin.)
- Kavle, Oscar C., Syracuse, N. Y. Stamping machine. 1,978,136; Oct. 23.
- Kavanaugh, Harry A., and G. F. Newton; said Newton assignor to W. S. Pattison, Kansas City, Mo. Form clamp. 1,981,178; Nov. 20.
- Kawneer Company, The. (See Kneeshaw, George R., assignor.)
- Kawneer Company, The. (See Plym, Francis J., assignor.)
- Kawneer Company, The. (See Plym, F. J., and Barclay, assignors.)
- Kay-Brunner Steel Products Inc. (See Kay, Lloyd D., assignor.)
- Kay, Calvin, Tremonton, Utah. Stoker control. 1,981,454; Nov. 20.
- Kay-Fries Chemicals, Inc. (See Nicholl, Leonard, assignor.)

- Kay, Lloyd D., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Dual tired truck wheel. 1,945,277; Jan. 30.
- Kay, Lloyd D., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Dual-tired truck wheel. 1,947,911; Feb. 20.
- Kay, Robert, and A. Kruse, Elele, Hawaii. Calandria. 1,980,623; Nov. 13.
- Kay, Thad A., assignor to Freyn Engineering Company, Chicago, Ill. Adjustable supporting means. 1,955,191; Apr. 17.
- Kayatt, Philip J. (See Marvin, S. F., and Kayatt.)
- Kaye, James W., assignor to Kaye & MacDonald, Inc., West Orange, N. J. Reversing valve and valve seat assembly. 1,960,999; May 29.
- Kaye & MacDonald, Inc. (See Kaye, James W., assignor.)
- Kayko, Charles J., and P. A. Stoll, assignors to The Sparks-Withington Company, Jackson, Mich. Vacuum tube grid construction. 1,980,341; Nov. 13.
- Kayler, Frank H. (See Kinne, E. P., and Kayler.)
- Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Swivel butt coupler. 1,961,443; June 5.
- Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler and draft gear. 1,976,786; Oct. 16.
- Ka'nee Company, The. (See Oathout, Charles E., assignor.)
- Kayner, Morris S., New York, N. Y. Cigar. 1,982,168; Nov. 27.
- Kaynor, Warren F., assignor to The Waterbury Button Company, Waterbury, Conn. Wall light fixture. Des. 91,664; Mar. 6.
- Kaynor, Warren F., assignor to The Waterbury Button Company, Waterbury, Conn. Ceiling light fixture. Des. 91,665; Mar. 6.
- Kaynor, Warren F., assignor to The Waterbury Button Company, Waterbury, Conn. Ceiling light fixture. Des. 92,658; July 3.
- Kaynor, Warren F., assignor to The Waterbury Button Company, Waterbury, Conn. Ceiling light fixture. Des. 92,659; July 3.
- Kaysam Syndicate Limited. (See Hauser, Ernst A., assignor.)
- Kayser, Daniel P. A. A., Paris, France. Apparatus for the lighting of luminescent tubes. 1,942,105; Jan. 2.
- Kayser, Friedrich. (See Goth, E., Kayser, and Kühn.)
- Kayser, Johann J., Aarau, Switzerland. Spinning and like frame. 1,963,135; June 19.
- Kayser, Julius, & Co. (See Beniston, William J., assignor.)
- Kayser, Julius, & Co. (See Decker, Ellen W., and Levine, assignors.)
- Kayser, Julius & Co. (See Mutchler, A. W., and Snyder, assignors.)
- Kayser, Ralph S. (See Donovan, Francis J., assignor.)
- Kaz Manufacturing Company, Inc. (See Katzman, Max, assignor.)
- Kazenmaier, August, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Brake mechanism for vehicles. 1,957,891; May 8.
- Keall, Frank B. (See Bates, A., and Keall.)
- Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,941,942; Jan. 2.
- Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Perforating machine. 1,943,441; Jan. 16.
- Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 1,972,998; Sept. 11.
- Keall, Frank B., and H. E. Elliott, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,941,943; Jan. 2.
- Keall, Frank B., and A. Harrington, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe supporting jack. 1,960,340; May 29.
- Keall, Frank B., and A. Harrington, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe bottom finishing machine. 1,962,245; June 12.
- Keall, Frank B., and C. T. Jones, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Edge burnishing machine. 1,982,740; Dec. 4.
- Kealy, Kenneth, Oakland, Calif. Carton holder. Des. 93,660; Oct. 23.
- Kean, John S., Philadelphia, Pa. Surface radiator. 1,970,565; Aug. 21.
- Kean, John S., Philadelphia, Pa. Landing gear. 1,974,424; Sept. 25.
- Kean, Nathan K., assignor to C. & A. Lo Presti Inc., New York, N. Y. Shoe. Des. 92,141; May 1.
- Kean, Nathan K., assignor to C. & A. Lo Presti Inc., New York, N. Y. Shoe. Des. 92,142; May 1.
- Kean, Nathan K., assignor to C. & A. Lo Presti Inc., New York, N. Y. Shoe. Des. 92,143; May 1.
- Kean, Nathan K., New York, N. Y. Shoe. Des. 93,408; Sept. 25.
- Kean, Nathan K., New York, N. Y. Heel. Des. 93,479; Oct. 2.
- Kear, Collier H. (See Keatley, C. W., Woody, and Kear.)
- Kearlsley, William K., Schenectady, N. Y., assignor to General Electric Company. Surgical appliance. 1,967,888; July 24.
- Kearney, James R., St. Louis, Mo. Electrical connector. 1,943,677; Jan. 16.
- Kearney, James R., Corporation. (See Mebold, Frederick W., assignor.)
- Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
- Kearney & Trecker Corporation. (See Kearney, E. J., and Condon, assignors.)
- Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)
- Kearney, Edward J., Wauwatosa, Wis., and R. S. Condon, Rochester, N. Y., assignors to Kearney & Trecker Corporation, West Allis, Wis. Rate change device. 1,977,311; Oct. 16.
- Kearns, Bernard A., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 1,975,951; Oct. 9.
- Kearns, Bernard A., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,978,110; Oct. 23.
- Kearns, Bernard A., and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,976,130; Oct. 9.
- Kearny, Philip, New York, N. Y. Reducing valve. 1,961,589; June 5.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. X-ray equipment. 1,946,286; Feb. 6.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. X-ray equipment. 1,946,287; Feb. 6.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Electron discharge device. 1,946,288; Feb. 6.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Light control apparatus. 1,985,091; Dec. 18.
- Keasby & Mattison Company. (See Ledeboer, John W., assignor.)
- Keating, Maurice H., Minneapolis, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Antiroost device. 1,983,613; Dec. 11.
- Keatley, Charles W., Castle Shannon, G. V. Woody, Mount Lebanon, and C. H. Kear, Dormont, Pa., assignors to Koppers-Rheolaveur Company. Drier. 1,961,226; June 5.
- Keator, Edward O., Dayton, Ohio. Jack. 1,984,930; Dec. 18.
- Keck, Karl, Goppingen, Germany. Hydromechanically operated tube extrusion press. 1,976,447; Oct. 9.
- Keck, Karl, assignor to the firm: L. Schuler Aktiengesellschaft, Goppingen, Germany. Power press. 1,971,937; Aug. 28.
- Kedward, Thomas A. (See Bolton, A., and Kedward.)
- Keefe, Frederick J., New York, N. Y. Cigarette case. 1,943,678; Jan. 16.
- Keefe, John O., Evansville, Ind. Warm air furnace. 1,964,881; July 8.
- Keefe, Robert B. (See Woodward, C. B., Keefe, and Colt.)
- Keefe, Thomas C., West Roxbury, assignor to J. P. Eustis Manufacturing Company, Cambridge, Mass. Supporting bracket or similar article. Des. 92,356; May 29.
- Keefe, Thomas M., Boston, assignor to J. P. Eustis Manufacturing Company, Cambridge, Mass. Mirror or like framed article. 1,966,505; July 17.
- Keefe, Walter L., assignor to The Wolf Company, Chambersburg, Pa. Vibrator. 1,943,220; Jan. 9.
- Keefe, Walter L., assignor to H. G. Wolf, Chambersburg, Pa. Gyrotory sifter. 1,961,669; June 5.
- Keegan, James J., et al. (See Rechten, George, assignor.)
- Keele, Ralph M., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 1,942,965; Jan. 9.
- Keele, Ralph M., assignor, by mesne assignments, to Duart Manufacturing Co. Ltd., San Francisco, Calif. Hair waving apparatus. 1,969,930; Aug. 14.
- Keele, Ralph M., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 1,984,585; Dec. 18.
- Keeler Brass Company. (See Birdsall, Albert L., assignor.)
- Keeler Brass Company. (See Keeler, Isaac S., assignor.)
- Keeler, Edgar G., Long Beach, Calif. Bailer. 1,944,434; Jan. 23.
- Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Drawer pull. 1,947,942; Feb. 20.
- Keeler, Rufus B. (See Pemberton, J. W., and Keeler.)
- Keeling, Dwight H., et al. (See North, Stanley C., assignor.)
- Keeling, Stanley H., et al. (See North, Stanley C., assignor.)
- Keeling, William O., Kansas City, Mo. Apparatus for distilling hydrocarbons. 1,971,073; Aug. 21.
- Keeling, William O., Wood River, Ill., assignor, by mesne assignments, to Crown Central Petroleum Corporation, Baltimore, Md. Treating lubricating oils. 1,974,777; Sept. 25.
- Keely, Howard R., New York, N. Y. Pipe for smoking tobacco. 1,975,952; Oct. 9.
- Keely, Oren L., Oklahoma City, Okla. Antislip device. 1,978,711; Oct. 30.
- Keen, Alexis W. (See Gibbons, W. A., Hazell, and Keen.)
- Keen, Alexis W. (See Madge, N. G., and Keen.)
- Keen, Alexis W., Passaic, N. J., assignor to Revere Rubber Company, Providence, R. I. Apparatus for making rubber filaments. 1,947,090; Feb. 13.

- Keen, Alexis W., Passaic, H. T. Battin, Ridgewood, and P. C. Dutton, Nutley, N. J., assignors to Revere Rubber Company, Providence, R. I. Talcum apparatus. 1,957,270; May 1.
- Keen, Harold H., Letchworth, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,954,053; Apr. 10.
- Keen, Harold H., Letchworth, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record-card-controlled statistical machine. 1,962,743; June 12.
- Keen, Thomas A., St. Louis, Mo. Announcement board. Des. 91,666; Mar. 6.
- Keen, Thomas A., St. Louis, Mo., assignor to H. M. Smith, Chicago, Ill. Housing bracket. 1,973,872; Sept. 18.
- Keen, Thomas A., St. Louis, Mo., assignor to Hannah M. Smith, River Forest, Ill. Brake. 1,980,206; Nov. 13.
- Keen, Thomas A., St. Louis, Mo., assignor to H. M. Smith, River Forest, Ill. Dog starting apparatus. 1,983,376; Dec. 4.
- Keen, William H., Albany, assignor to C. W. Gutzzeit, New York, N. Y. Alloy steel. 1,962,598; June 12.
- Keen, William H., Albany, assignor to C. W. Gutzzeit, New York, N. Y. Corrosion resisting alloys. 1,962,599; June 12.
- Keenan, Edward T., Frostproof, Fla. Fruit juice extractor. 1,982,741; Dec. 4.
- Keenan, Edward T., Frostproof, Fla. Fruit juice extractor. 1,982,742; Dec. 4.
- Keenan, John B., et al. (See Grasso, S., and Bongiovanni.)
- Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Furnace wall. 1,972,593; Sept. 4.
- Keenan, Walter F., jr., Pelham Manor, and W. H. Hardie, assignors to Foster Wheeler Corporation, New York, N. Y. Furnace wall structure. 1,981,648; Nov. 20.
- Keeney, John H., Chicago, Ill. Game of skill. 1,966,862; July 17.
- Keeney, Karl P., St. Louis, Mo., and H. E. Turley, Chicago, Ill. Treatment of bread. 1,945,436; Jan. 30.
- Keeler Brass Company. (See Rettich, Kurt, assignor.)
- Keessing, Maurice, New York, N. Y. Smoking pipe. 1,972,148; Sept. 4.
- Kegerreis, Claude S., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Forming carbureted air mixture. 1,967,672; July 24.
- Kegl, Zoltan J., Hollywood, Calif., assignor to Electrical Research Products, Inc., New York, N. Y. Sound recording. 1,946,215; Feb. 6.
- Kegl, Zoltan J., Hollywood, Calif., and H. M. Larsen, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for controlling characteristics of a liquid. 1,944,243; Jan. 23.
- Kegley, Charles P., Pulaski, Va. Window screen. 1,950,730; Mar. 13.
- Keg-O-Klock, Inc. (See Ludwig, Lawrence C., assignor.)
- Kegresse, Adolphe, Courbevoie, France. Tread train for an endless band vehicle. 1,959,477; May 22.
- Kegresse, Adolphe, Courbevoie, France. Spark plug. 1,962,078; June 5.
- Kegresse, Adolphe, Courbevoie, France. Sparking plug for internal combustion engines. 1,962,079; June 5.
- Kegresse, Adolphe, Courbevoie, France. Endless track vehicle. 1,980,276; Nov. 13.
- Kehl, Howard A., Detroit, Mich. Combination wrist watch. 1,954,249; Apr. 10.
- Kehl, Howard A., Detroit, Mich. Combination wrist watch. 1,980,207; Nov. 13.
- Kehl, Robert J., Bayside, N. Y., assignor to Oxweld Acetylene Company. Preheating flame stabilizer for cutting blowpipes. 1,971,008; Aug. 21.
- Kehl, Robert J., Bayside, N. Y., assignor to The Linde Air Products Company. Welding apparatus. 1,979,270; Nov. 6.
- Kehl, Robert J., Bayside, N. Y., assignor to The Linde Air Products Company. Welding apparatus. 1,981,624; Nov. 20.
- Kehoe, Michael J., Springfield, Ohio. Dishwashing machine. 1,960,816; May 29.
- Kehr, Abraham B., Philadelphia, Pa. Making waxed paper bags. 1,983,939; Dec. 11.
- Kehr, Richard F., as trustee. (See Hoffman, Fred D., assignor.)
- Kehrberg, Richard F., Sheldon, Iowa. Cooling and ventilating device. 1,941,864; Jan. 2.
- Keidel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,982,438; Nov. 27.
- Keiding, Andrew, Whitefish Bay, assignor to American Lace Paper Company, Milwaukee, Wis. Molded paper article and manufacture thereof. 1,963,134; June 19.
- Keifer, Edwin F., Cleveland, Ohio, assignor to National Carbon Company, Inc. Fuse. 1,985,350; Dec. 25.
- Keighley, Lloyd M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,954,134; Apr. 10.
- Kell, Francis, & Son, Inc. (See Brantingson, Sigurd, assignor.)
- Keil, Francis, & Son, Inc. (See Hansen, Herman, assignor.)
- Keil, Francis & Son, Inc. (See Keil, Henry F., assignor.)
- Keil, Gustav B., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Combined tub and control panel for a domestic washing machine. Des. 93,276; Sept. 11.
- Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Construction for mail boxes. 1,957,271; May 1.
- Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Shelf bracket construction. 1,974,050; Sept. 18.
- Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Shelf bracket construction. 1,978,636; Oct. 30.
- Keilholtz, Lester S., Detroit, Mich., assignor to Norge Corporation. Cabinet for air-conditioning apparatus or the like. Des. 93,409; Sept. 25.
- Keim, Melville, Chicago, Ill. Vaporizer. 1,955,963; Apr. 24.
- Keir, James M., Bayside, N. Y., assignor to Oxweld Acetylene Company. Welding rod. 1,954,296; Apr. 10.
- Keir, James M., Bayside, N. Y., assignor to Oxweld Acetylene Company. Welding. 1,954,297; Apr. 10.
- Keiser, Bernhard. (See De Groote, M., Adams, and Keiser.)
- Keiser, Bernhard. (See De Groote, M., and Keiser.)
- Keiser, Bernhard. (See De Groote, M., Keiser, and Wirtel.)
- Keiser, David L., San Antonio, Tex. Current limiter. 1,943,021; Jan. 9.
- Keiser, Morris, Brooklyn, assignor, by mesne assignments, to Televoice Corporation of America, New York, N. Y. Automatic telephone message receiver and recorder. 1,973,081; Sept. 11.
- Keiser, Reuben H., Shamokin, Pa. Radiator. 1,970,317; Aug. 14.
- Keister, James, Steubenville, Ohio. Internal combustion engine. 1,951,759; Mar. 20.
- Keitel, Hans J., Friedrichshafen-on-Bodensee, Germany. Elastic rapid coupling for pipes and hoses. 1,959,630; May 22.
- Keitel, Hans J., Friedrichshafen, Germany. Fluid meter. 1,983,231; Dec. 4.
- Keitel, Otto, Selb, Germany, assignor to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 93,723; Oct. 30.
- Keith, Claude D., New York, N. Y., and J. F. O'Brien, Englewood, N. J., assignors to Charles E. Culpeper, Norwalk, Conn. Bottle carrier or carton. 1,967,621; July 24.
- Keith, Geo. E., Company. (See Caldwell, Charles H., assignor.)
- Keith, Guy H. (See Stafford, R. M., and Keith.)
- Keith, Herbert C. (See Elwell, George H., assignor.)
- Keith, Irving L. (See Bowlen, Carlos H., assignor.)
- Keith, Irving L. (See Sawyer, Albert F., assignor.)
- Keith, Irving L., Haverhill, Mass. Cementing machine. 1,960,341; May 29.
- Keith, James H., Loachapoka, Ala. Railway leveling device. 1,979,886; Nov. 6.
- Keith, Paul, Houston, Tex. Coffee dripper. 1,971,490; Aug. 28.
- Keith, Percy C. (See Forrest, H. O., Van Horn, Keith, and Crawford.)
- Keith, Percy C., jr., Bernardsville, N. J., assignor, by mesne assignments, to Gasoline Products Company, Inc. Cracking oils in vapor phase. 1,972,149; Sept. 4.
- Keith, Percy C., jr., Bernardsville, assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Cracking heavy stocks. 1,981,842; Nov. 20.
- Keith, William A., Wilmington, Del. Can hook. 1,973,568; Sept. 11.
- Keith, William G., and J. A. Manarik, Chicago, Ill., assignors to Welsbach Traffic Signal Company, Philadelphia, Pa. Signal and lighting unit. 1,954,591; Apr. 10.
- Keith, Zalda A., Wilkinsburg, Pa. Safety razor. 1,984,686; Dec. 18.
- Keith-Thomas, Cyril. (See Shepherd, O. M., and Keith-Thomas.)
- Kelch, Wilbur W., assignor to The Girard Model Works Inc., Girard, Pa. Spring motor. 1,952,713; Mar. 27.
- Kelch, Wilbur W., E. J. Opie, and F. C. Ziesenheim, assignors to The Girard Model Works Inc., Girard, Pa. Bell ringing mechanism for toys. 1,956,954; May 1.
- Kelemen, Janka, inheritor. (See Kelemen, Lewis.)
- Kelemen, Lewis, deceased, by J. Kelemen, widow and sole inheritor, and Z. Keleti, assignors to Magyar Ruggvantaárugyár Részvénytársaság, Budapest, Hungary. Producing inflatable rubber articles. 1,956,533; Apr. 24.
- Keleti, Zoltán. (See Kelemen, L., and Keleti.)
- Keley, John E., Larchmont, N. Y. Drier or blower. 1,967,713; July 24.
- Kelima G. m. b. H. (See Perkins, Heinrich, assignor.)
- Kellar, William S., Lombard, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making vibratory devices. 1,951,873; Mar. 20.
- Kellar, William S., Lombard, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making vibratory devices. 1,951,874; Mar. 20.
- Kelleher, Daniel. (See McBride, E. A., Kelleher, and Lerch.)
- Kelleher, Daniel, and E. A. McBride, assignors to Thompson Products, Incorporated, Cleveland, Ohio. Apparatus for and method of making valve spring retainer locks. 1,959,028; May 15.
- Kellems, Edgar E., New York, N. Y. Method of and apparatus for making cable grips. 1,945,195; Jan. 30.
- Kellems, Edgar E., assignor to Kellems Products, Inc., New York, N. Y. Woven wire tube. 1,966,929; July 17.
- Kellems Products, Inc. (See Kellems, Edgar E., assignor.)

- Keller, Adolph, St. Louis, Mo. Ash receiver. Des. 93,023; Aug. 14.
- Keller, Adolph, St. Louis, Mo. Rotatable table. 1,963,467; June 19.
- Keller, Andreas R., Lombard, Ill. Washing and cleaning apparatus for mash and strainer tubs. 1,983,232; Dec. 4.
- Keller, Andreas R., Lombard, Ill. Agitator. 1,944,742; Jan. 23.
- Keller, Andrew P. (See Kalbfleisch, G. C., and Keller.)
- Keller, Arthur C., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric meter. 1,955,812; Apr. 24.
- Keller, Arthur C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducer. 1,981,793; Nov. 20.
- Keller, Charles G., Poughkeepsie, N. Y. Brake. 1,947,091; Feb. 13.
- Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,952,075; Mar. 27.
- Keller, Charles G., Hyde Park, N. Y. Vehicle wheel. 1,952,076; Mar. 27.
- Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Corrugated board. 1,949,255; Feb. 27.
- Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Resinous panel board and producing same. 1,956,866; May 1.
- Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Carton and sealing it. 1,962,660; June 12.
- Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Molding apparatus. 1,984,307; Dec. 11.
- Keller, Clarence J., assignor to Delco-Remy Corporation, Anderson, Ind. Eyelet attaching device. 1,952,074; Mar. 27.
- Keller, Clarence J., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Coiled wire cutting machine. 1,975,155; Oct. 2.
- Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Furfuryl xanthate and making it. 1,969,269; Aug. 7.
- Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Producing phosphoric acid. 1,981,145; Nov. 20.
- Keller, Daniel J., Fall Brook, Calif. Display fixture. 1,964,124; June 26.
- Keller-Dorian Colorfilm Corporation. (See Gary, Alphonse, assignor.)
- Keller-Dorian Colorfilm Corporation. (See Kitroser, Isaac, assignor.)
- Keller-Dorian Colorfilm Corporation. (See Kitroser, I., and Averan, assignors.)
- Keller-Dorian Colorfilm Corporation. (See Oswald, André, assignor.)
- Keller-Dorian Colorfilm Corporation. (See Vidal, Jean L., assignor.)
- Keller-Dorian Colorfilm Corporation. (See Wright, Arthur, assignor.)
- Keller, Emil, Detroit, Mich., assignor to Michigan Steel Corporation. Break down loading mechanism. 1,955,551; Apr. 17.
- Keller, Ernest, Brooklyn, N. Y. Lollipop or similar article. Des. 92,473; June 12.
- Keller, Ernst, Basel, Switzerland. Stirring vessel. 1,983,233; Dec. 4.
- Keller, Fred, and G. F. Sager, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Duplex metal article. 1,975,105; Oct. 2.
- Keller, Frederick, and A. Rieck, Jr., Atlantic City, N. J. Automobile or vehicle headlight. 1,959,830; May 22.
- Keller, George J. (See Kradoska, Edward C., assignor.)
- Keller, George, Detroit, Mich. Lighting device for telephones. 1,985,172; Dec. 18.
- Keller, George, Philadelphia, Pa. Combination tool. 1,981,048; Nov. 20.
- Keller, Hans. (See Widmer, S., Keller, and Hürlimann.)
- Keller, Hans, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rectifier control system. 1,946,973; Feb. 13.
- Keller, Harold J. (See Steinicke, F. H., and Keller.)
- Keller, Henry C., assignor to The Lamson Company, Syracuse, N. Y. Conveyor mechanism. 1,955,427; Apr. 17.
- Keller, Henry C., assignor to The Lamson Company, Syracuse, N. Y. Conveyor apparatus. 1,963,791; June 19.
- Keller, Henry C., and L. E. Dupuy, assignors to The Lamson Company, Syracuse, N. Y. Conveyor mechanism. 1,949,964; Mar. 6.
- Keller, Herman, Pearl City, Ill. Tire chain connecting and tightening device. 1,958,826; May 15.
- Keller, John C., Vancouver, Wash. Watchcase. 1,972,522; Sept. 4.
- Keller, John M., Lakewood, Ohio. Shock absorber. 1,985,034; Dec. 18.
- Keller, Karl. (See Kalischer, G., and Keller.)
- Keller, Karl, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Nitrogen containing conversion products of higher aliphatic hydrocarbon and preparing the same. 1,948,924; Feb. 27.
- Keller, Karl, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Oxidation product of sulphur-containing derivatives of higher fatty acids and making same. 1,949,838; Mar. 6.
- Keller, Karl, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New derivatives of higher aliphatic hydrocarbons containing sulphur and making same. 1,950,850; Mar. 13.
- Keller, Karl, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Derivative of higher fatty acids and process of making same. 1,959,478; May 22.
- Keller, Karl, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphonation product of nitrogen containing conversion products of higher aliphatic hydrocarbons. 1,971,415; Aug. 28.
- Keller, Karl, Frankfort-on-the-Main-Fechenheim, and E. Gofferjé, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New hydroxylated derivatives of paraffins. 1,968,151; July 31.
- Keller, Karl O., assignor to William Oxford & Sons Limited, Sunderland, England. Reciprocating-crosshead engine. 1,979,557; Nov. 6.
- Keller, Lewis R., New York, N. Y. Musical toy. 1,982,522; Nov. 27.
- Keller, Paul W., Rawson, Ohio. Reversible barb wire holder. 1,980,919; Nov. 13.
- Keller, Rex E., Los Angeles, Calif. Playing card holder. Des. 92,357; May 29.
- Keller, Rex E., Los Angeles, Calif. Automotive transmission. 1,969,560; Aug. 7.
- Keller, Rex E., Los Angeles, Calif. Transmission mechanism. 1,969,561; Aug. 7.
- Keller, Rex E., Beverly Hills, Calif. Automatic transmission. 1,985,503; Dec. 25.
- Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Protective system for synchronous motors. 1,945,610; Feb. 6.
- Keller, Thomas H., assignor to Lanier Cone Company, Cincinnati, Ohio. Ice-cream cone. 93,410; Sept. 25.
- Keller, William H., Inc. (See Shaft, Ernest H., assignor.)
- Kellett, Thomas N., Los Angeles, Calif. Orifice meter disk housing construction. 1,958,854; May 15.
- Kellett, William P., jr. (See Kellett, William P., assignor.)
- Kellett, William P., assignor to W. P. Kellett, jr., New York, N. Y. Laminated board. 1,951,983; Mar. 20.
- Kellett, William R., Menasha, assignor to Paper Patents Company, Neenah, Wis. Paper making apparatus. 1,981,049; Nov. 20.
- Kelley-Atwell Development Corporation. (See Kelley, George S., assignor.)
- Kelley, Bertram V., Topeka, Kans. Rotary cutting or trimming machine. 1,959,241; May 15.
- Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Annealing steel. 1,944,743; Jan. 23.
- Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Cemented columbium carbide. 1,947,206; Feb. 13.
- Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Cemented carbide. 1,960,055; May 22.
- Kelley, Frederick H., assignor to G. W. Griffith Co., Franklin, N. H. Saw frame. 1,972,740; Sept. 4.
- Kelley, George L., Oxford, England, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Apparatus for welding-flash-removal. 1,958,103; May 8.
- Kelley, George L., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Removing welding flash. 1,958,146; May 8.
- Kelley, George L., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Making elastic metal stampings. 1,977,131; Oct. 16.
- Kelley, George L., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method of and apparatus for drawing sheet metal. 1,979,472; Nov. 6.
- Kelley, George L., and A. F. Hanson, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Flash removing tool. 1,958,147; May 8.
- Kelley, George N., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hitch device. 1,953,235; Apr. 3.
- Kelley, George S., Mount Vernon, assignor to Kelley Atwell Development Corporation, New York, N. Y. Dust deflector. 1,969,513; Aug. 7.
- Kelley, George S., Mount Vernon, assignor to Kelley Atwell Development Corporation, New York, N. Y. Dust deflector. 1,972,846; Sept. 4.
- Kelley, Gerard J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron tube system. 1,954,779; Apr. 10.
- Kelley, John E., Larchmont, N. Y. Combined pedestal and housing for hair driers or similar machines. Des. 92,474; June 12.
- Kelley, John E., Larchmont, N. Y. Apparatus for applying steam treatments. 1,944,348; Jan. 23.

- Kelley, John M., Rochester, N. Y. Thermostatic control. 1,952,440; Mar. 27.
- Kelley-Koeth Manufacturing Company, The. (See Gelse, George E., assignor.)
- Kelley-Koeth Manufacturing Company, The. (See Werner, Wilbur S., assignor.)
- Kelley-Koeth Manufacturing Company Incorporated, The. (See Henry, Harry N., assignor.)
- Kelley-Koeth Mfg. Co., Inc. (See Lee, William M., assignor.)
- Kelley, Leo A., Jackson Heights, assignor to International Communications Laboratories, Inc., New York, N. Y. Selective circuits for voice frequency carrier telegraph systems. 1,944,559; Jan. 23.
- Kelley, Leslie C., San Francisco, Calif. Toy track. 1,949,720; Mar. 6.
- Kelley, Patrick T., Bridgeport, Conn. Spool. 1,965,651; July 10.
- Kelley, Philip H. and R. E., Greenfield, Mass. Combined electrical connector and fuse plug. 1,950,181; Mar. 6.
- Kelley, Richard E. (See Kelley, Philip H. and R. E.)
- Kelley, Victor H., Madison, Wis. Vending machine. 1,946,078; Feb. 6.
- Kelley, Victor H., Los Angeles, Calif. Process and apparatus for treating submerged surfaces. 1,973,813; Sept. 18.
- Kelley, William. (See Belden, D. S., and Kelley.)
- Kelley, William V. D., assignor to Color-Photo, Inc., Los Angeles, Calif. Color-filter material and preparation thereof. 1,957,045; May 1.
- Kellogg, Claud W. (See Cahill, Joe, assignor.)
- Kellogg, Clyde W., Wenatchee, Wash. Typewriting machine. 1,967,941; July 24.
- Kellogg Company. (See McKay, Eugene H., assignor.)
- Kellogg Company. (See Wilder, Harold K., assignor.)
- Kellogg Corset Company. (See Greenfield, William R., assignor.)
- Kellogg, Edward W., Moorestown, N. J., assignor to General Electric Company. Film supporting and driving apparatus. Re19,270; Aug. 14.
- Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Damped mechanical filter. 1,947,543; Feb. 20.
- Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Phonograph. 1,969,755; Aug. 14.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Production of sound. 1,983,377; Dec. 4.
- Kellogg, George D. (See Hoff, L. R., and Kellogg.)
- Kellogg, Herbert C., assignor to Liquid Cooler Corporation, Detroit, Mich. Drinking fountain. 1,959,366; May 22.
- Kellogg, Herbert C., Detroit, Mich., assignor to Temp-rite Products Corporation. Refrigerating apparatus. 1,985,785; Dec. 25.
- Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Automatic stop for machine belt type. 1,946,534; Feb. 13.
- Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Hinge. 1,963,273; June 19.
- Kellogg, John H., Battle Creek, G. L. Teller, and W. K. Teller, Riverside, Ill., assignors to The Battle Creek Food Company, Battle Creek, Mich. Cocoa product and making same. 1,947,717; Feb. 20.
- Kellogg, John H., Battle Creek, Mich. Making acidophilus milk. 1,982,994; Dec. 4.
- Kellogg, Langdon C., Westfield, Mass., assignor to Gem Hammock and Fly Net Company, Milwaukee, Wis. Dust mop. 1,969,800; Aug. 14.
- Kellogg, M. W., Co. (See Austin, Harold R., assignor.)
- Kellogg, M. W., Co. (See Blumberg, H. S., and Waring, assignors.)
- Kellogg, M. W., Co., The. (See Hopkins, Robert K., assignor.)
- Kellogg, M. W., Co. (See Kidd, Alexander, assignor.)
- Kellogg, Morris W., New York, N. Y., assignor, by mesne assignments, to Taylor Forge & Pipe Works, Cicero, Ill. Method of and apparatus for forming tubular bends. 1,962,510; June 12.
- Kellogg, Spencer, and Sons, Inc. (See Schwarzman, Alexander, assignor.)
- Kellogg Switchboard and Supply Company. (See Currier, Hiram D., assignor.)
- Kellogg Switchboard and Supply Company. (See Eaton, George R., assignor.)
- Kellogg Switchboard and Supply Company. (See Eaton, G. R., and Kiner, assignors.)
- Kellogg Switchboard and Supply Company. (See Her-rick, Roswell H., assignor.)
- Kellogg Switchboard and Supply Company. (See Knudsen, Anton M., assignor.)
- Kellogg Switchboard and Supply Company. (See Pfeiffer, George S., assignor.)
- Kellogg Switchboard and Supply Company. (See Robison, Daniel B., assignor.)
- Kellogg Switchboard and Supply Company. (See Shaver, John, assignor.)
- Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)
- Kellogg, William D., J. Fradenburgh, and D. D. Dube, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Loom. 1,980,208; Nov. 13.
- Kellogg, William W., Los Angeles, Calif. Tile. Des. 91,883; Apr. 3.
- Kellogg, William W., Los Angeles, Calif. Tile. Des. 91,884; Apr. 3.
- Kellogg, William W., Los Angeles, Calif. Tile. Des. 91,885; Apr. 3.
- Kelly, Bernard D., Bidwell, assignor of one fourth to B. W. Kelly, Morral, and one fourth to F. E. Heller, Marion, Ohio. Burglarproof vault. 1,949,310; Feb. 27.
- Kelly, Bernard J. (See Elmer, J., and Kelly.)
- Kelly, Bishop W., et al. (See Kelly, Bernard D., assignor.)
- Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Support construction for radiators and the like. 1,951,331; Mar. 13.
- Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Door construction. 1,960,496; May 29.
- Kelly, Edward A., Indianapolis, Ind. Deposit coupon book. 1,955,369; Apr. 17.
- Kelly, George A., Baltimore, Md. Meat skinner. 1,975,044; Sept. 25.
- Kelly, Hugh W., Woodbridge, N. J. Track torpedo and making the same. 1,944,085; Jan. 16.
- Kelly, James J. (See McEwan, John, assignor.)
- Kelly, John. (See McCarthy, Theodore A., assignor.)
- Kelly, John B., and C. T. Majer, Philadelphia, Pa. Locking mechanism. 1,954,135; Apr. 10.
- Kelly, John F., Elkins, W. Va. Mold. 1,965,242; July 3.
- Kelly, John N., Cleveland, Ohio. Apparatus for plating articles. 1,970,458; Aug. 14.
- Kelly, John N., Cleveland, Ohio. Plating rack. 1,970,459; Aug. 14.
- Kelly, John P., Pittsfield, Mass., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Electropneumatic braking system. 1,957,653; May 8.
- Kelly, John P., Pittsfield, Mass., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Valve for train stop systems. 1,963,623; June 19.
- Kelly, John T., Oak Park, Ill. Coupling. 1,985,349; Dec. 25.
- Kelly, Joseph A., assignor to Radium Dial Company, New York, N. Y. Self-luminous device. 1,948,718; Feb. 27.
- Kelly, Joseph B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,969,559; Aug. 7.
- Kelly, Margaret J., Brooklyn, N. Y. Cinder bag and protecting cover. 1,965,040; July 3.
- Kelly, Martin J., Chicago, Ill. Mop wringer. 1,958,703; May 15.
- Kelly, Martin J., New Britain, Conn. Fuel oil burner. 1,984,137; Dec. 11.
- Kelly, Mary E. (See Kelly, William H., assignor.)
- Kelly, Orin, Columbus, Ohio. Furnace. 1,945,224; Jan. 30.
- Kelly, Orin, Columbus, Ohio. Furnace. 1,945,225; Jan. 30.
- Kelly, Pascal M., El Paso, Tex. Pneumatic jack. 1,955,635; Apr. 17.
- Kelly, Peter H., Clinton, Iowa. Reclining chair. 1,960,156; May 22.
- Kelly, Sherman L., Toledo, Ohio. Gathering tool for congealed material. 1,974,051; Sept. 18.
- Kelly-Springfield Tire Company, The. (See Brett, Henry, assignor.)
- Kelly-Springfield Tire Company, The. (See Fritch, Elue O., assignor.)
- Kelly-Springfield Tire Company, The. (See Roe, Mark W., assignor.)
- Kelly, Thomas E., Minneapolis, Minn. Sausage-linking machine. 1,974,615; Sept. 25.
- Kelly, Thomas J., Philadelphia, Pa. Cooking utensil. 1,960,942; May 29.
- Kelly, William D., Western Springs, and C. C. Rhodes, Oak Park, Ill., assignors to Edison General Electric Appliance Company, Inc. Electric heating unit. 1,960,221; May 22.
- Kelly, William H., assignor to M. E. Kelly, Los Angeles, Calif. Treating metal. 1,949,051; Feb. 27.
- Kelly, William J., Brooklyn, N. Y. Work support for shoe sewing machines. 1,949,965; Mar. 6.
- Kelly, William J., assignor of one-half to A. D. Basch, Brooklyn, N. Y. Making shoes. 1,944,560; Jan. 23.
- Kelly, William M., Westfield, N. J. Inking mechanism. 1,949,937; Mar. 6.
- Kelly, William W., Cleveland Heights, Ohio. Nut warmer. 1,945,196; Jan. 30.
- Kelly, William W., Cleveland, Ohio. Dispensing device. 1,973,347; Sept. 11.
- Kelly, William W., Cleveland, Ohio, assignor, by mesne assignments, to Glenn Offenbacher, Electric oven. 1,980,920; Nov. 13.
- Kelm, Robert L., Lake View, N. Y. Automatic variable pitch propeller. 1,953,682; Apr. 3.
- Kelman, David J., Brooklyn, N. Y. Winding machine. 1,957,068; May 1.
- Kelsall, Bernard. (See Kinsella, E. Pratt, and Kelsall.)
- Kelsen, Ernst, Vienna, Austria, assignor to Kelsen Special Sheet Holding, S. A., Luxemburg, Luxemburg. Electrolytic manufacture of iron and its alloys. 1,948,235; Feb. 20.
- Kelsen Special Sheet Holding S. A. (See Kelsen, Ernst, assignor.)
- Kelsey, Cadwallader W., Short Hills, N. J., assignor to Rototiller Inc., Long Island City, N. Y. Agricultural implement. 1,944,937; Jan. 30.

- Kelsey-Hayes Wheel Company. (See Wagenhorst, James H., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Ash, Charles S., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Batie, Joseph E., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Booth, William N., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Caswell, Benjamin, assignor.)
- Kelsey-Hayes Wheel Corporation. (See Dixon, Howard F.)
- Kelsey-Hayes Wheel Corporation. (See LeJeune, Frank H., assignor.)
- Kelsey-Hayes Wheel Corporation. (See MacLennan, John, assignor.)
- Kelsey-Hayes Wheel Corporation. (See Main, Frank L., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Maker, Dewey L., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Rosa, L. J., and Ash, assignors.)
- Kelsey-Hayes Wheel Corporation. (See Sinclair, Charles W., assignor.)
- Kelsey-Hayes Wheel Company. (See Wagenhorst, James H., assignor.)
- Kelsey-Hayes Wheel Corporation. (See White, John W., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Wilson, Edwin P., assignor.)
- Kelsey, William A., Minneapolis, Minn. Tool clamp. 1,941,840; Jan. 2.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupler operating mechanism. 1,968,689; July 31.
- Kelvinator Corporation. (See Doeg, Ralph W., assignor.)
- Kelvinator Corporation. (See Erbach, Frederick R., assignor.)
- Kelvinator Corporation. (See Gouloze, Martin J., assignor.)
- Kelvinator Corporation. (See Greenwald, Harold A., assignor.)
- Kelvinator Corporation. (See Heitman, Edward, assignor.)
- Kelvinator Corporation. (See Heitman, E., and Sack, assignors.)
- Kelvinator Corporation. (See Jorgensen, Julius J., assignor.)
- Kelvinator Corporation. (See Knapp, Andrew E., assignor.)
- Kelvinator Corporation. (See Mason, George W., assignor.)
- Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
- Kelvinator Corporation. (See Phillips, Arthur V., assignor.)
- Kelvinator Corporation. (See Vis, George A., assignor.)
- Kemet Laboratories Company, Inc. (See Cooper, Hugh S., assignor.)
- Kemet Laboratories Company. (See Holladay, James A., assignor.)
- Kemiska Kontrollbyrån Aktiebolag, et al. (See Blomqvist, G. H., and Groth, assignors.)
- Kemiska Kontrollbyrån Aktiebolag, et al. (See Groth, B. S., and Blomqvist, assignors.)
- Kemmer, Frank R., Larchmont, N. Y. Apparatus for heat exchange. 1,965,080; July 3.
- Kemmer, Frank R., Larchmont, N. Y., assignor to Magnesium Products, Inc., Wilmington, Del. Distillation and condensation. 1,955,964; Apr. 24.
- Kemmer, Frank R., Larchmont, N. Y., assignor to Magnesium Products, Inc., Wilmington, Del. Treating metal powder. 1,964,853; July 3.
- Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,963,746; June 19.
- Kemmerich, William E., Nyack, N. Y. Products adapted for the production of diazo solutions. 1,973,148; Sept. 11.
- Kemmerich, William E., Nyack, N. Y. Azo dyestuffs. 1,975,465; Oct. 2.
- Kemp, Archie R. (See Studdt, E., Kemp, and Malm.)
- Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pressure treatment of substances such as latex. 1,976,502; Oct. 9.
- Kemp, C. M., Manufacturing Company, The. (See Kemp, William W., assignor.)
- Kemp, Charles, assignor to Kemp Lock Inc., New York, N. Y. Lock. 1,977,853; Oct. 23.
- Kemp, Colin G. and L. G., Southampton, England, assignors to Radio Corporation of America. Superheterodyne radioreceiver. 1,946,746; Feb. 13.
- Kemp, Colin G. and L. G., Southampton, England, assignors to Radio Corporation of America. Receiver. 1,950,731; Mar. 13.
- Kemp, Ervin F. (See Jensen, Karl E., assignor.)
- Kemp, George L., and F. L. Fritts, Baltimore, Md. Weather stripping for windows. 1,960,157; May 22.
- Kemp, Leslie G. (See Kemp, Colin G. and L. G.)
- Kemp Lock Inc. (See Kemp, Charles, assignor.)
- Kemp, Victor W. G., Grove Park, England. Container for adhesive and the like. 1,942,248; Jan. 2.
- Kemp, William F., Santa Ana, and P. Shearer, San Diego, Calif. Automatic change-over apparatus for motion picture projectors. 1,960,817; May 29.
- Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Heating apparatus. 1,974,392; Sept. 18.
- Kempel, Arthur B. (See Tseng, A. T. K., Kempel, and Schar.)
- Kemper, Alfons, Essen-Brodene, Germany, assignor to The Koppers Company of Delaware. Refining a benzenoid hydrocarbon oil. 1,942,062; Jan. 2.
- Kemper, Charles W. and J. T., Hayward, Calif. Sectional cable clamp. 1,950,893; Mar. 13.
- Kemper, John T. (See Kemper, Charles W. and J. T.)
- Kemper, Käthe, Halver, assignor to Friedrich E. Krauss, Schwarzenburg, Germany. Linen wringing machine. 1,963,690; July 31.
- Kempf, Herman H., Brooklyn, N. Y. Registering device. 1,956,152; Apr. 24.
- Kempf, Herman H., New York, N. Y. Cartridge clip. 1,971,526; Aug. 28.
- Kempf, Karl F. W., assignor to McKaig-Hatch, Inc., Buffalo, N. Y. Upsetting machine. 1,972,051; Aug. 28.
- Kempf, Louis W. (See Dix, E. H., Jr., and Kempf.)
- Kempf, Louis W., Lakewood, and I. R. Dawson, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Alloy. 1,944,183; Jan. 23.
- Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloy. 1,959,029; May 15.
- Kempf, Willy, assignor to Stug Kohlenstaubfeuerung Patentverwertung, G. m. b. H., Cassel, Germany. Pulverized fuel furnace. 1,944,086; Jan. 16.
- Kempster, Ernest B., Jr. (See Mersereau, D. W., and Kempster, Jr.)
- Kempster, Jr., Ernest B., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,983,512; Dec. 4.
- Kempster, Jr., Ernest B., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,983,513; Dec. 4.
- Kemphorne, James L., Maplewood, N. J. Rotary engine. 1,952,260; Mar. 27.
- Kemphorne, James L., Montclair, N. J. Mechanism for pumps, compressors, and the like. 1,965,976; July 10.
- Kempton, Clarence W., Los Angeles, Calif. Rotary internal combustion motor. 1,974,282; Sept. 18.
- Kempton, Herbert E., assignor to Tuthill Pump Company, Chicago, Ill. Rotary engine. 1,972,565; Sept. 4.
- Kempton, Leslie A., Trumbull, Conn., assignor to General Electric Company. Electric wiring system. 1,967,091; July 17.
- Ken-Crip Corporation. (See Kennedy, Guy L., assignor.)
- Kendall Company, The. (See Ballard, Joseph W., assignor.)
- Kendall Company, The. (See Eustis, Warner, assignor.)
- Kendall Company, The. (See Fuerst, E. W., and McPherrin, assignors.)
- Kendall Company, The. (See Jurgensen, Vola M., assignor.)
- Kendall Company, The. (See Reed, Raymond E., assignor.)
- Kendall Company, The. (See Secrist, Horace A., assignor.)
- Kendall Company, The. (See Simmons, Harry E., assignor.)
- Kendall Company, The. (See Ziegler, Paul F., assignor.)
- Kendall, David and E. H., Alliance, Ohio. Truck structure. 1,970,606; Aug. 21.
- Kendall, Edgar H. (See Kendall, David and E. H.)
- Kendall, Edward C., Rochester, Minn. Apparatus for the purification of gases. 1,970,700; Aug. 21.
- Kendall, Genevieve A. (See Kendall, Ira H., assignor.)
- Kendall, Harold S. (See Strosacker, C. J., and Kendall.)
- Kendall, Horace C., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Sprinkler alarm switch. 1,968,648; July 31.
- Kendall, Ira H., assignor to G. A. Kendall, Potsdam, N. Y. Milk filter device. 1,959,535; May 22.
- Kendall, Ira H., assignor to The Kendall Patents, Inc., Potsdam, N. Y. Apparatus for washing receptacles. 1,972,711; Sept. 4.
- Kendall, Marcus T., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Solvent refining of hydrocarbon oil. 1,973,683; Sept. 11.
- Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Manufacturing Company. Shuttle conveyor. 1,943,869; Jan. 16.
- Kendall Patents, Inc. (See Kendall, Ira H., assignor.)
- Kendall, Robert C., Chicago, Ill. Lubricating device. 1,955,550; Apr. 17.
- Kendall, William G., Maplewood, N. J. Vanity case. 1,980,921; Nov. 13.
- Kendler, Julius, et al. (See Kardorff, Léon, assignor.)
- Kendler, Otto F., New York, N. Y. Automatic torque adjuster. 1,943,324; Jan. 16.
- Kendrick, Arthur B., East Orange, N. J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Surgical belt. 1,974,283; Sept. 18.
- Kendrick, Carroll C. (See Lewis, George K., assignor.)
- Kendrick, James R., Co., Inc. (See Kendrick, Arthur B., assignor.)
- Kendrick, Solomon, assignor to United Elastic Corporation, Easthampton, Mass. Elastic woven fabric. 1,950,559; Mar. 13.
- Kenerson, Joseph E., Saugus, Mass. Self feeding tube cutter. 1,977,441; Oct. 16.

- Kenerson, Stanley M., assignor to The Standard Electric Time Company, Springfield, Mass. Electric clock. 1,957,543; May 8.
- Kenerson, Stanley M., assignor to The Standard Electric Time Company, Springfield, Mass. Signaling system. 1,979,328; Nov. 6.
- Kenkel, John E., Great Falls, Mont. Toothpick dispenser. 1,962,018; June 5.
- Kenlit Mfg. Co. (See MacKay, James A., assignor.)
- Kenna, Edward F., Hoboken, N. J. Adjustable mounting for wall switch boxes and similar receptacles. 1,952,077; Mar. 27.
- Kennard, Joseph S., Jr., New York, N. Y. Safety razor. 1,945,370; Jan. 30.
- Kennaugh, Thomas T., Spital, England. Construction of ships. 1,970,913; Aug. 21.
- Kennedy, Absalom M., Tuscaloosa, Ala., assignor, by mesne assignments, to Moto-Vita Corporation. Apparatus for analyzing gaseous mixtures. 1,959,242; May 15.
- Kennedy, Albert H., Rockport, Ind. Method and apparatus for setting saws. 1,946,426; Feb. 6.
- Kennedy, Angus B., assignor to Hickory Town Distilling Co., Hanover, Pa. Bottle. Des. 92,911; July 31.
- Kennedy, Arthur T., Duluth, Minn. Camera leveling and shutter controlling apparatus. 1,942,604; Jan. 9.
- Kennedy Car Liner & Bag Co., The. (See Lorenz, Gus O., assignor.)
- Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Condenser induction motor. 1,958,104; May 8.
- Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Condenser induction motor. 1,979,160; Oct. 30.
- Kennedy, Charles L., Butler, Pa. Lubricating cup. 1,957,715; May 8.
- Kennedy, Chester C. (See Strosacker, C. J., Kennedy, and Pelton.)
- Kennedy, Clayton V., Birmingham, Ala. Ski. 1,979,040; Oct. 30.
- Kennedy, Clyde C. (See Henderson, C. T., and Kennedy.)
- Kennedy, Donald S., Longparish, England. Traction belt. 1,942,337; Jan. 2.
- Kennedy, Donald S., Longparish, England. Traction belt. 1,942,338; Jan. 2.
- Kennedy, Edward, New York, N. Y. Water heater. 1,944,894; Jan. 30.
- Kennedy, Edward, New York, N. Y. House trap. 1,948,220; Feb. 20.
- Kennedy, Evan D. (See Hoover, P. L., and Kennedy, assignors.)
- Kennedy, George F., assignor to Hercules Powder Company, Wilmington, Del. Composition for the impregnation of cable insulation. 1,946,322; Feb. 6.
- Kennedy, George F., Wilmington, Del., and J. N. Borglin, Kenil, N. J., assignors to Hercules Powder Company, Wilmington, Del. Binding composition. 1,978,948; Oct. 30.
- Kennedy, Gibson H., assignor to Sonoco Products Company, Hartsville, S. C. Grinding machine. 1,945,904; Feb. 6.
- Kennedy, Guy L., assignor to Ken-Crip Corporation, New York, N. Y. Carburetor. 1,965,652; July 10.
- Kennedy, Guy L., assignor to Ken-Crip Corporation, New York, N. Y. Carburetor. 1,966,449; July 17.
- Kennedy, Guy L., assignor to Ken-Crip Corporation, New York, N. Y. Carburetor. 1,971,527; Aug. 28.
- Kennedy, Guy L., assignor to Ken-Crip Corporation, New York, N. Y. Carburetor. 1,975,793; Oct. 9.
- Kennedy, Harry E., M. A. Rotermund, and L. T. Jones, Berkeley, Calif., assignors to Union Carbide and Carbon Research Laboratories, Inc. Welding apparatus. 1,963,915; June 19.
- Kennedy, Howard L., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Mechanic's kit. 1,984,345; Dec. 11.
- Kennedy, J. T., et al. (See Upmeyer, Henry W., assignor.)
- Kennedy, James W., Canton, Ohio. Dilator. 1,965,653; July 10.
- Kennedy, John T. (See Harwood, P. B., and Kennedy.)
- Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire and Cable Company, New York, N. Y. Insulated conductor. 1,943,977; Jan. 16.
- Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Machine for making coated woven tubes. 1,949,476; Mar. 6.
- Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical conductor. 1,956,721; May 1.
- Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Rubberizing tubing. 1,956,722; May 1.
- Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Apparatus for treating fabrics. 1,958,193; May 8.
- Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Non-porous vacuum and pressure tubing. 1,972,523; Sept. 4.
- Kennedy, Joseph E., assignor to N. Kennedy, New York, N. Y. Pulverized coal burner. 1,967,673; July 24.
- Kennedy, Joseph E., assignor to N. Kennedy, New York, N. Y. Gyratory crusher. 1,985,098; Dec. 18.
- Kennedy, Joseph E., and J. Laboulais, assignors to N. Kennedy, New York, N. Y. Pulverized fuel burner. 1,957,965; May 8.
- Kennedy, Joseph E., and H. W. Johnson, assignors to N. Kennedy, New York, N. Y. Distributor for pulverized coal feeding systems. 1,985,099; Dec. 18.
- Kennedy, Leo W., Detroit, Mich. Show case for pies. 1,960,494; May 29.
- Kennedy, Leo W., Detroit, Mich. Show case. 1,966,964; July 17.
- Kennedy, Leo W., Detroit, Mich. Show case. 1,984,138; Dec. 11.
- Kennedy, Lloyd B., Warren, Ohio. Projection lantern. 1,951,054; Mar. 13.
- Kennedy Manufacturing Company. (See Kennedy, Howard L., assignor.)
- Kennedy Manufacturing Company. (See Shriver, Harry P., assignor.)
- Kennedy-McCandless Corporation. (See Mayette, Edgar, assignor.)
- Kennedy, Nellie. (See Kennedy, Joseph E., assignor.)
- Kennedy, Nellie. (See Kennedy, J. E., and Johnson, assignors.)
- Kennedy, Nellie. (See Kennedy, J. E., and Laboulais, assignors.)
- Kennedy, Paul W., Gulfport, Miss. Pulverizing and granulating mill. 1,981,415; Nov. 20.
- Kennedy, Rayburn F., Hamilton, Ohio. Top plate of an amusement and vending device. Des. 93,661; Oct. 23.
- Kennedy, Richard O., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Garment and making the same. 1,952,013; Mar. 20.
- Kennedy, Rosamond L., London, England. Undergarment for women's wear. 1,965,041; July 3.
- Kennedy Valve Mfg. Co. (See Banks, Frederick R., assignor.)
- Kennedy, William A., assignor to General Fire Extinguisher Company, Providence, R. I. Alarm actuating apparatus for sprinkler systems and the like. 1,984,067; Dec. 11.
- Kennedy, William D., Clifton, N. J., assignor to Wright Aeronautical Corporation. Valve gear servicing device. 1,983,378; Dec. 4.
- Kennedy, Charles B., University City, Mo. Well casing. 1,959,367; May 22.
- Kennedy, Charles B., assignor to Kennedy Oil Field Devices, Inc., St. Louis, Mo. Centrally positioning a tube within an open well hole. 1,959,368; May 22.
- Kennedy Oil Field Devices, Inc. (See Kennedy, Charles B., assignor.)
- Kennett, Charles E., South Melbourne, assignor of one-half to M. C. P. Bartlett, Mordialloc, Victoria, Australia. Clothes wringer and the like. 1,972,778; Sept. 4.
- Kenneweg, Christian H., Millvale, Pa. Liquid-fuel storage and supply system. 1,953,803; Apr. 3.
- Kenneweg, Christian H., Millvale, Pa. Liquid fuel or carburetor cooler. 1,953,809; Apr. 3.
- Kenneweg, Christian H., Millvale, Pittsburgh, Pa. Internal combustion engine. 1,979,746; Nov. 6.
- Kenneweg, Christian H., Millvale, Pa. Supercharger. 1,979,747; Nov. 6.
- Kenney, Charles H., New London, Conn., assignor to E. F. Woods, Boston, Mass. Apparatus for removing paint. 1,955,240; Apr. 17.
- Kenney, George M. and W. C., assignors to Kenney Manufacturing Company, Cranston, R. I. Traverse equipment. 1,973,487; Sept. 11.
- Kenney, John J., Pittsburgh, Pa. Valve. 1,962,776; June 12.
- Kenney, John J., Pittsburgh, Pa. Thermostatic valve. 1,980,624; Nov. 13.
- Kenney, John J., and R. A. Gilbert, Pittsfield, Mass., assignors to General Electric Company. Welding machine. 1,975,578; Oct. 2.
- Kenney, Mahlon W., Elmhurst, assignor to Grigsby-Grunow Company, Chicago, Ill. Radio apparatus. 1,968,772; July 31.
- Kenney Manufacturing Company. (See Kenney, George M. and W. C., assignors.)
- Kenney Manufacturing Company. (See Kenney, William C., assignor.)
- Kenney, William C. (See Kenney, George M. and W. C.)
- Kenney, William C., assignor to Kenney Manufacturing Company, Cranston, R. I. Curtain rod fixture. 1,965,124; July 3.
- Kennicott, Cass L., Flossmoor, Ill. Ore treatment. 1,958,581; May 15.
- Kennington, William O., London, England, assignor to General Motors Corporation, Detroit, Mich. Ignition circuit. 1,976,260; Oct. 9.
- Kenny, Alexander, Hammersmith, London, assignor to Fuller's Limited, London, England. Cup-like wrapping element for sweetmeats and the like. 1,941,944; Jan. 2.
- Kenny, Frederic J. (See Fink, C. G., and Kenny.)
- Kenny, Sarah, Bronx, N. Y. License plate frame. 1,983,614; Dec. 11.
- Kenny, William J., Cicero, Ill., assignor of one-half to American Can Company, New York, N. Y., and one-half to Swift and Company. Container. 1,954,568; Apr. 10.
- Kensington, Incorporated. (See Guild, Lurelle, assignor.)
- Kent, Arthur A. (See Tarzian, Sarkes, assignor.)
- Kent, Arthur T., assignor to Woodall-Duckham (1920) Limited, London, England. Coke oven door. 1,958,305; May 8.

- Kent Company, The. (See Kent, G. E., and Yutzler, assignors.)
- Kent Dish Washing Machine Company Limited. (See Rendle, V., and Cross, assignors.)
- Kent, Frank J., et al. (See Leonard, William, assignor.)
- Kent, Frank J. (See Mulford, Ralph K., assignor.)
- Kent, George, Limited. (See Hodgson, John L., assignor.)
- Kent, George, Limited. (See Hodgson, J. L., and Dall, assignors.)
- Kent, George, Limited. (See Hodgson, J. L., and Gray, assignors.)
- Kent, George, Limited. (See Hodgson, J. L., Howard, and Ivanoff, assignors.)
- Kent, George, Limited. (See Hodgson, J. L., and Hutson, assignors.)
- Kent, George, Limited. (See Kent, Walter G., assignor.)
- Kent, Gordon E., and F. W. Yutzler, assignors to The Kent Company, Inc., Rome, N. Y. Sanding device. 1,966,299; July 10.
- Kent, Harrison H. (See Reed, H. D., and Kent.)
- Kent, James A., Sacramento, Calif. Clock. Des. 94,148; Dec. 25.
- Kent Machine Works, Inc. (See Peters, Elmer P., assignor.)
- Kent-Moore Organization. (See Graham, George M., assignor.)
- Kent, Robert S., Brooklyn, N. Y. Drier. 1,962,643; June 12.
- Kent, Robert S., Brooklyn, N. Y. Sugar solution clarifier apparatus. 1,967,310; July 24.
- Kent, Walter G., Luton, assignor to George Kent, Limited, London, England. Apparatus for sampling liquids. 1,985,173; Dec. 18.
- Kentner, Carroll D., Collingswood, N. J., assignor to Radio Corporation of America. Electrical pick-up apparatus. 1,978,583; Oct. 30.
- Kentucky Concrete Pipe Company. (See Boggs, Joe S., assignor.)
- Kenty, Carl E., Jersey City, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric gaseous discharge device. 1,984,483; Dec. 18.
- Kenworthy, Robert R., assignor to W. A. Schnader, Philadelphia, Pa. Lamp testing device. 1,952,210; Mar. 27.
- Kenyon, Herbert D., et al. (See Womeldorf, Francis M., assignor.)
- Kenyon Instrument Corporation. (See Kenyon, Theodore W., assignor.)
- Kenyon, Theodore W., Brookline, assignor to Kenyon Instrument Corporation, Boston, Mass. Boat speedometer. 1,955,502; Apr. 17.
- Kenyon, William O. (See Murray, T. F., and Kenyon.)
- Kenyon, William O. (See Staud, C. J., and Kenyon.)
- Keough, Timothy L., Roxbury, Mass. Toothpick case. Des. 93,411; Sept. 25.
- Keown, John M., Chicago, assignor of one-fifth to A. E. Sangdahl, Western Springs, one-fifth to W. F. Ogle, Chicago, one-fifth to E. J. Learned, Lake Forest, and one-fifth to B. F. Ramsdell, Geneva, Ill. Grating construction. 1,982,109; Nov. 27.
- Keown, John M., Chicago, Ill., assignor of part interests to A. E. Sangdahl, W. F. Ogle, E. J. Learned, and B. F. Ramsdell. Armored floor structure. 1,982,110; Nov. 27.
- Kephart, Samuel N., assignor to Marshall Field & Company, Chicago, Ill. Container. Des. 91,629; Feb. 27.
- Kepler, Darrell S. (See Irons, A. E., and Kepler.)
- Kepperley, James E., Jr., Toledo, Ohio. Automobile. Des. 92,848; July 24.
- Keppler, Helmut. (See Ott, H., Hentrich, and Keppler.)
- Kept-Kapt, Inc. (See Burke, James P., assignor.)
- Ker, John O., and W. Ashton, Ottawa, Ontario, Canada; said Ashton assignor to said Kerr. Grading tag for poultry and food products generally. 1,984,880; Dec. 18.
- Keranen, George M. (See Stockdale, T. E., and Keranen.)
- Keranen, George M., assignor to Standard Oil Company, Chicago, Ill. Furnace construction. 1,973,533; Sept. 11.
- Kerant Corporation. (See Grant, Albert E., assignor.)
- Kercher, Arthur J., Berkeley, Calif. Timing device. 1,963,495; June 19.
- Kercher, Arthur J., Berkeley, Calif. Electrical air heater. 1,982,139; Nov. 27.
- Kerite Insulated Wire & Cable Company, The. (See Dana, A. S., and Norton, assignors.)
- Kerite Insulated Wire & Cable Company, The. (See Norton, Ralph B., assignor.)
- Kerk, Paul C., Malvern, Pa. Electrode for electrolytic baths. 1,970,804; Aug. 21.
- Kerka, Francis, London, England. Heater for use in the permanent waving of hair. 1,972,193; Sept. 4.
- Kermode, John T., Cleveland, Ohio, D. A. Young, East Orange, N. J., and H. P. Sparkes, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Card sorter. 1,985,035; Dec. 18.
- Kermor, Inc. (See Kerner, Edward V., assignor.)
- Kern, Bernard, Syracuse, N. Y. Dust bag. 1,970,043; Aug. 14.
- Kern, Edward F., New York, N. Y., assignor, by mesne assignments, to National Lead Company, Jersey City, N. J. Purifying lead, tin, and lead-tin alloys. 1,957,837; May 8.
- Kern, Edward F., assignor to The American Metal Company, Limited, New York, N. Y. Silver alloy. 1,970,318; Aug. 14.
- Kern, Edward F., assignor to The American Metal Company, Limited, New York, N. Y. Silver alloy. 1,970,319; Aug. 14.
- Kern, Erwin. (See Jonas, J., and Kern.)
- Kern, Erwin, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric current rectifier construction. 1,951,732; Mar. 20.
- Kern, Erwin, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Motor control system. 1,958,365; May 8.
- Kern, Erwin, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Motor control system. 1,960,818; May 29.
- Kern, Erwin, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Rectifier control system. 1,963,021; June 12.
- Kern, Francis B., and T. E. French, Surrey, assignors to The Aluminum Plant & Vessel Company, Limited, London, England. Boiling pan, autoclave, digester, and the like. 1,942,818; Jan. 9.
- Kern, Fred M. (See Connor, K. W., and Kern.)
- Kern, Fred M., Detroit, Mich., assignor to Micromatic Hone Corporation. Honing tool. 1,944,662; Jan. 23.
- Kern, Fred M., Detroit, Mich., assignor to Micromatic Hone Corporation. Honing tool. 1,978,712; Oct. 30.
- Kern, Frederick E., St. Louis, Mo. Process ceramic product and the manufacture thereof. 1,941,804; Jan. 2.
- Kern, Jean G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Leuco-compounds of vat dyes. 1,954,702; Apr. 10.
- Kern, Jean G., Waltham, Mass., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkylolamine derivatives of aliphatic acids. 1,946,079; Feb. 6.
- Kern, Jean G., Waltham, Mass., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkylolamine derivatives of aliphatic acids. 1,946,080; Feb. 6.
- Kern, Ludwig. (See Goetz, Gottfried, assignor.)
- Kern, Ludwig, Webster Groves, Mo. Ceramic product and the manufacture thereof. 1,967,311; July 24.
- Kern, Maximilian H., Richmond Hill, assignor to Wm. A. Force & Company Incorporated, New York, N. Y. Numbering head. 1,958,048; May 8.
- Kern, Rudolf, assignor to the firm Chemische Fabrik R. Baumheier Aktiengesellschaft, Zschollau, near Oschatz, Germany. Emulsifying media and manufacturing the same. 1,977,558; Oct. 16.
- Kern, Rudolf, Oschatz, assignor to the firm Chemische Fabrik R. Baumheier Aktiengesellschaft, Zschollau, near Oschatz, Germany. Sulphonated oils, fats or acids thereof, and manufacturing the same. 1,980,342; Nov. 13.
- Kerner, Edward V., Mount Oliver Branch, Pittsburgh, Pa., assignor, by mesne assignments, to Kermor, Inc., Cleveland, Ohio. Building unit. 1,955,587; Apr. 17.
- Kerner, Glycere M. (See Kerner, Otto A., assignor.)
- Kerner, Martin J., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Evaporator. 1,941,693; Jan. 2.
- Kerner, Otto A., assignor to G. M. Kerner, Los Angeles, Calif. Arc lamp. 1,972,939; Sept. 11.
- Kernes, James, Chicago, Ill. Making seamless paper shades and other articles and products thereof. 1,975,579; Oct. 2.
- Kernin, Alfred G., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Feeding black liquor to a smelting furnace. 1,985,504; Dec. 25.
- Kerns, Leonard E., Chicago, Ill., assignor, by mesne assignments, to The Farval Corporation, Cleveland, Ohio. Lubricating device. 1,961,051; May 29.
- Kerns, Leonard R., Battle Creek, Mich., assignor, by mesne assignments, to The Farval Corporation, Cleveland, Ohio. Lubricator valve. 1,963,663; June 19.
- Kerotest Manufacturing Company. (See Forbes, John S., assignor.)
- Kerr, Andrew L., assignor to T. E. R. Incorporated, San Francisco, Calif. Fuel burner. 1,950,800; Mar. 13.
- Kerr, Charles, jr. (See Krapf, H. C. Kerr, and Nottage.)
- Kerr, Charles, jr., Edgewood, and J. K. Stotz, Wilksburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversible cycle heating and cooling system. 1,942,295; Jan. 2.
- Kerr, Charles, jr., Edgewood, A. H. Candee, Wilksburg, C. F. King, jr., Pittsburgh, E. L. Harder, Wilksburg, and A. McLanahan, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Head-end electric power supply for trains. 1,985,638; Dec. 25.
- Kerr, Daniel, Gary, Ind., assignor to National Tube Company. Skelp scraper. 1,963,304; June 19.
- Kerr, Emmons B., Nashua, N. H. Coupling. 1,957,966; May 8.
- Kerr, Harry E., assignor to The Barber Gas Burner Company, Cleveland, Ohio. Gas burner. 1,952,550; Mar. 27.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and furnace therefor. 1,941,865; Jan. 2.
- Kerr, Howard J., Westfield, N. J., assignor to Fuller Lehigh Company, Fullerton, Pa. Steam generator. 1,943,539; Jan. 16.

- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Steam separator. 1,948,524; Feb. 27.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Return bend closure. 1,960,247; May 29.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury boiler. 1,964,160; June 26.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler drum and tube extension. 1,969,373; Aug. 7.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,969,405; Aug. 7.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,969,406; Aug. 7.
- Kerr, Howard J., Westfield, J. Prentice, Bayonne, N. J., and W. A. Jones, Westerleigh, Staten Island, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Drum with removable head for vapors under pressure. 1,958,582; May 15.
- Kerr, Howard J., Westfield, N. J., and J. E. Trainer, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Fittings for tubes and the like. 1,960,246; May 29.
- Kerr, Howard J., Westfield, N. J., and W. A. Jones, Westerleigh, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Boiler superheater support. 1,977,637; Oct. 23.
- Kerr, John B., St. Marys, Pa. Pipe. 1,983,135; Dec. 4.
- Kerr, John M. (See Wagner, C. G., and Kerr.)
- Kerr, Robert M., and H. A. Wolfe, assignors to Detroit Dental Manufacturing Company, Detroit, Mich. Casting machine. 1,944,435; Jan. 23.
- Kerr, Samuel L., Philadelphia, Pa., assignor to I. P. Morris and De La Vergne, Inc. Governor. 1,947,602; Feb. 20.
- Kerrick, Walter B. (See Clayton, B., Kerrick, and Stadt.)
- Kerrick, Walter B., assignor, by mesne assignments, to Chemical Processes Company, Los Angeles, Calif. Thermostatic control. 1,968,525; July 31.
- Kerrick, Walter B., assignor, by mesne assignments, to Chemical Processes Company, Los Angeles, Calif. Oil burner. 1,974,818; Sept. 25.
- Kerschbaum, Friedrich P., Winter Haven, W. H. Waggaman, Lakeland, and S. D. Gooch, Lake Wales, Fla., assignors, by mesne assignments, to Pembroke Chemical Corporation. Recovery of phosphorus from dilute gases. 1,951,984; Mar. 20.
- Kershaw, Henry, Irvington, N. J. Thermal fuse. 1,960,495; May 29.
- Kershaw, John T., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. 1,942,652; Jan. 9.
- Kerst, Edgar B., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Loop forming device. 1,952,261; Mar. 27.
- Kerst, Edgar B., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Automatic feed for driers. 1,969,613; Aug. 7.
- Kerstein, Ernest A., Albany, assignor to American Meter Company, Inc., New York, N. Y. Fluid meter. 1,958,704; May 15.
- Kersten, Gustav. (See von Plawenn, A. and Kersten.)
- Kersten, Jacob, Kalamazoo, Mich. Child's seat. 1,945,781; Feb. 6.
- Kersten, Jacob, Kalamazoo, Mich. Baby jumper. 1,952,872; Mar. 27.
- Kersting, Bernard H., Ben Avon, Pa., assignor to The Dravo Contracting Company. Drum weir. 1,952,501; Mar. 27.
- Kersting, Bernard H., Ben Avon, Pa., assignor to The Dravo Contracting Company. Collapsible crane structure. 1,962,777; June 12.
- Kersting, Bernard H., Ben Avon, Pa., assignor to The Dravo Contracting Company. Clamshell bucket. 1,968,493; July 31.
- Kersting, Vincent J., Roselle Park, N. J. Paint brush ferrule. 1,957,601; May 8.
- Kertzman, Albert, Winona, Minn. Hydraulic dredge. 1,964,951; July 3.
- Kerzak, Andrew, New York, N. Y. Engine signal switch. 1,957,106; May 1.
- Kesner, Michael L., Chicago, Ill. Spring roller Venetian blind. 1,951,659; Mar. 20.
- Kesselring, Fritz, Berlin-Hermsdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company. Expansion switch. 1,948,761; Feb. 27.
- Kesselring, Fritz, Berlin-Hermsdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,953,112; Apr. 3.
- Kesselring, Roman. (See Novak, J., and Kesselring.)
- Kessenich, Gregory J. (See Karnes, J. C., and Kessenich.)
- Kessenich, Gregory J., Madison, Wis. Container and method of forming same. 1,973,717; Sept. 18.
- Kessler, Augusta, Brooklyn, N. Y. Combined supporting and securing device. 1,955,073; Apr. 17.
- Kessler, Charles J. (See Chadwick, L. S., and Kessler.)
- Kessler, Charles J. (See Chadwick, L. S., Resek, and Kessler.)
- Kessler, Frank, and H. S. Deyes, Liverpool, and J. Scowcroft, Bolton, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,942,651; Jan. 9.
- Kessler, Frank T., Philadelphia, Pa. Bottle. Des. 93,412; Sept. 25.
- Kessler, Frank T., Philadelphia, Pa. Bottle. Des. 93,625; Oct. 16.
- Kessler, Frank T., Philadelphia, Pa. Bottle cap. Des. 93,626; Oct. 16.
- Kessler, Harry A., assignor to Kalman Steel Company, Inc., Chicago, Ill. Blank feed control mechanism. 1,949,966; Mar. 6.
- Kessler, Jacob P., Milwaukee, Wis. Wire stretcher. 1,965,193; July 3.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,144; May 1.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,660; July 3.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,809; July 17.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,810; July 17.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,811; July 17.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,812; July 17.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,813; July 17.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,814; July 17.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,815; July 17.
- Kessler, Joseph, Long Island City, N. Y. Shoe. Des. 92,816; July 17.
- Kessler, Martin, assignor to The Gabriel Company, Cleveland, Ohio. Trunk structure and mounting. 1,953,858; Apr. 3.
- Kestell, Thomas A., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Pattern grading machine. 1,953,236; Apr. 3.
- Kestenman Bros. Mfg. Co. (See Barrowman, Arthur H., assignor.)
- Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
- Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Flexible band or linkage. 1,943,733; Jan. 16.
- Kestos Limited. (See Cochrane-Wilkinson, Doris, assignor.)
- Ketay, Morris F., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Multiple switch. 1,965,125; July 3.
- Ketcham, Frank. (See Goddard, P. B., and Ketcham.)
- Ketchpel, Paul A., Bergenfield, N. J., assignor to The Standard Stoker Company, Incorporated. Combined stoker and firedoor. 1,942,819; Jan. 9.
- Ketchpel, Paul A., West Englewood, N. J., assignor to The Standard Stoker Company, Incorporated. Stoker mechanism. 1,952,714; Mar. 27.
- Ketchum, Adam O. (See McGovern, B., and Ketchum.)
- Ketel, Henry, C. M. Harris, and H. Van Der Heuvel, Holland, assignors, by mesne assignments, to West Michigan Steel Foundry Co., Muskegon, Mich. Fifth wheel construction. 1,955,965; Apr. 24.
- Kett, Charles J. (See Borden, J. H., and Kett.)
- Kettelson, Harry C., assignor to A. B. Weller, Milwaukee, Wis. Apparatus for lifting and supporting automobiles. 1,963,022; June 12.
- Kettenbach, Alfred D., Rockyford, Alberta, Canada, and E. F. Huddle, Moline, Ill., assignors to Deere & Company, Moline, Ill. Apparatus for and method of harvesting. 1,954,629; Apr. 10.
- Ketterer, Sigmund G., assignor to Schutte & Koertling Company, Philadelphia, Pa. Scrubber. 1,964,357; June 26.
- Kettering, C. F., Inc. (See Smith, Harry F., assignor.)
- Kettering, Charles F., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Making air cooled cylinders. 1,948,818; Feb. 27.
- Kettering, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerator apparatus. 1,955,192; Apr. 17.
- Kettering, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigeration. 1,978,463; Oct. 30.
- Kettlewell, Harry E., Poland, and L. Petticlaire, Struthers, Ohio, assignors to Industrial Grease Company. Roll neck lubricator for rolling mills. 1,949,103; Feb. 27.
- Kettner, Karl, Berlin-Lankwitz, Germany, assignor to General Electric Company. System of electrical distribution. 1,944,087; Jan. 16.
- Keuffel, Adolf W., Montclair, assignor to Keuffel & Esser Co., Hoboken, N. J. Leveling rod. 1,957,838; May 8.
- Keuffel, Adolf W., Montclair, assignor to Keuffel & Esser Co., Hoboken, N. J. Leveling rod. 1,971,751; Aug. 28.
- Keuffel, Carl W., Weehawken, assignor to Keuffel & Esser Co., Hoboken, N. J. Machine for removing waterproof coatings. 1,949,868; Mar. 6.
- Keuffel & Esser Co. (See Keuffel, Adolf W., assignor.)
- Keuffel & Esser Co. (See Keuffel, Carl W., assignor.)
- Keurvorst, William N., Verdun, Quebec, Canada. Railroad rail supporting structure. 1,979,329; Nov. 6.
- Kewanee Safe Company. (See Glidden, Raymond B., assignor.)
- Kewaunee Manufacturing Co. (See Ryan, J. F., Carr, and Anderson, assignors.)
- Key, Abraham L., Great Kills, Staten Island, assignor to American Spirits, Inc., New York, N. Y. Bottle. Des. 93,480; Oct. 2.

- Key, Abraham L., Great Kills, Staten Island, N. Y., assignor to American Commercial Alcohol Corp., Pekin, Ill. Bottle. Des. 93,724; Oct. 30.
- Key Boiler Equipment Company. (See Key, Frederick E., assignor.)
- Key, Frederick E., St. Louis, Mo., assignor to Key Boiler Equipment Company, East St. Louis, Ill. Tube connecting device. 1,955,003; Apr. 17.
- Key, Frederick E., St. Louis, Mo., assignor to Key Boiler Equipment Company, East St. Louis, Ill. Tube connecting device. 1,970,866; Aug. 21.
- Key, Frederick E., St. Louis, Mo., assignor to Key Boiler Equipment Company, East St. Louis, Ill. Connecting device for flanged or upset tubes. 1,975,580; Oct. 2.
- Key, James F., Pasadena, assignor of two-thirds to J. Irvine, jr., Tustin, Calif. Sound signaling method and apparatus. 1,961,767; June 5.
- Keyes Fibre Company. (See Hart, John M., assignor.)
- Keyes Fibre Company. (See Shepard, Ernest L., assignor.)
- Keyes, Harmon E., Miami, Ariz. Apparatus for the absorption of gases by liquids. 1,952,675; Mar. 27.
- Keyes, Harmon E., Miami, Ariz. Recovery of oxidized copper. 1,971,416; Aug. 28.
- Keys, Ray, Hoopeston, Ill. Gate. 1,975,953; Oct. 9.
- Keys, William A., New York, N. Y. Fastening device. 1,962,600; June 12.
- Keyser, Carl. (See Winning, W. F., and Keyser.)
- Keyser, George, Philadelphia, Pa. Machines for uniting knit fabrics. 1,967,714; July 24.
- Keyser, Johann J., Aarau, Switzerland. Device for lifting and lowering the spindle and ring beams of spinning, twisting, and the like machines. 1,946,699; Feb. 13.
- Keystone Aircraft Corporation. (See Bodden, Karl, assignor.)
- Keystone Aircraft Corporation. (See Rogers, Frank D., assignor.)
- Keystone Grinder & Manufacturing Company. (See Cooney, Lawrence J., assignor.)
- Keystone Reamer & Tool Co. (See Seiler, Michael L., assignor.)
- Keystone Reamer & Tool Company. (See Wommer, Howard G., assignor.)
- Keystone Steel & Wire Company. (See Sutherland, Perry G., assignor.)
- Kharasch, Morris S., Chicago, Ill. Organic arsenic or antimony seleno compound. 1,959,958; May 22.
- Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant. 1,943,540; Jan. 16.
- Khourl, Ferris J., Moira, N. Y. Toy. Des. 91,945; Apr. 10.
- Kibiger, Arthur H., Fort Wayne, Ind. Automobile body. Des. 92,404; June 5.
- Kibler, Irvin C. (See Spier, William, assignor.)
- Kibler, William J., assignor to Buffalo Steel Company, Tonawanda, N. Y. Picket fence and gate. 1,956,767; May 1.
- Kidd, Alexander, Hawthorne, N. J., assignor to M. W. Kellogg Co., New York, N. Y. Arc welding method. 1,977,678; Oct. 23.
- Kidd, David B., London, England. Cigarette packing machinery. 1,972,657; Sept. 4.
- Kidd, Thomas J., Birmingham, Ala., assignor to The Bauer Brothers Company, Cotton seed cleaner. 1,960,497; May 29.
- Kidde, Walter, & Company. (See Freygang, Walter H., assignor.)
- Kidde, Walter, & Company. (See Grant, Harry C., jr., assignor.)
- Kidde, Walter, & Company. (See Manes Daniel, assignor.)
- Kidde, Walter, & Company. (See Minor, Henry R., assignor.)
- Kidde, Walter, & Company, Inc. (See Buchholz, Max, assignor.)
- Kidde, Walter, & Company, Inc. (See Grant, Harry C., jr., assignor.)
- Kidder, Harold H., San Juan, Tex. Water meter for pipe line systems. 1,954,386; Apr. 10.
- Kidder, U. P. M., Press Co. Inc. (See Sheppard, Joel F., assignor.)
- Kiddle, Alfred J., Lakewood, Ohio. Toy grease rack. 1,951,615; Mar. 20.
- Kidston, Rudolph M., Wellesley Farms, and M. F. Cummings, Hewton Highlands, Mass.; said Cummings assignor to Kidston. Detachable light and clamp therefor. 1,954,756; Apr. 10.
- Kidwell, Cleo H., Dongan Hills, assignor to Kidwell & Co. Inc., West New Brighton, Staten Island, N. Y. Air conditioning device. 1,962,644; June 12.
- Kidwell & Co. Inc. (See Kidwell, Cleo H., assignor.)
- Kidwell, Reuben F., Atlanta, Ga. Christmas tree board. 1,971,612; Aug. 28.
- Kiech, Clarence F. (See Eddy, H. C., and Kiech.)
- Kieckhefer Container Company. (See Walker, E. L., and Werner, assignors.)
- Kieckhefer Container Company. (See Werner, Arthur W., assignor.)
- Kiefer, Edwin F. (See Chaney, N. K., and Kiefer.)
- Kiefer, Edwin F., Cleveland, Ohio, assignor to National Carbon Company, Inc. Steam trap. 1,973,259; Sept. 11.
- Kiefer, George C., Springdale, assignor to Allegheny Steel Company, Brackenridge, Pa. Pickling solution. 1,974,570; Sept. 25.
- Kiefer, George C., Springdale, Pa., assignor to Allegheny Steel Company. Descaling process. 1,974,571; Sept. 25.
- Kiefer, George C., Springdale, and C. A. Scharschu, Brackenridge, Pa., assignors to Allegheny Steel Company, Inorganic insulation for electrical sheets. 1,946,146; Feb. 6.
- Kiefer, William F., Drexel Hill, assignor to Warren-Knight Company, Philadelphia, Pa. Surveying instrument. 1,969,697; Aug. 7.
- Kieffer, Jean, Norwich, Conn. X-ray device and technique. 1,954,321; Apr. 10.
- Kieffer, John E., Ewing, Ind. Bottle wrapper. 1,958,540; May 15.
- Kiel Furniture Co. (See Laun, Carl H., assignor.)
- Kielczewski, Jerzy, Stary-Bierun, assignor to Lignoza Spolka Akcyjna, Katowice, Poland. Firing device. 1,959,479; May 22.
- Kielland, Jakob de R., Vinderen, near Oslo, Norway. Self-locking thread system. 1,946,860; Feb. 13.
- Kiely, James, Gallup, N. Mex. Journal box hub liner. 1,982,671; Dec. 4.
- Kiely, Patrick J., Carlisle, Pa. Shoe. 1,959,792; May 22.
- Kiely, Patrick J., Carlisle, Pa. Shoe sole grooving machine. 1,972,386; Sept. 4.
- Kienzle, Herbert, Villingen, Germany. Electrically driven clock. 1,943,079; Jan. 9.
- Kienzle, Lester C. (See Davis, E., and Kienzle.)
- Kienzle Taxameter und Apparate A. G. (See Haigis, Alfred, assignor.)
- Kienzle Taxameter und Apparate A. G. (See Toewe, Fritz, assignor.)
- Kiep, Johann N., Altona-Hochkamp, Germany. Engine plant. 1,953,486; Apr. 3.
- Kier, Samuel M., Salina, Pa., and F. M. Hartford, Columbus, Ohio. Tunnel kiln. 1,970,320; Aug. 14.
- Kiernan, James P., Derby, C. G. Cottle, West Haven, and W. J. Sheehan, New Haven, assignors, by mesne assignments, to L. J. Kasden, Ansonia, Conn. Lamp. Des. 91,584; Feb. 20.
- Kierspe, George W. (See Snyder, E., and Kierspe.)
- Kierspe, George W., Fort Wayne, assignor to General Cable Corporation, New York, N. Y. Winding machine. 1,979,227; Oct. 30.
- Kiesecker, Jules P., New York, N. Y. Metal furniture. Re19,112; Mar. 13.
- Kiesecker, Jules P., New York, N. Y. Metal furniture. 1,953,613; Apr. 3.
- Kiesel, William F., jr., Hollidaysburg, Pa. Air conditioning for railway cars. 1,943,121; Jan. 9.
- Kiesel, William F., jr., Hollidaysburg, Pa. Car coupler. 1,960,943; May 29.
- Kiesel, William F., jr., Hollidaysburg, Pa. Freight car. 1,962,717; June 12.
- Kiesel, William F., jr., Hollidaysburg, Pa. Side stake for railway cars. 1,962,718; June 12.
- Kiesel, William F., jr., Hollidaysburg, Pa. Cross bearer for railway cars. 1,962,719; June 12.
- Kiesel, William F., jr., Hollidaysburg, Pa. Steam engine valve. 1,970,322; Aug. 14.
- Kiesel, William F., jr., Hollidaysburg, Pa. Steam engine valve. 1,970,323; Aug. 14.
- Kiesel, William F., jr., Hollidaysburg, Pa. Locomotive valve mechanism. 1,970,324; Aug. 14.
- Kiesel, William F., jr., Hollidaysburg, Pa. Railway car truck. 1,983,088; Dec. 4.
- Kiesel, William F., jr., Altoona, Pa. Steam engine valve. 1,970,321; Aug. 14.
- Kiessling, Max, A. J. Krieger, and J. Draher, assignors to The Sterling Novelty Manufacturing Company, Waterbury, Conn. Separable fastener attachment machine. 1,971,158; Aug. 21.
- Kiggins, Olin M. (See Claus, Herman B., assignor.)
- Kiggins, Olin M., Portland, Ore. Auto top washing machine. 1,942,653; Jan. 9.
- Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, Bottle. Des. 93,481; Oct. 2.
- Kilberry, George D., Lancaster, Pa. Apparatus for feeding paper making machines. 1,984,484; Dec. 18.
- Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)
- Kilbourne, Charles E., Schenectady, N. Y., assignor to General Electric Company. System of motor control. 1,947,266; Feb. 13.
- Kilbourne, Charles E., Schenectady, N. Y., assignor to General Electric Company. Starting system for alternating current motors. 1,970,914; Aug. 21.
- Kilbourne, Charles E., Schenectady, N. Y., and T. Dreier, Winter Park, Fla., assignors to General Electric Company. System of motor control. 1,947,265; Feb. 13.
- Kilbourne, Kenneth A., and C. F. Booth, Anniston, Ala., assignors to Swann Research Incorporated. Crystalline anhydrous disodium phosphate and making same. 1,962,080; June 5.
- Kilburn, James C. (See Higley, Dennis R., assignor.)
- Kilburn, Karl, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing shoes. 1,976,023; Oct. 9.
- Killeling, Karl, Freiburg, Germany. Coated metal foil and manufacture thereof. 1,944,323; Jan. 23.
- Kile, Clifford S., Hutchinson, Kans. Dental mixing slab. 1,980,533; Nov. 13.
- Kilgen, Geo., & Son, Inc. (See Brown, Vernie R., assignor.)

- Kilgore, Frederick O., Brookline, Mass. Cushioning device. 1,972,403; Sept. 4.
- Kilgore, Lee A. (See Laffoon, C. M., Gilgore, and Powers.)
- Kilgore Manufacturing Company, The. (See Peake, Edward S., assignor.)
- Kilgour, Charles E., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Antenna and power supply switch. 1,985,506; Dec. 25.
- Kilgour, Orville C., assignor to Dilex Company, Inc., New York, N. Y. Syringe nozzle. 1,969,175; Aug. 7.
- Kilgour, Walter M. S., Lexington, Mass. Alarm device. 1,941,694; Jan. 2.
- Kilgour, Walter M. S., Lexington, Mass. Alarm device. 1,941,695; Jan. 2.
- Kilham, Charles O., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for coating sheet-material. 1,943,442; Jan. 16.
- Kilham, Charles O., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating sheet material. 1,943,443; Jan. 16.
- Kilian, Frederick K. (See Skelton, Charles E., assignor.)
- Killefer Manufacturing Company. (See Sjogren, O. W., and Vaughn, assignors.)
- Killelea, Vincent P. (See Zimmerman, F. R., and Killelea.)
- Killen, Edward B., London, England. Cushion and like device. 1,942,296; Jan. 2.
- Killen, James R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigeration. 1,972,844; Sept. 4.
- Killian, George L., Los Angeles, Calif. Beehive construction. 1,985,543; Dec. 25.
- Killian, Henry R. (See Nichols, O. A., and Killian.)
- Killian, Stanley C., Oak Park, assignor to Delta-Star Electric Company, Chicago, Ill. Wire guide for tilting insulators. 1,984,881; Dec. 18.
- Killian, William T., Harrisburg, Pa. Powder puff. 1,975,693; Oct. 2.
- Killinger, Alvin C. (See Crittenden, B. P., and Killinger.)
- Killman, Thomas A., Nashville, Tenn., assignor to Dazey Churn & Mfg. Co. Container cap remover. 1,953,412; Apr. 3.
- Killorin, Francis O., assignor to Scovill Manufacturing Company, Waterbury, Conn. Container and closure therefor and making the same. 1,964,206; June 26.
- Killorin, Francis O., Waterbury, assignor to Scovill Manufacturing Company, New Haven, Conn. Closure for containers and the like and making the same. 1,974,252; Sept. 18.
- Kilmer, Austin J., Roseville, Mich., assignor to Michigan Tool Company, Cutting tool. 1,974,215; Sept. 18.
- Kilmer, Elmer E., Chicago, Ill., assignor to Republic Steel Corporation, Youngstown, Ohio. Tack strip feeding mechanism. 1,969,562; Aug. 7.
- Kilmer, Frederick B., assignor to Johnson & Johnson, New Brunswick, N. J. Means to prevent the spread of tuberculosis. 1,980,953; Nov. 13.
- Kilmer, William A., De Kalb, Ill., assignor to The American Steel and Wire Company of New Jersey. Semirigid wire fabric machine. 1,963,305; June 19.
- Kimball, Dwight D., Queens, and V. J. Cucel, Brooklyn, assignors to Columnar Heat, Incorporated, New York, N. Y. Heating apparatus. 1,942,432; Jan. 9.
- Kimball, Franklin E., Los Angeles, Calif. Refining gasoline with zinc chloride. 1,970,143; Aug. 14.
- Kimball, George C., Pittsburgh, Pa., assignor to American Sheet and Tin Plate Company. Sheet handling mechanism. 1,945,905; Feb. 6.
- Kimball, George D. (See MacLachlan, John C., assignor.)
- Kimball, Harry G., et al. (See Thomas, John W., assignor.)
- Kimball, James L., Beverly, Mass. Motor operated valve and the like. 1,974,335; Sept. 18.
- Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Operating valves from electric solenoids and the like. 1,944,841; Jan. 23.
- Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pressure and temperature control switch. 1,975,851; Oct. 9.
- Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Valve for the fractional supply of fluids. 1,974,071; Sept. 18.
- Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Method for the fractional supply of fluids. 1,974,072; Sept. 18.
- Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Reservoir for the supply of liquids. 1,974,073; Sept. 18.
- Kimball, Norman H., Salt Lake City, Utah. Electrically heated thermal latch. 1,956,902; May 1.
- Kimball, Norman H., Salt Lake City, Utah. Electrically heated thermal latch safety device. 1,966,724; July 17.
- Kimball, Vernon R. (See Dirkes, R. F., and Kimball.)
- Kimball, Wallace D., Jackson Heights, assignor to Standard-Knapp Corporation, Long Island City, N. Y. Paste applying mechanism. 1,985,293; Dec. 25.
- Kimball, Wallace D., Elmhurst, and C. Braren, Queens Village, N. Y., assignors, by mesne assignments, to Standard-Knapp Corporation. Machine for packing articles into boxes. 1,942,555; Jan. 9.
- Kimball, Wallace D., Jackson Heights, C. I. Braren, Jamaica, and J. H. Mosley, Jackson Heights, assignors to Standard-Knapp Corporation, Long Island City, N. Y. Can arranging machine. 1,972,488; Sept. 4.
- Kimball, Wallace D., Jackson Heights, C. I. Braren, Queens Village, and J. H. Mosley, Jackson Heights, assignors to Standard-Knapp Corporation, New York, N. Y. Crate dumping apparatus. 1,973,767; Sept. 18.
- Kimball, Wallace D., and J. H. Mosley, Jackson Heights, N. Y., assignors, by mesne assignments, to Standard-Knapp Corporation. Article-collecting device. 1,980,411; Nov. 13.
- Kimball, Willard P. (See Welliver, L. R., and Kimball.)
- Kimball, Arthur W., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Vacuum tube socket and terminal therefor. 1,963,792; June 19.
- Kimball, Arthur W., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Vacuum tube socket and terminal therefor. 1,963,793; June 19.
- Kimball, Arthur W., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Vacuum tube socket and terminal therefor. 1,963,794; June 19.
- Kimball, Arthur W., Newton Center, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making wing nuts. 1,981,363; Nov. 20.
- Kimberley, Rupert E., Junin, Argentina, assignor to American Throttle Company, Inc., New York, N. Y. Regulating valve apparatus for locomotive or other steam engines. 1,942,711; Jan. 9.
- Kimble Electric Co., The. (See Nies, John D., assignor.)
- Kimble, Harley E., assignor to General Electric X-Ray Corporation, Chicago, Ill. Electrode. 1,983,669; Dec. 11.
- Kimlin, Douglas O. (See Kimlin, Harry T., D. O., and H. T., jr.)
- Kimlin, Harry T., jr. (See Kimlin, Harry T., D. O., and H. T., jr.)
- Kimlin, Harry T., D. O., and H. T., jr., Hyde Park, N. Y. Thread cutting machine. 1,966,124; July 10.
- Kimmel, Forrest W., et al. (See Miller, Max H., assignor.)
- Kimmel, Frederick C., assignor to F. H. Kimmel, Rochester, N. Y. Portable electric heating and cooking utensil. 1,974,360; Sept. 18.
- Kimmel, Frederick H. (See Kimmel, Frederick C., assignor.)
- Kimmel, George P. (See Lewy, Harry, assignor.)
- Kimmel, George P. (See Pappert, Emanuel, assignor.)
- Kimmel, George P., Washington, D. C. Spectacle front. Des. 93,771; Nov. 6.
- Kimmel, Leslie D., assignor to Bluffton Slat Cutter Company, Bluffton, Ohio. Manufacturing fruit and vegetable slicers. 1,979,748; Nov. 6.
- Kimpton, William H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Change speed gearing. 1,966,952; July 17.
- Kimsey, Carl W. (See Kimsey, John E. and C. W.)
- Kimsey, John E. and C. W., Yakima, Wash. Fruit and vegetable sizer. 1,969,138; Aug. 7.
- Kimsey, Morton E., et al. (See Benroth, Julius S., assignor.)
- Kimura, George T., Sacramento, Calif. Kitchen machine. 1,976,284; Oct. 9.
- Kimura, Kesao, Terajimachio, Mukojimaku, Tokyo, Japan. Multicolor pencil. 1,981,917; Nov. 27.
- Kimzey, Robert T., San Jose, Calif. Hot air furnace. 1,965,775; July 10.
- Kinatome Patents Corporation. (See Bundick, C. U., and Proctor, assignors.)
- Kinatome Patents Corporation. (See Ford, George W., assignor.)
- Kinatome Patents Corporation. (See Foster, Warren D., assignor.)
- Kinatome Patents Corporation. (See Foster, W. D., and Parmelee, assignors.)
- Kinatome Patents Corporation. (See Foster, W. D., and Sweet, assignors.)
- Kinatome Patents Corporation. (See Laug, J. P., and Foster, assignors.)
- Kinatome Patents Corporation. (See Ponting, H. C., and Ford, assignors.)
- Kinatome Patents Corporation. (See Proctor, Barton A., assignor.)
- Kinatome Patents Corporation. (See Sweet, Frederick D., assignor.)
- Kincaid, Frank M., jr. (See Grogan, W. R., and Kincaid, jr.)
- Kincaid, Walter W., Oakland, Oreg. Automatic gate. 1,944,349; Jan. 23.
- Kind, Wilm., Berlin-Lichterfelde, G. Schenk, Berlin-Spanndau, and H. R. Busch, Berlin-Zehlendorf, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Sprayer employed in watering areas of land. 1,984,531; Dec. 18.
- Kindelberger, James H., Los Angeles, Calif., assignor to General Aviation Manufacturing Corporation, Dundalk, Md. Airplane. Des. 93,983; Dec. 4.
- Kindelberger, James H., West Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Tail wheel construction. 1,971,613; Aug. 28.
- Kindelmann, Albert, Floral Park, assignor to International Projector Corporation, New York, N. Y. Shutter shaft support. 1,946,700; Feb. 13.
- Kindelmann, Albert, Floral Park, assignor to International Projector Corporation, New York, N. Y. Adjustable shutter. 1,949,477; Mar. 6.
- Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Fly wheel mounting. 1,949,478; Mar. 6.

- Kindelmann, Albert, Floral Park, E. L. Jones, Bellaire, and J. Pearlman, New York, N. Y., and W. Ostrander, Roselle Park, N. J., assignors to International Projector Corporation, New York, N. Y. Film magazine for amateur motion picture cameras. 1,953,985; Apr. 10.
- Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Lens focusing mechanism. 1,957,170; May 1.
- Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Framing handle construction. 1,957,171; May 1.
- Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Speed and footage indicator for motion picture machines. 1,957,172; May 1.
- Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Adjustable sound lamp and aperture support for sound apparatus. 1,957,173; May 1.
- Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Shutter adjustment. 1,957,174; May 1.
- Kinder, Halsey G., assignor to Macwhyte Company, Kenosha, Wis. Apparatus for lubricating wire rope. 1,969,563; Aug. 7.
- Kinderman, Erich, Berlin-Reinickendorf-West, assignor to Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Single evaporator for absorption machines. 1,947,780; Feb. 20.
- Kindervater, Julius, Richmond, Va. Flexible staybolt structure. 1,985,209; Dec. 18.
- Kindt, Carl H., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,945,046; Jan. 30.
- Kindt, Carl H., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,948,036; Feb. 20.
- Kindt, Carl H., and F. D. Funston, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. Re19,224; June 26.
- Kindt, Carl H., E. F. Rossman, and R. I. Bates, assignors to The Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,953,178; Apr. 3.
- Kindred, Charles C., and B. C. Rice, Sikeston, Mo. Automatic coin-controlled cooled bottle dispenser. 1,975,364; Oct. 2.
- Kindt, Russell S. (See Delano, H. A., and Kindt.)
- Kiner, Glenn. (See Eaton, G. R., and Kiner.)
- Kinetic Chemicals Inc. (See Daudt, Herbert W., assignor.)
- Kinetic Chemicals, Incorporated. (See Dunphy, Raymond A., assignor.)
- Kinetic Chemicals Inc. (See Holt, L. C., and Mattison, assignors.)
- King, Alexander H., West Hartford, assignor to The Pratt & Whitney Aircraft Company, East Hartford, Conn. Carburetor. 1,978,429; Oct. 30.
- King, Alfred T. (See Van Allen, F. L. and King.)
- King, Angela V., New York, N. Y. Cosmetic container. 1,973,903; Sept. 18.
- King, Barnwell R. (See Pilaar, Donald, assignor.)
- King, Bernard, U. S. Navy. Carbon cutting device. 1,987,866; Nov. 27.
- King, Carl H., assignor to Globe-Union Mfg. Co., Milwaukee, Wis. Battery. 1,945,694; Feb. 6.
- King, Charles F., jr. (See Kerr, C., jr., Candee, King, Harder, and McLanahan.)
- King, Charles F., jr., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric motor control for refrigerated cars. 1,935,639; Dec. 25.
- King, Charles J., assignor to The Perfection Steel Body Company, Galion, Ohio. Burial vault. Des. 93,349; Sept. 18.
- King, Charles M., Birmingham, Ala. Pulling tool. 1,964,470; June 26.
- King, Charles W., assignor of one-half to G. M. Seewald, Memphis, Tenn. Tire spreader. 1,959,431; May 22.
- King Davis Corporation. (See King, Wendell B., assignor.)
- King, Dean W., San Francisco, Calif. Gun sight. 1,982,058; Nov. 27.
- King, Dewey H., Mayfield, Ky. Combination chair, ironing board, and step ladder. 1,982,111; Nov. 27.
- King, Douglas H., Irvington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 1,981,649; Nov. 20.
- King, Edward F., Cranston, R. I. Tractor device for vehicle tires and manufacture. 1,943,918; Jan. 16.
- King, Elmore L. (See Dowd, J. F., King, and Spencer.)
- King, Frank A., Englewood, Colo. Mechanical movement. 1,947,853; Feb. 20.
- King, Frank A., Lansing, assignor to General Motors Corporation, Detroit, Mich. Piston milling and turning machine. 1,948,236; Feb. 20.
- King, George E. (See Beach, C. E., and King.)
- King, George E. (See RuteMiller, O. G., and King.)
- King, George E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Variable-voltage reversing-planer controller. 1,955,334; Apr. 17.
- King, George W., assignor of two-twelfths to L. T. Englund, two-twelfths to J. E. Mahan, Coffeyville, Kans., and seven-twelfths to R. T. Osborn, New York, N. Y. Safety and vacuum valve structure for tanks. 1,949,208; Feb. 27.
- King, Gerald V., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,963,747; June 19.
- King, Gilbert M., Pawtucket, R. I. Textile fabric or similar article. Des. 91,585; Feb. 20.
- King, Harold C., Bronxville, N. Y. Air-craft. 1,944,436; Jan. 23.
- King, Harry L., Springfield, Mass. Indicating device. 1,953,614; Apr. 3.
- King, James, et al. (See Reynolds, Damian L., assignor.)
- King, Jesse G. (See Vandoren, B. J., and King.)
- King, Jesse G., Dayton, Ohio. Refrigerating apparatus. 1,981,598; Nov. 20.
- King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,954,136; Apr. 10.
- King, John L., assignor to Atlanta Harness and Reed Manufacturing Company, Atlanta, Ga. Loom harness and mail eye therefor. 1,944,516; Jan. 23.
- King, John M., Dover, N. J. Air-way fuse. 1,962,149; June 12.
- King, John W., Fort William, Ontario, Canada. Interchangeable jewel mounting. 1,971,265; Aug. 21.
- King, John T., Pampa, Tex. Preventing choking of oil wells and the like. 1,979,558; Nov. 6.
- King, Le Roy M., and W. E. Tournat, Oakland, Calif. Surgical foot covering. 1,980,486; Nov. 13.
- King, Lloyd E., Berwyn, Ill. Circuit breaker. 1,953,615; Apr. 3.
- King, Robert M., Columbus, Ohio, assignor to National Aluminate Corporation, Chicago, Ill. Preparing vitreous enamel slips. 1,953,760; Apr. 3.
- King, Vernon C., Worcester, Mass., assignor to E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Balanced spiral fabric. 1,952,873; Mar. 27.
- King, Walter J., Elmhurst, Ill., assignor, by mesne assignments, to Grigsby-Grunow Company. Electrical apparatus. 1,944,138; Jan. 16.
- King, Welly S., Youngstown, Ohio. Method and apparatus for producing sheet-like material. 1,955,503; Apr. 17.
- King, Wendell B., assignor to King Davis Corporation, West Palm Beach, Fla. Salt shaker. 1,970,891; Aug. 21.
- King, William, Clapham Park, London, England. Metal seal for wire and the like. 1,948,719; Feb. 27.
- King, William, Clapham Park, London, England. Wire sealing machine. 1,984,882; Dec. 18.
- King, William E. (See Ennor, W. T., and King.)
- King, William J., Schenectady, N. Y., assignor to General Electric Company. Heat convection meter. 1,977,340; Oct. 16.
- Kingman, Russell B. (See Kingman, R. B., and Mayer.)
- Kingman, Russell B., Orange, N. J. Soluble ink fountain pen. 1,947,092; Feb. 13.
- Kingman, Russell B., Orange, N. J. Soluble ink fountain pen. 1,964,821; July 3.
- Kingman, Russell B., Orange, N. J. Soluble ink fountain pen. 1,978,676; Oct. 30.
- Kingman, Russell B., Orange, and D. J. Mayer, Belleville, N. J.; said Mayer assignor to said Kingman. Self-filling fountain pen. 1,953,940; Apr. 10.
- Kingman, Russell B., Orange, and D. J. Mayer, Belleville, N. J.; said Mayer assignor to said Kingman. Soluble ink fountain pen. 1,978,675; Oct. 30.
- Kingsboro Silk Mills. (See Quick, P. H., and Simpson, assignors.)
- Kingsbury, Edward J., Keene, N. H. Drilling machine. Re19,185; May 29.
- Kingsbury, Edward J., Keene, N. H. Metal working machine. 1,975,007; Sept. 25.
- Kingsbury, Edward J., assignor to Kingsbury Machine Tool Corporation, Keene, N. H. Machine tool having an indexing movement. 1,975,008; Sept. 25.
- Kingsbury, Edward J., and G. Swahnberg, assignors to Kingsbury Machine Tool Corporation, Keene, N. H. Indexing and control mechanism for a metal working machine. 1,975,005; Sept. 25.
- Kingsbury, Edward J., and J. E. Anderson, assignors to Kingsbury Machine Tool Corporation, Keene, N. H. Indexing and control mechanism for independent metal working units. 1,975,006; Sept. 25.
- Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,983,615; Dec. 11.
- Kingsbury, Harry T., assignor to Kingsbury Manufacturing Company, Keene, N. H. Lighting system for toy automobiles. Re19,271; Aug. 14.
- Kingsbury, Harry T., assignor to Kingsbury Manufacturing Company, Keene, N. H. Electrically lighted toy. 1,969,407; Aug. 7.
- Kingsbury, Harry T., assignor to Kingsbury Mfg. Company, Keene, N. H. Flash light attachment for batteries. 1,971,266; Aug. 21.
- Kingsbury, Harry T., assignor to Kingsbury Mfg. Company, Keene, N. H. Tape of checks. 1,983,463; Dec. 4.
- Kingsbury Machine Tool Corporation. (See Kingsbury, Edward J., assignor.)
- Kingsbury Machine Tool Corporation. (See Kingsbury, E. J., and Anderson, assignors.)

- Kingsbury Machine Tool Corporation. (See Kingsbury, E. J., and Swahnberg, assignors.)
- Kingsbury Machine Works, Inc. (See Howarth, Harry A. S., assignor.)
- Kingsbury Manufacturing Company. (See Kingsbury, Harry T., assignor.)
- Kingsbury, Ralph M. (See Paine, H. S., Kingsbury, and Yanovsky.)
- Kingsland, George D., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat regulating device. Re19,091; Feb. 20.
- Kingsland, William K., Philadelphia, Pa. Brake tester. 1,945,278; Jan. 30.
- Kingsley, Charles B., Clairton, Pa., assignor to Mississippi Glass Company, New York, N. Y. Method and apparatus for making wire glass. 1,945,695; Feb. 6.
- Kingsley, George E., assignor to Magnetic Signal Co., Los Angeles, Calif. Wigwag signal with mask. 1,955,966; Apr. 24.
- Kingsley, Joel B., San Francisco, assignor of one-half to W. L. Shimmom, Keyes, Calif. Vehicle directional signal. 1,977,586; Oct. 16.
- Kingston, Frederick S., assignor, by mesne assignments, to Sunlight Electrical Company, Warren, Ohio. Clutch. 1,953,179; Apr. 3.
- Kingston, Frederick S., and B. L. Conley, Warren, Ohio; said Kingston assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Motor support. 1,971,417; Aug. 28.
- Kingston Products Corporation. (See Zimmerer, Mark E., assignor.)
- Kinkead, Clyde H., Inglewood, Calif. Certificate holder. 1,976,261; Oct. 9.
- Kinkead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter selector system. 1,946,216; Feb. 6.
- Kinkead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal transmitting circuits. 1,971,686; Aug. 28.
- Kinkead, Fullerton S., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control system. 1,979,112; Oct. 30.
- Kinkead, Fullerton S., Brooklyn, N. Y., and G. J. Kandel, Bloomfield, N. J.; said Kinkead assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Kandel assignor to American Telephone and Telegraph Company. Telegraph exchange system. 1,970,938; Aug. 21.
- Kinkead, George R., and W. L. Moir, Chicago, Ill.; said Moir assignor to said Kinkead. Bottle carrier. 1,949,207; Feb. 27.
- Kinkead, Robert E. (See Champion, T. P., Kinkead, and Applegate.)
- Kinkead, Robert E., assignor, by mesne assignments, to Una Welding Inc., Cleveland, Ohio. Apparatus for coating wire. 1,952,502; Mar. 27.
- Kinkenon, Frank R., assignor to Bakeries Service Corporation, New York, N. Y. Article container. 1,960,635; May 29.
- Kinker, Clarence C., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Continuous rotation glass machine. 1,980,543; Nov. 13.
- Kinker, Clarence C., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Glass furnace. 1,980,844; Nov. 13.
- Kinker, Clarence C., Toledo, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass blank transfer. 1,985,416; Dec. 25.
- Kinker, John C., Jr., Richmond, Va. Contractile bobbin. 1,968,402; July 31.
- Kinker, John C., Jr., Richmond, Va. Shredding tobacco stems. 1,968,403; July 31.
- Kinley, Frans O. J. (See Blomqvist, C. M. J., and Kinley.)
- Kinley, Myron M., Tulsa, Okla., assignor to Zero Hour Torpedo Company, Casper, Wyo. Plugging device. 1,979,802; Nov. 6.
- Kinloch, Donald H., Parlin, N. J., assignor to du Pont Film Manufacturing Corp., New York, N. Y. Spooled film. 1,962,959; June 12.
- Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Meter testing device. 1,942,063; Jan. 2.
- Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Electromagnetic apparatus. 1,982,344; Nov. 27.
- Kinnard, Luther J., Chicago, Ill., assignor to Westinghouse Electric Elevator Company. Control system. 1,984,308; Dec. 11.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Draft gear. 1,963,584; June 19.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Draft appliance. 1,968,559; July 31.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,972,940; Sept. 11.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler mechanism. 1,975,641; Oct. 2.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,978,584; Oct. 30.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,981,179; Nov. 20.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,981,918; Nov. 27.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler operating mechanism. 1,983,136; Dec. 4.
- Kinne, Edmund P., Alliance, Ohio, assignor, by mesne assignments, to Union Metal Products Company, Chicago, Ill. Carry iron wearing plate. 1,983,616; Dec. 11.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,985,036; Dec. 18.
- Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Coupler. 1,942,759; Jan. 9.
- Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Draft gear. 1,981,180; Nov. 20.
- Kinnear, Harry B. (See Lorig, C. H., Gillett, and Kinnear.)
- Kinnear Manufacturing Company, The. (See Cross, Earl F., assignor.)
- Kinney Bros. & Sipprell. (See Carpenter, Clifford, assignor.)
- Kinney, Edward A., Whitman County, Wash. Canvas grain bag. 1,953,962; Apr. 10.
- Kinney, Fay D., Southbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,946,797; Feb. 13.
- Kinney, Fay D., Southbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,964,065; June 26.
- Kinney, Grayson T., assignor to The Cleveland Tractor Company, Cleveland, Ohio. Lubricating means. 1,948,819; Feb. 27.
- Kinney, Harry D., New York, N. Y. Bottle or similar article. Des. 92,145; May 1.
- Kinney, Joseph N., Brooklyn, N. Y. Bracket. 1,950,250; Mar. 6.
- Kinnicutt, Katherine J., Island Park, N. Y. Tray insert for cooking utensils. 1,976,616; Oct. 9.
- Kinnucan, James W., Detroit, Mich. Engine. 1,979,071; Oct. 30.
- Kinnucan, James W., and J. O. Fink, assignors to Continental Motors Corporation, Detroit, Mich. Engine. 1,983,699; Dec. 11.
- Kinsella, Andrew J. (See Cole, T. L., and Kinsella.)
- Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Operating mechanism for knitting machines. 1,980,209; Nov. 13.
- Kinsella, Edward. (See Dreyfus, H., Kinsella, Bower, and Taylor.)
- Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England. Supporting of thread guides of warp knitting machines. 1,969,754; Aug. 14.
- Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Mechanism for effecting the lapping movement of the thread-guides of warp-knitting machines. 1,981,511; Nov. 20.
- Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Mechanism for effecting the between-needle movements of thread guides in warp-knitting machines. 1,981,512; Nov. 20.
- Kinsella, Edward, J. G. Pratt, and B. Kelsall, Spondon, near Derby, England, assignors to Celanese Corporation of America. Knitting mechanism. 1,981,513; Nov. 20.
- Kinsler, Vernon, Purdy, Mo. Variable speed transmission. 1,949,078; Feb. 27.
- Kinsley, Albert E., Norwick, N. Y. Animal trap. 1,972,347; Sept. 4.
- Kinsley, Felix P., St. Louis, Mo. Finger ring. Des. 93,829; Nov. 13.
- Kinsley, Felix P., St. Louis, Mo. Finger ring. Des. 93,830; Nov. 13.
- Kinsley, Felix P., St. Louis, Mo. Wedding ring and engagement ring set. 1,956,033; Apr. 24.
- Kinsley, Jason D., Cedar Rapids, Iowa. Producing dental plates. 1,958,709; Apr. 17.
- Kinslow, Elijah M., Barstow, assignor, by mesne assignments, to Vitimin Milling Corporation, Los Angeles, Calif. Apparatus for making flour. 1,974,113; Sept. 18.
- Kinsman, Charles C., assignor to Universal Draft Gear Attachment Company, Chicago, Ill. Railway brake. 1,980,686; Nov. 13.
- Kinston, Frederick S., assignor, by mesne assignments, to Sunlight Electrical Company, Warren, Ohio. Electric motor. 1,948,037; Feb. 20.
- Kintner, Samuel M., Pittsburgh, and P. Thomas, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Photo-sensitive apparatus. 1,958,893; May 15.
- Kintz, Alfred G., Wallingford, Conn., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. Des. 92,722; July 10.
- Kintz, Robert R., Meriden, Conn. Window box or similar device. 1,958,889; Apr. 24.
- Kintzley, Alfred B., Burlingame, Calif. Portable derrick. 1,974,463; Sept. 25.
- Kinzbach, Frank, Houston, Tex. Brake for cat heads. 1,964,262; June 26.

- Kinzbach, Frank, Houston, Tex. Shaper. 1,980,922; Nov. 13.
- Kinzel, Arch H., Akron, Ohio. Gasket. 1,943,122; Jan. 9.
- Kinzel, Augustus B., Beechhurst, Long Island, N. Y., assignor to Electric Metallurgical Company. Composite metal article. 1,953,859; Apr. 3.
- Kinzel, Augustus B., Beechhurst, Long Island, N. Y., assignor to Electric Metallurgical Company. Alloy steel spring. 1,972,524; Sept. 4.
- Kinzel, Augustus B., Beechhurst, Long Island, N. Y., assignor to Electric Metallurgical Company. Case-hardening. 1,977,280; Oct. 16.
- Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Enameling composition. 1,944,938; Jan. 30.
- Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Vitreous enamel frit and producing same. 1,959,678; May 22.
- Kinzie, Charles J., and C. H. Commons, jr., Niagara Falls, assignors to The Titanium Manufacturing Company, New York, N. Y. Vitreous enamels and making same. 1,949,479; Mar. 6.
- Kinzie, Phillip A., assignor to Universal Hydraulic Corporation, Denver, Colo. Pressure actuated valve. 1,980,067; Nov. 6.
- Kinzie, Phillip A., J. L. Savage, and L. E. France, assignors to Universal Hydraulic Corporation, Denver, Colo. Butterfly valve. 1,951,283; Mar. 13.
- Kip, Carola D., jr., assignor to Harper's Bazaar, Inc., New York, N. Y. Perfume sample. 1,981,032; Nov. 20.
- Kip, Frederic E., Montclair, N. J. Liquid fuel stove. 1,948,221; Feb. 20.
- Kip, Henry E., Lakewood, Ohio, assignor to National Carbon Company, Inc. Arc lamp. 1,949,687; Mar. 6.
- Kipfer, Max M. (See Sharp, J. E., and Kipfer.)
- Kiplinger, Clarence G. (See Jewett, J. E., and Kiplinger.)
- Kipnis, Abraham, Far Rockaway, assignor to R-K Products, Inc., New York, N. Y. Flange forming machine. 1,978,430; Oct. 30.
- Kipp, Theodore, Winnipeg, Manitoba, Canada. Wooden culvert, water pipe, and the like. 1,966,863; July 17.
- Kippe, Otto, Osnabrück, Hanover, assignor to Klöckner-Werke A.-G., Westphalia, Germany. Producing magnesium deficient in lime and calcium nitrate from dolomite. 1,975,954; Oct. 9.
- Kipper, Herman B., Cleveland, Ohio, assignor to R. B. Knox, Bronxville, N. Y. Formation of nitrates of metallic elements. 1,954,415; Apr. 10.
- Kipper, Herman B., Accord, Mass. Digestion of vegetable growths to produce cellulose. 1,975,161; Oct. 2.
- Kipper, Herman B., Accord, Mass. Digestion of vegetable growths to produce cellulose. 1,985,609; Dec. 25.
- Király, Pál. (See Gebauer, F., and Király.)
- Kirby, C. W. (See Teate, Thomas A., assignor.)
- Kirby, Charles H., assignor to Marvel Carburetor Company, Flint, Mich. Vacuum controlled carburetor heater. 1,947,048; Feb. 13.
- Kirby, Charles H., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,958,542; May 15.
- Kirby, James B., West Richfield, Ohio. Window washer. 1,982,345; Nov. 27.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Suction cleaner casing. Des. 91,886; Apr. 3.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Suction cleaning apparatus. 1,949,052; Feb. 27.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Washing machine. 1,950,732; Mar. 13.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Suction carpet sweeper. 1,952,014; Mar. 20.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Laundry machine. 1,957,142; May 1.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Laundry machine. 1,964,882; July 3.
- Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Washing machine. 1,969,176; Aug. 7.
- Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Laundry machine. 1,969,177; Aug. 7.
- Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Laundry machine. 1,969,178; Aug. 7.
- Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Laundry machine. 1,969,179; Aug. 7.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Suction cleaner. 1,976,998; Oct. 16.
- Kirby, James B., West Richfield, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Suction cleaner. 1,983,175; Dec. 4.
- Kirby, James E. (See Carothers, W. H., Collins, and Kirby.)
- Kirby, James E. (See Carothers, W. H., and Kirby.)
- Kirby, Philip H. (See Freeman, J. R., jr., and Kirby.)
- Kirby, Wilfred. (See Nasmith, J. I., and Kirby.)
- Kirch, Ernst, Berlin-Oberschöneweide, Germany. Multiple conductor cable. 1,950,182; Mar. 6.
- Kircher, Heinrich. (See Rockstroh, J., Raspe, and Kircher.)
- Kircher, Horace S. (See Ivins, E., and Kircher.)
- Kircher, Ralph N., assignor to West Bend Aluminum Company, West Bend, Wis. Cocktail shaker. Des. 93,928; Nov. 27.
- Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Processing dough. 1,951,549; Mar. 20.
- Kirchner, Carl, assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Bar bending machine. 1,957,395; May 1.
- Kirchner, Henry F., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive articles. 1,944,184; Jan. 23.
- Kirchner, Walter, Berlin, assignor to Chemische Fabrik Grunau, Landshoff & Meyer Aktiengesellschaft Berlin-Grunau, Germany. Accelerating the hardening of Hydraulic binding means. 1,968,152; July 31.
- Kirk, Claude R., Oak Park, assignor to J. F. Meyer, Chicago, Ill. Amusement game cabinet. Des. 93,113; Aug. 21.
- Kirk, Claude R., assignor to J. F. Meyer, Chicago, Ill. Game apparatus. 1,973,814; Sept. 18.
- Kirk, Claude R., Oak Park, and E. E. Collison, assignors to Standard Ticket Games Corporation, Chicago, Ill. Game apparatus. 1,973,815; Sept. 18.
- Kirk, Edward B., New York, N. Y. Illumination control apparatus. 1,965,654; July 10.
- Kirk, Edward B., Brookline, assignor to American Optical Company, Southbridge, Mass. Eye testing device. 1,960,111; May 22.
- Kirk, Ernest W. (See Ellis, G. H., Olpin, and Kirk.)
- Kirk, Ernest W. (See Hall, J., Olpin, Reeves, and Kirk.)
- Kirk, Ernest W., H. C. Olpin, and G. H. Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of hydroxylated derivatives of the anthraquinone series. 1,963,136; June 19.
- Kirk, John, San Francisco, Calif. Safety gas grate. 1,941,866; Jan. 2.
- Kirk, John A., Detroit, Mich. Combination of uteri-locating device and medical applicator. 1,978,677; Oct. 30.
- Kirk, Morris P., assignor to M. P. Kirk & Son, Inc., Los Angeles, Calif. Plumbite solutions. 1,977,993; Oct. 23.
- Kirk, Morris P., & Son, Inc. (See Kirk, Morris P., assignor.)
- Kirk, Noel R., Tientsin, China. Dispensing apparatus. 1,942,556; Jan. 9.
- Kirk, Raphael S., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Machine for shaping tires and inserting air bags. 1,948,302; Feb. 20.
- Kirk, William J. (See Homan, John G., assignor.)
- Kirk, William M. (See Wille, F., Hulse, and Kirk.)
- Kirkham, Alfred, assignor to Peter Spence & Sons, Limited, Manchester, England. Treatment of siliceous materials. 1,973,211; Sept. 11.
- Kirkham, Charles B. (See Carpenter, M. H., and Kirkham.)
- Kirkham, Hall. (See Ames, Richard V., assignor.)
- Kirkham, Kenzie K., Ames, Iowa. Athletic glove or mitt construction. 1,974,616; Sept. 25.
- Kirkland, Beatrice B., Newark, N. J. Scarf or muffler. 1,957,967; May 8.
- Kirkman, Thomas W., New York, N. Y. Electric fuse. 1,981,599; Nov. 20.
- Kirkpatrick, Helen I., Cincinnati, assignor to The Gibbs Manufacturing Company, Canton, Ohio. Portable quilting apparatus. 1,951,246; Mar. 13.
- Kirkpatrick, William J., Garden City, assignor to A. Schrader's Son, Incorporated, New York, N. Y. Valve stem. 1,948,762; Feb. 27.
- Kirkwood, Matthew W., Preston, Ontario, Canada. Electric water heater. 1,959,113; Mar. 6.
- Kirmss, Richard, Brooklyn, N. Y. Tube paste dispenser and valve closure therefor. 1,978,798; Oct. 30.
- Kirn, Robert E., New York, N. Y., and F. D. Durham, assignors to C. Lee Cook Manufacturing Company, Louisville, Ky. Piston ring. 1,970,982; Aug. 21.
- Kirsch, Alfred. (See Krzikalla, H., and Kirsch.)
- Kirsch, Charles W., deceased, G. W. and J. N. Kirsch, coexecutors, assignors to Kirsch Company, Sturgis, Mich. Drapery suspension fixture. 1,942,712; Jan. 9.
- Kirsch Company. (See Kirsch, Charles W., assignor.)
- Kirsch, Guy W., et al., executors. (See Kirsch, Charles W.)
- Kirsch, John N., et al., executors. (See Kirsch, Charles W.)
- Kirsch, Peter, Decatur, Ind. Fishmouth spreader. 1,952,990; Mar. 27.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Bituminous emulsion. 1,948,881; Feb. 27.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Fabricated roofing element. 1,950,032; Mar. 6.
- Kirschbraun, Lester, Leonia, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Treating roofing elements. 1,955,131; Apr. 17.

- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Rubber emulsions and making same. 1,956,543; Apr. 24.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Waterproof composition and producing same. 1,959,586; May 22.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Manufacture of aqueous dispersions. 1,969,308; Aug. 7.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Rubber asphalt dispersion. 1,978,022; Oct. 23.
- Kirschbraun, Lester, Leonia, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Packaged article of manufacture. 1,982,215; Nov. 27.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Composition building material. 1,984,218; Dec. 11.
- Kirschbraun, Lester, assignor to Universal Oil Products Company, Chicago, Ill. Converting oils. 1,949,480; Mar. 6.
- Kirschbraun, Lester, Leonia, and H. L. Levin, Nutley, N. J., assignors, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Producing emulsions or dispersions. 1,960,112; May 22.
- Kirschner, Abraham S., Glenside, Pa. Envelope moistener and sealer. 1,970,460; Aug. 14.
- Kirst, Leonard R. (See Tucker, J. O., and Kirst.)
- Kirst, Werner. (See Müller, C. J., and Kirst.)
- Kirst, William E., H. A. Lewis, and J. L. Ver Bryck, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting cap. 1,975,608; Oct. 2.
- Kirst, William E., Woodbury, N. J., and F. J. G. Thedieck, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing nitriles. 1,978,431; Oct. 30.
- Kirstahler, Alfred. (See Kaiser, W. J., and Kirstahler.)
- Kirste, George. (See Reavis, W. E., and Kirste.)
- Kirsten, Kurt F. J., Seattle, Wash., assignor to Kirsten Lighting Corporation. Gas arc lamp. 1,980,534; Nov. 13.
- Kirsten Lighting Corporation. (See Kirsten, Kurt F. J., assignor.)
- Kirton, Thomas A., Jacksonville, Fla. License tag. 1,970,461; Aug. 14.
- Kish, Charles. (See Peremi, E., and Kish.)
- Kislyn Corporation. (See Berthon, Rodolphe, assignor.)
- Kislyn Corporation. (See Gregory, Carl L., assignor.)
- Kispert, William F., Green Bay, Wis. Flange construction. 1,941,841; Jan. 2.
- Kissel, Frank D., and P. P. Runnels, Indianapolis, Ind. Cabinet or similar article. Des. 92,253; May 15.
- Kissinger, Arthur T., assignor to C. A. Reed Company, Williamsport, Pa. Cup favor. Des. 91,946; Apr. 10.
- Kissinger, Arthur T., assignor to C. A. Reed Company, Williamsport, Pa. Cup favor. Des. 91,947; Apr. 10.
- Kissinger, Arthur T., assignor to C. A. Reed Company, Williamsport, Pa. Cup favor. Des. 91,948; Apr. 10.
- Kissinger, Arthur T., assignor to C. A. Reed Company, Williamsport, Pa. Cup favor. Des. 92,475; June 12.
- Kissling, Albert. (See Fischer, E., Kissling, and Kracker.)
- Kisliakowsky, George B. (See Lenher, S., and Kisliakowsky.)
- Kistler, Herman E., Wheeling, W. Va. Devices for supporting advertising matter in tires. 1,946,861; Feb. 13.
- Kistner, Maurice E., Meredosia, Ill. Lawn mower sharpener. 1,955,636; Apr. 17.
- Kitchen, William G., assignor to Allbestos Corporation, Philadelphia, Pa. Making a flexible molded brake lining. 1,983,464; Dec. 4.
- Kitchen Aid Manufacturing Company, The. (See Fischer, Theodore E., assignor.)
- Kitchen Aid Manufacturing Company. (See Johnston, Edward S., assignor.)
- Kitchens, Jennings B., Tucson, Ariz. Telegraph transmitter. 1,985,640; Dec. 25.
- Kitchin, John, assignor to J. F. Smith, Rochester, N. Y. Glare shield. 1,954,081; Apr. 10.
- Kitroser, Isaac, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Television transmitter. 1,965,103; July 3.
- Kitroser, Isaac, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Sonorizing goffered films and product thereof. 1,984,532; Dec. 18.
- Kitroser, Isaac, Saint Cloud, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Machine for developing goffered moving picture films. 1,967,889; July 24.
- Kitroser, Isaac, and André Avéran, Paris, France, assignors, by mesne assignments, to Keller-Dorian Colorfilm Corporation, New York, N. Y. Photographic objective. 1,941,696; Jan. 2.
- Kitsee, Isidor, assignor to Mineralite Corporation, Philadelphia, Pa. Method and means to increase the electric insulating property of ceramics such as porcelain. 1,949,311; Feb. 27.
- Kitson Company. (See Densten, Ullyses G., assignor.)
- Kitson Company. (See Lovekin, Luther D., assignor.)
- Kitson Company. (See Lovekin, L. D., and Le Gorre, assignors.)
- Kitson Company. (See Werring, Francis W., assignor.)
- Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Mask for typewriting machines. Des. 93,168; Aug. 28.
- Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. Des. 93,169; Aug. 28.
- Kittelson, Harry O., Veblen, S. Dak. Milk tester. 1,959,208; May 15.
- Kittle, Howard A., Rochester, N. Y. Lead for printing presses. 1,963,585; June 19.
- Kittle Manufacturing Co. (See Frey, Elmer E., assignor.)
- Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Motor brush. 1,948,268; Feb. 20.
- Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,350; Apr. 3.
- Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,616; Apr. 3.
- Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,953,617; Apr. 3.
- Kittredge, Arthur E., Haddon Heights, N. J., assignor to Cochran Corporation, Philadelphia, Pa. Deaerating apparatus. 1,951,024; Mar. 13.
- Kittredge, John W., Akron, Ohio. Flexible coupling for shafting. 1,976,131; Oct. 9.
- Kitzelman, Herman, assignor to Acorn Wire & Iron Works, Chicago, Ill. Window grille. 1,960,015; May 22.
- Kivari, Arthur M. (See Weber, W. C., and Kivari.)
- Kivler, Charles D., Thomasville, Ga. Foldable chair. 1,977,766; Oct. 23.
- Kiwad, Isadore, assignor of one-fourth to H. Radzinsky, New York, N. Y. Hat-forming die. 1,950,054; Mar. 6.
- Kizaur, Arthur J. (See Grobe, J. J., and Kizaur.)
- Kizer, Howard W., South Orange, N. J., assignor to The Texas Company, New York, N. Y. Motor driven tank truck. Des. 93,559; Oct. 9.
- Kjaer, Viggo A., Copenhagen, Denmark. Device for counterbalancing or diminishing the vibrations occurring in the stationary parts of engine plants and the like. 1,958,148; May 8.
- Kjellstrom, John H., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Knock-down spool. 1,985,505; Dec. 25.
- Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Welded railway truck. 1,978,206; Oct. 23.
- Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Welded railway truck. 1,978,207; Oct. 23.
- Kjomprens, Roy, Providence, R. I. Furnace outlet box and register. 1,961,497; June 5.
- Klaiber, Frank L., Buffalo, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Internal combustion engine. 1,943,870; Jan. 16.
- Klaiber, Friedrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Synchronizing system. 1,945,355; Jan. 30.
- Klaisler, Andrew J. (See Berry, Robert C., assignor.)
- Klammer, Alfred W. (See Klammer, Edwin G., A. W., and R. G.)
- Klammer, Edwin G., A. W., and R. G., Howard Lake, Minn. Brake mechanism. 1,966,670; July 17.
- Klammer, Reuben G. (See Klammer, Edwin G., A. W., and R. G.)
- Klamroth, Albert, Cologne-Mulheim, and H. Ahrens, Leverkusen-Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Metal pickling process. 1,981,109; Nov. 20.
- Klaphake, Wolfgang. (See Meerwein, H., Ulffers, Erbe, Aichner, and Klaphake.)
- Klappenecker, Wilhelm, assignor to Ferdinand Schuchhardt, Berliner Fernsprech- und Telegraphenwerk, Aktiengesellschaft, Berlin, Germany. Device for driving bands. 1,955,813; Apr. 24.
- Klarer, Joseph, F. Metzsch, and H. Hahl, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Basic alcohol. 1,978,539; Oct. 30.
- Klarmann, Emil, Jersey City, assignor to Lehn & Fink, Inc., Bloomfield, N. J. Germicidal preparation. 1,953,413; Apr. 3.
- Klarmann, Emil, Jersey City, assignor to Lehn & Fink, Inc., Bloomfield, N. J. Hydrocarbon substituted bromophenol. 1,969,801; Aug. 14.
- Klarmann, Emil, Jersey City, assignor to Lehn & Fink, Inc., Bloomfield, N. J. Germicidal preparation. 1,984,646; Dec. 18.
- Klarmann, Emil, Jersey City, and L. W. Gatyas, assignors, by mesne assignments, to Lehn & Fink, Inc., Bloomfield, N. Y. Bactericidal compound. 1,967,825; July 24.
- Klatt, Rudolph, assignor to Auto-Wheel Coaster Company, Inc., North Tonawanda, N. Y. Steering gear for vehicles. 1,984,309; Dec. 11.
- Klan, David W., New York, N. Y. Window shade. Des. 92,612; June 26.
- Klan, David W., New York, N. Y. Window shade. Des. 92,613; June 26.
- Klan, David W., New York, N. Y. Window shade making table. 1,955,637; Apr. 17.
- Klaucke, Hermann, assignor to Baldwin-Duckworth Chain Corporation, Worcester, Mass. Flexible coupling. 1,965,145; July 3.
- Klauder, David S., Jr., Wyomissing, Pa. Inclination gauge. 1,980,487; Nov. 13.

- Klaudt, Helmuth R., Chicago, Ill. Adjustable supporting bar. 1,951,660; Mar. 20.
- Klaue, Charles, Philadelphia, Pa. Closure for heaters. 1,977,482; Oct. 16.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company. Electric rail clamp for mobile drills. 1,945,048; Jan. 30.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Adjustable spring mount and clamp for radial drill sleeves. 1,960,442; May 29.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Torque discriminator. 1,976,943; Oct. 16.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Feed gear antioverload device. 1,976,944; Oct. 16.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Column clamp and power feed interlock. 1,979,473; Nov. 6.
- Klausmeyer, David C., Hyde Park, and A. M. Sosa, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Head mounted arm clamp and elevating control. 1,945,047; Jan. 30.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, and A. M. Sosa, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Interlocked arm clamp and elevating control. 1,948,618; Feb. 27.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, and A. M. Sosa, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Head and column clamp interlock. 1,967,409; July 24.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, and A. M. Sosa, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Interlocked arm clamping and elevating mechanism. 1,976,942; Oct. 16.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, and R. L. Rickwood, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Safety limit trip for spindle feed. 1,976,945; Oct. 16.
- Klausmeyer, David C., deceased, by H. H. Sundermann, executor, and T. L. Gibson, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Cartridge type drive gear assembly. 1,979,474; Nov. 6.
- Klavehn, Wilfrid. (See Hildebrandt, G., and Klavehn.)
- Klavehn, Wilfrid, Mannheim, Germany, assignor, by mesne assignments, to E. Bilhuber, Incorporated, Jersey City, N. J. Production of derivatives of amino-6-methyl-2-heptene-2. 1,972,450; Sept. 4.
- Klayman, Frank L., Newton, and F. R. Lawrence, Roxbury, said Klayman assignor to Louis Gordon, Chelsea, Mass. Apparatus for cleaning and sterilizing feathers. 1,945,296; Jan. 30.
- Klebanow, Leo, New York, N. Y. Bottle collar or similar article of manufacture. Des. 92,405; June 5.
- Klebanow, Leo, New York, N. Y. Bottle collar or tag. 1,971,528; Aug. 28.
- Kleber, Jackson O. (See De Napoli, A. C., Jr., and Kleber.)
- Klee, Henry O., Jackson, Mich. Folding chair construction. 1,953,351; Apr. 3.
- Klee, Henry L., Jackson, Mich. Table top construction. 1,954,449; Apr. 10.
- Kleen Chemical Company. (See O'Brien, James K., assignor.)
- Klees, Albert L. (See Loebell, H. O., and Klees.)
- Klefer, Charles B., assignor to Bloomer Bros. Company, Newark, N. Y. Carton construction. 1,975,106; Oct. 2.
- Kleffel, Harrison E., New York, N. Y. Tube covering. 1,969,374; Aug. 7.
- Kleffman, John, Hibbing, Minn. Trap. 1,951,295; Mar. 13.
- Kleffman, John, Hibbing, Minn. Choker Trap. 1,951,296; Mar. 13.
- Kleiber, Carl E. (See Peck, E. B., and Kleiber.)
- Kleiber, Carl E. (See Peck, E. B., Kleiber, and Archibald.)
- Kleiger, Phillip, et al. (See Block, Morris H., assignor.)
- Klein, Alma S., et al. (See Brown, Tony A., assignor.)
- Klein, Benjamin, Long Island City, assignor to Small, Kleppner & Seiffer, Inc., New York, N. Y. Dispensing container. 1,977,796; Oct. 23.
- Klein, Benjamin F., Detroit, Mich. Lid. 1,951,055; Mar. 13.
- Klein, Benjamin F., Detroit, Mich. Container closure. 1,968,298; July 31.
- Klein, Chris J., Detroit, and J. R. Morgan, Birmingham, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 92,358; May 29.
- Klein, Edward W., Atlanta, Ga. Automatic pressure control. 1,951,697; Mar. 20.
- Klein, Frederick, College Point, N. Y., assignor to Sipp-Eastwood Corporation, Paterson, N. J. Yarn control means. 1,942,511; Jan. 9.
- Klein, Frederick, College Point, N. Y., assignor to Sipp-Eastwood Corporation, Paterson, N. J. Electrostatic eliminator. 1,966,587; July 17.
- Klein, Frederick, Glen Rock, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Yarn control means. 1,977,068; Oct. 16.
- Klein, Hans. (See Luther, M., and Klein.)
- Klein, Hans, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of stoving lacquers. 1,965,959; July 10.
- Klein, Henry, Philadelphia, Pa. Printer's quoin. 1,955,638; Apr. 17.
- Klein, Hermann. (See Schmid, A., Klein, Mattes, and Callsen.)
- Klein, Joseph A., Fairview, N. J. Muffler. Des. 93,024; Aug. 14.
- Klein, Leonard. (See Ralston, O. C., and Klein.)
- Klein, Leonard. (See Rosenstein, L., and Klein.)
- Klein, Mathias, & Sons. (See Gordon, Emmett R., assignor.)
- Klein, Mathias, & Sons. (See Johnson, Ewald E., assignor.)
- Klein, Mathias, & Sons. (See O'Russa, Lorence, assignor.)
- Klein, Mathias, & Sons. (See Rose, William, assignor.)
- Klein, Maurice A., New York, N. Y. Flash light baton. 1,950,369; Mar. 6.
- Klein, Maximilian, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Gauge locking device. 1,978,271; Oct. 23.
- Klein, Maximilian, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Gearless gauge construction. 1,978,750; Oct. 30.
- Klein, Morris, Brooklyn, N. Y. Folding spectacles. 1,970,044; Aug. 14.
- Klein, Myer S., Malden, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Shoe heel. Des. 92,177; May 8.
- Klein, Paul, Budapest, Hungary, and A. Szegvári, assignors to American Anode Inc., Akron, Ohio. Process of and apparatus for producing liquid dispersions. 1,956,293; Apr. 24.
- Klein, Pearce, Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,971,822; Aug. 28.
- Klein, Pearce, Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,975,581; Oct. 2.
- Klein, Richard, Detroit, Mich. Curling rod for permanent waving. 1,951,154; Mar. 13.
- Klein, Richard, Detroit, and J. Bodnar, Wyandotte, Mich. Hair curling device. 1,951,616; Mar. 20.
- Klein, Samuel, Chicago, Ill. Building structure. 1,954,818; Apr. 17.
- Klein, Samuel, Chicago, Ill. Stirrup construction. 1,954,819; Apr. 17.
- Klein, Samuel, New York, and D. R. Kasanof, Brooklyn, N. Y.; said Kasanof assignor to said Klein. Seal. Des. 91,630; Feb. 27.
- Klein, Stefan, Montreal, Quebec, Canada. Vegetable cutter and grater. 1,964,437; June 26.
- Klein, Walter F., Milwaukee, assignor, by mesne assignments, to Snap-On Tools, Inc., Kenosha, Wis. Apparatus for thin wall broaching. 1,958,705; May 15.
- Klein, Wilhelm. (See Tschunkur, E., and Klein.)
- Klein, Wilhelm, Oschersleben, and G. Moering, Kottschendorf, Germany. Multiple expansion engine. 1,979,161; Oct. 30.
- Klein, William C., Allentown, Pa. Cushion car wheel. 1,956,195; Apr. 24.
- Klein, William H., Chattanooga, Tenn. Bin and removing material therefrom. 1,954,703; Apr. 10.
- Kleine, Rudolph L. (See Clement, M. W., Kleine, and Rowland.)
- Kleinert, Charlotte, Friedrichthal, near Niederbarnim, Germany. Embroidering in several colors with a single needle. 1,976,349; Oct. 9.
- Kleinert, Karl. (See Werner, G., and Kleinert.)
- Kleinboffer, Louis, Joliet, Ill. Combination insulator and pressure relief device for carburetors. 1,947,854; Feb. 20.
- Kleinicke, Werner, Patchogue, assignor to Johnson-Losee Corporation, Long Island City, N. Y. Cuprammonium process for dissolving cellulose. 1,972,098; Sept. 4.
- Kleinman, Jacob L., New York, N. Y. Tennis racket. 1,942,479; Jan. 9.
- Kleinschmidt, Edward E. (See Morton, S., Krum, and Kleinschmidt.)
- Kleinschmidt, Edward E., assignor, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill. System and apparatus for composing machines. 1,970,566; Aug. 21.
- Kleinschmit, Oscar, assignor to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Apparatus for producing wire staples in coherent strips. 1,942,249; Jan. 2.
- Kleinschmit, Oscar, assignor to G. Brehmer, Leipzig-Plagwitz, Germany. Sheet feed mechanism in sheet handling machines. 1,969,931; Aug. 14.
- Kleinschmit, Oscar, assignor to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Wire stitching machine for stitching corrugated cardboard cartons or the like. 1,976,285; Oct. 9.
- Kleinschmit, Oscar, Leipzig-Plagwitz, assignor to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Thread-severing mechanism. 1,983,465; Dec. 4.
- Kleinschmit, Oscar, and O. Müller, assignors to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Pasting mechanism for stitching machines. 1,941,867; Jan. 2.
- Kleinschmit, Oscar, and R. Klemm, assignors to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Mechanism for feeding folded sheets to sheet opening devices in a sheet-handling machine. 1,949,839; Mar. 6.

- Kleinschmit, Oscar, Leipzig-Plagwitz, assignor to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Paper folding machine. 1,961,000; May 29.
- Kleinschmit, Oscar, and O. Müller, assignors to firm Gebrüder Brehmer, Leipzig, Plagwitz, Germany. Mechanism for automatically severing the terminal threads of a stitched book or the like. 1,961,422; June 5.
- Kleinschmit, Oscar, and O. Müller, assignors to G. Brehmer, Leipzig, Plagwitz, Germany. Mechanism for producing looped knots in thread-knotting machines. 1,972,999; Sept. 11.
- Kleinschmit, Oscar, W. Geissler, and K. Müller, assignors to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Mechanism for connecting signatures in a signature-handling machine. 1,974,243; Sept. 18.
- Kleinschmit, Oscar, and K. Kugler, assignors to Gebrüder Brehmer, Leipzig-Plagwitz, Germany. Wire stitching or stapling machine. 1,982,743; Dec. 4.
- Kleist, Herman W., assignor to Dole Refrigerating and Machine Company, Chicago, Ill. Refrigerating apparatus. 1,946,496; Feb. 13.
- Kleit, William, Albany, N. Y. Wall structure. 1,951,421; Mar. 20.
- Kleit, William, Albany, N. Y. Molding apparatus for hollow concrete structures. 1,958,049; May 8.
- Klemgard, Edwin N., Martinez, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Preparing lubricating greases. 1,975,582; Oct. 2.
- Klemgard, Edwin N., Martinez, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Lubricating grease. 1,979,943; Nov. 6.
- Klemm, Ernst. (See Callsen, A., and Klemm.)
- Klemm, Rudolf. (See Kleinschmit, O., and Klemm.)
- Klemm, Rudolf, and W. Geissler, assignors to G. Brehmer, Leipzig-Plagwitz, Germany. Method of and mechanism for automatically opening closed book signatures and the like. 1,973,632; Sept. 11.
- Klemm, Willy, Schleiz, in Thuringia, assignor to E. Jaeger, Neustadt, (Orla) Germany. Weft mechanism for positive motion looms. 1,957,024; May 1.
- Klemme, Charles. (See Awa, W. O., and Klemme.)
- Klemme, Maurice G., assignor to Eagle Foundry Company, Belleville, Ill. Cooking stove. 1,948,118; Feb. 20.
- Klemme, Maurice G., assignor to Eagle Foundry Company, Belleville, Ill. Circulating heating stove. 1,957,544; May 8.
- Klemme, Maurice G., assignor to Eagle Foundry Company, Belleville, Ill. Cooking stove. 1,969,564; Aug. 7.
- Klemme, Maurice G., assignor to Eagle Foundry Company, Belleville, Ill. Cooking stove. 1,969,565; Aug. 7.
- Klemperer, Edith, Vienna, Austria. Anatomical model. 1,951,422; Mar. 20.
- Klempt, Walter. (See Gluud, W., Brodkorb, and Klempt.)
- Klempt, Walter. (See Gluud, W., and Klempt.)
- Klempt, Walter, and F. Brodkorb, assignors to Gesellschaft für Kohlenteknik m. b. H., Dortmund-Eving, Germany. Process for the manufacture of fertilizer. 1,969,650; Aug. 7.
- Klencke, Hans, Frankfurt-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Rotary tube furnace for desulphurizing ores in a fine or dust like condition. 1,977,767; Oct. 23.
- Klencke, Hans, Frankfurt-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Process of and apparatus for roasting and sintering pulverulent sulphuriferous ores. 1,984,747; Dec. 18.
- Kletetschka, Leo, Libice, Czechoslovakia. Fuel-feed device. 1,965,498; July 3.
- Kleven, Severin G., Sisseton, S. Dak. Runway support for wheelbarrows. 1,965,346; July 3.
- Klick, Maurice P., Los Angeles, Calif. Curbing armor. 1,961,227; June 5.
- Klie, Frank H., Chicago, Ill. Bird house. Des. 91,949; Apr. 10.
- Kliefoth, Max H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Sound absorbing construction. 1,959,057; May 15.
- Kliefoth, Max H., Madison, Wis., assignor to C. F. Burgess Laboratories, Inc. Acoustic tile and manufacturing the same. 1,966,069; July 10.
- Kliefoth, Max H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Gaseous pressure wave absorbing construction. 1,968,456; July 31.
- Kliefoth, Max H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Acoustic tile. 1,976,946; Oct. 16.
- Kliel Bros. Universal Electric Stage Lighting Co., Inc. (See Engelken, R. C., and Kliel, assignors.)
- Kliel, Herbert A. (See Engelken, R. C., and Kliel.)
- Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
- Kliesrath, Victor W., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 1,982,815; Dec. 4.
- Kliesrath, Victor W., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake mechanism. 1,982,816; Dec. 4.
- Klimsa, John A., Hamtramck, Mich. Imitation brick siding assembly. 1,959,133; May 15.
- Klinckmann, Arthur, Lombard, assignor to General Electric X-Ray Corporation, Chicago, Ill. Metal coupling to join different glasses. 1,964,952; July 3.
- Kline, Edward C., Streator, Ill. Transmission. 1,965,381; July 3.
- Kline, Edward M., et al. (See Weis, William, assignor.)
- Kline, Emil, Buffalo, assignor to du Pont Rayon Company, New York, N. Y. Spinning solution. 1,956,034; Apr. 24.
- Kline, Harry J., Chicago, Ill. Radio wave band selector. 1,955,639; Apr. 17.
- Kline, Joseph E., Alpena, Mich. Oil cooler. 1,983,466; Dec. 4.
- Kline, Richard E., Los Angeles, Calif., assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Brake for winding drums. 1,968,210; July 31.
- Kline, Seth Q., Washington, D. C. Printing press. 1,972,020; Aug. 28.
- Kline, Walter T., Verona, Wis. Automatic rope lock. 1,956,903; May 1.
- Kline, William, Waynesboro, Va. Ink feeder for printing presses, etc. 1,965,596; July 10.
- Klinedinst, Harry E., Glen Rock, Pa. Paste tube. 1,965,290; July 3.
- Kling, August J. (See Metcalf, G. F., and Kling.)
- Klingberg, Robert A., Waterloo, Iowa. Electrical plug connection. 1,964,471; June 26.
- Klingel, Edward L., St. Paul, Minn. Wire support. 1,954,592; Apr. 10.
- Klingenberg Sohne, W. Ferd. (See Schicht, Heinrich, assignor.)
- Klingenberg, W. Ferd., Söhne. (See Jackowski, Hermann, assignor.)
- Klingenberg, W. Ferd., Söhne. (See Schicht, Heinrich, assignor.)
- Klingenberg, Hugo. (See Wappes, H., and Klingenberg.)
- Klingenfuss, Max, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of dihydro-resorcinol. 1,965,499; July 3.
- Klingensmith, Aaron E. (See Wynne, T. N., and Klingensmith.)
- Klinger, Friedrich, Hamburg, Germany. Continuous production of envelopes, etc. 1,944,794; Jan. 23.
- Klinger, Friedrich, Hamburg, Germany. Receptacle and producing the same. 1,958,005; May 8.
- Klingler, Ira C., Elkhart, Ind. Rake cleaner. 1,958,757; May 15.
- Klingler, Rayfield G., Shelby, Mont. Auxiliary ignition system. 1,948,925; Feb. 27.
- Klingsick, Oswald W., Richmond Heights, Mo. Lighting fixture. 1,961,934; June 5.
- Klinka, Frank J., Milwaukee, Wis. Collapsible crate. 1,942,713; Jan. 9.
- Klinkenstein, Gustave, Newark, N. J. Finish remover composition. 1,974,744; Sept. 25.
- Klinkenstein, Gustave, Maplewood, assignor to Maas & Waldstein Co., Newark, N. J. Calking compound. 1,974,745; Sept. 25.
- Klinkhamer, Hendrik A. W. (See Dorgelo, E. G., Klinkhamer, and Bol.)
- Klinzmann, Bernhard F., Waterbury, Conn. Curtain and shade fixture. 1,978,111; Oct. 23.
- Klippel, George H., Syracuse, N. Y. Draft attachment for furnaces and the like. 1,944,984; Jan. 30.
- Klippel, George H., Syracuse, N. Y. Preventing rapid formation of frost on refrigerating conduits. 1,964,822; July 3.
- Klippel, Howard B., Akron, assignor, by mesne assignments, to The Richardson Company, Lockland, Ohio. Machine for extruding plastic materials. 1,977,515; Oct. 16.
- Klipstein Chemical Processes, Inc. (See Jacobson, Bernard H., assignor.)
- Klobouchnik, Frank, Chicago, Ill. Window seat. 1,945,113; Jan. 30.
- Klock, Franklin G., East Orange, N. J. Grounder for gasoline dispensing nozzles. 1,975,550; Oct. 2.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Method of and apparatus for the manufacture of bearings. 1,964,584; June 26.
- Kloekner-Werke A.-G. (See Kippe, Otto, assignor.)
- Kloeb, Boniface R. and R., Portsmouth, Ohio. Toy. 1,947,343; Feb. 13.
- Kloeb, Charles G., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Container and closure therefor. 1,973,924; Sept. 18.
- Kloeb, Ruby. (See Kloeb, Boniface R. and R.)
- Kloister Laboratories Corporation. (See Treston, Clarence J., assignor.)
- Klomparens, Jacob, Holland, Mich. Display receptacle. 1,983,176; Dec. 4.
- Klopfenstein, Robert S., Wichita, Kans. Oven. 1,969,614; Aug. 7.
- Klopsch, Paul, Clifton, assignor to Forstmann Woolen Co., Passaic, N. J. Textile fabric. Des. 93,482; Oct. 2.
- Klopsteg, Paul E., Evanston, Ill. Bow sighting device. 1,961,517; June 5.
- Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Balance. 1,949,721; Mar. 6.
- Klos, Adam, Baltimore, Md. Sole and heel trimming attachment. 1,950,055; Mar. 6.
- Klose, Josef. (See Schranz, H., and Klose.)
- Klose, Walter K., assignor of one half to John M. Alexander, Lincoln, Nebr. Shaded pole electric coin selector. 1,953,414; Apr. 3.
- Klosterman, Harry W. (See Bale, Charles W., assignor.)
- Klotz, Ernst, and E. Zepler, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Power supply. 1,965,655; July 10.
- Klotz, Francois V., assignor to Pinaud, Incorporated, New York, N. Y. Bottle. Des. 93,483; Oct. 2.

- Klotz, Josef, Heidenheim, Wuerttemberg, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Centrifugal separator. 1,953,237; Apr. 3.
- Klotz, Otto H., Philadelphia, Pa. Air conditioner and compressor. 1,956,390; Apr. 24.
- Kluever, James A., et al. (See Johnson, Louis V., assignor.)
- Kluge, Abel and E., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Throw-off mechanism for printing presses. 1,959,209; May 15.
- Kluge, Abel and E., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Inking mechanism for printing presses. 1,980,968; Nov. 13.
- Kluge, Abel and E., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Inking printing forms. 1,980,969; Nov. 13.
- Kluge, Carl G., Racine, Wis. Electrically-operated vibrator. 1,965,382; July 3.
- Kluge, Eneval. (See Kluge, Abel and E.)
- Kluge, Frederick, Elizabeth, N. J. Discharge valve. 1,945,941; Feb. 6.
- Kluge, Fritz W., assignor to Fritz Bicknase, Berlin, Germany. Telephone call system. 1,965,146; July 3.
- Kluge, Hans W. J. K., Karlsruhe, and H. S. W. Böllinger, Frankenthal, Germany. Hydrodynamic power transmission device. 1,970,236; Aug. 14.
- Kluge, Kurt, and W. Berthold, Berlin, Germany, assignors to Edward Katzinger, Chicago, Ill. Perpetual date indicator. Re19,186; May 29.
- Klüglein, Theobald, Woodside, N. Y. Adjustable device for curtains and draperies. 1,983,467; Dec. 4.
- Klusch, Martin, Canton, Ohio. Closure for liquid containers. 1,942,714; Jan. 9.
- Klüssendorf, Heinrich, Brieselang, Osthavelland, Germany. Postal franking machine. 1,961,107; May 29.
- Klute, Samuel, assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind. Cook stove. Des. 92,540; June 19.
- Kluter, Marlowe H. (See Koss, L. F., jr., and Kluter.)
- Klüx, Alexander H., assignor to Universelle Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for the uniform distribution of tobacco in the spreader of a cigarette-making machine. 1,979,624; Nov. 6.
- Kment, Rudolf, Rochester, N. Y. Lens grinding machine. 1,981,733; Nov. 20.
- Kmet, John J., Strabane, Pa. Screw driver. 1,969,615; Aug. 7.
- Knab, Max, New York, N. Y., assignor to Sprague Specialties Company, Quincy, Mass. Process and apparatus for making corrugated tubes. 1,983,468; Dec. 4.
- Knab, Max, New York, N. Y., assignor to Sprague Specialties Co., North Adams, Mass. Corrugated tube. 1,983,469; Dec. 4.
- Knabusch, Edward M., and E. J. Shoemaker, Monroe, Mich. Adjustable chair. 1,952,376; Mar. 27.
- Knabusch, Edward M., and E. J. Shoemaker, assignors to Floral City Furniture Company, Monroe, Mich. Vehicle chair. 1,941,901; Jan. 2.
- Knandel, George J. (See Kinkadee, F. S., and Knandel.)
- Knape, Charles N., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resilient driving mechanism. 1,958,894; May 15.
- Knape, Joseph J., assignor to Knape & Vogt Manufacturing Company, Grand Rapids, Mich. Bracket. 1,983,470; Dec. 4.
- Knape & Vogt Manufacturing Company. (See Knape, Joseph J., assignor.)
- Knapp, Amadee J., La Porte, Ind., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Conveyor. 1,977,312; Oct. 16.
- Knapp, Andrew E., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerated display case. 1,979,625; Nov. 6.
- Knapp, Andrew S., assignor to Knapp-Monarch Company, Belleville, Ill. Heating pad. 1,967,674; July 24.
- Knapp, Andrew S., St. Louis, Mo., assignor to Knapp-Monarch Company. Waffle iron. 1,968,404; July 31.
- Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Seat for motor vehicles. 1,957,785; May 8.
- Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Fastening device. 1,960,381; May 29.
- Knapp Brothers Manufacturing Company. (See Knapp, George A., assignor.)
- Knapp Bros. Mfg. Co. (See Thomas, Wingate S., assignor.)
- Knapp, George A., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Wire carrying base. 1,963,662; June 19.
- Knapp, George A., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Combined metal door casing and plaster retaining means. 1,975,657; Oct. 2.
- Knapp, George S., Highland Park, Mich. Golf practice device. 1,969,129; Aug. 7.
- Knapp, Gilman C., Eureka, Calif. Auger bit construction. 1,966,176; July 10.
- Knapp, Harry L., Royal Oak, Mich. Oil pan. 1,961,121; May 29.
- Knapp, Harry W., Los Angeles, Calif. Extensible chair or divan. 1,964,918; July 3.
- Knapp, Jacob, Newark, N. J. Facial patter. 1,973,768; Sept. 18.
- Knapp, John H., assignor to Norge Corporation, Detroit, Mich. Shelf support. 1,961,935; June 5.
- Knapp, Laurence S., and F. E. Barnes, Bozeman, Mont. Shock eliminator. 1,951,483; Mar. 20.
- Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Coaster wagon wheel. Des. 91,887; Apr. 3.
- Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Brooder. 1,941,842; Jan. 2.
- Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Washing machine. 1,946,535; Feb. 13.
- Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Freezing units for household refrigerators. 1,975,232; Oct. 2.
- Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Wheel. 1,980,412; Nov. 13.
- Knapp Manufacturing Corporation. (See Lytle, Harry B., assignor.)
- Knapp-Monarch Company. (See Gundelfinger, William E., assignor.)
- Knapp-Monarch Company. (See Johnson, Ernest S., assignor.)
- Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)
- Knapp-Monarch Company. (See Smith, John E., assignor.)
- Knapp-Monarch Company. (See Starr, Alden B., assignor.)
- Knapp, Ray, Columbus, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Wood heel turning machine gauge. 1,956,301; May 1.
- Knapp, Walter L., St. Paul, assignor, of one-sixth to Frank J. Collins, and one-sixth to R. E. Williamson, Minneapolis, Minn. Tire repair patch. 1,968,606; July 31.
- Knauf, Harry V., jr., Oaklyn, N. J., assignor to Radio Corporation of America. Sound translating device. 1,960,016; May 22.
- Knaus, John. (See Lustick, Ludwig L., assignor.)
- Knaus, Nicholas, Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 1,959,719; May 22.
- Knauth, Elsa, New York, N. Y. Beauty appliance. 1,963,237; June 19.
- Kneale, Robert D. (See Finley, S. E., and Kneale.)
- Kneaskern, Albert, assignor to Beech-Nut Packing Company, Canajoharie, N. J. Gum wrapping machine. 1,955,832; Dec. 25.
- Kneavel, Thomas, Baltimore, Md. Shade bracket. 1,952,808; Mar. 27.
- Knecht, Franz, Gagganau, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Fuel pump. 1,958,948; May 15.
- Knecht, Oskar. (See Kartaschoff, V., and Knecht.)
- Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Combined preventive means for check controlled apparatus. 1,945,318; Jan. 30.
- Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Fraud preventive device for check controlled apparatus. 1,945,319; Jan. 30.
- Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Check testing means for check controlled apparatus. 1,945,320; Jan. 30.
- Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Safety receptacle for checks, coins, and the like. 1,983,089; Dec. 4.
- Knee, Aaron A., and P. B. Eaton, assignors of one-third to S. A. Van Every, Charlotte, N. C. Title card holder. 1,945,321; Jan. 30.
- Kneeshaw, George R., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,985,174; Dec. 18.
- Knefel, Raymond A. (See Knefel, Stanley F. and R. A.)
- Knefel, Stanley F. and R. A., St. Louis, Mo. Boiler return and vacuum trap. 1,944,437; Jan. 23.
- Kneip, Alex., Frankfurt-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Coating, lining, and cementing agent. 1,965,243; July 3.
- Kneip, John B., U. S. Navy. Propeller blade pitch gauge. 1,968,837; Aug. 7.
- Kneis, William M., Anne Arundel County, assignor of one-eighth to L. T. Leaf and one-eighth to A. R. Leaf, Annapolis Junction, and one-tenth to J. P. Robinson and one-tenth to P. H. Flautt, Baltimore, Md. Electric plug. 1,976,024; Oct. 9.
- Knell, John, assignor to All-Steel-Equip Company, Aurora, Ill. Outlet box. 1,976,566; Oct. 9.
- Knell, John, assignor to All-Steel-Equip Company, Aurora, Ill. Outlet box and hanger bar. 1,982,957; Dec. 4.
- Kneller, Harry D., Brookfield, Ill. Selfwatering flower vessel. 1,977,827; Oct. 23.
- Knepfer, Bonnie, Dewitt, Iowa. Brooder. 1,958,343; May 8.
- Knettles, Walter L., Groton, N. Y. Fly book. 1,979,475; Nov. 6.
- Kneuer, Edward J., Newark, N. J. Tailboard mounting for trucks and the like. 1,960,539; May 29.
- Knibbs, Norman V. S., Longfield, England. Cementitious material of the high alumina type. 1,966,864; July 17.
- Knick, Earnest O., Iowa City, Iowa. Farm implement. 1,974,027; Sept. 18.
- Knickerbocker, Arthur K. (See Butler, E., Knickerbocker, and Hocking.)
- Kniepen, Peter, Berlin-Finkenkrug, assignor to Allgemeine Elektrizität Gesellschaft, Berlin, Germany. Electron discharge tube and making same. 1,958,967; May 15.

- Kniesche, Harry F., assignor of nine-sixteenths to W. H. Orem, Baltimore, Md. Machine for applying pressure and heat to bottle cap flanges. 1,965,550; July 3.
- Kneszner, William T., New York, N. Y., assignor to Products Protection Corporation. System and apparatus for power factor correction. 1,951,733; Mar. 20.
- Knight, Alfred W. (See Weir, J. W., and Montgomery, assignors.)
- Knight, Alfred W., San Marino, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitator. 1,981,455; Nov. 20.
- Knight, Arthur H., Ashton-on-Mersey, England, assignor to Imperial Chemical Industries Limited. Azo dyes and their preparation. 1,975,233; Oct. 2.
- Knight, Arthur H., Ashton-on-Mersey, England, assignor to Imperial Chemical Industries Limited. Azo dye and method for its preparation. 1,975,609; Oct. 2.
- Knight, Arthur R., Baltimore, Md. Repairing and strengthening metal bridges of the truss type and like structures. 1,962,820; June 12.
- Knight, Cecil G., assignor of one-third to A. C. Taggart and one-third to A. Laif, San Francisco, Calif. Garment. 1,953,241; Apr. 17.
- Knight, Charles, and A. M. Wilson, Denver, Colo. Treating vanadium ores. 1,945,611; Feb. 6.
- Knight, Charles K., Upper Darby, Pa. Windshield cleaner. 1,980,590; Nov. 13.
- Knight, Chesterton S., assignor to Geo. Knight & Co. Inc., Brockton, Mass. Perforating die. 1,942,145; Jan. 2.
- Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,950,147; Mar. 6.
- Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Control of fluid circulation. 1,950,148; Mar. 6.
- Knight, Donald B., assignor to Refrigeration Research Corporation, Brooklyn, N. Y. Apparatus for lifting liquid. 1,954,137; Apr. 10.
- Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Absorption refrigerating apparatus. 1,955,298; Apr. 17.
- Knight, Eugene U., Chicago, Ill., assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Display device. 1,954,322; Apr. 10.
- Knight, Geo., & Co. Inc. (See Knight, Chesterton S., assignor.)
- Knight, George W., assignor of one-third to H. W. White and one-third to N. Brazy, Milwaukee, Wis. Automatic cut-off device for gas burners. 1,960,973; May 29.
- Knight, George W., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Overload circuit breaker. 1,978,713; Oct. 30.
- Knight, Herbert M., Upper Montclair, N. J. Wall. 1,974,427; Sept. 25.
- Knight, Herbert M., Upper Montclair, N. J. Building. 1,975,156; Oct. 2.
- Knight, Herbert M., Upper Montclair, N. J. Vessel. 1,980,998; Nov. 20.
- Knight, Hugh, Upland, Calif., assignor to Emulsoids, Inc., New York, N. Y. Insecticide. 1,949,722; Mar. 6.
- Knight, Hugh, Claremont, Calif., assignor to Standard Oil Company, Chicago, Ill. Insecticidal oil spray. 1,949,799; Mar. 6.
- Knight, Hugh, Claremont, Calif., L. C. Swallen, and W. J. Bannister, Terre Haute, Ind., assignors to Emulsoids, Inc., New York, N. Y. Insecticidal compositions and producing same. 1,949,798; Mar. 6.
- Knight, Ira W., assignor to General Fire Extinguisher Company, Providence, R. I. Unit heater. 1,961,612; June 5.
- Knight, Julian G., Brooklyn, N. Y. Outlet box mounting. 1,954,481; Apr. 10.
- Knight, Julian G., Brooklyn, N. Y. Outlet box support. 1,983,670; Dec. 11.
- Knight, Nelson M., Brookline, Mass. Paper pulp screening machine. 1,959,210; May 15.
- Knight, William H., jr., assignor to The Cleveland Gas Meter Company, Cleveland, Ohio. Stop for gas meter tangent arms. 1,956,035; Apr. 24.
- Knipe, Arthur C., Westminster, assignor to Modern Concrete Development Company Limited, London, England. Manufacture of concrete and apparatus for use therewith. 1,968,691; July 31.
- Knipe, John W., Hamilton, Ontario, Canada, assignor to Adirondack Steel Foundries Corporation, Watervliet, N. Y. Car truck bolster lock. 1,978,637; Oct. 30.
- Knit-tainer Company. (See Hartmann, Reina K. G., assignor.)
- Knittel, Paul S., Jersey City, N. J. Crushing and grinding machine. 1,946,701; Feb. 13.
- Knobel, Fred, Odessa, Nebr. Ditcher. 1,956,445; Apr. 24.
- Knobel, Max, Arlington, Mass. Recording device. 1,962,311; June 12.
- Knobel, Max, Arlington, assignor to Barss, Knobel & Young, Inc., Cambridge, Mass. Synchronous motor driven clock. 1,961,768; June 5.
- Knobel, Max, Arlington, assignor to Barss, Knobel & Young, Inc., Cambridge, Mass. Self-starting synchronous motor. 1,977,966; Oct. 23.
- Knoche, Rudolf. (See Delfs, D. and Knoche.)
- Knoertzer, John S., et al. (See French, John P., assignor.)
- Knoll, Floyd A., assignor to Condor Products, Inc., Buffalo, N. Y. Garter. Des. 93.170; Aug. 28.
- Knoll, Floyd A., assignor to Condor Products, Inc. Buffalo, N. Y. Clasp loop for garters or the like. Des. 94.087; Dec. 18.
- Knoll, Floyd A., assignor to Condor Products, Inc., Buffalo, N. Y. Securing together fabric materials. 1,970,755; Aug. 21.
- Knoll, Henry W., Minneapolis, Minn. Hair drier. 1,982,255; Nov. 27.
- Knoll, Robert. (See Bockmühl, M., and Knoll.)
- Knollenberg, Rudolf, Lubbeck, Germany. Apparatus for applying liquid fats, fat emulsions, and the like to a rotating drum. 1,983,982; Dec. 11.
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. Re19,067; Jan. 30.
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 1,953,487; Apr. 3.
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,962,312; June 12.
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction control switch for signaling systems. 1,965,347; July 3.
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission of intelligence over wires. 1,968,457; July 31.
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortionless amplifier. 1,978,208; Oct. 23.
- Knopf, Bernard, Bennett, Nebr. Combined egg candler and dater. 1,950,409; Mar. 13.
- Knopf, Gumal, Berlin-Wilmersdorf, Germany, assignor to Centrifugal Engineering and Patents Corporation, Jersey City, N. J. Centrifugal separator. 1,964,992; July 3.
- Knopf, Otto A., Oakland, Calif. Gas valve control system. 1,977,854; Oct. 23.
- Knopf, Otto A., Oakland, Calif. Electric heater. 1,979,471; Nov. 6.
- Knopf, Rudolph, Brooklyn, assignor to United Electric Clock Corporation, Kings County, N. Y. Electric clock. 1,955,588; Apr. 17.
- Knor-Bremse Aktiengesellschaft. (See Jander, Hans, assignor.)
- Knor-Bremse Aktiengesellschaft. (See Peters, Hans, assignor.)
- Knoss, Albert F. (See Manley, R. E., and Knoss.)
- Knott, Ernest W. (See Wynne, C. H. L., Knott, and Miller.)
- Knott, Eustace R., Sharon, Mass. Slicing machine. 1,965,500; July 3.
- Knott, Eustace R., Sharon, Mass. Criss-cross slicing machine. 1,965,501; July 3.
- Knott, William M., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo-electric oscillator. 1,984,533; Dec. 18.
- Knotz, Alois, Graz, Austria. Indicating device. 1,960,636; May 29.
- Knotz, Alois, Graz, Austria. Circuit closer for adding machine. 1,975,694; Oct. 2.
- Knower, Charles L. (See Gruman, H. F., and Knower.)
- Knowland, Richard G., Longmeadow, Mass., and W. B. Cooper, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Machine for finishing the pile surface of carpets and rugs. 1,953,883; Apr. 3.
- Knowland, Richard G., and E. W. Stone, Longmeadow, Mass., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Weaving mechanism. 1,970,524; Aug. 14.
- Knowland, Richard G., Longmeadow, Mass., and W. B. Cooper, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Machine for finishing carpets and rugs. 1,974,400; Sept. 18.
- Knowland, Richard G., Longmeadow, Mass., and W. B. Cooper, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Finishing pile carpet or rug. 1,975,466; Oct. 2.
- Knowland, Thomas M. (See Gierer, J. M., and Knowland.)
- Knowland, Thomas M. (See Glidden, A. A., and Knowland.)
- Knowland, Thomas M., Watertown, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Hose nipple connection. 1,970,513; Aug. 14.
- Knowland, Thomas M., Watertown, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Making sponge rubber coated fabric. 1,973,904; Sept. 18.
- Knowles, Albert, San Francisco, Calif., assignor to Transit Mixers Inc. Concrete mixing apparatus. 1,943,325; Jan. 16.
- Knowles, Dewey D. (See Fahnoe, H. F. H., Glenn, and Knowles.)
- Knowles, Dewey D., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Street lighting system. Re19,199; June 5.
- Knowles, Dewey D., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Converter. 1,947,093; Feb. 13.
- Knowles, Dewey D., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Television receiving lamp. 1,948,720; Feb. 27.

- Knowles, Dewey D., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photoglow tube. 1,955,335; Apr. 17.
- Knowles, Dewey D., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric discharge device. 1,963,168; June 19.
- Knowles, Dewey D., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,973,286; Sept. 11.
- Knowles, Dewey D., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stroboscopic testing apparatus. 1,979,692; Nov. 6.
- Knowles, Edward F. (See Lundy, B. A., and Knowles.)
- Knowles, Edwin B., and J. J. Parnell, Albany, Ga. Nut shaving device. 1,955,640; Apr. 17.
- Knowles, Francis, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of isoviolanthrone. 1,954,482; Apr. 10.
- Knowles, George, Ottawa, Ontario, Canada. Fiber combing machine. 1,935,536; Apr. 3.
- Knowles, George F. (See Hastings, D. T., and Knowles.)
- Knowles, Harry H. (See Lemmon, G. N., and Knowles.)
- Knowles, Harry H., Birmingham, and G. N. Lemmon, Homewood, Ala. Electric switch. 1,955,132; Apr. 17.
- Knowles, Harry H., Birmingham, and G. N. Lemmon, Homewood, Ala. Electric switch. 1,978,365; Oct. 23.
- Knowlton, Arthur S., Cuyahoga Falls, assignor to The General Tire & Rubber Company, Akron, Ohio. Inner tube and manufacture. 1,977,281; Oct. 16.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Apparatus for separating articles. 1,943,444; Jan. 16.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Machine for operating upon box-blanks. 1,952,172; Mar. 27.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Stacking apparatus. 1,961,366; June 5.
- Knowlton, Cutler D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Breast grooving and lip forming machine for heels. 1,963,203; June 19.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Cutting mechanism. 1,963,369; June 19.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Apparatus for separating articles. 1,964,823; July 3.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Blank-making. 1,969,849; Aug. 14.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Coil support. 1,972,194; Sept. 4.
- Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Box making machine. 1,983,547; Dec. 11.
- Knowlton, Donald R. (See Crites, W. J., and Knowlton.)
- Knowlton, Harry M., Chicago, Ill., assignor by mesne assignments, to Signode Steel Strapping Company. Shipping crate. 1,982,437; Nov. 27.
- Knowlton, M. D., Company. (See Hawkins, Edgar M., assignor.)
- Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 1,982,744; Dec. 4.
- Knowlton, Ralph W. (See Emery, G. G., Knowlton, and Bennett.)
- Knox, Alonzo R., St. Paul, Minn., assignor to Gordon & Ferguson Company. Cap. 1,964,919; July 3.
- Knox Company, The. (See Johnson, Linn D., assignor.)
- Knox, George A., Ederney, Northern Ireland. Furniture fitted with drawers. 1,959,761; May 22.
- Knox, Granville S., Los Angeles, Calif. Fluid operated pump. 1,977,727; Oct. 23.
- Knox, Harry A., Davenport, Iowa. Flexible band track. 1,947,474; Feb. 20.
- Knox, Harry A., Davenport, Iowa. Flexible track. 1,956,580; May 1.
- Knox, Harry A., Davenport, Iowa. Fan. 1,961,228; June 5.
- Knox, Harry A., Davenport, Iowa. Track for track-laying vehicles. 1,966,450; July 17.
- Knox, Harry A., Davenport, Iowa. Track for track-laying vehicles. 1,970,568; Aug. 21.
- Knox, Harry A., Davenport, Iowa. Track for track-laying vehicles. 1,971,348; Aug. 28.
- Knox, Harry A., Davenport, Iowa, assignor of forty-one one-hundredths to J. K. Christmas, Easton, Pa. Track-laying vehicle. 1,952,078; Mar. 27.
- Knox, Harry A., Davenport, Iowa, and T. H. Nixon, U. S. Army, Gettysburg, Pa. Suspension for track-laying vehicles. 1,947,475; Feb. 20.
- Knox, Harry A., Davenport, Iowa, and Thomas H. Nixon, U. S. Army, Gettysburg, Pa. Track for track-laying vehicles. 1,949,423; Mar. 6.
- Knox, Harry A., Davenport, Iowa, and T. H. Nixon, U. S. Army, Gettysburg, Pa. Track for track-laying vehicles. 1,955,751; Apr. 24.
- Knox, Harry A., Davenport, Iowa, and T. H. Nixon, Gettysburg, Pa. Suspension for vehicles. 1,964,735; July 3.
- Knox, Harry A., Davenport, Iowa, and C. Hiller, Jr., St. Louis, Mo. Vehicle. 1,968,043; July 31.
- Knox, Harry A., Davenport, Iowa, and C. Hiller, Jr., St. Louis, Mo. Suspension and drive for vehicles. 1,975,794; Oct. 9.
- Knox, Harry A., Davenport, Iowa, and C. Hiller, Jr., St. Louis, Mo. Track for track-laying vehicles. 1,983,548; Dec. 11.
- Knox, Harry A., and B. F. Baker, Davenport, Iowa. Track. 1,975,107; Oct. 2.
- Knox, Harry A., and B. F. Baker, Davenport, Iowa. Track laying vehicle. 1,981,867; Nov. 27.
- Knox, Horace B., Belleville, assignor to Alfred Hofmann & Company, West New York, N. J. Manufacture of lamp stems. 1,977,638; Oct. 23.
- Knox, Maurice D. (See Allen, E. B., and Knox.)
- Knox, R. Baylor. (See Kipper, Herman B., assignor.)
- Knox, William H., Jr., Nashville, Tenn., assignor to Victor Chemical Works, Chicago, Ill. Granular calcium phosphate and producing the same. 1,943,919; Jan. 16.
- Knox, William J., Du Bois, Pa. Game apparatus. 1,953,810; Apr. 3.
- Knoxville Glove Company. (See MacIntire, W. H., and Shuey, assignors.)
- Knudsen, Alex W. (See Maddock, R. H., and Knudsen.)
- Knudsen, Anton M., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electrical condenser. 1,960,944; May 29.
- Knudsen, Carl B., Mamaroneck, assignor to The Cap Coupler Corp., New York, N. Y. Captive cap. 1,942,214; Jan. 2.
- Knudsen, Carl B., Mamaroneck, assignor to The Cap Coupler Corp., New York, N. Y. Captive cap for valve stems. 1,966,506; July 17.
- Knudsen, Sterling M., Page, Nebr. Adjustable seat construction. 1,964,519; June 26.
- Knudsen, Thomas C. (See Dahms, A. A., and Knudsen.) 1,985,832; Dec. 25.
- Knudsen, Thomas C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Sheet metal pulley. 1,976,025; Oct. 9.
- Knudsen, Thorkild R. (See McArdle, J. P., and Knudsen.)
- Knudsen, William, Fremont, Nebr. Power transmission gear for motor vehicles. 1,960,637; May 29.
- Knupp, Jacob C., Augusta, Kans. Connecting sleeve. 1,955,074; Apr. 17.
- Knupp, Leo, Mounds, Ill. Shoe display rack. 1,949,017; Feb. 27.
- Knuth, Edward C., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making composite strips. 1,956,462; Apr. 24.
- Knuth, Eugene W., Land O'Lakes, Wis. Pencil. 1,969,015; Aug. 7.
- Knutsen, Carl E., Hollis, N. Y. Metal pole construction. 1,953,488; Apr. 3.
- Knutsen, Elmer, Bellingham, Wash. Laundry washing machine. 1,969,082; Aug. 7.
- Knutsen, Knut A., Oslo, Norway. Printing device for tabulating machines for perforated cards. 1,971,858; Aug. 28.
- Knutsen, Knut A., Paris, France. Printing device for tabulating machines for perforated cards. 1,971,859; Aug. 28.
- Knutsen, Knut A., and A. E. Vethe, Paris, France. Printing device. 1,971,860; Aug. 28.
- Knutson, Carl L., Maywood, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Conduit-holding device. 1,943,261; Jan. 9.
- Knutson, Carl L., Maywood, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Conduit holding device. 1,943,262; Jan. 9.
- Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Socket device. 1,944,517; Jan. 23.
- Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Snap fastener. 1,974,377; Sept. 18.
- Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Tool for attaching snap fasteners. 1,984,748; Dec. 18.
- Knutson, Knut, deceased, Brooklyn, N. Y.; T. S. Knutson, administratrix. Increasing the rigidity of corrugated sheet material. 1,948,619; Feb. 27.
- Knutson, Trine S., administratrix. (See Knutson, Knut.)
- Kobarynka, John, and F. Tatarchuk, Transcona, Manitoba, Canada. Convertible freight car. 1,975,955; Oct. 9.
- Kobayashi, Teruasa, Fukuyama-Shi, Japan. Net-making machine. 1,975,212; Oct. 2.
- Kobbé, William H., New York, N. Y. Match. 1,949,649; Mar. 6.
- Kobe, Inc. (See Coberly, Clarence J., assignor.)
- Kobe, Inc. (See Coberly, C. J., and Harris, assignors.)
- Kobe, Inc. (See Sinton, J. F., and Anderson, assignors.)
- Kobel, Ernst. (See Gaudenzi, A., and Kobel.)
- Kobel, Ernst, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric current rectifier. 1,949,104; Feb. 27.
- Kobel, Ernst, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rectifier control system. 1,971,720; Aug. 28.
- Kobseff, Joakime, Soisy-Sous, France. Preventing the incrustation of boilers. 1,950,494; Mar. 13.
- Koca, James F., and O. A. Hokanson, Woodstock, Ill. Check writer. 1,943,828; Jan. 16.
- Koch, Adolph. (See Krzikalla, H., Koch, and Scheurer.)
- Koch, Benjamin. (See Katz, M., and Koch.)
- Koch Butchers Supply Company. (See Kraft, C. H., and Gearhart, assignors.)

- Koch, Charles, Casper, Wyo. Mineral separator. 1,951,795; Mar. 20.
- Koch, Clarence W. and F. L., St. Louis, Mo. Fastening means for furniture. 1,945,197; Jan. 30.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to E. L. Koch Holding Corporation, New York, N. Y. Amplifying system. 1,947,049; Feb. 13.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Static keying device for radio transmitting circuits. 1,952,924; Mar. 27.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Radioreceiver. 1,963,238; June 19.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Radio communication system. 1,968,458; July 31.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Thermionic tube. 1,975,610; Oct. 2.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Thermionic device and circuit therefor. 1,980,728; Nov. 13.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Thermionic tube. 1,980,804; Nov. 13.
- Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Electron tube construction. 1,980,805; Nov. 13.
- Koch, Earl L., Holding Corporation. (See Koch, Earl L., assignor.)
- Koch, Edward H., Buffalo, N. Y. Toothbrush holder. Des. 93,025; Aug. 14.
- Koch, Erich, Stuttgart, assignor to Elektronmetall, G. m. b. H., Stuttgart, Cannstatt, Germany. Light metal piston. 1,946,081; Feb. 6.
- Koch, Felix, Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Container. 1,966,012; July 10.
- Koch, Frank, sr., Albion, Nebr. Fruit jar lifter. 1,945,642; Feb. 6.
- Koch, Fred C., L. C. McGee, and T. F. Gallagher, Chicago, Ill., assignors to University of Chicago. Testicular extract and making the same. 1,941,900; Jan. 2.
- Koch, Fred L. (See Koch, Clarence W. and F. L.)
- Koch, Frederick. (See Farber, E., and Koch.)
- Koch, Fritz, Dresden, Germany. (Station selector for radio receivers. 1,972,658; Sept. 4.)
- Koch, Gustav H. (See Candy, A. M., and Koch.)
- Koch, Gustav H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Welding apparatus. 1,948,763; Feb. 27.
- Koch, Gustav H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc-welding apparatus. 1,948,764; Feb. 27.
- Koch, Hedwig, Racine, Wis. Combination velocipede. 1,965,194; July 3.
- Koch, Heinrich. (See Zahn, K., and Koch.)
- Koch, Henry, Jamaica, assignor to Dictograph Products Co., Inc., New York, N. Y. Acoustic device. 1,941,987; Jan. 2.
- Koch, Henry, Jamaica, assignor to International Ticket Scale Corporation, New York, N. Y. Ticket scale. 1,969,466; Aug. 7.
- Koch, Henry, assignor to Dictograph Products Company, Inc., Jamaica, N. Y. Dry battery packet. 1,983,037; Dec. 4.
- Koch, John, Brookline, Mass. Toy. 1,959,536; May 22.
- Koch, Levi O., Soldiers Grove, Wis. Corn-shock snubber and lifter. 1,946,974; Feb. 13.
- Koch, Louis A., Jr., Louisville, Ky. Generator ventilator. Des. 92,723; July 10.
- Koch, Louis A., Jr., Louisville, Ky. Ground terminal. 1,946,862; Feb. 13.
- Koch, Lydia B., New York, N. Y., and A. Bodor, Newark, N. J., assignors to Reinforced Paper Bottle Corporation, New York, N. Y. Paper bottle and manufacturing the same. 1,962,199; June 12.
- Koch, Lydia B., and J. Buchina, assignors to Reinforced Paper Bottle Corporation, New York, N. Y. Paper bottle or container. 1,969,889; Aug. 14.
- Koch, Melvin B. (See Graybill, H. R., Koch, and McCreary.)
- Koch, Roderic M., Evansville, Ind. Basket. Des. 91,271; Jan. 2.
- Koch, Roderick M., Evansville, Ind. Metal flower basket. Des. 92,254; May 15.
- Koch, Roderic M., Evansville, Ind. Basket. Des. 92,614; June 26.
- Koch, Roderick M., Evansville, Ind. Metal flower basket. Des. 94,033; Dec. 11.
- Koch & Sterzel, A. G. (See Nölke, Otto, assignor.)
- Koch & Sterzel Aktiengesellschaft. (See Bahrmann, Karl, assignor.)
- Koch & Sterzel Aktiengesellschaft. (See Fischer, Franz J., assignor.)
- Koch, Theodoor, Arnhem, Netherlands, assignor, by mesne assignments, to American Enka Corporation, Wilmington, Del. Making artificial silk and product thereof. 1,951,094; Mar. 13.
- Koch, Theodoor, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Dressing artificial silk. 1,984,139; Dec. 11.
- Koch, Victor A. C. (See Junk, Carl, assignor.)
- Koch, Werner. (See Glaser, A., and Koch.)
- Koch, Wilhelm. (See Schnitzspahn, K., and Koch.)
- Koch, William, assignor to Hercules Powder Company, Wilmington, Del. Coating composition. 1,950,894; Mar. 13.
- Koch, William, assignor to Hercules Powder Company, Wilmington, Del. Coating composition. 1,957,786; May 8.
- Koch, William J., Midland Park, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Quetch. 1,942,605; Jan. 9.
- Kochendarfer, Sirius E., Altoona, Pa. Time piece movement. 1,981,110; Nov. 20.
- Kochendoerfer, Gerd. (See Kunz, M. A., Kochendoerfer, and Koeberle.)
- Kochendoerfer, Gerd. (See Kunz, M. A., Koeberle, and Kochendoerfer.)
- Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Fluid conduit terminal. 1,943,326; Jan. 16.
- Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Lubrication. 1,968,044; July 31.
- Kocher, Neil S., assignor to Eastman Kodak Company, Rochester, N. Y. Protective coating. 1,958,706; May 15.
- Kocher, Neil S., assignor to Eastman Kodak Company, Rochester, N. Y. Protective covering including tricresyl phosphate. 1,958,707; May 15.
- Kocher, Neil S., assignor to Eastman Kodak Company, Rochester, N. Y. Protective covering including a dialkyl ester of phthalic acid. 1,958,708; May 15.
- Kocher, Neil S., assignor to Eastman Kodak Company, Rochester, N. Y. Lacquer. 1,973,488; Sept. 11.
- Kocher, Neil S., assignor to Eastman Kodak Company, Rochester, N. Y. Composition of matter containing cellulose acetate and a treated natural resin or gum. 1,973,489; Sept. 11.
- Köchling, Paul F. A., Kiel, assignor to H. Gottschalk and W. Steinkopf, Hamburg, Germany. Fluid change gear. 1,960,705; May 29.
- Kochs, Herbert W., Chicago, Ill., assignor to Victor Chemical Works. Cleaning metal surfaces. 1,962,821; June 12.
- Kochs, Theo. A., Company. (See Schwarzkopf, Arthur R., assignor.)
- Kochs, Theo. A., Company. (See Schwarzkopf, A. R., and Bern, assignors.)
- Kock, Earl L., Chicago, Ill., assignor, by mesne assignments, to E. L. Koch Holding Corporation, New York, N. Y. Radio communication system. 1,985,417; Dec. 25.
- Kocour, Emil J., assignor to Sloan Valve Company, Chicago, Ill. Flush valve. 1,985,257; Dec. 25.
- Koczi, Ludwig, Vienna, Austria. Device for tying packages. 1,959,720; May 22.
- Koda, Ishizo. (See Mikamo, Y., and Koda.)
- Koe, Emil E., Berwyn, Ill. Form measuring device. 1,976,174; Oct. 9.
- Koeberle, Karl. (See Kunz, M. A., Kochendoerfer, and Koeberle.)
- Koeberle, Karl. (See Kunz, M. A., and Koeberle, assignors.)
- Koeberle, Karl. (See Kunz, M. A., Kränzlein, Koeberle, Corell, Berthold, and Vollmann.)
- Koeberle, Karl. (See Kunz, M. A., Koeberle, and Berthold.)
- Koeberle, Karl. (See Kunz, M. A., Koeberle, and Kochendoerfer.)
- Koeberle, Karl, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of amino - acylamino - anthraquinones. 1,966,125; July 10.
- Koeberle, Karl, and J. Mueller, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing acetate silk. 1,947,855; Feb. 20.
- Koebner, Max., assignor to F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Production of press-molding masses by condensation of phenols with formaldehyde or substances that yield formaldehyde. 1,981,514; Nov. 20.
- Koehler Manufacturing Company. (See MacDonnell, George A., assignor.)
- Koehler Manufacturing Company. (See Wheat, Grant, assignor.)
- Koehler, Oscar E., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Threading die and holder. 1,945,906; Feb. 6.
- Koehler, Oscar E., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Thread grinding machine. 1,958,105; May 8.
- Koehler, Paul A., assignor to J. Frandstetter, Chicago, Ill. Tasseling machine. 1,965,464; July 3.
- Koehler, William, Cleveland, Ohio. Method and apparatus for galvanic deposition of copper and other metals. 1,952,850; Mar. 27.
- Koehring Company. (See Brey, Harold E., assignor.)
- Koehring Company. (See Darrach, Robert J., assignor.)
- Koehring Company. (See Heine, Ferdinand and H. L., assignor.)
- Koehring Company. (See Lichtenberg, Eric H., assignor.)
- Koehring Company. (See Osman, Ralph T., assignor.)
- Koehring Company. (See Schuster, Eduard, assignor.)
- Koehring Company. (See Tranaas, Emil L., assignor.)
- Koehring Company. (See Wittberger, Anton G., assignor.)
- Koella, Ernest, Rockford, Tenn. Feeding laps to pickers. 1,956,446; Apr. 24.
- Koeln, Edmond, et al. (See Kunzelman, John R., assignor.)
- Koeln, George R. (See Duemler, V. E., and Koeln.)

- Koenders, John W., assignor to The Dow Chemical Company, Midland, Mich. Friable caustic soda and producing same. 1,946,863; Feb. 13.
- Koenekamp, Hans F., Venice, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite motion pictures. 1,980,806; Nov. 13.
- Koenemann, Ernst, Halensee, near Berlin, Germany, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany. Simultaneous generation of coldness and steam under pressure. 1,982,672; Dec. 4.
- Koenemann, Ernst, Berlin-Halensee, assignor to Gesellschaft für Drucktransformatoren (Koenemann-Transformatoren) G. m. b. H., Berlin, Germany. Transforming heat energy. 1,982,745; Dec. 4.
- Koenig, August. (See Jennings, C. S., and Koenig.)
- Koenig, Elmer E., Garfield Heights, assignor to The Mills Company, Cleveland, Ohio. Interchangeable partition. 1,965,597; July 10.
- Koenig, Elmer E., Garfield Heights, assignor to The Mills Company, Cleveland, Ohio. Interchangeable partition. 1,965,598; July 10.
- Koenig, Elmer E., Garfield Heights, and G. M. Mills, Cleveland Heights, assignors to The Mills Company, Cleveland, Ohio. Sectional partition construction. 1,965,599; July 10.
- Koenig, Elmer E., Garfield Heights, and E. N. Winslow, Shaker Heights, assignors to The Mills Company, Cleveland, Ohio. Adjustable partition. 1,965,600; July 10.
- Koenig, Joseph P., Kalamazoo, Mich. Pipe pushing tool. 1,984,834; Dec. 18.
- Koenigkramer, Frank and F., Cincinnati, Ohio. Instrument stand. Des. 94,149; Dec. 25.
- Koenigkramer, Frank and F., Cincinnati, Ohio. Hand grip for barber and beautician chairs. 1,954,387; Apr. 10.
- Koenigkramer, Frank and F., Cincinnati, Ohio. Tractional hospital litter or carriage. 1,981,271; Nov. 20.
- Koenigkramer, Frederick. (See Koenigkramer, Frank and F.)
- Koenigsberg, Sanford Z. (See Lesavoy, I. L., and Koenigsberg.)
- Koepping, Emil D. (See Cramer, S. S., and Koepping.)
- Koepping, Emil D., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Applying a trimming condenser to a main condenser. 1,951,661; Mar. 20.
- Koerding, Paul. (See Ulrich, H., and Koerding.)
- Koerner, Albert B., Camden, N. J. Apparatus for suspending insulating walls and ceilings. 1,974,819; Sept. 25.
- Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Stretch comparator. 1,960,675; May 29.
- Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Belt fastener. 1,968,893; Aug. 7.
- Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Sealing element for fluid-pressure containers. 1,985,733; Dec. 25.
- Koestlin, Herman F., Detroit, Mich., deceased, O. H. Foster, jr., and T. J. Richter, administrators. Grinding machine. 1,946,864; Feb. 13.
- Koestner, Thomas F., and G. M. Waldhiser, Chicago, Ill. Liquid fuel handling apparatus. 1,971,787; Aug. 28.
- Koetz, Johannes L., assignor to The Selden Company, Pittsburgh, Pa. Preparing catalysts. 1,941,557; Jan. 2.
- Koffler, John J. (See Stern, B. A., and Koffler.)
- Kofsky, Samuel. (See Thebaud, John E., assignor.)
- Kogan, Belle, New York, N. Y., assignor to Warren Telechron Company. Clock case. Des. 93,114; Aug. 21.
- Kogan, Belle, New York, N. Y., assignor to Warren Telechron Company. Clock case. Des. 93,228; Sept. 4.
- Kogan, Belle, New York, N. Y., assignor to Warren Telechron Company. Clock case. Des. 93,662; Oct. 23.
- Kogan, Belle, New York, N. Y., assignor to Warren Telechron Company. Clock case. Des. 93,663; Oct. 23.
- Koger, Ossie J., Kansas City, Mo. Yarn or thread holder. Des. 91,433; Jan. 30.
- Kögl, Hans, assignor to the firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Saxony, Germany. Drenching hides. 1,985,661; Dec. 25.
- Koh-I-Noor-Bleistiftfabrik L. & C. Hardtmuth. (See Kaufhold, Robert, assignor.)
- Kohirogawa, Haruichi, New York, N. Y. Game apparatus. 1,960,113; May 22.
- Kohl, Everard F., Cleveland, Ohio. Clutch. 1,972,741; Sept. 4.
- Kohl, Hans, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Making tools. 1,984,835; Dec. 18.
- Kohl, Hans, and Paul Scholz, Berlin-Siemensstadt, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Berlin, Germany. Spark plug for internal combustion engines. 1,965,977; July 10.
- Kohlbacher, Henry. (See Bauer, Charles W., assignor.)
- Kohlbacher, Henry. (See Bauer, C. W., and Kohlbacher.)
- Kohlberger, Frank J. (See Masury, A. F., and Kohlberger.)
- Kohler, Arthur G., New York, N. Y. Dishwashing machine. 1,946,536; Feb. 13.
- Kohler, Arthur G., New York, N. Y. Dishwashing machine. 1,955,299; Apr. 17.
- Köhler, August. (See Bauersfeld, W., and Köhler.)
- Kohler, Carl J., and G. P. Gavin, Kohler, Wis. Silencing means for flushing rims. 1,977,797; Oct. 23.
- Kohler, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Golf tee mat. 1,983,671; Dec. 11.
- Kohler & Chase. (See Thomsen, Alfred M., assignor.)
- Kohler, Franklin W. (See Bernard, David G., assignor.)
- Kohler, John F., White Plains, N. Y. Pie-making machine. 1,950,495; Mar. 13.
- Kohler, John H., Aurora, Ill. Match box construction. 1,954,007; Apr. 10.
- Kohler, John H., Evanston, Ill. Match box construction. 1,954,008; Apr. 10.
- Kohler, Michael J., assignor to The National Nut Company, Oakland, Calif. Nut buttering machine. 1,958,409; May 15.
- Köhler, Otto, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Internal combustion engine. 1,968,524; July 31.
- Köhler, Peter, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Absorption type refrigerating apparatus. 1,974,716; Sept. 25.
- Köhler, Peter, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Serial Corporation, New York, N. Y. Absorption refrigerating apparatus. 1,979,482; Nov. 6.
- Köhler, Peter, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Absorber for refrigeration systems. 1,983,295; Dec. 4.
- Köhler, Robert. (See Hoerbig, A., and Köhler.)
- Kohler, William, and E. Marquardt, Newark, assignors of seventeen per cent to J. J. Gallagher, Union, and seventeen per cent to J. C. Reilly, Newark, N. J. Applying lifts to heels. 1,959,721; May 22.
- Kohlihaas, John V., Philadelphia, Pa. Roof and floor construction. 1,985,786; Dec. 25.
- Kohlhagen, Walter, assignor to The Waterbury Clock Company, Waterbury, Conn. Electromagnetic-contact device. 1,965,104; July 3.
- Kohlmann, Clarence E., San Francisco, assignor of one-half to C. W. Griffin, jr., Piedmont, Calif. Baling bit. 1,953,303; Apr. 3.
- Kohlmetz, George W., assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Drill set display. 1,972,742; Sept. 4.
- Kohlndorfer, Anton, Miesbach, Oberbayern, Germany. Automatic fire and burglar alarm. 1,984,140; Dec. 11.
- Kohm, Christian F., Cranston, assignor to Speidel Corporation, Providence, R. I. Chain. Des. 92,406; June 5.
- Kohn, Henry, & Sons, Inc. (See Johnson, Frederick T., assignor.)
- Kohn, Koby, assignor to Chatham Specialty Corporation, New York, N. Y. Pyrotechnic. 1,971,529; Aug. 28.
- Kohn, Koby, New York, N. Y., assignor to J. F. Ballard, Peterboro, N. H. Game of skill. 1,978,137; Oct. 23.
- Kohn, Samuel, New York, N. Y. Display stand. Des. 91,631; Feb. 27.
- Kohn, Samuel, Bronx, N. Y. Electric frankfurter grill. 1,974,715; Sept. 25.
- Kohn, Siegfried, and E. Schub, assignors to Röhm & Haas Company, Inc., Philadelphia, Pa. Production of diphenylol-propane. 1,978,949; Oct. 30.
- Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Pin ticketing machine. 1,971,963; Aug. 28.
- Kohnstamm, H., & Co. Inc. (See Crawford, W. R., and Jonz, assignors.)
- Kohout, George A., Chicago, Ill. Timing control system. 1,950,114; Mar. 6.
- Kohr, Robert F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,961,860; June 5.
- Kohr, Robert F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,957; Nov. 27.
- Kohut, Andrew, Pawtucket, R. I. Combined light and reed hook. 1,969,309; Aug. 7.
- Koldl, Thomas, Hoheneggelsen, near Hildesheim, Germany. Manufacturing hollow building blocks, tiles, and bricks. 1,979,626; Nov. 6.
- Kojola, Hugo V., Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Process and apparatus for filling gas containers. 1,965,126; July 3.
- Koken, Walter F., Webster Groves, Mo. Hair drier. 1,977,313; Oct. 16.
- Koken, Walter F., Webster Groves, Mo. Luminous tube sign or advertising device. 1,977,314; Oct. 16.
- Kokins, Irwin W., Ashland, Mass., assignor to Warren Telechron Company. Clock case. Des. 92,007; Apr. 17.
- Kolarovic, Thomas, Mentor, Ohio. Square. 1,971,267; Aug. 21.
- Kolb, George, Scarsdale, N. Y. Plate or similar article. Des. 92,849; July 24.
- Kolb, George, Scarsdale, N. Y. Adjustable electric light for a bed or the like. 1,953,489; Apr. 3.
- Kold-Hold Manufacturing Company. (See Finch, William G., assignor.)
- Kold-Hold Manufacturing Company. (See Heideman, Frederick J., assignor.)
- Kollath, Francis C., Chicago, assignor of one-half to D. Woodhead, Evanston, Ill. Fused electric connector. 1,970,144; Aug. 14.
- Kollath, Francis C., Chicago, Ill., assignor by mesne assignments to Cutler-Hammer, Inc., Milwaukee, Wis. Electric connector. 1,982,169; Nov. 27.
- Koller, Herman H., and W. G. Dery, Amsterdam, N. Y. Roller shade. 1,976,884; Oct. 16.

- Kollberg, Gustaf L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Oil pump. 1,961,769; June 5.
- Kollek, Leo, and W. Engels, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Impregnated and superficially smoothed articles. 1,942,146; Jan. 2.
- Koller, Joseph L., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Handling material. 1,949,481; Mar. 6.
- Koller, Joseph P. (See Breyer, F. G., and Koller.)
- Koller, Karl, and Z. Gálócsy, Budapest, Hungary. Manufacturing producer gas of high calorific value. 1,964,207; June 26.
- Kollinger, Henry F. (See Gakle, W. F., Goss, and Kollinger.)
- Kollinger, Henry F., assignor to Kuhlman Electric Company, Bay City, Mich. Cover clamp. 1,965,898; July 10.
- Kollman, Jacob, assignor to Edward Katzinger Company, Chicago, Ill. Insulated pan set. 1,974,186; Sept. 18.
- Kollmann, Theodor. (See Eisenmann, K., and Kollmann.)
- Kollmann, Theodor. (See Pungs, W., Eisenmann, Scholz, and Kollmann.)
- Kollman, Paul, New York, N. Y. Altimeter. Re91,079; Feb. 13.
- Kölm, Ulrich. (See Weinlich, H. A., and Kölm.)
- Kölm, Ulrich, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,950,496; Mar. 13.
- Kölm, Ulrich, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Balance printer selecting device. 1,954,054; Apr. 10.
- Kölm, Ulrich, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card sorting device. 1,957,175; May 1.
- Koloc, Bohumil A., assignor to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,951,938; Mar. 20.
- Kolozsy, Louis W., Astoria, N. Y. Synchronous frequency detection system. 1,945,814; Feb. 6.
- Kölisch, Reinhard, Pforzheim, Germany. Machine for universally milling, grinding, and drilling workpieces of all kinds. 1,983,090; Dec. 4.
- Komarek, Gustav, assignor to Berwind Fuel Co. of Delaware, Chicago, Ill. Coking coal. 1,946,628; Feb. 13.
- Komarek, Gustav, assignor to Berwind Fuel Company of Delaware, Chicago, Ill. Apparatus for carbonization and distillation of solid hydrocarbons. 1,982,523; Nov. 27.
- Komarovsky, Katra, Los Angeles, Calif. Spin grip for athletes. Des. 93,115; Aug. 21.
- Komm, Ernst, assignor to firm: Theodor Schlüter sen., Dresden, Germany. Auxiliary baking means. 1,966,013; July 10.
- Komm, Ernst, assignor to the firm Theodor Schlüter sen., Dresden, A., Germany. Baking of bread. 1,974,028; Sept. 18.
- Komorous, Joseph, Riverside, assignor to Parison Novelty Company, Chicago, Ill. Pushpin. 1,980,758; Nov. 13.
- Komusin, Erich, Berlin, assignor, by mesne assignments, to Johannes Paasch, Magdeburg, Germany. Value-stamping machine. 1,984,141; Dec. 11.
- Könemann, Heinrich, Munster, Germany. Reproduction of sound from sound film records. 1,946,404; Feb. 6.
- Könemann, Heinrich, Munster, Germany. Light source. 1,951,939; Mar. 20.
- Konerman, Walter A., Cincinnati, E. S. Rump, and A. L. Farr, assignors to The Miami Systems Corporation, Hamilton, Ohio. Web feeding, tensioning, and form aligning apparatus. 1,971,984; Aug. 28.
- Konetsky, John R., San Francisco, Calif. Fifth wheel. 1,943,734; Jan. 16.
- Kongsted, Ludvig P. (See Cotter, W. F., and Kongsted.)
- Kongsted, Ludvig P., assignor to United American Bosch Corporation, Springfield, Mass. Oil-impregnated armature. 1,950,986; Mar. 13.
- Kongsted, Ludvig P., Longmeadow, assignor to United American Bosch Corporation, Springfield, Mass. Display device. 1,950,987; Mar. 13.
- Konheim, Harvey S. (See Albersheim, W., and Konheim.)
- Konicek, Frank. (See Dixon, E. M., and Konicek.)
- König, Albert, assignor to the firm Carl Zeiss, Jena, Germany. Telescope. 1,952,759; Mar. 27.
- König, Carl, Vohwinkel-Hammerstein, near Elberfeld, Germany. Block signaling system for railways. 1,970,176; Aug. 14.
- König, Hermann T. J., assignor to N. V. Stikstofbindings-industrie ("Nederland"), Dordrecht, Netherlands. Preparation of alkali cyanates. 1,971,009; Aug. 21.
- König, Wilhelm, assignor to Alfred Teves Maschinen- und Armaturenfabrik G. m. b. H., Frankfurt-on-the-Main, Germany. Fluid pump and drive means therefor. 1,978,866; Oct. 30.
- Konigsberg, Joseph, assignor to L. Konigsberg, New York, N. Y. Game apparatus for education and amusement. 1,956,099; Apr. 24.
- Konigsberg, Lena. (See Konigsberg, Joseph, assignor.)
- Konigslow, Otto, Manufacturing Company, The. (See Juengling, Karl F., assignor.)
- Konikov, William. (See Levene, G., and Konikov.)
- Konikov, William M., Boston, Mass. Emergency brake alarm for motor vehicles. 1,952,441; Mar. 27.
- Koning, Allen H., et al. (See Buettner, Henry J., assignor.)
- Koning, John M. H., Hillegersberg, assignor to L. Evers and J. Kars, Rotterdam, Netherlands. Inserting machine. 1,960,382; May 29.
- Konkle, Harry L. (See Biewend, E. C., and W. R. and H. L. Konkle.)
- Konkle, Walter R. (See Biewend, E. C., and W. R. and H. L. Konkle.)
- Konkol, Benedict K., assignor to Jackson Box Company, Black River Falls, Wis. Fruit crate. 1,973,873; Sept. 18.
- Konoff, Alexander, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Rolling eye set for dolls. 1,947,296; Feb. 13.
- Konold, Clyde H. (See Wurzbach, H. E., and Konold.)
- Konopicky, Kamillo. (See Staufer, R., and Konopicky.)
- Konrad, Erich, Leverkusen, and E. Tschunkur, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Rubber like masses from butadiene hydrocarbons and polymerizable nitriles. 1,973,000; Sept. 11.
- Konrad, Mathias, Eureka, Calif. Crush pulverizer. 1,950,851; Mar. 13.
- Konski, Herbert D., New York, N. Y. Garment. 1,949,312; Feb. 27.
- Konter, August P., Cleveland, Ohio. Automatic door operating mechanism. 1,966,762; July 17.
- Kontol Company, The. (See Fischer, C., jr., and Reddish, assignors.)
- Kooistra, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Driving mechanism for spinning frames. 1,973,348; Sept. 11.
- Kooistra, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Drawing mechanism for wool spinning frames. 1,973,534; Sept. 11.
- Koomans, Nicolaas, The Hague, Netherlands, assignor to Radio Corporation of America, New York, N. Y. Directive antenna. 1,964,189; June 26.
- Koomrujan, Harry, New York, N. Y. Sandal. 1,943,829; Jan. 16.
- Koomrujan, Harry, New York, N. Y., assignor to Tupper Slipper Corporation, Brooklyn, N. Y. Sandal. Des. 94,034; Dec. 11.
- Koon, Austin E., Gainesville, Tex. Cotton harvesting machine. 1,971,349; Aug. 28.
- Koon, Edmund H., Indianapolis, Ind. Air conditioning unit. 1,945,553; Feb. 6.
- Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Hoist. 1,944,713; Jan. 23.
- Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Reversing mechanism. 1,983,137; Dec. 4.
- Koons, George I. (See Merritt, M. H., and Koons.)
- Koonz, Frederick W., Barnardston, assignor to Rogers, Lunt & Bowles Co., Greenfield, Mass. Spoon or similar article. Des. 92,173; May 8.
- Koop, Harold V., London, England. Child's chair. 1,967,533; July 24.
- Kooperativa Förbundet Förening U. P. A. (See Högfors, Hans F. B., assignor.)
- Kop, Carl F. (See Baker, P. E., and Kop.)
- Kopay, John, Duquesne, Pa. Automatic brake applying device. 1,972,659; Sept. 4.
- Kopczynski, Theodor. (See Maertens, K., Kopczynski, Reichel, and Weber.)
- Kopellowitsch, Jakob, assignor to Aktiengesellschaft Brown Boveri & Cie. Baden, Switzerland. Electric circuit breaker. 1,965,551; July 3.
- Kopf, Arthur A., Ancon, assignor of one-half to S. Grier, Balboa Heights, Canal Zone. Brake drum. 1,951,363; Mar. 20.
- Kopf, John C., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Casing for a grinding mill. Des. 92,615; June 26.
- Kopf, John C., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Casing for a grinding mill. Des. 93,171; Aug. 28.
- Kopf, John C., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Casing for a grinding mill. Des. 93,172; Aug. 28.
- Kopfstein, Carl E., Pittsburgh, Pa. Window shade slat. 1,943,896; Jan. 16.
- Kopinski, Louis, Cicero, assignor to John E. Fast & Company, Chicago, Ill. Noninductive condenser and making same. 1,952,925; Mar. 27.
- Kopitzki, Aloisius, assignor to Barnes Scale Company, Detroit, Mich. Knife edge bearing. 1,949,967; Mar. 6.
- Kopke, Ernst W., assignor to Fulton Iron Works Company, St. Louis, Mo. Cane knife. 1,950,733; Mar. 13.
- Koplin, Harry, and J. Maki, Chicago, Ill. assignors, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Washing cylinder door construction. 1,984,931; Dec. 18.
- Koplinka, Stanley. (See Zimmer, S., and Koplinka.)
- Kopp Glass, Incorporated. (See Kopp, Nicholas, assignor.)
- Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Lighting fixture bowl or similar article. Des. 91,781; Mar. 20.
- Kopp, Reinhold A., Chicago, and J. Peter, Lyons, assignors to W. M. Welch Manufacturing Co., Chicago, Ill. Barometer. 1,950,497; Mar. 13.
- Koppe, Alexander T., Chicago, Ill., assignor, by mesne assignments, to Lanston Monotype Machine Company, Philadelphia, Pa. Reciprocating carriage mechanism. 1,952,173; Mar. 27.

- Koppel Industrial Car and Equipment Company. (See Anderson, John P., assignor.)
- Koppel Industrial Car and Equipment Company. (See Anderson, J. P., and Miller, assignors.)
- Koppel Industrial Car and Equipment Company. (See Lockwood, Burns D., assignor.)
- Koppel Industrial Car and Equipment Company. (See Moll, Harry C., assignor.)
- Koppel Industrial Car and Equipment Company. (See Schmohl, Alfred C., assignor.)
- Koppel Industrial Car and Equipment Company. (See Schmohl, A. C., and Anderson, assignors.)
- Koppel, Rudolf H. (See Ditmar, Rudolf, assignor.)
- Koppel, Rudolf H., and J. Linden, assignors to the firm Rhein-Schelde Gesellschaft für Ingenieurwesen m. b. H., Aachen, Germany. Motor-driven vehicle. 1,980,277; Nov. 13.
- Koppelman, Morris, Brooklyn, assignor to Holed-Tite Packing Corporation, New York, N. Y. Packing material. 1,958,050; May 8.
- Koppelman, Morris, Brooklyn, N. Y., assignor, by mesne assignments, to Packing Products Corporation. Packing holder for fragile articles. 1,969,802; Aug. 14.
- Koppers Company of Delaware, The. (See Becker, Joseph, assignor.)
- Koppers Company of Delaware, The. (See Blackwood, O. H., and Exline, assignors.)
- Koppers Company of Delaware, The. (See Bradford, J. D., and McAleer, assignors.)
- Koppers Company of Delaware, The. (See Bragg, Gilbert A., assignor.)
- Koppers Company of Delaware, The. (See Daniels, Wilhelm H. and J., assignors.)
- Koppers Company of Delaware, The. (See Davies, Caleb, Jr., assignor.)
- Koppers Company of Delaware, The. (See Deans, Robert S., assignor.)
- Koppers Company of Delaware, The. (See Denig, Fred, assignor.)
- Koppers Company of Delaware, The. (See Désy, Gustave G., assignor.)
- Koppers Company of Delaware, The. (See Donauer, Max, assignor.)
- Koppers Company of Delaware, The. (See Eymann, Constantz, assignor.)
- Koppers Company of Delaware, The. (See Garrison, Clarence W., assignor.)
- Koppers Company of Delaware, The. (See Gollmar, Herbert A., assignor.)
- Koppers Company of Delaware, The. (See Hahn, Conrad, assignor.)
- Koppers Company of Delaware, The. (See Hansen, Christian J., assignor.)
- Koppers Company of Delaware, The. (See Hansen, C. J., and Eymann, assignors.)
- Koppers Company of Delaware, The. (See Hansen, Christian J., assignor.)
- Koppers Company of Delaware, The. (See Harlow, Earl V., assignor.)
- Koppers Company of Delaware, The. (See Hiller, Georg, assignor.)
- Koppers Company of Delaware, The. (See Ingram, John W., assignor.)
- Koppers Company of Delaware, The. (See Jacobson, David L., assignor.)
- Koppers Company of Delaware, The. (See Jones, Irvin H., assignor.)
- Koppers Company of Delaware, The. (See Kemper, Alfons, assignor.)
- Koppers Company of Delaware, The. (See Koppers, Heinrich, assignor.)
- Koppers Company of Delaware, The. (See Leithauser, Heinz, assignor.)
- Koppers Company of Delaware, The. (See Lux, Elisabeth, assignor.)
- Koppers Company of Delaware, The. (See Malkomes, Walter, assignor.)
- Koppers Company of Delaware, The. (See Nordmeyer, Gerald J., assignor.)
- Koppers Company of Delaware, The. (See Nordmeyer, G. J., and Stone, assignors.)
- Koppers Company of Delaware, The. (See Peterson, Paul D., assignor.)
- Koppers Company of Delaware, The. (See Powell, Alfred R., assignor.)
- Koppers Company of Delaware, The. (See Ramsburg, Charles J., assignor.)
- Koppers Company of Delaware, The. (See Schöneborn, Heinrich, assignor.)
- Koppers Company of Delaware, The. (See Schöffler, Julius, assignor.)
- Koppers Company of Delaware, The. (See Shaw, Joseph A., assignor.)
- Koppers Company of Delaware, The. (See Shively, Walter L., assignor.)
- Koppers Company of Delaware, The. (See Shoeld, Mark, assignor.)
- Koppers Company of Delaware, The. (See Slater, Homer B., assignor.)
- Koppers Company of Delaware, The. (See Smith, Charles J., assignor.)
- Koppers Company of Delaware, The. (See Sperr, Frederick W. Jr., assignor.)
- Koppers Company of Delaware, The. (See Totzek, Friedrich, assignor.)
- Koppers Company of Delaware, The. (See Van Ackeren, Joseph, assignor.)
- Koppers Company of Delaware, The. (See Van Ackeren, Paul, assignor.)
- Koppers Company of Delaware, The. (See Wilson, Philip J. Jr., assignor.)
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Recovering ammonium sulphate and sulphur from gases containing ammonia and sulphuretted hydrogen. 1,971,964; Aug. 28.
- Koppers-Rheolaveur Company. (See Keatley, C. W., Woody, and Kear, assignors.)
- Koppitz, Carl G., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High tension switch. 1,949,018; Feb. 27.
- Koppitz, Carl G., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High-tension switch. 1,949,019; Feb. 27.
- Koppitz, Carl G., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High tension switch. 1,949,164; Feb. 27.
- Koppitz, Carl G., assignor to Railway & Industrial Engineering Co., Greensburg, Pa. Alternating current transmission system. 1,982,875; Dec. 4.
- Kops Brothers, Inc. (See Kops, Stanley D., assignor.)
- Kops, Stanley D., assignor to Kops Brothers, Inc., New York, N. Y. Elastic fabric. Des. 92,407; June 5.
- Kops, Stanley D., assignor to Kops Brothers, Inc., New York, N. Y. Girdle. Des. 92,408; June 5.
- Kopsch, Ulrich. (See Walker, W. O., and Kopsch.)
- Korab, Harry E., Washington, D. C. Shield for outlet boxes. 1,956,196; Apr. 24.
- Koral, Morris, Bronx, N. Y. Mounting device for electric fixtures. 1,958,051; May 8.
- Koran, William D., Providence, R. I., assignor to The Williams and Anderson Company. Altar. 1,944,985; Jan. 30.
- Kordes, Wilhelm J. H., Sparrieshoop, Germany, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa. Rose. Pl. Pt. 104; Oct. 16.
- Kordes, Wilhelm J. H., Sparrieshoop, Germany, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa. Rose variety. Pl. Pt. 105; Oct. 16.
- Korce, Jean U., New York, N. Y., assignor to Flexo Safety Razor Corporation. Safety razor. 1,981,958; Nov. 27.
- Korengold, John A., Chicago, Ill. Producing electric lamps. 1,951,423; Mar. 20.
- Korfage, Harry W., Collingswood, N. J., assignor to J. E. Caldwell & Company, Philadelphia, Pa. Automatic clock winding mechanism. 1,952,030; Mar. 20.
- Korff, Arnold. (See Guziel, A. A., and Korff.)
- Korfmacher, Anton, Cologne-Lindenthal, Germany. Metering pump. 1,981,416; Nov. 20.
- Kork-N-Seal Limited. (See Nagy, Árpád B., assignor.)
- Korn, Benjamin M. (See Lapin, S., and Korn.)
- Korn, Franklin A., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,944,244; Jan. 23.
- Korn, Friedrich. (See Eyer, C., and Korn.)
- Korn, Friedrich. (See Krauch, C., Eyer, Baetz, and Korn.)
- Korn, Isidor, Newark, assignor of one-half to T. C. Hiller, Irvington, N. J. Fuse. 1,958,194; May 8.
- Korn, Karl F., Hackensack, N. J. Wood building block imitating stone design. 1,971,010; Aug. 21.
- Kornas, Joseph, Linden, N. J. Faucet. 1,971,186; Aug. 21.
- Kornbau, Kennard, New York, N. Y. Architectural metal work. 1,948,721; Feb. 27.
- Korneluk, Carl E., Baltimore, Md. Brake equalizing device. 1,955,504; Apr. 17.
- Körös, László, Budapest, Hungary. Circuit connection for thermionic tubes. 1,973,082; Sept. 11.
- Korsmo, Torbjörn C., assignor to Madison-Kipp Corporation, Madison, Wis. Die casting machine. 1,964,324; June 26.
- Korstkotte, Edward H., Erie, Pa., assignor to General Electric Company. Welding electrode. 1,957,214; May 1.
- Korte, Alfred C., assignor to Metalcraft Corporation, St. Louis, Mo. Toy automobile or like article. Des. 92,095; Apr. 24.
- Korte, Alfred C., assignor to Metalcraft Corporation, St. Louis, Mo. Electric hand lantern. Des. 92,409; June 5.
- Korte, Alfred C., assignor to Metalcraft Corporation, St. Louis, Mo. Truck body. 1,952,442; Mar. 27.
- Korte, Alfred C., assignor to Metalcraft Corporation, St. Louis, Mo. Velocipede. 1,964,993; July 3.
- Korten, Ernst, Fechenheim, near Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Condensation product from hydroaromatic ring ketones. 1,969,850; Aug. 14.
- Korth, John C., Maplewood, N. J. Oil burner. 1,977,798; Oct. 23.
- Korth, John C., Maplewood, N. J., and G. I. Carter, New York, N. Y., said Carter assignor to said Korth. Apparatus for burning liquid fuel. 1,970,145; Aug. 14.
- Kortick, John C., San Francisco, Calif. Making insulator caps. 1,970,658; Aug. 21.
- Kortick, John C., San Francisco, Calif. Insulator cap. 1,970,659; Aug. 21.
- Kortz, Harry, et al. (See Block, Morris H., assignor.)
- Kosanovich, Burke B., Milwaukee, Wis. Fruit jar wrench and holder. 1,953,238; Apr. 3.

- Kosfeld, Wilhelm, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Grinding apparatus. 1,976,233; Oct. 9.
- Kosken, Wilho A., Inc. (See Kosken, Wilho A., assignor.)
- Kosken, Wilho A., New York, N. Y., assignor to Wilho A. Kosken, Inc. Continuous projector for natural color projection. 1,984,142; Dec. 11.
- Koski, George E. (See Ross, Charles, assignor.)
- Kosma, Andrew R., Bayonne, N. J. Combination jack for pen. 1,947,092; Feb. 13.
- Koss, Anton J. (See Krasnodmsky, John, assignor.)
- Koss, Louis F., jr., Indianapolis, and M. H. Kluter, Richmond, Ind. Gummed tape applicator. 1,956,742; May 1.
- Kossack, Elmer. (See Morton, W. C., and Degenfelder, assignors.)
- Kossek, John J. (See Forbringer, L. J., and Kossek.)
- Kossowski, Wacław, Warsaw, Poland. Making pipe bends. 1,975,045; Sept. 25.
- Kost, Hans, Bergen, Germany, assignor to E. Schniewind, New York, N. Y. Electric-arc welding. 1,979,944; Nov. 6.
- Köster, Friedrich, Frankfurt-on-the-Main, Germany. Mount for pictures, photographs, and the like. 1,943,022; Jan. 9.
- Koster, Henry H., Grand Rapids, Mich. Toilet table or similar article. Des. 91,272; Jan. 2.
- Koster, Henry H., Grand Rapids, Mich. Dresser or similar article. Des. 91,273; Jan. 2.
- Köster, Johann F., Frankfurt-on-the-Main, Germany. Album for photographic pictures and the like. 1,957,716; May 8.
- Köster, Werner, Dortmund, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Improving cobalt-molybdenum alloys. 1,949,313; Feb. 27.
- Kostka, Andrew C., Chicago, Ill. Vehicle signal switch. 1,942,297; Jan. 2.
- Kotcher, Albert J., Detroit, Mich., assignor to Chrysler Corporation. Rolling or sliding card file. 1,984,485; Dec. 18.
- Kotchi, Charles J. (See Howland, O. L., and Kotchi.)
- Kotchi, Charles J., Chicago, Ill., assignor, by mesne assignments, to Una Welding Inc., Cleveland, Ohio. Rod recessing and coating machine. 1,954,009; Apr. 10.
- Kotchi, Charles J., Chicago, Ill., assignor, by mesne assignments, to Una Welding Inc., Cleveland, Ohio. Manufacturing flux carrying rods or wire. 1,976,026; Oct. 9.
- Kotelevtsev, Serge G., New York, N. Y. Air compressor and supercharger. 1,949,723; Mar. 6.
- Kotenberg, Herbert R. (See Harder, H. J., and Kotenberg.)
- Kothe, Louis E., Englewood, N. J. Safety device for cashiers. 1,963,274; June 19.
- Kotrbaty Guy F., Laureton, assignor to Ferrocon Corporation, New York, N. Y. Beam construction. 1,957,176; May 1.
- Kotrbaty, Guy F., assignor to Ferrocon Corporation, New York, N. Y. Securing member for building construction units. 1,965,601; July 10.
- Kotrbaty, Guy F., assignor to Ferrocon Corporation, New York, N. Y. Building construction. 1,968,045; July 31.
- Kotter, Theodore F. (See O'Brien, D. J., and Kotter.)
- Kottman, Arthur A., Davenport, assignor, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Control for bread slicing machines. 1,964,824; July 3.
- Kottmann, August, Sommerda, Thuringia, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Total-printing device. 1,942,106; Jan. 2.
- Kottmann, August, assignor to Rheinische Metallwaren und Maschinenfabrik Sommerda Aktiengesellschaft, Sommerda, Germany. Automatic rounding off mechanism for calculating machines. 1,950,183; Mar. 6.
- Kottmann, August, assignor to Rheinische Metallwaren und Maschinenfabrik Sommerda Aktiengesellschaft, Sommerda, Thuringia, Germany. Apparatus for actuating the counting wheels of calculating machines. 1,962,690; June 12.
- Kottmann, August, Sommerda, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Calculating machine with automatic multiplying device. 1,973,437; Sept. 11.
- Kottmann, August, assignor to Rheinische Metallwaren und Maschinenfabrik Sommerda Aktiengesellschaft, Sommerda, Germany. Calculating machine with automatic multiplying means. 1,974,494; Sept. 25.
- Kotvis, William, F. A. Chapman, and L. W. Portland, Hillsboro, Wis. Lock nut. 1,969,223; Aug. 7.
- Kotzebue, Meinhard H., Tulsa, Okla. Fractionating apparatus. 1,983,762; Dec. 11.
- Kotzen, Becky, New York, N. Y. Blouse. Des. 92,255; May 15.
- Kotzen, Becky, New York, N. Y. Blouse. Des. 92,256; May 15.
- Kotzen, Becky, New York, N. Y. Blouse. Des. 92,410; June 5.
- Kotzen, Becky, New York, N. Y. Blouse. Des. 92,411; June 5.
- Kouba, Richard E., Omaha, Nebr. Beehive frame locking bar. 1,968,405; July 31.
- Koubek, John L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Combined tail-light and reflector signal. 1,954,010; Apr. 10.
- Koubek, John L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Mold for lenses. 1,976,350; Oct. 9.
- Koukal, Louis, New York, N. Y. Window-glass cleaning implement. 1,975,585; Oct. 2.
- Koukal, Louis, New York, N. Y. Window cleaning implement. 1,977,483; Oct. 16.
- Koulchikov, Sergey N., and J. J. Drabin, New York, N. Y. Clutch control. 1,943,534; Jan. 16.
- Koupal, Walter G., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Tank construction. 1,984,932; Dec. 18.
- Kousin, Harry, New York, and W. Sude, Arverne, N. Y. Wedding ring or similar article. Des. 93,929; Nov. 27.
- Kovach, Andrew J., Rochester, Pa. Pump. 1,946,166; Feb. 6.
- Kovacs, Alexander. (See Turnai, Eugene, assignor.)
- Kovács, Charles P., Budapest, Hungary. Rotary frequency and phase converter. 1,955,133; Apr. 17.
- Kovács, Louis, Toledo, Ohio. Combination signal light for vehicles. 1,952,133; Mar. 27.
- Kovacs, Theodor, Berlin, assignor to Gunther Wagner, Hanover, Germany. Ink phial or filler. 1,959,959; May 22.
- Kovalovsky, Arthur, Los Angeles, Calif. Fishing reel. 1,958,919; May 15.
- Kovalsky, Joseph F., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photosensitive control apparatus. 1,962,353; June 12.
- Kovar, John R., Anoka, Minn. Cultivator shovel with sweep attachment. 1,982,746; Dec. 4.
- Kovats, John, assignor to The Leg-O-Matic Company, Bridgeport, Conn. Folding chair. 1,946,082; Feb. 6.
- Kovats, John, Fairfield, assignor to The Leg-O-Matic Company, Bridgeport, Conn. Folding chair. 1,976,567; Oct. 9.
- Kovats, John, assignor to The Leg-O-Matic Company, Bridgeport, Conn. Foldable chair. 1,981,387; Nov. 20.
- Kover, John R., Anoka, Minn. Clutch mechanism for power lifts or the like. 1,967,826; July 24.
- Kowada, Isoji, Kyoto-fu, Japan. Reeling machine. 1,943,798; Jan. 16.
- Kowal, Walter, assignor to Phoenix Metal Cap Co., Inc., Brooklyn, N. Y. Sealing head for jars. 1,954,737; Apr. 10.
- Kowald, August, New Braunfels, Tex. Pocketknife. 1,965,291; July 3.
- Kowalski, Alexander, Los Angeles, Calif. Removable jaw orange clipper. 1,955,134; Apr. 17.
- Kowan, Maurice H. (See Ryan, E. J., and Kowan.)
- Kovallis, Theodore, Reading, Pa., assignor of fifty per cent to Berkmont Company. Glow lamp. 1,969,566; Aug. 7.
- Kozak, Henry, Clifton, N. J. Clothesline arrangement. 1,979,627; Nov. 6.
- Kozmer, Benjamin, Chicago, Ill. Apparatus for treating footballs, basketballs, or like inflatable balls. Re19,393; Dec. 11.
- Kraatz, Paul E., assignor of one half to W. J. Quirk, Evanston, Ill. Rope fastening device. 1,953,860; Apr. 3.
- Kracker, Herbert. (See Fischer, E., Kissing, and Kracker.)
- Kracker, Herbert. (See Henle, F., and Kracker.)
- Krackowizer, Hermann J., assignor to Refrigeration Appliances, Inc., Chicago, Ill. Radiator fan. 1,983,549; Dec. 11.
- Kradoska, Edward C., Philadelphia, assignor to G. J. Keller, Glenside, Pa. Flexible coupling. 1,972,779; Sept. 4.
- Kraeff, Herman L., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Bottle shipping case. Des. 91,357; Jan. 16.
- Kraeff, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Metal cribbing. 1,975,108; Oct. 2.
- Kraencke, Fritz, Zehlendorf, near Berlin, Germany, assignor to the firm Remington Rand Inc., Buffalo, N. Y. Index member for files of the overlapping visible index type. 1,953,017; Mar. 27.
- Kräenzlein, Georg, Frankfurt-on-the-Main-Hoechst, and M. Corell, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing condensation products of the benzanthrone series and new products obtainable thereby. 1,947,943; Feb. 20.
- Kraenzlein, Georg, and A. Voss, Frankfurt-on-the-Main-Hoechst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Phenol ethers and preparing them. 1,948,667; Feb. 27.
- Kraft, Robert. (See Förster, F., and Kraft.)
- Kraft, Andreas, Munich, Germany. Cap closure for bottles. 1,956,071; Apr. 24.
- Kraft, Charles H., and R. E. Gearhart, Kansas City, Mo., assignor, by mesne assignments, to Koch Butchers Supply Company. Wardrobe door and operating mechanism therefor. 1,965,841; July 10.
- Kraft, Edward L., assignor to Martin-Parry Corporation, York, Pa. Windshield for automobiles. 1,966,983; July 17.
- Kraft, Edward L., assignor to Martin-Parry Corporation, York, Pa. Windshield for automobiles. 1,969,851; Aug. 14.
- Kraft, Fred W., Oak Park, assignor to Reflector Hardware Corporation, Chicago, Ill. Counter. 1,975,157; Oct. 2.

- Kraft, Frederick G., Richmond, Va., assignor to Du Pont Rayon Company, New York, N. Y. Spindle. 1,972,150; Sept. 4.
- Kraft, Leon, and C. H. Thompson, San Diego, Calif. Line casting slug length control. 1,956,100; Apr. 24.
- Kraft, Norman, Wilmette, Ill., assignor, by mesne assignments, to Kraft-Phenix Cheese Corporation. Packaging. 1,965,769; July 10.
- Kraft-Phenix Cheese Corporation. (See Clickner, Forest H., assignor.)
- Kraft-Phenix Cheese Corporation. (See Kraft, Norman, assignor.)
- Kraft, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Intermittent film moving mechanism. 1,984,143; Dec. 11.
- Krag, Erik L., assignor of one-tenth to E. J. Andrews, Chicago, Ill. Loose leaf binder. 1,984,376; Dec. 18.
- Krag, Harry W., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo. Dust collector. 1,941,988; Jan. 2.
- Krag, Harry W., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo. Edge trimmer. 1,964,472; June 26.
- Kragenfabrik, W. R., G. m. b. H. (See Jakobson, Julius, assignor.)
- Krahl, Walter L., Montclair, N. J., assignor, by mesne assignments, to Arturus Development Company. Unitary vacuum tube structure. 1,960,056; May 22.
- Krahl, Walter L., Montclair, N. J., assignor, by mesne assignments, to Arturus Development Company. Electron discharge device. 1,967,208; July 17.
- Krahl, Walter L., Montclair, N. J., assignor, by mesne assignments, to Arturus Development Company. Element structure for electron devices. 1,980,068; Nov. 6.
- Krakau, Harry T., Cleveland, Ohio. Shoe ventilator. 1,962,822; June 12.
- Krakau, Harry T., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock absorbing mechanism. 1,942,175; Jan. 2.
- Krakau, Harry T., assignor to The Acme Check Company, Ltd., Cleveland, Ohio. Ticket holding and shearing device. 1,947,856; Feb. 20.
- Krakauer, Philip, Brooklyn, assignor to Standard Ribbon Corporation, New York, N. Y. Adjustable ribbon strap. 1,954,768; Apr. 10.
- Krakora, John, jr., Park Ridge, Ill. Air deflector for vehicles. 1,953,683; Apr. 3.
- Krall, Stanley, Longmeadow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Flexure testing device and method. 1,954,483; Apr. 10.
- Kramer, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Radio direction finder. 1,949,256; Feb. 27.
- Kramer, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Supervisory apparatus for radio beacons. 1,953,239; Apr. 3.
- Kramer, Alphonse J., Antioch, assignor to Fibreboard Products Inc., San Francisco, Calif. Container. 1,973,959; Sept. 18.
- Kramer, Andrew A., Kansas City, Mo. Grain bin. 1,977,389; Oct. 16.
- Kramer, Andrew A., Kansas City, Mo. Balanced valved thief-hole cover. 1,977,390; Oct. 16.
- Kramer, Andrew A., Kansas City, Mo. Grain bin. 1,977,391; Oct. 16.
- Kramer, Andrew A., assignor to G. D. Beardsley, Kansas City, Mo. Rolling ladder for tanks. 1,945,531; Feb. 6.
- Kramer, Andrew A., assignor to G. D. Beardsley, Kansas City, Mo. Sempipontoon floating deck. 1,958,437; May 15.
- Kramer, Andrew A., assignor to G. D. Beardsley, Kansas City, Mo. Open compartment pontoon deck. 1,976,734; Oct. 16.
- Kramer, Andrew A., assignor to George D. Beardsley, Kansas City, Mo. Pontoon floating deck for tanks. 1,979,272; Nov. 6.
- Kramer, Arthur P., Los Angeles, Calif. Blow torch. 1,970,287; Aug. 14.
- Krämer, Christian, Berlin-Pankow, Germany, assignor to General Electric Company. Grid-controlled electric valve converting system. 1,971,188; Aug. 21.
- Kramer, Emil M., Flagler Beach, Fla., assignor of one-fourth to D. J. Campbell, Muskegon, one-fourth to W. A. Ratcliffe, South Haven, and sixteen per cent to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Internal combustion engine. 1,966,671; July 17.
- Kramer, Eric B., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Conveyor mechanism. 1,983,471; Dec. 4.
- Kramer, Frank J., Lancaster, Pa. Heel protecting foot rest. 1,951,284; Mar. 13.
- Kramer, Fred M., New York, N. Y., assignor to The E. F. Hauserman Company, Cleveland, Ohio. Pilaster for metallic building structures. 1,964,438; June 26.
- Kramer, Gustav A. (See Rosenstein, L., and Kramer.)
- Kramer, Gustav A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Absorption of olefines. 1,953,618; Apr. 3.
- Kramer, Gustav A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Control of exothermic reactions. 1,967,410; July 24.
- Kramer, Gustav A., Oakland, and L. Rosenstein, assignors to Shell Development Company, San Francisco, Calif. Preparation of nitrogenous products. 1,948,968; Feb. 27.
- Krämer, Heinrich, W. Schumacher, and E. Weisser, Hornberg, Germany, assignors, by mesne assignments, of one-third to Beece Corporation, Inc., Milwaukee, Wis. Car lifting device. 1,969,408; Aug. 7.
- Kramer, Henry H. (See Schmidt, F. A., and Kramer.)
- Kramer, Herman. (See Boylan, D. W., Kramer, and Jansen.)
- Kramer, John J., Melrose, Minn. Automatic grapple. 1,966,177; July 10.
- Kramer, Leonard H., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Abrasive cleaning mechanism and process. 1,977,516; Oct. 16.
- Kramer, William, Richmond Hill, assignor to Ideal Aeroplane and Supply Company, New York, N. Y. Machine for cutting sticks from flat strips. 1,952,926; Mar. 27.
- Kramm, Gustav W. (See Hackett, Harold A., assignor.)
- Kranefuss, Albert M., Boston, Mass. Coat front structure and making the same. 1,976,669; Oct. 9.
- Kraner, Warren A., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif. Concrete pipe coupling. 1,945,279; Jan. 30.
- Kraner, Warren A., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif. Construction column. 1,950,801; Mar. 13.
- Kraner, Warren A., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif. Conduit. 1,961,974; June 5.
- Kraner, Warren A., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif. Pipe coating method and machine. 1,966,725; July 17.
- Kraner, Warren A., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif. Pipe coating machine. 1,976,999; Oct. 16.
- Kranich, Henry O., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for washing flat sheets or plates. 1,953,352; Apr. 3.
- Kranick, Frank N. G., assignor to J. I. Case Company, Racine, Wis. Hammer mill. 1,962,778; June 12.
- Kranick, Frank N. G., assignor to J. I. Case Company, Racine, Wis. Manure loader and spreader. 1,979,945; Nov. 6.
- Krantz, Hubert, Aachen, Germany. Tenting and drying machine. 1,961,881; June 5.
- Krantz, Hubert K., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reeling device. 1,958,626; May 15.
- Krantz, Maurice, Cleveland, and Arthur Green, Lakewood, Ohio. Set of playing cards. Des. 93,413; Sept. 25.
- Kranz, Curtis G., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,946,217; Feb. 6.
- Kranz, Curtis G., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,949,688; Mar. 6.
- Kranz, Curtis G., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Bill printing machine. 1,955,814; Apr. 24.
- Kranz, Curtis G., assignor to Addressograph Company, Chicago, Ill. Ink ribbon feed and reversing mechanism. 1,971,568; Aug. 28.
- Kranz, Frederick H., Buffalo, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Making alkyl amino carbinols. 1,942,820; Jan. 9.
- Kranz, Frederick H., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of hydroxybenzene-phthaleins. 1,965,842; July 10.
- Kranz, Harry W., assignor to The Cleveland Welding Company, Cleveland, Ohio. Rim. 1,963,854; June 19.
- Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament and making the same. 1,979,887; Nov. 6.
- Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament and making the same. 1,979,888; Nov. 6.
- Kranzhoff, John, Brooklyn, N. Y. Automobile jack. 1,952,015; Mar. 20.
- Kränzlein, Georg. (See Kunz, M. A., Kränzlein, Koerberle, Corell, Berthold, and Vollmann.)
- Kränzlein, Georg, H. Vollmann, and H. Boedeker, Frankfurt-on-the-Main-Hochst, and H. Becker, Hofheim-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone-acridone series and preparing them. 1,944,986; Jan. 30.
- Kränzlein, Georg, and H. Vollmann, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation product of the pyrenquinone series and preparing it. 1,948,926; Feb. 27.
- Kränzlein, Georg, and A. Voss, Frankfurt-on-the-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Oil-soluble synthetic resins and process of preparing the same. 1,952,676; Mar. 27.
- Kränzlein, Georg, Frankfurt-on-the-Main-Hochst, R. K. Muller, Bad Soden-on-Taunus, and L. W. Berlin, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing storage battery plates. 1,963,468; June 19.
- Kränzlein, Georg, M. Corell, and E. Dittenbach, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen-benzophenone-dicarboxylic acids and halogen-anthraquinone-carboxylic acids and preparing them. 1,966,126; July 10.

- Kränzlein, Georg, Frankfurt-on-the-Main, H. Schlichenmaier, Kelkheim-in-Taunus, and L. Schörnig, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Amino-anthraquinone sulpho-chlorides and preparing them. 1,973,001; Sept. 11.
- Kränzlein, Georg, and E. Runne, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Höchst, Inc., New York, N. Y. Mono alkyl ethers of 1,4-dihydroxy anthracene. 1,979,628; Nov. 6.
- Krapf, Herman C., and J. O. Sherrard, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage-regulator for axle-generators. 1,971,109; Aug. 21.
- Krapf, Herman C., Wilkinsburg, C. Kerr, jr., Edgewood, and S. G. Nottage, Murrysville, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating-current direct-current supply system for air-conditioned cars. 1,985,641; Dec. 25.
- Krase, Herbert J. (See Levine, M. M., and Krase.)
- Krase, Norman W. (See Carlin, J. C., and Krase.)
- Krasnodnisky, John, assignor of fifteen per cent to A. J. Koss, Milwaukee, Wis. Safety parachute for airplanes. 1,971,877; Aug. 28.
- Krasnov, Samuel, assignor to Surefit Products Company, Philadelphia, Pa. Slip cover for furniture. 1,984,973; Dec. 18.
- Kratz, Delbert, assignor to The Studebaker Corporation, South Bend, Ind. Carton for fenders. 1,956,687; May 1.
- Kratz, Edouard M., Chicago, Ill., assignor to Marsene Products Co., Gary, Ind. Transparent sheet material. 1,976,027; Oct. 9.
- Kratz, Edouard M., Chicago, Ill., assignor, by mesne assignments, to Marsene Products Co. Transparent reinforced waterproof sheet material. 1,976,028; Oct. 9.
- Kratz, Franz, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Power driven screw-driver. 1,963,855; June 19.
- Kratz, George D., Scarsdale, assignor to Benjamin Briscoe, New York, N. Y. Selective agent for mineral recovery. 1,970,701; Aug. 21.
- Kratz, Michael W., Philadelphia, Pa. Hypodermic syringe. 1,971,687; Aug. 28.
- Krauch, Carl, and C. Eyer, Ludwigshafen-on-the-Rhine, and G. Baetz, Oggersheim, and F. Korn, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of mixed fertilizers containing ammonium nitrate. 1,947,601; Feb. 20.
- Krauch, Carl, Ludwigshafen-on-the-Rhine, M. Pier, Heidelberg, and K. Winkler, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of valuable liquid products from carbonaceous materials. 1,957,787; May 8.
- Krauch, Carl, and M. Pier, Ludwigshafen-on-the-Rhine, and A. Eisenhut, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Refining of crude liquid hydrocarbons. 1,960,974; May 29.
- Krauch, Carl, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of tires. 1,979,946; Nov. 6.
- Krauch, Carl, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Resilient tire. 1,979,947; Nov. 6.
- Krauch, Carl, Ludwigshafen-on-the-Rhine, and M. Pier, Heidelberg, Germany, assignors to Standard-I. G. Company, Linden, N. J. Conversion of solid fuels and product derived therefrom or other materials into valuable liquids. 1,983,234; Dec. 4.
- Kraunz, Irving, New York, N. Y. Blouse. Des. 93,229; Sept. 4.
- Kraunz, Irving, New York, N. Y. Blouse. Des. 93,725; Oct. 30.
- Kraus, Abraham. (See Mittelman, S. J., and Kraus.)
- Kraus, Charles E., Ann Arbor, Mich. Variable pump. 1,982,958; Dec. 4.
- Kraus, Jack L., 2d, New York, and F. Saunders, Brooklyn, N. Y. Burglar and fire alarm. 1,952,079; Mar. 27.
- Kraus, Johann, assignor, by mesne assignments, to Heindl & Petters, Vienna, Austria. Device for locking the platen of typewriters. 1,953,561; Apr. 3.
- Kraus, Joseph H., Flushing, assignor of one-half to H. and S. Gernsback and I. S. Manheimer, New York, N. Y. Electrically operated fountain. 1,954,704; Apr. 10.
- Krause, Arthur H. (See Bertsch, J. A., and Krause.)
- Krause, Artur. (See Nawlasky, P., Stein, and Krause.)
- Krause, Artur. (See Wulff, C., Roell, and Krause.)
- Krause, Cecile H., Cleveland, Ohio. Rotary cutting tool appliance. 1,964,290; June 26.
- Krause, Conrad B., Cleveland, Ohio. Food preparing machine. 1,944,245; Jan. 23.
- Krause, Max, Hasloh in Holstein, Germany, assignor to The Concord-Pyle Company, West Grove, Pa. Rose. Pl. Pt. 87; Mar. 13.
- Krause, Norman R. (See Walsh, J. I., and Krause.)
- Krause, Norman R., Racine, Wis. Grease gun. 1,956,072; Apr. 24.
- Krause, Norman R., Racine, Wis. Refill mechanism for grease guns. 1,956,073; Apr. 24.
- Krause, Norman R., Racine, Wis. Lubricant dispenser. 1,956,074; Apr. 24.
- Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Corn harvesting machine. 1,947,556; Feb. 20.
- Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Corn picker-sheller. 1,969,016; Aug. 7.
- Krause, Otto. (See Bender, Frederick C., assignor.)
- Krause, William C., Milwaukee, Wis. Bottle shipping crate. 1,969,409; Aug. 7.
- Krausen, Carl, Aachen, Germany. Wreath hoop wire. 1,958,827; May 15.
- Krauss, Catherine G., Philadelphia, Pa. Pocket cuspidor. 1,960,498; May 29.
- Krauss, Charles F. (See Cannon, T. E., and Krauss.)
- Krauss, Eva. (See Krauss, William N., assignor.)
- Krauss, Friedrich E. (See Kemper, Käthe, assignor.)
- Krauss, Friedrich E., Schwarzenberg, Germany. Centrifugal machine. 1,968,692; July 31.
- Krauss, Friedrich E., Schwarzenberg, Germany. Extending the cooling action of ice. 1,979,201; Oct. 30.
- Krauss, Friedrich E., Schwarzenberg, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Washing machine. 1,964,520; June 26.
- Krauss, Helmut. (See Sponsel, K., and Krauss.)
- Krauss, William N., assignor to E. Krauss, Pittsburgh, Pa. Wall veneer. 1,976,947; Oct. 16.
- Krauth & Benninghofen. (See Diesbach, Fritz G., assignor.)
- Krauthaim, William C. (See Hallquist, E. G., and Krauthaim.)
- Kraybill, Henry R. (See Brewer, P. H., and Kraybill.)
- Krchma, Ignace J. (See Bannister, W. J., and Krchma.)
- Krchma, Ignace J. (See Woodruff, J. C., Bloomfield, and Krchma.)
- Krebs, Adolf, deceased; Marguerite Krebs, executrix, assignor to Marguerite Krebs, Jamaica Plain, Mass. Reproducing apparatus. 1,956,581; May 1.
- Krebs, E. & Co. (See Dietrich, Jakob, assignor.)
- Krebs, Frank A., Brooklyn, N. Y. Piston ring expander. 1,961,001; May 29.
- Krebs, Marguerite, executrix. (See Krebs, Adolf.)
- Krebs, Paul, Detroit, Mich. Electrically heated knife. 1,947,857; Feb. 20.
- Krebs Pigment & Color Corporation. (See Breyer, F. G., and Koller, assignors.)
- Krebs Pigment & Color Corporation. (See Feagley, Chester C., assignor.)
- Krebs Pigment & Color Corporation. (See Hanahan, Marion L., assignor.)
- Kreer, John G., jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of distortion in vacuum tube circuits. 1,970,325; Aug. 14.
- Kreger, Lawrence F., Chicago, Ill. Motor support. 1,971,752; Aug. 28.
- Kreher, Joseph. (See De Samelson, P., Pulaski, and Kreher.)
- Kreidel, Hans, Wiesbaden, Germany. Siphon lubricator for suction and pressure lubrication. 1,945,554; Feb. 6.
- Kreidel, Hans, Wiesbaden, Germany. Hand-operated suction and pressure pump for lubricating purposes. 1,945,555; Feb. 6.
- Kreidel, Hans, Wiesbaden, Germany. Hand-operated high pressure grease gun. 1,945,556; Feb. 6.
- Kreidel, Hans, Wiesbaden, Germany. Lubricating nipple with nonreturn valves for high-pressure lubrication. 1,950,004; Mar. 6.
- Kreidel, Hans, Wiesbaden, Germany. Thermostatic lubricant flow regulator. 1,964,638; June 26.
- Kreider, A. S., Shoe Co., The. (See Kreider, Clement H., assignor.)
- Kreider, Clement H., Harrisburg, assignor to The A. S. Kreider Shoe Co., Annville, Pa. Shoe. Des. 94,088; Dec. 18.
- Kreider, Gideon R., jr., Lebanon, Pa., assignor to Box Blank Corporation, New York, N. Y. Box. 1,977,679; Oct. 23.
- Kreider, Gideon R., jr., Lebanon, Pa., assignor to Box Blank Corporation, New York, N. Y. Box. 1,979,835; Nov. 6.
- Kreidl, Ignaz, Vienna, Austria. Production of opaque glasses and enamels. 1,948,461; Feb. 20.
- Kreidl, Ignaz, Vienna, Austria. Photochemical oxidation of organic and inorganic compounds. 1,971,042; Aug. 21.
- Kreidl, Norbert, Reitendorf a/Tess, Czechoslovakia. Producing colored coatings of glass. 1,947,781; Feb. 20.
- Kreidl, Norbert, assignor to Glashüttenwerke vorm. J. Schreiber & Neffen, Reitendorf-on-the-Tess, Czechoslovakia. Manufacture of changeant or opalescent glass. 1,975,397; Oct. 2.
- Kreidler, Anton, Stuttgart, Germany. Cam gear for internal combustion engines. 1,976,286; Oct. 9.
- Kreidler, Carl H., Chicago, Ill., assignor to La Porte Specialties, Inc., La Porte, Ind. Condiment container. 1,952,016; Mar. 20.
- Kreig, Eva J., and A. T. Stromertz, San Jose, Calif. Safety emblem. Des. 93,772; Nov. 6.
- Krein, Andrew J., Baltimore, Md. Garment supporting band. 1,948,444; Feb. 20.
- Kreis, Joseph D. (See Pearson, A., and Kreis.)
- Kreis, Joseph D., assignor to The Erie Dyeing & Processing Co., Cleveland, Ohio. Yarn printing machine. 1,982,346; Nov. 27.
- Kreis, Oscar C., assignor to The Studebaker Corporation, South Bend, Ind. Internal combustion engine. 1,975,956; Oct. 9.

- Kreis, Oscar C., assignor to The Studebaker Corporation South Bend, Ind. Diesel engine. 1,984,836; Dec. 18.
- Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,985,294; Dec. 25.
- Kreiser, Walter. (See Rieseler, W., and Kreiser.)
- Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Separating system. 1,949,279; Feb. 27.
- Kreisinger, Henry, Piermont, and J. E. Bell, Brooklyn, N. Y., assignors to Combustion Engineering Corporation. Boiler and furnace installation. 1,954,298; Apr. 10.
- Kreiser, Jacques, & Co. (See Verger, Georges and H., and Weil, assignors.)
- Kreissler, Otto, Frankfurt-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Making pulp from fibrous material. 1,942,760; Jan. 9.
- Kreitz, Forrest M., Bethlehem, Pa., assignor to P. Sokolachko and T. and M. E. Morgan. Electrical contact device. 1,966,014; July 10.
- Krell, Joseph, Berlin-Zehlendorf, Germany. Address printing machine. 1,945,644; Feb. 6.
- Krell, Joseph, Berlin-Zehlendorf, Germany. Electric control for the printing mechanism of address-printing machines. 1,945,644; Feb. 6.
- Krell, Joseph, Berlin-Zehlendorf, Germany. Combined printing and addressing machine. 1,952,551; Mar. 27.
- Krell, Joseph, Berlin-Zehlendorf, Germany. Address-printing machine. 1,952,552; Mar. 27.
- Krell, Joseph, Berlin-Zehlendorf, Germany. Address-printing machine. 1,968,153; July 31.
- Krell, Otto, jr., Berlin-Dahlem, Germany. Appliance for treatment by sun rays. 1,974,820; Sept. 25.
- Kremer, John H. (See Salisbury, J. R., and Kremer.)
- Kremer, Morris A., Far Rockaway, assignor to East Side Metal Spinning & Stamping Corp., New York, N. Y. Lamp shade. Des. 91,888; Apr. 3.
- Kremer, William. (See Best, W. F., and Kremer.)
- Kremmling, Aribert, Hammersleben, near Oschersleben, Germany. Depositing machine. 1,974,336; Sept. 18.
- Krenke, Otto A., assignor to Anker-Holth Manufacturing Company, Port Huron, Mich. Spraying fixture. 1,964,263; June 26.
- Krenz, Max C., Ridgeland, Wis. Brush. Des. 93,026; Aug. 14.
- Kress, Claude W., New York, N. Y. Merchandise display device. 1,951,617; Mar. 20.
- Kress, Claude W., New York, N. Y. Display stand. 1,955,919; Apr. 24.
- Kress, Claude W., New York, N. Y. Label. 1,955,920; Apr. 24.
- Kress, Heinz. (See Avery, G. R., and Kress.)
- Kress, Heinz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating of material in the form of strands. 1,969,667; Aug. 7.
- Kress, Otto. (See Cyr, H. M., and Kress.)
- Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Wrench. 1,954,820; Apr. 17.
- Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Ratchet wrench. 1,957,462; May 8.
- Kressel, Konrad. (See Leistenschneider, A., and Kressel.)
- Kressin, Arthur W., Barney, N. Dak., assignor to F. J. Faust. Variable speed transmission. 1,950,056; Mar. 6.
- Kretschmar, Richard O., Austin, Tex. Securing means for holding electric light bulbs in sockets. 1,958,344; May 8.
- Kretschmer, Heinrich, Berlin-Lankwitz, Germany. Machine with oscillating rolling disks. 1,969,651; Aug. 7.
- Kretzer, Raymond, Yonkers, N. Y. Knitting machine. 1,970,288; Aug. 14.
- Kretzner, Erwin, Danzig, Free City of Danzig. Tobacco pipe. 1,957,143; May 1.
- Kreusler, Herman, Los Angeles, Calif. Display mechanism. 1,949,020; Feb. 27.
- Kreutz, Willy, assignor to Felix Schull, Duren, Germany. Welding. 1,943,123; Jan. 9.
- Kreutzer, Albert F. (See Harsen, Fred S., assignor.)
- Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Method and apparatus for storing and dispensing feed. 1,981,417; Nov. 20.
- Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Building. 1,981,418; Nov. 20.
- Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Building. 1,981,419; Nov. 20.
- Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Preserving hay. 1,981,420; Nov. 20.
- Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Dispensing means. 1,981,421; Nov. 20.
- Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Ventilated bin structure. 1,981,422; Nov. 20.
- Kreutzer, Frederic J., Elmira, N. Y., assignor to James Manufacturing Company, Fort Atkinson, Wis. Farm buildings. 1,985,037; Dec. 18.
- Kreuzer, Alois, assignor to Maschinenfabrik Augsburg-Nurnberg, A. G., Augsburg, Germany. Device for adjusting the throttle valve in the air suction pipe of combustion power machines. 1,962,448; June 12.
- Krewett, Valentine J., East St. Louis, Ill. Hoist and wheel release. 1,955,883; Apr. 24.
- Krick, Arthur E., Indianapolis, Ind. Accessory stand. 1,951,662; Mar. 20.
- Krick, Leonard B., Chicago, Ill., assignor to The Pop-sicle Corporation of the United States, New York, N. Y. Frozen confection. 1,965,292; July 3.
- Krida, Hugh, Upper Darby, Pa., assignor to General Electric Company. Electrical switch gear. 1,957,215; May 1.
- Kriebie, Charles C. (See Howie, K., and Kriebie.)
- Kriebbaum, John P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Forced circulation heating system. 1,951,663; Mar. 20.
- Krieg, John L. (See Jacocks, G. T., Krieg, and Chute.)
- Krieg, Walter L., South Bend, Ind. Brake. 1,962,081; June 5.
- Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Side connected implement for tractors. 1,952,503; Mar. 27.
- Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Tractor planter. 1,960,268; May 29.
- Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Planter. 1,985,374; Dec. 25.
- Krieger, Adolph J. (See Kiessling, M., Krieger, and Draher.)
- Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Handle or knob for a rheostat or the like. Des. 93,773; Nov. 6.
- Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 1,971,614; Aug. 28.
- Krieger, Julius P., Louisville, Ky. Cigarette case. 1,949,165; Feb. 27.
- Krieger, Wilhelm, assignor to Kalle & Co., Aktiengesellschaft, Wiesbaden, Biebrich, Germany. Light-sensitive layers containing a titanium salt of an organic hydroxy acid and preparing them. 1,964,358; June 26.
- Krieger, Wilhelm, assignor to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Multicolor film and preparing it. 1,966,412; July 10.
- Kriegstedt, Carl E., O., Washington, D. C., assignor to Engineering Appliance Corporation, Baltimore, Md. Fuse. 1,957,345; May 1.
- Krill, Joseph. (See Pike, R. D., and Krill.)
- Krippendorff, Calculator Company. (See McMaster, Albert L., assignor.)
- Krips, James A. C. (See Graves, H. C., jr., and Krips.)
- Krischer's Manufacturing Co. (See Fortman, Herman, assignor.)
- Krischer's Manufacturing Company. (See Hancock, Horace G., assignor.)
- Krischer's Manufacturing Company. (See Rosenblum, Charles.)
- Krishna, Sri, Dehra Dun, United Provinces, British India. Composition for reconditioning wood, abraded spike holes in rail sleepers, or for filling other holes and for similar purposes. 1,948,422; Feb. 20.
- Krissiep, Max, assignor to Textile Machine Works, Wyomissing, Pa. Yarn package holder. 1,960,227; May 22.
- Krissiep, Max, Wyomissing, assignor, by mesne assignments, to Berkshire Knitting Mills, West Reading, Pa. Ornamented knitted fabric and making the same. 1,985,210; Dec. 18.
- Krissiep, Max, and H. Staub, assignors to Textile Machine Works, Wyomissing, Pa. Carrier for braiding machines. 1,965,656; July 10.
- Krissiep, Max, and H. Staub, assignors to Textile Machine Works, Wyomissing, Pa. Carrier for braiding machines. 1,984,068; Dec. 11.
- Kritzer, Charles C. (See Pfleger, George T., assignor.)
- Kritzer, Richard W., Chicago, Ill., assignor, by mesne assignments, to Edwin W. Hammer, New York, N. Y. Refrigerating unit. 1,943,124; Jan. 9.
- Kritzer, Richard W., assignor to Peerless Ice Machine Company, Chicago, Ill. Refrigerating unit. 1,967,312; July 24.
- Krobitzsch, Robert W., et al. (See Ramos, J. A., and Scribante, assignors.)
- Kroebig, Karl, Milwaukee, Wis. Chimney top. 1,954,877; Apr. 17.
- Kroener, Paul F., Hyde Park, assignor to Textile Machine Works, Wyomissing, Pa. Stocking. Des. 92,179; May 8.
- Kroener, Paul F., Hyde Park, assignor to Textile Machine Works, Wyomissing, Pa. Stocking. Des. 92,180; May 8.
- Kroener, Paul F., Hyde Park, assignor to Textile Machine Works, Wyomissing, Pa. Stocking. Des. 92,181; May 8.
- Kroener, Paul F., Hyde Park, assignor to Textile Machine Works, Wyomissing, Pa. Stocking. Des. 92,182; May 8.
- Kroenig, Walter. (See Pier, M., and Kroenig.)
- Kroenlein, Henry A., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Vacuum cleaner. 1,978,158; Oct. 23.
- Kroepfle, Wilhelm, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Apparatus for mixing materials. 1,973,002; Sept. 11.
- Kroesen, Jay C., Belleville, N. J. Multiple printer. 1,985,038; Dec. 18.

- Kroger, Fred H., Ridgewood, N. J., assignor to Radio Corporation of America. Short wave radio apparatus. 1,952,715; Mar. 27.
- Kröger, Otto H. A., Altona-Klein-Fottbeck, and O. A. Oswald, Hamburg, Germany. Apparatus for the production of glass silk. 1,968,693; July 31.
- Kroger, Rudolf, Niles Center, Ill. Combined boiler and water heater. 1,963,624; June 19.
- Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 1,947,297; Feb. 13.
- Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 1,950,614; Mar. 13.
- Krogh-Lund, Aage T., assignor to I. Kruger A/S., Copenhagen, Denmark. Process and apparatus for reducing the hardness of water. 1,984,219; Dec. 11.
- Krohn, Herman C., Oak Park, Ill. Fishing apparatus. 1,984,272; Dec. 11.
- Kroll, Nathan J. (See Kroll, Samuel and N. J.)
- Kroll, Nathan J., Chicago, Ill. Baby carriage. 1,980,210; Nov. 13.
- Kroll, Nathan J. and S., Chicago, Ill. Baby carriage. 1,980,211; Nov. 13.
- Kroll, Samuel. (See Kroll, Nathan J. and S.)
- Kroll, Samuel and N. J., Chicago, Ill. Seat. Des. 93,774; Nov. 6.
- Kroll, Samuel and N. J., Chicago, Ill. Rail for a baby carriage or the like. Des. 93,831; Nov. 13.
- Kroll, Samuel and N., Chicago, Ill. Vehicle wheel. 1,982,309; Nov. 27.
- Kroll, Wilhelm. (See Masing, G. and Kroll.)
- Kromer, Lester J., Akron, Ohio. Cutting tool. 1,960,676; May 29.
- Kron Co., The. (See Fredd, Leroy N., assignor.)
- Kron, Leonard C. (See Simon, A. W., Kron, and Raymond.)
- Kronberg, Kristian, and B. P. Finkbone, assignors to The American Rolling Mill Company, Middletown, Ohio. Cooling device. 1,954,388; Apr. 10.
- Kronenberg, Rudolf, Haus Kronenberg, Germany. Measuring apparatus for rolled material. 1,984,837; Dec. 18.
- Kronenberger, Ferdinand, Brooklyn, N. Y. Molded pulp article. 1,956,955; May 1.
- Kröner, Gerhard, and P. Diltthey, Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purifying soot. 1,945,907; Feb. 6.
- Kronman Joel, New York, N. Y. Container closure. Des. 92,359; May 29.
- Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Positive revoker for multicolor weft replenishing looms. 1,961,052; May 29.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for shaping can bodies into cylindrical form. 1,966,349; July 10.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Dispensing funnel for containers. 1,966,350; July 10.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Freezing food products in metal containers. 1,975,009; Sept. 25.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for printing descriptive matter on can ends. 1,975,010; Sept. 25.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Tool for forming a dispensing opening in the end wall of a sealed container. 1,985,862; Dec. 25.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Manually operated key attaching means. 1,985,863; Dec. 25.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for attaching keys to containers. 1,985,864; Dec. 25.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Can opening and spout forming device. 1,985,865; Dec. 25.
- Kronquest, Alfred L. and M. M. Sedwick, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Machine for changing flat can bodies into cylindrical form. 1,959,369; May 22.
- Kronquest, Alfred L., Syracuse, N. Y., and R. B. McKinis, Pittsburgh, Pa., assignors to Continental Can Company, Inc., New York, N. Y. Machine for treating filled containers preparatory to sealing the same. 1,975,011; Sept. 25.
- Kronschabl, Johann, assignor of part interest to A. Boettger, Munich, Germany. Photographic dark slide device. 1,944,561; Jan. 23.
- Kronstadt, Max, Brooklyn, N. Y. Finger ring or similar article. Des. 91,353; Jan. 16.
- Kronstein, Abraham, Karlsruhe, assignor to the firm Electra-Lackwerke G. m. b. H. System Dr. Kronstein, Karlsruhe, Germany. Manufacture of insulating material. 1,944,562; Jan. 23.
- Kropff, Wilhelm, Berlin-Charlottenburg, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,977,069; Oct. 16.
- Kropiwnicki, Edmund, Warsaw, Poland. Coal distillation apparatus. 1,964,639; June 26.
- Kropp, Clayton L., assignor to The Ohio Carbon Company, Cleveland, Ohio. Absorbent briquette. 1,966,553; July 17.
- Kropp, Walter, and L. Taub, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. N-alkylated derivatives of barbituric acid. 1,947,944; Feb. 20.
- Krosman, Laurie E., Scio, Oreg. Wire splicer. 1,969,616; Aug. 7.
- Krosuey, Isidor, Brooklyn, N. Y., assignor to Oxford Pants Co., Inc. Garment. Des. 92,183; May 8.
- Krosse, John O. (See Bates, W. C., and Krosse.)
- Kroto, George, New Rochelle, N. Y. Tongs. 1,980,759; Nov. 13.
- Kroupsky, George, et al. (See Bodenschatz, August, assignor.)
- Krouse, Thomas J., Philadelphia, Pa. Alarm system. 1,975,513; Oct. 2.
- Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Air-conditioning cabinet or similar article. Des. 91,394; Jan. 23.
- Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Air-conditioning cabinet or similar article. Des. 91,395; Jan. 23.
- Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator cabinet or similar article. Des. 91,527; Feb. 20.
- Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Door latch. Des. 93,484; Oct. 2.
- Kruckenberg, Frans, et al. (See Barske, Ulrich, assignor.)
- Kruckenberg, Franz, and C. Stedefeld, Hanover, Germany. Vehicle roller mounting. 1,973,816; Sept. 18.
- Kruckenberg, Franz, C. Stedefeld, and W. Black, Hanover, Germany, said Black assignor to said Kruckenberg and said Stedefeld. Cross swinging axle for railway vehicles. 1,954,705; Apr. 10.
- Krueger, Arthur H., Ironwood, Mich. Furnace flue cleaner. 1,974,029; Sept. 18.
- Krueger, Edwin W., Portland, Oreg. Toothbrush. 1,973,212; Sept. 11.
- Krueger, Elmer R., Indianapolis, Ind. Handle reenforcing cup. 1,985,375; Dec. 25.
- Krueger, Emil M., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Strainer trap. 1,961,498; June 5.
- Krueger, Frank, assignor to E. W. Bliss Company, Brooklyn, N. Y. Can head feeder for can body making machines. 1,962,645; June 12.
- Krueger, Frank, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for forming smoothly rounded can bodies. 1,985,039; Dec. 18.
- Krueger, Herbert H. (See Hofmann, Edmund, assignor.)
- Krueger, John C., assignor of one-half to C. W. Greenlee, Port Angeles, Wash. Terminal clamp. 1,945,437; Jan. 30.
- Krueger, Otto J. (See McEachron, E. J., Johnson, Jensen, Ruhoff, Schroeder, and Krueger.)
- Krueger, Theodore H., Derby, Conn. Tape serving machine. 1,960,945; May 29.
- Krueger, Theodore H., Stratford, Conn. Tape serving machine. 1,962,720; June 12.
- Krueger, Theodore H., Stratford, Conn. Strip feeding device. 1,962,721; June 12.
- Krueger, Theodore H., New York, N. Y. Moistener for gummed tape and label machines. 1,962,722; June 12.
- Krueger, Theodore H., Derby, assignor to Better Packages, Incorporated, Shelton, Conn. Gum tape serving device. 1,967,578; July 24.
- Krueger, Theodore H., Derby, assignor to Better Packages, Incorporated, Shelton, Conn. Machine for dispensing tape of channel shape. 1,967,579; July 24.
- Krueger, William E., and H. M. Hodge, Detroit, Mich. Marking implement. 1,957,545; May 8.
- Kruesi, Geoffrey G., New York, N. Y., assignor to Federal Telegraph Company, Palo Alto, Calif. Directional radio beam system. 1,944,563; Jan. 23.
- Kruesi, Geoffrey G., Alhambra, and G. Fisher, Los Angeles, Calif., assignors, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Directional radio-receiver. 1,955,505; Apr. 17.
- Krug, Emil, L. H. Cool, and C. A. Baln, Modesto, Calif., assignors to The Borden Company, New York, N. Y. Vacuum breaker for can making machines. 1,953,761; Apr. 3.
- Krug, George C. (See Jones, D. O., and Krug.)
- Krug, Harold F., Grosse Pointe Park, Mich. Combined velocipede, cart, and tractor-trailer. 1,954,179; Apr. 10.
- Krug, Ira R., assignor of forty-five one-hundredths to C. E. Beatty and ten one-hundredths to M. M. Krug, Philadelphia, Pa. Tenting device. 1,984,377; Dec. 18.
- Krug, Mildred M., et al. (See Krug, Ira R., assignor.)
- Krug, Philip P. (See Barraja-Frauenfelder, J., Magee, Thomas, and Krug.)
- Krüger, Fritz, assignor to Zellstoffabrik Waldhof, Mannheim-Waldhof, Germany. Cellulose digester. 1,943,221; Jan. 9.
- Kruger, Guss O., Madison, S. Dak. Silo door structure. 1,962,278; June 12.
- Krüger, Hermann F., Hamburg, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine for rejecting one-card groups. 1,965,978; July 10.

- Kruger, I., A/S. (See Krogh-Lund, Aage T., assignor.)
 Kruger, Isidor, Newton, Mass. Flock-applying machine. 1,953,552; Apr. 17.
- Kruglick, Harry. (See Nudelman, C. S., and Kruglick.)
- Krum, Henry, G. Preall, and J. H. Chambers, Fresno, Calif., assignors to said J. H. Chambers. Fruit slicing machine. Re19,127; Apr. 3.
- Krum, Henry, Fresno, G. Preall, Fowler, and J. H. Chambers, assignors to said J. H. Chambers, Fresno, Calif. Fig slicing machine. 1,962,779; June 12.
- Krum, Howard L. (See Morton, S., and Krum.)
- Krum, Howard L. (See Morton, S., Krum, and Kleinschmidt.)
- Krum, Howard L., Kenilworth, and A. H. Reiber, Evanston, assignors to Teletype Corporation, Chicago, Ill. Motor control for printing telegraph. 1,972,303; Sept. 4.
- Krumbiegel, Hans, New York, N. Y. Moisture dispensing mustard container. Des. 92,541; June 19.
- Krupnick, Lee R., and E. F. McBroom, Tulsa, Okla. Camera flash light attachment. 1,954,673; Apr. 10.
- Krupp, Fried., Aktiengesellschaft. (See Breitling, Ernst, assignor.)
- Krupp, Fried., Aktiengesellschaft. (See Moers, K., Schroeter, and Wolf, assignors.)
- Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Holzappel, Karl E. E., assignor.)
- Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Johannsen, Friedrich, assignor.)
- Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Johannsen, F., and Leysner, assignors.)
- Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Kroepfle, Wilhelm, assignor.)
- Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Resow, Heinrich.)
- Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Schranz, H., and Klose, assignors.)
- Krupp, Leo A. (See Heinisch, G., and Krupp.)
- Kruschwitz, William F., Methuen, Mass. Laundry bag holding means. 1,962,661; June 12.
- Kruse, Arthur. (See Kay, R., and Kruse.)
- Kruse, Edward H., assignor of one-half to P. Dole, Fort Wayne, Ind. Surgical instrument. 1,977,282; Oct. 16.
- Kruse, Frederick C., Seattle, Wash. Water closet. 1,973,349; Sept. 11.
- Kruse, Hermann H. J., Hemelingen, near Bremen, Germany, assignor to No-Nail Cases Proprietary Limited, London England. Binding strip for use in the construction of cases, boxes, crates, or the like containers of timber or the like. 1,960,638; May 29.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Internal seam soldering machine. 1,969,803; Aug. 14.
- Kruth, Frank, administrator. (See Star, Richard.)
- Kruth, Frank, administrator. (See Star, Richard, assignor.)
- Krutzsch, Johannes. (See Brion, G., and Krutzsch.)
- Kryzer, Benjamin H., Pine City, Minn. Automatic starter. 1,979,836; Nov. 6.
- Krzeminski, Bronislaw, Los Angeles, Calif. Geographical clock. 1,959,831; May 22.
- Krzikalla, Hans. (See Lange, F., and Krzikalla.)
- Krzikalla, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Chromium compound of azo dyestuffs. 1,951,830; Mar. 20.
- Krzikalla, Hans, Ludwigshafen-on-the-Rhine, and A. Kirsch, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 1,958,758; May 15.
- Krzikalla, Hans, Ludwigshafen-on-the-Rhine, A. Koch, Niederhausen-in-Taunus, and W. Scheurer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Coloring rubber. 1,962,511; June 12.
- Kubaugh, Benjamin F., assignor to Henry Vogt Machine Co., Louisville, Ky. Coil type evaporator for refrigerating tanks. 1,952,553; Mar. 27.
- Kubelka, Paul, Prague, Czechoslovakia, and W. Schneider, Karlsruhe, Germany. Making alkali metal nitrates. 1,978,751; Oct. 30.
- Kubelus, Joseph G., Jessup, Pa. Valve actuating unit. 1,974,030; Sept. 18.
- Kubes, John F., assignor to American Wood Products Corporation, Cleveland, Ohio. Shipping crate. 1,956,768; May 1.
- Kubin, Frank, Wauwatosa, Wis. Transfer and preparing and applying designs. 1,946,865; Feb. 13.
- Kubin, Frank, Wauwatosa, Wis. Transfer. 1,958,792; May 15.
- Kübler, Carl, Berlin, Germany. Pocket calculating machine. 1,961,053; May 29.
- Kubler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric current rectifying system. 1,951,575; Mar. 20.
- Kübler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rectifier transformer. 1,964,521; June 26.
- Kubler, Johannes, and J. Jonas, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rectifier. 1,969,668; Aug. 7.
- Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Cup feed machine. 1,962,019; June 5.
- Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Folder mounting for sewing machines. 1,984,587; Dec. 18.
- Kuchar, Joseph, assignor to Forged-Trak Co., Chicago, Ill. Track for tracklaying wheels. 1,946,798; Feb. 13.
- Kuchar, Joseph, assignor to Forged-Trak Co., Chicago, Ill. Track for track laying wheels. 1,946,799; Feb. 13.
- Kuchar, Joseph, assignor to Athey Truss Wheel Co., Chicago, Ill. Latching device for trailers. 1,953,762; Apr. 3.
- Kucharski, Stanislaus, Berlin-Charlottenburg, Germany. Device for taking photographs in series. 1,946,323; Feb. 6.
- Kuchas, Francis, Winfield, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse testing device. 1,976,503; Oct. 9.
- Küchenmeister, Heinrich, Berlin, Germany. Sound reproducing apparatus. 1,952,809; Mar. 27.
- Küchler, Franz A., Frankenhäusen-Gosel, Germany. Distributor for finely divided material. 1,948,668; Feb. 27.
- Kuckhoff, John C., Syracuse, N. Y. Self closing gate faucet. 1,977,234; Oct. 16.
- Kuckro, William, St. Albans, assignor to El Glykol Waterproofing & Construction Corporation, New York, N. Y. Waterproofing compound and paint vehicle. 1,965,042; July 3.
- Kuebler, John M., Wausau, Wis. Weather strip. 1,950,615; Mar. 13.
- Kuechenmeister, Arthur, St. Louis, Mo. Ruler. 1,984,273; Dec. 11.
- Kuehn, Erich. (See Hopff, H., and Kuehn.)
- Kuehn, George F., Jackson Heights, and G. A. Richroath, Brooklyn, assignors to Eisemann Magneto Corporation, New York, N. Y. Dust seal. 1,950,852; Mar. 13.
- Kuehn, Lawrence J., Milwaukee, Wis. Bifocal lens. 1,982,310; Nov. 27.
- Kuehni, Hans P. (See Foust, C. M., and Kuehni.)
- Kuenhold, Otto J., Cleveland, Ohio. Knockdown receptacles. 1,975,900; Oct. 9.
- Kuenhold, Otto J., Cleveland, Ohio, assignor to H. M. Sheer Company, Quincy, Ill. Thermally actuated regulator for heaters. 1,966,098; July 10.
- Kuenhold, Otto J., Shaker Heights, assignor to The Forest City Foundries Company, Cleveland, Ohio. Furnace structure. 1,984,933; Dec. 18.
- Kuenstler, Walter E., Grantwood, N. J. Radiator. 1,975,957; Oct. 9.
- Kuenzli, Walter A., and C. E. Ploeger, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Defroster. 1,950,115; Mar. 6.
- Kneppers, Fred, Chicago, Ill. Automatic shutter signal for cameras. 1,948,039; Feb. 20.
- Kuesthardt, Edgar L., Toledo, Ohio. Toy aeroplane hangar. Des. 92,476; June 12.
- Kufferath, Josef. (See Bergerhausen, P., and Kufferath.)
- Kugler, Karl. (See Kleinschmit, O., and Kugler.)
- Kuhbier, Fritz. (See Traube, W., and Kuhbier.)
- Kuhl, Paul E. (See Nichols, H. J., jr., and Kuhl.)
- Kuhle, Jack E., Chicago, Ill. Brake-shoe adjusting gauge. 1,965,843; July 10.
- Kuhlschmidt, Roberto. (See Raffo, R., and Kuhlschmidt.)
- Kuhlke, Otto J., assignor to National Rubber Machinery Company, Akron, Ohio. Making molds. 1,944,744; Jan. 23.
- Kuhlman, Edward H., assignor to The National Cash Register Company, Dayton, Ohio. Welding process. 1,973,986; Sept. 18.
- Kuhlman Electric Company. (See Gakle, W. F., Goss, and Kollinger, assignors.)
- Kuhlman Electric Company. (See Kollinger, Henry F., assignor.)
- Kuhlman, Leo G., Covington, and D. T. Wadsworth, Cold Springs, assignors to The Wadsworth Electric Manufacturing Company, Covington, Ky. Switch cabinet with movable fuse hopper. 1,949,748; Mar. 6.
- Kuhlmann, August M., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Refining alloys. 1,982,959; Dec. 4.
- Kuhlmann, Hermann and H. A., Berlin, Germany. Palate plate. 1,966,763; July 17.
- Kuhlmann, Hermann A. (See Kuhlmann, Hermann and H. A.)
- Kühn, Albert. (See Chericco, F. V., and Kühn.)
- Kuhn, Anthony, New York, N. Y., and C. H. Heitman, Bergen County; said Heitman assignor to A. D. Reid, Weehawken, N. J. Vending device. 1,981,272; Nov. 20.
- Kuhn, Clarence W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Contact holder for electric switches. 1,967,890; July 24.
- Kuhn, Clarence W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric control device. 1,981,555; Nov. 20.
- Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Toaster. 1,949,124; Feb. 27.
- Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Soldering iron. 1,962,688; June 12.
- Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electric iron. 1,976,787; Oct. 16.
- Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. 1,985,100; Dec. 18.
- Kuhn, George, Takoma Park, Md. Land anchor. 1,960,639; May 29.

- Kuhn, George, Takoma Park, Md., and V. A. Grodsky, Washington, D. C. Washing machine. 1,981,456; Nov. 20.
- Kuhn, Helen L. S., Venice, Calif. Garment folding. 1,966,680; July 17.
- Kuhn, John G., Sewell, N. J. Head for packing apparatus. 1,953,861; Apr. 3.
- Kuhn, John G., Sewell, N. J. Packing fruit and vegetable. 1,958,516; May 15.
- Kuhn, John J., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and system for testing multichannel electrical circuits. 1,961,367; June 5.
- Kuhn, Lee B., Brooklyn, N. Y. Paper sheet. 1,963,994; July 3.
- Kühn, Martin. (See Goth, E., Kayser, and Kühn.)
- Kühn, Paul, Niederschelden-on-the-Sieg, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Düsseldorf, Germany. Steel and its production. 1,979,629; Nov. 6.
- Kühne, Konrad, Jena, assignor to firm Carl Zeiss, Jena, Germany. Instrument for determining the diameter of bodies with curved surfaces. 1,959,537; May 22.
- Kühnel, Carl. (See Scholl, P., and Kühnel.)
- Kühnel, Carl, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Vacuum cleaning device. 1,984,191; Dec. 11.
- Kuhnen, Hermann, Berlin, Germany. Removable wheel for motor and other vehicles. 1,974,746; Sept. 25.
- Kuhner, Henry C., assignor to Kuhner Packing Company, Muncie, Ind. Meat bar. 1,956,239; Apr. 24.
- Kuhner, Max H., Cornwells Heights, Pa., assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Air seal for boiler drums. 1,944,350; Jan. 23.
- Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Method and apparatus for generating steam. 1,963,524; June 19.
- Kuhner Packing Company. (See Kuhner, Henry C., assignor.)
- Kuhnert, Walter A., Los Angeles, Calif. Treating brine containing soluble silica. 1,964,161; June 26.
- Kuhns, Austin, assignor to Farrell-Birmingham Company, Inc., Buffalo, N. Y. Coupling for rotatable elements. 1,978,209; Oct. 23.
- Kuhns, David E., Chicago, Ill. Toy. 1,966,895; July 17.
- Kuhr, Albert, Goeppingen, assignor to the firm Alpine Aktiengesellschaft, Eisengleiserei und Maschinenfabrik, Augsburg in Bayern, Germany. Separator. 1,963,469; June 19.
- Kuhrmann, Friedrich, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing perylene. 1,977,768; Oct. 23.
- Kuhrmann, Friedrich, and O. Siebert, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Fluorescent hydrocarbon. 1,962,564; June 12.
- Kuhrts, George J., Jr. (See Totman, F. B., and Morris, assignors.)
- Kulander, Anna, Detroit, Mich. Food wrapper. Des. 92,257; May 15.
- Kulander, Anna, Detroit, Mich. Food wrapper. Des. 92,258; May 15.
- Kulander, Anna, Detroit, Mich. Food wrapper. Des. 92,259; May 15.
- Kulefsky, Nate, Chicago, Ill. Window sash stop. 1,950,251; Mar. 6.
- Kulhawy, Emil, Union City, N. J. Clothesline clamp. 1,950,895; Mar. 13.
- Kulick, Edward L., Milwaukee, Wis., assignor of one-half to C. M. Farrell, Chicago, Ill. Automobile lock. 1,974,495; Sept. 25.
- Kulicke, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to The Electrolock Manufacturing Company, Vicksburg, Miss. Lock. 1,948,765; Feb. 27.
- Kulicke, Frederick W., assignor to Mitchell Specialty Company, Philadelphia, Pa. Register. 1,968,560; July 31.
- Kull, Walter A., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Horn button mounting. 1,967,030; July 17.
- Kulp, Albert C., assignor of one-third to L. J. Higgins, Chicago, Ill. Curtain stretcher. 1,942,821; Jan. 9.
- Kulp, Harry W. (See Dellinger, Martin C., assignor.)
- Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Device for use in grinding valves. 1,951,796; Mar. 20.
- Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Tool for extracting king-pins. 1,956,924; May 1.
- Kulp, Harry W., and M. C. Dellinger, assignors to K-D Manufacturing Company, Lancaster, Pa. Valve grinding tool. 1,971,530; Aug. 28.
- Kulpinski, Leo, Wausau, assignor to The Menasha Products Company, Menasha, Wis. Carton. 1,941,843; Jan. 2.
- Kulpinski, Leo, Wausau, assignor to Marathon Paper Mills Company, Rothschild, Wis. Leakproof carton. 1,973,633; Sept. 11.
- Kuluris, Tom J., Cleveland, Ohio. Secured match vault. 1,975,276; Oct. 2.
- Kuly, Paul J., Mundare, Alberta, Canada. Weed destroyer. 1,954,593; Apr. 10.
- Kumfitted Garments, Inc. (See Rieffannacht, Maud L., assignor.)
- Kumle, Theodor, Stockholm, Sweden. Keyboard bottom. 1,958,920; May 15.
- Kummerer, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for quartz oscillators. 1,946,698; Feb. 13.
- Kummerer, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter. 1,982,916; Dec. 4.
- Kümmich, Theodor, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Berlin, Germany. Change speed gear. 1,968,527; July 31.
- Kumpman, Daniel F. and J. E., Dover, N. J. Hot and cold water mixing valve. 1,945,645; Feb. 6.
- Kumpman, Daniel F. and J. E., Dover, N. J. Hot and cold water mixing valve. 1,945,646; Feb. 6.
- Kumpman, John E. (See Kumpman, Daniel F. and J. E.)
- Kumpmann, Emil. (See Wallmann, C., Halbrock, and Kumpmann.)
- Kunath, Fred W. (See Halsey, C. W., and Kunath.)
- Kunath, Rudolf, Berlin-Tempelhof, Germany, assignor to General Electric Company. Method of and apparatus for feeding filaments. 1,962,902; June 12.
- Kunberger, Albert F., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Making low-gravity gas. 1,971,721; Aug. 28.
- Kundebagian, Nazaret, Philadelphia, Pa. Scraper. 1,978,091; Oct. 23.
- Kunder, Robert J., Elkhart County, Ind. Combined row maker and coverer. 1,944,939 Jan. 30.
- Kundert, Jean G., assignor to Heberlein & Co. A. G., Wattwil, Switzerland. Printing animal fibers and product therefrom. 1,962,601; June 12.
- Kuney, Fred S., Adrian, Mich. assignor to American Cable Company, Inc. Flexible shafting and making same. 1,970,702; Aug. 21.
- Kunkel, Charles A., Cincinnati, Ohio. Device for grooving tires. 1,961,499; June 5.
- Kunkel, Joseph W., Cincinnati, Ohio. Clod breaker. 1,978,313; Oct. 23.
- Kuno, Shichigoro, Ogden, Utah. Electric flatiron and attachment therefor. 1,954,594; Apr. 10.
- Kuns, Ray F., Madisonville, Ohio. Retractable wheel carrier-jack. 1,956,688; May 1.
- Kunst, Ludwig, Berlin, Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Joint for oil-filled cables. 1,956,723; May 1.
- Kunstdunger-Patent-Verwertungs Aktiengesellschaft. (See Larsson, Markus, assignor.)
- Kuntke, Alfred. (See Mulder, J. G. W., and Kuntke.)
- Kuntke, Alfred, Eindhoven, Netherlands, assignor to C. H. F. Muller Aktiengesellschaft, Hamburg, Germany. High tension switch. 1,946,324; Feb. 6.
- Kuntke, Alfred, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Incandescent cathode discharge tube having a gaseous filling. 1,963,051; June 12.
- Kuntny, Gregor W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Control apparatus. 1,979,330; Nov. 6.
- Kuntz, Frank A., Woodhaven, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth. 1,979,072; Oct. 30.
- Kuntz, William J., York, Pa. Treating lime. 1,954,211; Apr. 10.
- Kunz, Arno C. (See Wright, Malcolm W., assignor, and J. F. Wright.)
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen derivatives of isodibenzopyrenequinones. 1,942,761; Jan. 9.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the dipyrazol-anthrone series. 1,948,178; Feb. 20.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Bromination products of the dibenzanthrone series. 1,949,209; Feb. 27.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the dibenzopyrenequinone series. 1,952,677; Mar. 27.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the anthraquinone series. 1,952,678; Mar. 27.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Chlorinated dibenzanthrones. 1,953,415; Apr. 3.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen-benzanthrone and making same. 1,955,135; Apr. 17.
- Kunz, Max A., Mannheim, G. Kränzlein, Frankfurt-Hochst-on-the-Main, K. Koeberle, Ludwigshafen-on-the-Rhine, M. Corell, Frankfurt-Hochst-on-the-Main, E. Berthold, Ludwigshafen-on-the-Rhine, and H. Vollmann, Frankfurt-Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the dibenzopyrenequinone series. 1,957,892; May 8.
- Kunz, Max A., Mannheim, G. Kränzlein, Frankfurt-Hochst-on-the-Main, K. Koeberle, Ludwigshafen-on-the-Rhine, M. Corell, Frankfurt-Hochst-on-the-Main, E. Berthold, Ludwigshafen-on-the-Rhine, and H. Vollmann, Frankfurt-Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the dibenzopyrenequinone series. 1,959,679; May 22.

- Kunz, Max A., Mannheim, and K. Koeberle and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated dibenzanthrones. 1,960,540; May 29.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of nitrogenous vat dyestuffs. 1,967,363; July 24.
- Kunz, Max A., Mannheim, and K. Koeberle and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenanthraquinonebenzocridones. 1,967,364; July 24.
- Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dehalogenation of cyclic halogen compounds. 1,973,003; Sept. 11.
- Kunz, Max A., Mannheim, and G. Kochendoerfer and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Mono and dipyrindino quinone compounds and their production. 1,978,540; Oct. 30.
- Kunz, Max A., Mannheim, K. Koeberle, and G. Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of valuable compounds of the anthracene series. 1,982,311; Nov. 27.
- Kunz, Max A., Mannheim, K. Koeberle, and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated dibenzanthrone. 1,982,312; Nov. 27.
- Kunz, Max A., Mannheim, and K. Koeberle and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated dibenzanthrones. 1,982,313; Nov. 27.
- Kunz, William R., Springfield, Mass. Shade operating device for motor vehicles. 1,952,992; Mar. 27.
- Kunz, William R., Springfield, Mass. Windshield wiper. 1,977,188; Oct. 16.
- Kunze, Guenther. (See Franzen, H., and Kunze.)
- Kunzelman, John R., Stillwater, Minn., assignor of one-eighth to E. Koeln, and five-eighths to S. M. Dodd, St. Louis, Mo. Gravity hinge. 1,942,715; Jan. 9.
- Küpfmüller, Karl, Berlin-Friedenau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Pupin cable for simultaneous low frequency and carrier frequency telephony. 1,950,184; Mar. 6.
- Küppenbender, Heinz, and K. Hoffmann, Dresden, Germany. Cinematographic apparatus. 1,956,391; Apr. 24.
- Küppenbender, Heinz, M. Nowicki, E. Goldberg, and A. Mende, Dresden, Germany. Photographic camera with finder. 1,973,213; Sept. 11.
- Küppenbender, Heinz, and M. Nowicki, assignors to Zeiss Ikon A.-G. Dresden, Germany. Distance meter and finder for photographic cameras. 1,964,883; July 3.
- Kuppersmith, Fred W., Bloomington, Ill. Quick-clamping box type jig. 1,946,587; Feb. 13.
- Kurath, Franz, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Preparing phenol-furfural condensation products. 1,969,890; Aug. 14.
- Kurkchee, David, Schenectady, N. Y. Bed. Re19,272; Aug. 14.
- Kurlan, Sidney, Rochester, N. Y. Shoe last and manufacturing the same. 1,967,148; July 17.
- Kurlash Company, The. (See Tuttle, W. R., and Stickel, assignors.)
- Kurnick, Abraham, assignor of one-half to M. Mackler, Brooklyn, N. Y. Camera gun. 1,955,300; Apr. 17.
- Kurowski, Alfred G. F., Brooklyn, assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,948,722; Feb. 27.
- Kurowski, Alfred G. F., Brooklyn, assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,968,894; Aug. 7.
- Kurth, Franz J., Cologne-Dellbrück, Germany. Flame extinguisher. 1,978,678; Oct. 30.
- Kurth, Franz J., Cologne-Dellbrück, Germany. Ventilating device. 1,982,747; Dec. 4.
- Kurth, Franz J., London, England, and J. Sassenberg, Cologne, Germany; said Sassenberg assignor to said Kurth. Air or gas distributing device. 1,973,490; Sept. 11.
- Kurth, Fred, Bakersfield, Calif. Storage battery. 1,966,726 July 17.
- Kurth, Herman, Newark, N. J. Machine for delivering sheets from a stack. 1,976,788; Oct. 16.
- Kurth, Matthew G., Madison, Wis. Piston and packing ring. 1,965,417; July 3.
- Kurtz, Cyrus B., Lakewood, Ohio. Lamp. 1,958,627; May 15.
- Kurtz, Robert B., Philadelphia, Pa. Surgical instrument. 1,973,569; Sept. 11.
- Kurtz, Thomas N. (See Jung, Philp H., assignor.)
- Kury, Philip J. (See Brewer, C. A., and Kury.)
- Kurz, Hans, and K. Albert, Vienna, Austria. Intaglio printing ink. 1,962,823; June 12.
- Kurz, Juliet D., Dayton, Ohio. Shaker. 1,969,486; Aug. 7.
- Kurz-Kasch Company, The. (See Kasch, Henry J., assignor.)
- Kurzenberger, Paul. (See Daimler, K., and Kurzenberger.)
- Kuschel, Clarence H., assignor to Bridge Manufacturing Company, Detroit, Mich. Front end construction. 1,968,299; July 31.
- Kushinsky, Arthur W. (See Coombs, L. W., and Kushinsky.)
- Kusse, Frederick C., Chicago, Ill. Aircraft control. 1,955,921; Apr. 24.
- Kussmaul, Walter. (See Stoll, A., Binkert, and Kussmaul.)
- Kuszmaul, Robert P., Indianapolis, Ind. Latch. 1,964,066; June 26.
- Kutaszewicz, EugenJusz, Pultusk, Poland. Grinding machine for all kinds of materials. 1,963,204; June 19.
- Kutcher, Adolf, Bismarck, N. Dak. Overshoe for skates. 1,982,524; Nov. 27.
- Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Clutch. 1,949,053; Feb. 27.
- Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 1,964,291; June 26.
- Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 1,969,140; Aug. 7.
- Kutter, Leopold, Vienna, Austria. Fountain penholder. 1,964,125; June 26.
- Kutter, Leopold, assignor to M. Brems, Vienna, Austria. Holder for toilet sticks or the like. 1,978,541; Oct. 30.
- Kuttner, Julius, Long Island City, N. Y., assignor to Omo Aktiengesellschaft, Zurich, Switzerland. Controlling device for engines. 1,981,734; Nov. 20.
- Kuwada, Gompel, Komedani Mura, Japan. Pressed metal spinning ring holder. 1,960,783; May 29.
- Kuwada, Gompel, Komedani-Mura, Japan. Spinning ring. 1,960,784; May 29.
- Kuyk, Egbert, assignor to Werkspoor N. V., Amsterdam, Netherlands. Actuating mechanism for bascule bridges. 1,974,114; Sept. 18.
- Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Venetian blind construction. 1,957,272; May 1.
- Kuzelewski, Albert R., assignor to American Engineering Company, Philadelphia, Pa. Multistage reversible variable discharge pump. 1,947,050; Feb. 13.
- Kuzelewski, Albert R., assignor to American Engineering Company, Philadelphia, Pa. Hydraulic transmission. 1,947,051; Feb. 13.
- Kuzell, Charles R., Clarkdale, Ariz. Treatment of sulphide ores. 1,976,735; Oct. 16.
- Kuzell, Charles R., Clarkdale, Ariz. Recovery of sulphur from sulphide ores. 1,976,736; Oct. 16.
- Kuzell, Charles R., assignor to United Verde Copper Company, Clarkdale, Ariz. Metallurgical apparatus. 1,941,606; Jan. 2.
- Kuzovnikoff, Ignatie I., Washington, D. C. Nut and bolt lock. 1,966,015; July 10.
- Kylberg, Folke, assignor to Aktiebolaget Tonsor, Gottenborg, Sweden. Machine for making razor blades. 1,957,602; May 8.
- Kyle, Joseph L., Glendale, Long Island, N. Y., assignor to Whittenton Manufacturing Company, Boston, Mass. Blanket. Des. 91,488; Feb. 13.
- Kyle, Raymond A., Breese, Ill. Motor vehicle ventilator. 1,975,958; Oct. 9.
- Kyle, Raymond A., Breese, Ill. Automatic and manually controlled cam and lever actuated disk clutch. 1,982,006; Nov. 27.
- Kyle, William D. (See Steinmayer, A. G., and Kyle.)
- Kyle, William D., Milwaukee, assignor, by mesne assignments to The Material Company, South Milwaukee, Wis. Insulator. 1,950,616; Mar. 13.
- Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse structure. 1,983,859; Dec. 11.
- Kyle, William D., and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Socket extension adapter. 1,980,488; Nov. 13.
- Kylén, Karl E., assignor to Aktiebolaget Svenska Kulagerfabriken, Gottenborg, Sweden. Bond for built-up crank shafts. 1,974,617; Sept. 25.
- Kylstra, John, et al. (See Monteith, C. N., Minshall, and Kylstra.)
- Kynes Company. (See Simning, Roy B., assignor.)
- Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Producing isoviolanthrone. 1,947,858; Feb. 20.
- Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Triaryl-methane dyestuff. 1,970,607; Aug. 21.
- Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Intermediates for rhodamine dyestuffs. 1,981,515; Nov. 20.
- Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Intermediates for secondary alkylated rhodamine dyes. 1,981,516; Nov. 20.
- Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of dicarboxylic acid chlorides. 1,951,364; Mar. 20.
- Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of aromatic dicarboxylic acid chlorides. 1,963,749; June 19.
- Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Ester of hydroxybenzoic acid. 1,979,559; Nov. 6.
- Kyrides, Lucas P., St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of aromatic acid chlorides. 1,963,748; June 19.
- Kyrides, Lucas P., St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacturing aromatic carboxylic acids. 1,968,300; July 31.

- Kyrides, Lucas P., St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Octoic acid derivatives of phenols. 1,974,821; Sept. 25.
- Kyte, John H., Fanwood, N. J., assignor to Swedish Iron & Steel Corporation, New York, N. Y. Carbonizing ferrous metal. 1,950,116; Mar. 6.
- Kyte, Walter H., Wilkes-Barre, Pa., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Door controlling means for school wardrobes. 1,962,094; June 5.
- L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)
- L. G. S. Devices Corporation. (See Barton, Clarence H., assignor.)
- L. G. S. Devices Corporation. (See Barton, C. H., and Drexler, assignors.)
- L. G. S. Devices Corporation. (See Brownlee, Dalmar T., assignor.)
- L. G. S. Devices Corporation. (See Drexler, Charles, assignor.)
- L. G. S. Devices Corporation. (See Furgason, Claude E., assignor.)
- L. G. S. Devices Corporation. (See Isham, William J., assignor.)
- L. G. S. Devices Corporation. (See Starkey, William C., assignor.)
- L. N. S. Corporation. (See Goss, Harry T., assignor.)
- Laabs, Eric H., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Power transmission mechanism. 1,951,875; Mar. 20.
- Laabs, William, Racine, Wis., assignor, by mesne assignments, to Packers Equipment Development Company, Chicago, Ill. Rendering fatty materials. 1,950,360; Mar. 6.
- Laas, Louis A. (See Conrads, H., and Laas.)
- Labadie, Harry H., Chicago, and B. B. Beers, Park Ridge, Ill. Brief and sample case. 1,947,718; Feb. 20.
- La Bar, Bert G. (See Bradshaw, W. M., Mylius, and La Bar.)
- Labarthe, Jules, jr., and D. K. Tressler, Pittsburgh, Pa., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Beeswax substitutes and preparing the same. 1,983,672; Dec. 11.
- Labaw, Le Roy H., Bellemead, N. J. Pump. 1,979,476; Nov. 6.
- Labbe, Armand L. (See Fleming, E. P., and Labbe.)
- Labbe, Paul A., West Springfield, Mass. Combined receptacle and tray. 1,941,558; Jan. 2.
- La Beila, Vincent, Brooklyn, N. Y. Vehicle signal. Des. 94,035; Dec. 11.
- La Bombard, Leon E., assignor to Oswego Falls Corporation, Fulton, N. Y. Paper container. 1,965,418; July 3.
- La Bombard, Leon E., and K. G. Quade, assignors to Oswego Falls Corporation, Fulton, N. Y. Bottle capping mechanism. 1,958,306; May 8.
- La Bombard, Leon E., Waltham, and M. H. Sidebotham, West Newton, assignors to Specialty Automatic Machine Co., Chelsea, Mass. Flat bed web printing press. 1,961,002; May 29.
- Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Stackers. 1,960,311; May 29.
- Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for making boxes. 1,972,021; Aug. 28.
- Labora, Pastor S., Cabanal-Valencia, Spain. Crane. 1,962,670; June 12.
- Laborda, Richard, Brooklyn, N. Y. Ladder. 1,946,747; Feb. 13.
- Laboulais, Jean. (See Kennedy, J. E., and Laboulais.)
- LaBour, Harry E., Elkhart, Ind. Pump. 1,966,896; July 17.
- La Bour, Harry E., Elkhart, Ind. Pump. 1,972,304; Sept. 4.
- La Brie, Howard M. (See Breakell, J., Thompson, and La Brie.)
- La Brie, Ludger E. (See Bendix, V., and La Brie.)
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,943,830; Jan. 16.
- La Brie, Ludger E., assignor to Bendix Brake Corporation, South Bend, Ind. Brake. 1,954,530; Apr. 10.
- La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,954,531; Apr. 10.
- La Brie, Ludger E., South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Wheel. 1,957,654; May 8.
- La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Internal combustion engine. 1,957,655; May 8.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,964,162; June 26.
- La Brie, Ludger A., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,964,163; June 26.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,411; July 24.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,412; July 24.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,413; July 24.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,414; July 24.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,971,861; Aug. 28.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,978,679; Oct. 30.
- Labrow, Schofield. (See Harrison, C. F. R., and Labrow.)
- Labus, John W., Schenectady, N. Y., assignor to General Electric Company. High frequency circuits. 1,955,553; Apr. 17.
- Labus, Otto A., Wisconsin Rapids, Wis. Treating vermiculite. 1,963,275; June 19.
- Lacassagne, Fernand C., New Orleans, La. Heavy fuel oil suction gas producer. 1,955,242; Apr. 17.
- La Casse, William J., assignor to Zenith Machine Company, Duluth, Minn. Water shed plate for clothes wringers. 1,957,603; May 8.
- Lacell, Maurice N. (See Jessup, A. C., and Lacell.)
- Lacell, Maurice N., Finchley, London, England. Production of metallic magnesium. 1,943,920; Jan. 16.
- Lacey, Wallace E., assignor of one-half to J. O'Neil, Portland, Ore. Cigarette forming device. 1,953,010; Mar. 27.
- La Chance, Leander H., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Hair clipper. 1,949,054; Feb. 24.
- La Chapelle, Edmond, Denver, Colo. Device for controlling the relative position of rotating elements. 1,954,323; Apr. 10.
- La Chapelle, Euclid I., Brockton, Mass. Channel closing and edge compacting machine. 1,966,727; July 17.
- La Chapelle, Euclid I., Brockton, Mass. Lasting machine. 1,977,132; Oct. 16.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,953,081; Apr. 3.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing shoes. 1,957,216; May 1.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe rest. 1,957,604; May 8.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,958,438; May 15.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of inserting fastenings. 1,963,169; June 19.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,973,718; Sept. 18.
- Lachapelle, René, Pointe-aux-Trembles, Quebec, Canada. Rotary internal combustion engine. 1,970,569; Aug. 21.
- Laché, Augustin, assignor to Société Anonyme Nouvelle Societe de Construction, late N. Schlumberger & Cie, Guebwiller, France. Split drum winding machine. 1,985,175; Dec. 18.
- Lacher, John, Omaha, Nebr. Closing means for collapsible tubes. 1,945,612; Feb. 6.
- Lacher, Ludwig, and Hans Niederreither, Munich, assignors to the firm Lawaczek Gesellschaft mit beschränkter Haftung in Liquidation, Berlin, Germany. Arrangement in multicell electrolyzers. 1,983,296; Dec. 4.
- Lacher, Samuel, New York, N. Y., assignor to K. Kaufmann & Co. Inc. Traveling bag. 1,983,763; Dec. 11.
- Lachman, Arthur, Berkeley, assignor to Vapor Treating Processes Inc., Los Angeles, Calif. Refining hydrocarbon oils. 1,945,114; Jan. 30.
- Lack, Arnold, Wilmette, and O. E. E. Stromberg, Chicago, Ill.; said Lack assignor to said Stromberg. Connecting rod. 1,954,138; Apr. 10.
- Lack, Arnold S., Beloit, Wis., assignor to Fairbanks, Morse & Co. Chicago, Ill. Power transmission coupling. 1,947,052; Feb. 13.
- Lack, Fred S., Paducah, Ky., assignor, by mesne assignments, to Tray Service Company, Dallas, Tex. Brace attachment for curb service trays. 1,944,745; Jan. 23.
- Lack, Fred S., Paducah, Ky., assignor, by mesne assignments, to Tray Service Company, Dallas, Tex. Tray. 1,952,377; Mar. 27.
- Lackawanna Manufacturing Company. (See Bergfels, William, assignor.)
- Lackey, Robert M., et al. (See Baker, Thomas F., assignor.)
- Lackey, Robert M. (See West, Merle J., assignor.)
- Lackey, Robert M., Cohoes, N. Y. Knocked down box. 1,983,700; Dec. 11.
- Lackinger, Frank P., McKees Rocks, Pa. Gear shifting mechanism. 1,975,795; Oct. 9.
- Lackner, Company, The. (See Lackner, George H., assignor.)
- Lackner, George H., assignor to The Lackner Company, Cincinnati, Ohio. Sign. 1,978,023; Oct. 23.
- Lackner, Ralph J., Brooklyn, N. Y. Cable clamp. 1,959,722; May 22.
- Lacks, Felix A., Pelham Manor, N. Y. Woman's bifurcated garment. Des. 92,477; June 12.
- La Clair, George A., Danielson, Conn. Fence. 1,985,322; Dec. 25.
- Lacoe, Ralph D., San Diego, Calif. Diesel type engine. 1,950,944; Mar. 13.
- La Croix, Louis E., Baltimore, Md. Safety appliance for automobiles. 1,974,922; Sept. 25.
- Lacto-Yeast Company, Inc. (See Owen, William L., assignor.)
- Lacy, Marmaduke J., jr., Mount Pleasant, Tenn. Ore washer. 1,972,195; Sept. 4.
- Lacy, Paul B., Covington, Va., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Continuous beater system. 1,958,855; May 15.

- Ladd, Edward T., Lewiston, assignor to Isco Chemical Company, Inc., Niagara Falls, N. Y. Making bleaching powder. 1,966,631; July 17.
- Ladd, Frank C., Turners Falls, Mass. Apparatus for drying paper. 1,949,125; Feb. 27.
- Ladd, John W. B. (See Parker, M., and Ladd.)
- Ladd, John W. B., Katonah, N. Y. Apparatus for making absorbent dental rolls. 1,942,654; Jan. 9.
- Ladd, Ollie. (See McCullon, Lawrence J., assignor.)
- Laddon, Isaac M., Buffalo, N. Y., assignor to Consolidated Aircraft Corporation. Patrol type of flying boat. Des. 92,912; July 31.
- Laddon, Isaac M., Buffalo, N. Y., assignor to Consolidated Aircraft Corporation. Flying boat. Des. 93,230; Sept. 4.
- Laddon, Isaac M., Buffalo, N. Y., assignor to Consolidated Aircraft Corporation. Patrol type of flying boat. Des. 93,231; Sept. 4.
- Lade, Archibald, Northampton, Mass. Calendaring machine. 1,973,690; Sept. 11.
- Ladensohn, S. H., et al. (See Day, Charles M., assignor.)
- Ladenson, E. C. (See Cox, John P., assignor.)
- Lado-Bordowsky, Jean, Boulogne-sur-Seine, France. Device combining lift, propulsion, and autopulsion for aircraft. 1,950,915; Mar. 13.
- Ladon, Aaron A., Lakewood, Ohio. Thermal insulation media. 1,983,617; Dec. 11.
- Ladrette, Jean, Peage-de-Roussillon, France, assignor to Du Pont Rayon Company, New York, N. Y. Solution and preparing same. 1,961,229; June 5.
- Ladrie, Joseph, Barre, Vt. Sand blast curtain. 1,964,920; July 3.
- La Duke, Louis M., assignor to Potter Manufacturing Company, Jackson, Mich. Metallic container. 1,984,934; Dec. 18.
- Ladwig, Harvey H., Chicago, Ill. Dental floss holder. 1,955,428; Apr. 17.
- Laemmel, Charles A., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Saw. 1,952,993; Mar. 27.
- Laemmel, Charles A., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Meat chopping machine. 1,971,491; Aug. 28.
- Laemmel, Charles A., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Meat saw. 1,972,566; Sept. 4.
- L'Aerotopographie. (See Duchatellier, Henry, assignor.)
- Laessaker, Fritz, Chemnitz, Germany. Mechanical infinitive variable speed transmission. 1,956,447; Apr. 24.
- Lafayette, Alphonse J., Jr., Pittsburgh, Kans. Coal pinning and breaking machine. 1,945,322; Jan. 30.
- Lafayette Company, The. (See Watson, Edgar, assignor.)
- Lafayette, Harvey E., Waukegan, Ill. assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute rip cord apparatus. 1,944,795; Jan. 23.
- Lafayette Instruments, Inc. (See Bakst, Aaron, assignor.)
- Lafayette Instruments Inc. (See Hamley, Herbert R., assignor.)
- La Ferney, Louis, Griffithville, Ark. Buckle. 1,980,535; Nov. 13.
- La Fever, Leonard L., Fort Wayne, Ind. Locking support. 1,970,660; Aug. 21.
- Laff, Adam, et al. (See Knight, Cecil G., assignor.)
- Lafferty, Arthur R., and A. S. Marta, assignors to Burroughs Adding Machine Company, Detroit, Mich. Automatic micrometer. 1,959,867; May 22.
- Lafferty, Jay C., Jr., assignor to North American Lace Company, Inc., Philadelphia, Pa. Curtain. Des. 93,664; Oct. 23.
- Laffier, James A., St. Louis, Mo. Recovering egg whites. 1,945,860; Feb. 6.
- Laffoon, Carthrae M., Irwin, L. A. Kilgore, Forest Hills, and R. E. Powers, Verona, Pa., assignors to Westinghouse Electric and Manufacturing Company. Double-winding generator with alternate poles. 1,949,424; Mar. 6.
- Laffoon, Carthrae M., Irwin, and B. A. Rose, Swissvale, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling means for conductors. 1,985,040; Dec. 18.
- Lafin, Benjamin T., Thermal, Calif. Rotary picking stand. 1,974,572; Sept. 25.
- Lafont, Louis A. (See Sorrel, V., and Lafont.)
- Lafont, Lucien, Lille, France. Pump. 1,974,678; Sept. 25.
- Laforest, Jean, Colombes, and Jean Pignon, Aubervilliers, France. Fountain pen. 1,980,625; Nov. 13.
- Lafredo, Gennaro, and S. Balzano, Brooklyn, N. Y. Sponge fishing net. 1,959,793; May 22.
- Laganas, George, Lowell, Mass. Electrically controlled driving mechanism. 1,961,882; June 5.
- Laganas, George, Lowell, Mass. Shoe leveling, shaping, and sole securing apparatus. 1,961,883; June 5.
- Laganas, George, Lowell, Mass. Pad for shoe holding machines. 1,961,884; June 5.
- Laganas, George, Lowell, Mass. Clamping mechanism for shoe presses. 1,961,885; June 5.
- Laganas, George, Lowell, Mass. Shoe sole leveling, shaping, and securing unit. 1,976,670; Oct. 9.
- Lager, John E., Summit, N. J. Cultivating plants. 1,954,674; Apr. 10.
- Lager, Josephina M., St. Louis, Mo. Bed. 1,972,712; Sept. 4.
- Lagerquist, Carl S. (See Lagerquist, Frank W. and C. S.)
- Lagerquist, Frank W. and C. S., Minneapolis, Minn. Elevator mechanism. 1,977,484; Oct. 16.
- La Giration des Fluides, Societe a Responsabilite Limitee. (See Ranque, Georges J., assignor.)
- Lagorio, John L., Linden, Calif. Preserving container. 1,948,353; Feb. 20.
- Lagrove, Jean. (See Rodde, A., Herault, Hudeley, and Lagrove.)
- Lahay, Richard W., assignor to American Cyanamid Company, New Rochelle, N. Y. Drum closure. 1,966,070; July 10.
- Lahl, Alfred. (See Amann, M., and Lahl.)
- La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Combined mirror and instrument. 1,948,222; Feb. 20.
- La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Combined rear vision mirror and clock. 1,975,158; Oct. 2.
- La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Combined mirror and time piece. 1,975,159; Oct. 2.
- La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Combined mirror and instrument. 1,975,277; Oct. 2.
- La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Hand mirror. Des. 93,874; Nov. 20.
- La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Pedestal mirror. Des. 93,875; Nov. 20.
- La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Hand mirror. Des. 93,876; Nov. 20.
- La Hodny, William, and G. C. Hoff, Buffalo, N. Y. Pedestal mirror. Des. 93,877; Nov. 20.
- La Hodny, William, and G. C. Hoff, assignors to Standard Mirror Company, Inc., Buffalo, N. Y. Hand mirror. Des. 92,661; July 3.
- La Hodny, William, and G. C. Hoff, assignors to Standard Mirror Company, Inc., Buffalo, N. Y. Hand mirror. Des. 93,560; Oct. 9.
- Laib, William L., Oak Park, and W. N. Olson, Brookfield, Ill. Stator winding machine. 1,977,825; Oct. 23.
- Labile, Charles L., Cincinnati, assignor to The Julian & Kokenge Company, Columbus, Ohio. Shoe. 1,971,965; Aug. 28.
- Labile, Charles L., Columbus, Ohio, assignor of one-half to The Moss Corporation, New York, N. Y. Shoe manufacture. 1,972,229; Sept. 4.
- Laico, Joseph P. (See Ronci, V. L., and Laico.)
- L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. (See Claude, G., and Le Rouge, assignors.)
- L'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procédes Georges Claude. (See Gobert, Maurice, assignor.)
- L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. (See Mitteau, Ferdinand, assignor.)
- L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. (See Soulayr, Pierre, assignor.)
- Laird, Archibald J., Glasgow, Scotland. Razor. 1,971,985; Aug. 28.
- Laird, Joseph P., Philadelphia, Pa. Pump and cushioning device therefor. 1,952,994; Mar. 27.
- Laird, Joseph P., assignor to The Wicaco Machine Corporation, Philadelphia, Pa. Spin pot. 1,955,136; Apr. 17.
- Laird Schober & Company. (See Heil, Arent, assignor.)
- Laird, Wilbur G., New York, N. Y., assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Heating a pipe still. 1,976,029; Oct. 9.
- Lajeunesse, Roy W., Annapolis, Md. Beverage shaker. 1,960,640; May 29.
- Lajoie, Ovilla, Lowell, Mass. Automatic stoker. 1,965,704; July 10.
- Lake, Burton G., U. S. Navy. Modulation system. 1,950,410; Mar. 13.
- Lake, Clair D., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing mechanism. 1,965,980; July 10.
- Lake, Clair D., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing control mechanism. 1,965,981; July 10.
- Lake, Clair D., Binghamton, and P. Shores, Johnson City, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card handling machine. 1,946,910; Feb. 13.
- Lake, Clair D., Binghamton, G. F. Daly, Johnson City, and F. E. Hamilton, Endicott, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,965,979; July 10.
- Lake, Clair D., Binghamton, and G. F. Daly, Johnson City, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,976,617; Oct. 9.
- Lake, Donald W., Chicago, Ill. Heater. 1,943,612; Jan. 16.
- Lake, Donald W., assignor to Excel Auto Radiator Company, Chicago, Ill. Heat exchange device. 1,981,424; Nov. 20.
- Lake, Golladay, Grenada, Miss. Display device. 1,945,049; Jan. 30.
- Lake, Irving A., Mount Vernon, N. Y. Electrically heated necktie press. 1,977,442; Oct. 16.
- Lake, Irving A., Mount Vernon, N. Y. Electrically heated necktie press. 1,977,443; Oct. 16.

- Lake, Ross A., assignor to Teletype Corporation, Chicago, Ill. Keyboard perforator transmitter. 1,965,602; July 10.
- Lake, Simon A., Chicago, and H. W. Stoelk, Cicero, assignors to Teletype Corporation, Chicago, Ill. Keyboard apparatus for telegraphs and the like. 1,969,891; Aug. 14.
- Lake, Simon, Milford, Conn. Submarine salvage and recovery apparatus. 1,952,080; Mar. 27.
- Lake, Simon, Milford, Conn. Submarine salvage and recovery apparatus. 1,959,370; May 22.
- Lake, Simon, Milford, Conn. Submarine salvage and recovery apparatus. 1,963,996; June 26.
- Lake, Simon, Milford, Conn. Apparatus for and method of locating sunken vessels and other objects. 1,973,719; Sept. 18.
- Lakenbach, Daniel, Valley Cottage, N. Y., assignor to Cada Company, Inc. Apparatus for waving hair. 1,957,046; May 1.
- Lakenbach, Daniel, Valley Cottage, N. Y., assignor to Cada Company, Inc. Permanent waving method. 1,957,047; May 1.
- Lakenbach, Daniel, Valley Cottage, N. Y., assignor to Cada Company, Inc. Hair waving device. 1,957,048; May 1.
- Lakenbach, Daniel, Valley Cottage, N. Y., assignor to Cada Company, Inc. Wrapper for permanent waving of hair. 1,957,049; May 1.
- Lakenbach, Daniel, Valley Cottage, N. Y., assignor to Cada Company, Inc. Permanent waving apparatus. 1,968,773; July 31.
- Lakeside Garage and Implement Company. (See Wotachek, Frank W., assignor.)
- Lakewest Corporation. (See Rundell, Rupert E., assignor.)
- Lakhovsky, Georges, Paris, France. Apparatus with circuits oscillating under multiple wave lengths. 1,962,565; June 12.
- Lakin, John W. (See De Orlow, S., and Lakin.)
- Lakritz, Joseph H., Cleveland Heights, Ohio. Garment. 1,984,310; Dec. 11.
- Lalonde, Eugene. (See Gauthier, A., and Lalonde.)
- La Londe, Frederick J., assignor to G. C. and E. R. Thomas, Virginia, Minn. Clothes wringer. 1,960,499; May 29.
- La Lumiere, Ernest J. B., Cranston, R. I. Advertising vehicle. Des. 92,008; Apr. 17.
- La Lumiere, Ernest J. B., Cranston, R. I. Food platter. Des. 92,850; July 24.
- La Maida, Thomas, Cleveland, Ohio. Combination suspensory. 1,985,507; Dec. 25.
- Laman, Fred E. (See Baker, L. J., Laman, and Baker.)
- La Mar, Frank C., New York, N. Y. Indicating plug fuse. 1,951,307; Mar. 13.
- La Mar, Frank C., New York, N. Y. Fuse integrity indicator. 1,951,308; Mar. 13.
- La Mar, Frank C., New York, N. Y. Indicating plug fuse. 1,951,309; Mar. 13.
- La Mar, Frank C., New York, N. Y. Fuse integrity indicator. 1,951,310; Mar. 13.
- La Mar, Frank C., New York, N. Y. Indicating plug fuse. 1,957,546; May 8.
- La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Electric fuse. 1,958,366; May 8.
- La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Thermal electric fuse. 1,958,367; May 8.
- Lamar, Hortensia, and F. de P. Moreno, Marianao, Cuba. Combined armchair and bed device. 1,984,311; Dec. 11.
- Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Inking roller. 1,946,024; Feb. 6.
- Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receiver. Form roller for printing machines. 1,955,752; Apr. 24.
- Lamatsch, Frederick, Grantwood, N. J., assignor to Irving Trust Company, temporary trustee for R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism. 1,984,749; Dec. 18.
- Lamatsch, Frederick, Grantwood, N. J., and C. W. Ginsberg, Brooklyn, assignors to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Web printing machine. 1,959,371; May 22.
- Lamatsch, Frederick, Grantwood, N. J., and C. W. Ginsberg, Brooklyn, assignors to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, temporary trustee. Inking mechanism. 1,977,444; Oct. 16.
- La Mayeau, William F., J. W. Farmer, and H. M. Smith, assignors to Standard Ventilator and Heater Co. Inc., Minneapolis, Minn. Automobile heating system and heater. 1,984,935; Dec. 18.
- Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relay system. 1,949,689; Mar. 6.
- Lamb, Charles M., Pasadena, Calif. Sanding machine. 1,960,383; May 29.
- Lamb, Frank H., Hoquiam, Wash. Traction belt and shoe. 1,970,756; Aug. 21.
- Lamb, Frank H., Hoquiam, Wash. Hinged connection. 1,973,214; Sept. 11.
- Lamb, Frank H. and G. E. Hoquiam, Wash. Self laying track for tractors. 1,965,244; July 3.
- Lamb, George E. (See Lamb, Frank H. and G. E.)
- Lamb, Harold S., San Bernardino, Calif. Manifold. 1,964,164; June 26.
- Lamb, Herbert W., J. C. Nixon, and D. H. Hurlbut, assignors to Line-O-Scribe, Inc., Adrian, Mich. Printing machine. 1,958,628; May 15.
- Lamb, Howard S. (See Steckel, A. P., and Lamb.)
- Lamb, Loren W., and F. D. Moore, Indianapolis, Ind. Illuminating compact. 1,978,905; Oct. 30.
- Lamb, Robert E. L. (See Jaehnigen, G., and Lamb.)
- Lamb, Robert M., Jacksonville, Fla. Multiple bolt lock. 1,985,176; Dec. 18.
- Lambden, Arthur H., assignor to The Goldie McCulloch Company Limited, Galt, Ontario, Canada. Safe and vault door and frame and making same. 1,957,217; May 1.
- Lambeck, Johannes, Elsterberg, Germany, assignor to North American Rayon Corporation, New York, N. Y. Spool winding apparatus. 1,968,406; July 31.
- Lambert, Albert L., Philadelphia, Pa., assignor to Heintz Manufacturing Company. Refrigerating device. 1,952,716; Mar. 27.
- Lambert, Albert L., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Valve. 1,969,806; Aug. 14.
- Lambert, Albert L., Narberth, Pa., assignor to Heintz Manufacturing Company. Refrigerator cabinet. 1,980,807; Nov. 13.
- Lambert, Chandley W., Cleveland, Ohio. Automatic variable pitch propeller. 1,959,631; May 22.
- Lambert, Chandley W., Cleveland, Ohio. Automatic variable pitch propeller. 1,963,664; June 19.
- Lambert, Chandley W., Cleveland, Ohio. Automatic variable pitch propeller. 1,985,041; Dec. 18.
- Lambert, De Witt W., Sioux Falls, S. Dak. Auxiliary meter plug. 1,955,193; Apr. 17.
- Lambert, Firmen. (See Boring, Clarence H., assignor.)
- Lambert, Gordon W. (See Atwater, Dale H., assignor.)
- Lambert, John, Pawtucket, R. I. Electrical stop motion for looms. 1,959,243; May 15.
- Lambert, Luell E., Renville, Minn. Connector and stretcher for fence sections. 1,965,899; July 10.
- Lambert, Pierre L. V., St. Martins, assignor of two-fifths to H. H. Randell, Guernsey, Channel Islands. Apparatus for eliminating interferences in radio reception. 1,980,212; Nov. 13.
- Lamberz, Wilhelm. (See Neelmeier, W., and Lamberz.)
- Lambie, James M. (See Ross, D. W., and Lambie.)
- Lambie, James M., assignor to Findlay Clay Products Company, Washington, Pa. Furnace wall. 1,946,083; Feb. 6.
- Lambie, John A., assignor of one-half to West Coast Pipe and Steel Co., Los Angeles, and one-half to Rain Machine, Ltd., Lompoc, Calif. Flexible irrigated pipe coupling. 1,949,055; Feb. 27.
- Lamblin-Parent, Gustave A. M., Lille, France, assignor, by mesne assignments, to United States Holding Corporation. Headlight. 1,955,597; Apr. 17.
- Lamblin-Parent, Gustave A. M., Lille, France, assignor, by mesne assignments, to United States Holding Corporation. Motor vehicle headlight. 1,955,599; Apr. 17.
- Lamblin-Parent, Gustave A. M., Ronchin, near Lille, France, assignor, by mesne assignments, to United States Holding Corporation. Headlight. 1,955,598; Apr. 17.
- Lamblin-Parent, Gustave A. M., Ronchin, near Lille, France, assignor, by mesne assignments, to United States Holding Corporation. Headlight. 1,955,600; Apr. 17.
- Lamblin-Parent, Gustave A. M., Ronchin, near Lille, France, assignor, by mesne assignments, to United States Holding Corporation. Light projector. 1,955,601; Apr. 17.
- Lamblin-Parent, Gustave A. M., Ronchin, France, assignor, by mesne assignments, to United States Holding Corporation. Light projector. 1,955,602; Apr. 17.
- Lamblin-Parent, Gustave A. M., Ronchin, near Lille, France, assignor, by mesne assignments, to United States Holding Corporation. Light projector. 1,955,603; Apr. 17.
- Lambo, John O., Amsterdam, N. Y., assignor to Bigelow Sanford Carpet Co., Inc., Thompsonville, Conn. Tuft pile fabric looms. 1,946,427; Feb. 6.
- Lambrecht, William, Wilwaukee, Wis. Bathroom reclining board. 1,956,221; Apr. 24.
- Lambusta, Peter, Newark, N. J. Ring. 1,945,280; Jan. 30.
- Lamer, Louis, New York, N. Y. Store front construction. 1,947,651; Feb. 20.
- Lamie, Ralph D. (See Reed, H. S., and Lamie.)
- Laminated Shim Co. (See Blackmer, W. H., and Young, assignors.)
- Laminated Shim Co. (See Darrach, Bradford, assignor.)
- Laminating Patents Corporation. (See Merritt, Ericsson H., assignor.)
- Laminating Patents Corporation. (See Merritt, Louis G. and E. H., assignors.)
- Laminating Patents Corporation. (See Stanley, Richard W., assignor.)
- Lamkey, William A., Philadelphia, Pa. Mop. 1,958,629; May 15.
- Lamkin, W. Lester. (See Syverston, Agmund, assignor.)
- Lamlein, Edward C. (See Lamlein, E. C., and Miller, assignors.)
- Lamlein, Edward C., and R. Miller, assignors, by mesne assignments, to E. C. Lamlein, Detroit, Mich. Humidity regulator. 1,965,705; July 10.

- Lamond, John, Allison Park, Pa. Threading tool. 1,961,003; May 29.
- Lamond, John, assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa. Method of and apparatus for finishing metal blanks. 1,952,995; Mar. 27.
- Lamond, John, assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa. Forging apparatus. 1,983,618; Dec. 11.
- Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Automatic cut-out and safety device for hydraulic systems. 1,943,535; Jan. 16.
- Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Valve. 1,947,527; Feb. 20.
- Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Pressure-regulating device. 1,952,443; Mar. 27.
- Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Mooring apparatus. 1,952,504; Mar. 27.
- Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Automatic change-over system for hydraulic apparatus. 1,955,922; Apr. 24.
- Lamonica, Sebastiano, and E. R. Caruso, Hartford, Conn. Vehicle step. 1,982,748; Dec. 4.
- Lamont, Boyd N. R., assignor to Simpliflex Patents Ltd., Surbiton, England. Pipe coupling. 1,957,605; May 8.
- Lamont, Charles F., Los Angeles, Calif. Lamp shade. Des. 92,260; May 15.
- La Mont Corporation. (See Daniels, Fred H., assignor.)
- La Mont Corporation. (See La Mont, Walter D., assignor.)
- Lamont, Neil C., Edgeworth, Pa., assignor to National Electric Products Corporation, New York, N. Y. Coloring and coating wires and the like. 1,944,823; Jan. 23.
- Lamont, Robert P., jr., Larkspur, Colo. Device for preventing distortion of beef carcasses. 1,948,269; Feb. 20.
- La Mont, Walter D., North Colebrook, Conn., assignor to La Mont Corporation, New York, N. Y. Process of and apparatus for generating steam. 1,972,052; Aug. 28.
- La Montagne Machine Company. (See La Montagne, P. P., and Froemming, assignors.)
- La Montagne, Patrick P., assignor to Paramount Textile Machinery Company, Kankakee, Ill. Knitting machine. 1,981,919; Nov. 27.
- La Montagne, Patrick P., and G. H. Froemming, assignors to La Montagne Machine Company, Kankakee, Ill. Knitting machine. 1,945,227; Jan. 30.
- Lamoreaux, William F. (See Broughton, H. E., and Lamoreaux.)
- Lamort, Ernest, assignor to Société E. & M. Lamort Fils, Vitry-Le-Francois, France. Suction box for the manufacture of paper and similar products. 1,950,853; Mar. 13.
- Lamort, Marcel, assignor to Etablissements E. & M. Lamort Fils, Vitry-Le-Francois, France. Filtering apparatus. 1,945,491; Jan. 30.
- Lamort, Marcel, assignor to Etablissements E. & M. Lamort Fils, Vitry-Le-Francois, France. Pulp strainer. 1,945,492; Jan. 30.
- La Morte, William F., New York, N. Y. Soffit clip. 1,969,653; Aug. 7.
- Lamothe, S. C. (See Pollard, Jessie, assignor.)
- Lamoureux, Frank H., Bayonne, N. J. Agitator drive. 1,967,891; July 24.
- Lampal, Eugene, Brooklyn, N. Y. Shoe. Des. 92,360; May 29.
- Lampart, Hugo, assignor to Berlin-Karlsruher Industrie-Werke A.-G., Karlsruhe, Germany. Bobbin for spinning. 1,962,662; June 12.
- Lampart, Hugo, Baden, assignor to Berlin-Karlsruher Industrie-Werke A. G., Karlsruhe, Germany. Making grooved sleeves. 1,985,833; Dec. 25.
- Lampe, Albert, Berlin-Grünwald, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Coloring ceramic materials. 1,954,936; Apr. 17.
- Lampe, Florence C., Brooklyn, N. Y. Head band. 1,971,788; Aug. 28.
- Lampen- und Metallwarenfabriken R. Ditmar Gebrüder Brünner A. G. (See Humpoletz, Karl, assignor.)
- Lampkin, Guy F., Cincinnati, Ohio. Communication system. 1,968,528; July 31.
- Lamplough, Leslie F., Mount Washington, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for vulcanizing material on articles. 1,978,586; Oct. 30.
- Lamson Company, The. (See Allen, Lavont C., assignor.)
- Lamson Company, The. (See Cushman, Robert, assignor.)
- Lamson Company, The. (See Cutting, Clark T., assignor.)
- Lamson Company, The. (See Dupuy, Louis E., assignor.)
- Lamson Company, The. (See Emerson, Merton L., assignor.)
- Lamson Company, The. (See Frost, M. O., and Mattler, assignors.)
- Lamson Company, The. (See Grassby, George A., jr., assignor.)
- Lamson Company, The. (See Hess, L. D., and Libby, assignors.)
- Lamson Company, The. (See Jennings, Chester S., assignor.)
- Lamson Company, The. (See Jennings, C. S., and Koenig, assignors.)
- Lamson Company, The. (See Jennings, C. S., and Taisey, assignors.)
- Lamson Company, The. (See Keller, Henry C., assignor.)
- Lamson Company, The. (See Keller, H. C., and Dupuy, assignors.)
- Lamson Company, The. (See Marcy, Willard A., assignor.)
- Lamson Company, The. (See Mattler, Peter, assignor.)
- Lamson Company, The. (See Perry, Harold R., assignor.)
- Lamson Company, The. (See Regan, John E., assignor.)
- Lamson Company, The. (See Taisey, Fred R., assignor.)
- Lamson, Joseph V. (See Wyllie, L., and Lamson.)
- Lanagan, William M., Rantoul, Ill. Wind indicator. 1,968,838; Aug. 7.
- Lancaster Asphalt, Inc. (See Robinson, Thomas, assignor.)
- Lancaster Iron Works, Inc. (See Luce, G. E., and Cox, assignors.)
- Lancaster, John B., Henderson, Tex. Closure for tank fill pipes. 1,978,314; Oct. 23.
- Lancaster Pipe Mount Co. (See Margoshes, Nathan, assignor.)
- Lancaster Processes, Inc. (See Robinson, Thomas, assignor.)
- Lancer, Charles. (See Franklin, A. W., and Lancer.)
- Lancia, Vincenzo, Turin, Italy. Spray device for automotive vehicles. 1,983,472; Dec. 4.
- Land, Arthur A. G., Chicago, Ill. Resilient tensioning wire fabric. 1,943,445; Jan. 16.
- Land, Arthur A. G., Chicago, Ill. Transverse expanding wire fabric. 1,943,446; Jan. 16.
- Land, Arthur A. G., Chicago, Ill. Chain link wire fabric. 1,943,447; Jan. 16.
- Land, Edwin H., Wellesley Farms, Mass. Colloidal suspensions and making same. 1,951,664; Mar. 20.
- Land, Edwin H., Wellesley Farms, Mass. Polarizing body. 1,956,867; May 1.
- Land, Edwin H., Wellesley Farms, Mass. Light valve. 1,963,496; June 19.
- Land, Edwin H., Cambridge, Mass. Light valve and operation. 1,955,923; Apr. 24.
- Land, Frank S. (See Robertson, Walter S., assignor.)
- Landa, Karl, Landskron, Czechoslovakia. Agricultural implement. 1,942,557; Jan. 9.
- Landahl, Magnus, San Francisco, Calif. Cable gripping device. 1,945,438 Jan. 30.
- Landau, Arnold, Berlin-Friedenau, assignor to the firm Elektrizitätsgesellschaft "Sanitas" m. b. H., Berlin, Germany. Medical instrument. 1,978,495; Oct. 30.
- Landau, Robert, Vienna, Austria. Method of and machine for applying caps to the openings of receptacles, such as bottles. 1,981,111; Nov. 20.
- Landaw, Oak, assignor to Mutschler Brothers Company, Nappanee, Ind. Extension leaf table. 1,949,800; Mar. 6.
- Landberg, Carl E., Minneapolis, Minn. Collapsible scaffolding. 1,943,871; Jan. 16.
- Landberg, Frithiof, et al. (See Dahlstrom, Arvid, assignor.)
- Lander, Cathers D. (See Dolbier, Charles M., assignor.)
- Lander, Louis, assignor to North American Electric Lamp Company, St. Louis, Mo. Electric bulb. Des. 92,662; July 3.
- Landerman, John D., Brookline, Mass., assignor to Electric Steam Heating Corporation. Electric steam radiator. 1,945,815; Feb. 6.
- Landers, Frary & Clark. (See Badger, Harry M., assignor.)
- Landers, Frary & Clark. (See Bayliss, Frederick N., assignor.)
- Landers, Frary & Clark. (See Hanbury, A. E., Juengst, and Anderson, assignors.)
- Landers, Frary & Clark. (See Juengst, F. W., and Anderson, assignors.)
- Landeweer, Klaas, Utrecht, Netherlands. Shock absorber for motor vehicles and the like. 1,970,239; Aug. 14.
- Landeweer, Klaas, Utrecht, Netherlands. Hydraulic shock absorber. 1,975,642; Oct. 2.
- Landgraf, Frederick K., Crafton, assignor to Flannery Bolt Company, Pittsburgh, Pa. Drill. 1,952,996; Mar. 27.
- Landgrebe, Anton, New York, N. Y. Beverage cooling apparatus. 1,951,285; Mar. 13.
- Landi, Emanuele, New York, N. Y. Musical tap dancing shoe. 1,943,222; Jan. 9.
- Landis, Clifford H. (See Wallace, J. J., and Landis.)
- Landis, George G. (See Lincoln, J. F., and Landis.)
- Landis, George G., assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding apparatus control. 1,952,505; Mar. 27.
- Landis, George G., assignor to The Lincoln Electric Company, Cleveland, Ohio. Dynamo electric machine. 1,962,691; June 12.
- Landis, George G., assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding current generation. 1,962,692; June 12.
- Landis, George G., and N. J. Hoenie, assignors to The Lincoln Electric Company, Cleveland, Ohio. Dynamo-electric machine control. 1,967,158; July 17.
- Landis & Gyr A.-G. (See Beusch, Willi, assignor.)
- Landis & Gyr, A.-G. (See Borel, Onésime, assignor.)
- Landis & Gyr, A.-G. (See Fröhlich, H., Hausch, and Zingg, assignors.)
- Landis & Gyr, A.-G. (See Kenknor, Arthur, assignor.)
- Landis & Gyr, A.-G. (See Moos, Paul, assignor.)
- Landis & Gyr, A.-G. (See Nehls, Herbert, assignor.)
- Landis & Gyr, A.-G. (See Pudelko, Ricard, assignor.)
- Landis & Gyr, A. G. (See Spahn, Emil, assignor.)
- Landis Machine Company. (See Reimschuessel, Charles A., assignor.)

- Landis Machine Company. (See Reimschuessel, C. A., and Harper, assignors.)
- Landis Tool Company. (See Gurney, Daniel, assignor.)
- Landis Tool Company. (See Ott, Conrad L., assignor.)
- Landis Tool Company. (See Ott, C. L., Wine, and Bal-siger, assignors.)
- Landis Tool Company. (See Steiner, Amos P., assignor.)
- Landis, William C., Pittsburgh, assignor to The Westing-house Air Brake Company, Wilmerding, Pa. Diaphragm cock. 1,976,851; Oct. 16.
- Land O'Lakes Creameries, Inc. (See Johnson, Alex., as-signor.)
- Landolph, Nicholas, Danvers, assignor to A. C. Lawrence Leather Company, Peabody, Mass. Stretching frame. 1,951,734; Mar. 20.
- Landolt, Albert, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Obtaining fast tints on wool. 1,949,801; Mar. 6.
- Landolt, Albert, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Process relating to the dyeing of wool. 1,958,307; May 8.
- Landolt, Charles F., assignor to Truscon Steel Company, Youngstown, Ohio. Radiator support. 1,967,475; July 24.
- Landon, Horace Z., Newton, Mass. Apparatus for molding articles from paper pulp. 1,970,608; Aug. 21.
- Landon, Nathaniel B., Mount Kisco, and E. V. Collins, jr., Brooklyn, assignors to Delaware Lackawanna & Western Coal Company, New York, N. Y. Treating coal and product thereof. 1,945,371; Jan. 30.
- Landon, Vernon D., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Audio-frequency amplifier. 1,944,746; Jan. 23.
- Landorf, Sam, New York, N. Y. Detachable garment col-lar. 1,960,312; May 29.
- Landram, Conrad J., et al. (See Snell, Philip N., jr., as-signor.)
- Landreth, Wallace, Los Angeles, assignor of one-tenth to M. L. Hartmann, Beverly Hills, Calif. Practice golf ball. 1,981,959; Nov. 27.
- Landrin, Marcel, Paris, France. Device for transforming motor trucks and similar vehicles into winches. 1,941,945; Jan. 2.
- Landrock, Paul, Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic copy hold-ing apparatus. 1,970,381; Aug. 14.
- Landrock, Paul, Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Card cutting appara-tus. 1,977,000; Oct. 16.
- Landry, George L., assignor to The Heil Co., Milwaukee, Wis. Hoist mechanism. 1,944,351; Jan. 23.
- Landry, Joe, et al. (See Louvier, Marius L., assignor.)
- Landstrom Furniture Corporation. (See Swanson, Bror J., assignor.)
- Landy, Otto, assignor to Toy-In-Action Corporation, Chi-cago, Ill. Bathroom scale. Des. 92,478; June 12.
- Lane, Abbot A., Edgewood, assignor, by mesne assign-ments, to Gulf Research Development Corporation, Pitts-burgh Pa. Plunger packing. 1,949,690; Mar. 6.
- Lane, Clarence E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 1,985,042; Dec. 18.
- Lane Company, Inc., The. (See Church, Warren C., assignor.)
- Lane Company, Inc., The. (See Loftin, Grady A., assignor.)
- Lane Construction Corporation, The. (See Schutte, Au-gust E., assignor.)
- Lane, Cuthbert C., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric switching device. 1,948,969; Feb. 27.
- Lane, Cuthbert C., Little Neck, assignor to Bell Tele-phone Laboratories, Incorporated, New York, N. Y. Printing telegraph exchange system. 1,951,916; Mar. 20.
- Lane, Cuthbert C., Little Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control of motors. 1,962,354; June 12.
- Lane, Cuthbert C., Little Neck, assignor to Bell Tele-phone Laboratories, Incorporated, New York, N. Y. Station circuit for telegraph exchange systems. 1,965,333; July 3.
- Lane, Cuthbert C., Little Neck, and G. A. Locke, Glen-wood, assignors to Bell Telephone Laboratories, In-corporated, New York, N. Y. Telegraph exchange sys-tem. 1,979,273; Nov. 6.
- Lane, Edwin, et al. (See Hamilton, Charles E., sr., assignor.)
- Lane, Francis C. (See Miller, L. H., and Lane.)
- Lane, Frederick H., E. W. Madge, and E. A. Murphy, Bir-mingham, assignors to Dunlop Rubber Company Limited, London, England. Covering wires, threads, and fila-ments with rubber composition. 1,983,764; Dec. 11.
- Lane, George S., Ridgewood, N. J. Device to prevent the scoring of a brake drum. 1,947,719; Feb. 20.
- Lane, George S., San Anselmo, assignor to W. Sheehan, San Francisco, Calif. Disk brake. 1,942,029; Jan. 2.
- Lane, George S., San Anselmo, assignor to W. Sheehan, San Francisco, Calif. Disk brake. 1,942,030; Jan. 2.
- Lane, George W. (See Reiter, D. L., and Lane.)
- Lane, George W., Clifton, N. J. Processing apparatus. 1,957,606; May 8.
- Lane, George W., Clifton, assignor to Van Vlaanderen Ma-chine Company, Paterson, N. J. Qutch. 1,942,606; Jan. 9.
- Lane, Harold. (See Pratt, J. W., and Lane.)
- Lane, Harold. (See Swales, G. P., Roberts, and Lane.)
- Lane, Morton. (See Pavreau, Walter, assignor.)
- Lane, Morton. (See Gasparik, Randolph, assignor.)
- Lane, Raymond A., Elmhurst, N. Y., assignor to Products Protection Corporation. Condenser construction. 1,959,372; May 22.
- Lane, Raymond H., Reading, Mass. Rubbish burner. 1,955,641; Apr. 17.
- Lane, Raymond T., Bath, N. Y. Culvert. 1,982,995; Dec. 4.
- Lane, William T., Tacoma, Wash. Stake sharpener. 1,973,987; Sept. 18.
- La Neve, Peter, Brooklyn, N. Y. Self-equalizing suspen-sion tackle for elevator cars. 1,963,706; June 19.
- La Neve, Peter, Brooklyn, N. Y. Differential drive for multiple-strand cable transmission. 1,974,361; Sept. 18.
- Lang, Charles, Jersey City, N. J. Drill rod and detachable bit. 1,984,220; Dec. 11.
- Lang, Charles A., Minneapolis, Minn. Solution tank. 1,975,749; Oct. 2.
- Lang, Charles W., New York, N. Y., assignor to The Food Processing Company, Philadelphia, Pa. Domed con-tainer end. 1,965,795; June 19.
- Lang, Charles W., Brooklyn, N. Y., assignor to The Food Processing Company, Philadelphia, Pa. Treating food products and resulting articles. 1,973,634; Sept. 11.
- Lang, Eugen. (See Rehm, A., Dorn, and Lang.)
- Lang, Franz, Munich, Germany, assignor to Lanova Ak-tiengesellschaft, Vaduz, Liechtenstein. Injection en-gine. 1,941,805; Jan. 2.
- Lang, Franz, Munich, Germany, assignor to Lanova Ak-tiengesellschaft, Vaduz, Liechtenstein. Injection engine. 1,941,806; Jan. 2.
- Lang, Franz, Munich, Germany, assignor to Lanova Aktien-gesellschaft, Vaduz, Liechtenstein. Injection engine. 1,944,352; Jan. 23.
- Lang, Franz, Munich, Germany, assignor to Lanova Aktien-gesellschaft, Vaduz, Liechtenstein. Injection engine. 1,944,605; Jan. 23.
- Lang, Franz, Munich, Germany, assignor to Lanova Ak-tiengesellschaft, Vaduz, Liechtenstein. Diesel engine with air and pressure reservoir. 1,954,082; Apr. 10.
- Lang, Franz, Munich, Germany, assignor to Lanova Ak-tiengesellschaft, Vaduz, Liechtenstein. Combustion chamber for Diesel engines. 1,954,083; Apr. 10.
- Lang, Franz, Munich, Germany, assignor to Lanova Ak-tiengesellschaft, Vaduz, Liechtenstein. Internal com-bustion engine. 1,954,084; Apr. 10.
- Lang, Franz, Munich, Germany, assignor to Lanova Ak-tiengesellschaft, Vaduz, Liechtenstein. Internal com-bustion engine. 1,964,667; June 26.
- Lang, Frederic H. (See Fletcher, R. M., and Lang.)
- Lang, Frederick R., Wood River, Ill., assignor, by mesne assignments, to Crown Central Petroleum Corporation, Baltimore, Md. Lubricating oil. 1,974,778; Sept. 25.
- Lang, George L., South Orange, N. J. Camera flash-light attachment. 1,945,942; Feb. 6.
- Lang, Gustave J., Longmeadow, assignor to United Amer-ican Bosch Corporation, Springfield, Mass. Wind de-flector. 1,968,948; Aug. 7.
- Lang, Gustave J., and L. Beeh, Longmeadow, and J. F. Martin, assignors to United American Bosch Cor-poration, Springfield, Mass. Interrupter lever. 1,952,321; Mar. 27.
- Lang, Gustave J., Longmeadow, and J. F. Martin, assignors to United American Bosch Corporation, Springfield, Mass. Timer mounting. 1,978,159; Oct. 23.
- Lang, Harold C., Cincinnati, Ohio. Chick shipping con-tainer. 1,966,672; July 17.
- Lang, Herbert H., Wilmette, assignor to Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencil. 1,966,207; July 10.
- Lang, Herbert H., Wilmette, assignor to Rite-Rite Mfg. Co., Chicago, Ill. Package for pencil leads. 1,982,112; Nov. 27.
- Lang, Homer V., Charlotte, N. C. Treating textile fibers. 1,970,045; Aug. 14.
- Lang, Karl. (See Hofmann, F., and Lang.)
- Lang, Martin H., Minneapolis, Minn. Floor surfacer and polisher. 1,969,805; Aug. 14.
- Lang, Niels, Lakewood, Ohio. Reflector. 1,947,344; Feb. 13.
- Lang, Niels, Lakewood, Ohio. Metallic coating apparatus. 1,952,760; Mar. 27.
- Lang, Rose, Buffalo, N. Y. Cooking utensil. 1,973,817; Sept. 18.
- Lang, Rudolph C., assignor to A. B. A. Specialties Com-pany, Inc., New York, N. Y. Needle or tufting device. 1,974,052; Sept. 18.
- Lang, Thomas L., Baltimore, Md. Necktie. 1,946,405; Feb. 6.
- Langabeer, Harvey T., South Ozone Park, N. Y., and R. L. Lunsford, Belleville, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone power plant. 1,970,939; Aug. 21.
- Langbein, Jacob F. (See Whitehead, R. H., and Langbein.)
- Langdon, Amos W., assignor to American Can Company, New York, N. Y. Container. 1,943,327; Jan. 16.
- Langdon, Frank E., Vancouver, Wash. Collapsible win-der shaft. 1,981,556; Nov. 20.
- Langdon, Otho O. (See Sample, W. M., and Langdon.)
- Langdon, Robert M., Fort Lee, N. J. Manicure device. 1,955,506; Apr. 17.
- Langdon, Seth C., Evanston, assignor to Curtis Lighting, Inc., Chicago, Ill. Metal protected mirror. 1,977,639; Oct. 23.

- Lange, Fritz, et al. (See Brasch, A., Lange, and Dahl.)
 Lange, Fritz, assignor to Electroacoustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Electrical compensator. 1,971,688; Aug. 28.
 Lange, Fritz, and H. Krzikalla, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of complex metal compounds of ortho-hydroxyazo dyestuffs. 1,978,880; Oct. 30.
 Lange, George, Rockville Center, N. Y. Forming ice cubes. 1,945,230; Jan. 30.
 Lange, Gottlieb, Muskogee, Okla. Suspension frame. 1,978,752; Oct. 30.
 Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of di-(hydroxyethyl)-aminonitrobenzenes. 1,980,536; Nov. 13.
 Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of 2-nitrodiphenyl. 1,980,537; Nov. 13.
 Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. B- γ -Hydroxypropyloxyalkylamino benzenes and the γ -alkylesters thereof. 1,980,538; Nov. 13.
 Lange, Heinrich, Neuhaus-on-the-Rennweg, Germany, assignor to General Electric Company. Insulating support means for the current leads of luminous signs. 1,984,486; Dec. 18.
 Lange, Henry, Quincy, Ill. Stove. Des. 93,984; Dec. 4.
 Lange, Henry, Quincy, Ill. Stove or heater. 1,979,889; Nov. 6.
 Lange, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Combination coal and gas range. Des. 91,359; Jan. 16.
 Lange, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Combination range. 1,955,884; Apr. 24.
 Lange, Johann F. H., assignor to the firm Eisenwerk (vorm. Nagel & Kaemp) A.-G., Hamburg, Germany. Operating mechanism for grab buckets. 1,950,057; Mar. 6.
 Lange, Karl L. (See Haines, H. H., and Lange.)
 Lange, Louvern G., Passaic, N. J. Container closure. 1,965,195; July 3.
 Lange, Louvern G., Passaic, N. J. Method and apparatus for canceling motion picture film. 1,965,196; July 3.
 Lange, Max E. (See Drissner, A. E., Hoagland, Lange, Lundberg, and Lovely.)
 Lange, Morris, Cleveland, Ohio. Grave lining. 1,946,976; Feb. 13.
 Lange, Paul H., Bridgeport, Conn. Key opening sanitary can. 1,947,012; Feb. 13.
 Lange, Werner, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, New York, N. Y. Azo dyes. 1,947,945; Feb. 20.
 Lange, Werner, Dessau-Ziebigk in Anhalt, and U. Dreyer, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dye. 1,980,539; Nov. 13.
 Langedijk, Siegfried L., Amsterdam, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of heavy metal salts of sulphonic acid soluble in mineral and fatty oils and the products thereof. 1,947,652; Feb. 20.
 Langell, Carrie E. (See Noble, Leslie D., assignor.)
 Langenberg, Frederick C. (See Clark, S. B., and Langenberg.)
 Langenberg, Frederick C. (See Russell, N. F. S., and Langenberg.)
 Langenberg, Frederick C., Edgewater Park, assignor of one-half to United States Pipe & Foundry Company, Burlington, N. J., and one-half to Crucible Steel Company of America. Ferrous alloy. 1,956,645; May 1.
 Langenberg, Frederick C., Edgewater Park, assignor of one-half to United States Pipe & Foundry Company of Burlington, N. J., and one-half to Crucible Steel Company of America. Compounding corrosion resisting forgeable ferrous alloys. 1,956,646; May 1.
 Langenberg, Frederick C., Edgewater Park, and H. G. Reddick, assignors to United States Pipe and Foundry Company, Burlington, N. J. Cast iron annulus and manufacturing the same. 1,953,180; Apr. 3.
 Langenhagen, Ernst, and R. Mechau, assignors to firm Carl Zeiss, Jena, Germany. Prismatic telescope with right-angled isosceles reflecting prisms. 1,959,538; May 22.
 Langenkamp, Albert G. (See McElroy, R. H., and Langenkamp.)
 Langenkamp, Albert G., and R. H. McElroy, assignors to International Engineering, Inc., Dayton, Ohio. Bread rack. 1,943,023; Jan. 9.
 Langenkamp, Albert G., and R. H. McElroy, assignors to International Engineering, Inc., Dayton, Ohio. Bread rack. 1,957,656; May 8.
 Langer, Edward J., Portland, Oreg. Trunnion adjustable support. 1,944,185; Jan. 23.
 Langer, Max, Hermsdorf, New Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,963,586; June 19.
 Langer, Robert, assignor to the firm Leopold Pollenz, Vienna, Austria. Apparatus for making of seamless dress preservers. 1,978,542; Oct. 30.
 Langfritz, Hans, Schwabach, Germany, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,957,273; May 1.
 Langhaar, Louis, Allentown, Pa. Antifriction bearing. 1,948,860; Feb. 27.
 Langhammer, Anthony J. (See Calkins, W. G., and Langhammer.)
 Langhammer, Anthony J., assignor to Chrysler Corporation, Detroit, Mich. Sizing apparatus. 1,944,246; Jan. 23.
 Langhammer, Anthony J., assignor to Chrysler Corporation, Detroit, Mich. Making trolley shoes. 1,980,540; Nov. 13.
 Langhammer, Paul, and S. M. Bodolay, assignors to Package Machinery Company, Springfield, Mass. Bottle hooding device. 1,968,211; July 31.
 Langill, Ross E., assignor to The Prescott Company, Menominee, Mich. Sawmill dog. 1,944,287; Jan. 23.
 Langille, Wilfred O., Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Suction cleaner. 1,959,167; May 15.
 Langley, Frank. (See Sumner, H. C., Taylor and Langley.)
 Langley, Gordon R., Peterboro, Ontario, Canada, assignor to General Electric Company. Oil circuit breaker. 1,960,057; May 22.
 Langley, Ralph H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Potentiometer. 1,944,329; Jan. 23.
 Langley, Sam G., Maplewood, and G. F. Braun, Elizabeth, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic control device. 1,954,011; Apr. 10.
 Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Heating process and apparatus. 1,947,267; Feb. 13.
 Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,952,927; Mar. 27.
 Langner, Rudolf, and L. Hladik, Pilsen, Czechoslovakia. Auxiliary-engine for steam-driven locomotives. 1,981,181; Nov. 20.
 Langrill, Andrew J., et al. (See Hohmann, Julius, assignor.)
 Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Slide rule. 1,952,134; Mar. 27.
 Langston, Samuel M., Co. (See Langston, S. M., and Sieg, assignors.)
 Langston, Samuel M., Co. (See Sieg, Karl, assignor.)
 Langston, Samuel M., Co. (See List, Leonardo J., assignor.)
 Langston, Samuel M., Wenonah, N. J. Corrugator. 1,943,080; Jan. 9.
 Langston, Samuel M., Wenonah, N. J., and K. Sieg, Philadelphia, Pa., assignors to Samuel M. Langston Co., Camden, N. J. Cut-off mechanism. 1,984,042; Dec. 11.
 Langstreth, Melon. (See Andrew, T. E., and Langstreth.)
 Langstreth, Melon, London, England, assignor of one-half to Universal Winding Company, Boston, Mass., and one-half to Dunlop Cotton Mills Limited, London, England. Machine for winding yarn thread and the like. 1,966,507; July 17.
 Langstroth, Clifford B. (See Martin, E. M., and Langstroth.)
 Langstroth, Clifford B., Plainfield, N. J., and E. M. Martin, New York, N. Y. Welding electrode and manufacturing the same. 1,965,657; July 10.
 Languepin, Jacques E., Paris, France, assignor to Radio Corporation of America, New York, N. Y. Sound reproducing method. 1,949,840; Mar. 6.
 Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler drum. 1,954,631; Apr. 10.
 Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,972,893; Sept. 11.
 Langwell, Herbert. (See Eyre, J. V., and Langwell.)
 Langworthy, Cyril F., and H. Hughes, Richmond, England. Manufacture of galvanized steel sheets. 1,973,004; Sept. 11.
 Langworthy, Merton L., Port Arthur, Tex., assignor to the Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 1,956,036; Apr. 24.
 Lanham, Paul, Lanham, Md. Meter. 1,951,797; Mar. 20.
 Lanier Cone Company. (See Keller, Thomas H., assignor.)
 Lankenau, Henry G., Verona, N. J., assignor to Noesting Pin Ticket Co. Inc., Mount Vernon, N. Y. Paper clip. 1,985,866; Dec. 25.
 Lankelma, Herman P. (See Burk, R. E., and Lankelma.)
 Lankton, Louis S., Fairfield, Conn., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Pliable manifolding set. 1,955,336; Apr. 17.
 Lannerd, Paul U., assignor to The Capehart Corporation, Fort Wayne, Ind. Record magazine for automatic phonographs. 1,965,744; July 10.
 Lannert, Frank, assignor to Paragon Die Casting Company, Chicago, Ill. Die-casting machine. 1,974,822; Sept. 25.
 Lanning, John G. (See Ulmer, Henry M., assignor.)
 Lanova Aktiengesellschaft. (See Lang, Franz, assignor.)
 Lanquetin, Roger, Neuilly-sur-Seine, France. Apparatus for indicating the ratio between the linear function of two temperatures. 1,946,702; Feb. 13.
 Lansing, Marie P., administratrix. (See Wilson, William P.)
 Lansing, Raymond P., Montclair, N. J. Oil seal. 1,962,398; June 12.

- Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starter. 1,942,107; Jan. 2.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting mechanism. 1,952,262; Mar. 27.
- Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,952,263; Mar. 27.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting mechanism. 1,953,717; Apr. 3.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Electrical apparatus. 1,957,015; May 1.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,959,244; May 15.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,962,397; June 12.
- Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,971,956; Aug. 28.
- Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Starter mechanism. 1,973,287; Sept. 11.
- Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,973,288; Sept. 11.
- Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,973,289; Sept. 11.
- Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Starting mechanism. 1,974,870; Sept. 25.
- Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,974,871; Sept. 25.
- Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,975,047; Sept. 25.
- Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Starting mechanism. 1,979,162; Oct. 30.
- Lansing, Raymond P., Montclair, assignor by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Variable pitch propeller. 1,982,170; Nov. 27.
- Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. 1,985,662; Dec. 25.
- Lansing, Willis E., East Syracuse, N. Y. Convertible table and tray. 1,953,562; Apr. 3.
- Langston Monotype Machine Company. (See Bassist, Ellis, assignor.)
- Langston Monotype Machine Company. (See Koppe, Alexander T., assignor.)
- Lantz, Robert, assignor of one-half to Société Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Manufacture of sulphides of nitro-aminodiphenyl or substitution products thereof. 1,965,776; July 10.
- Lantz, Robert, assignor of one-half to Société Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Manufacture of azo-dyestuffs containing sulphur. 1,973,635; Sept. 11.
- Lantz, Robert, assignor of one-half to Société Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Manufacture of azo-dyestuffs containing sulphur from diazotized arthoaminophenols. 1,973,636; Sept. 11.
- Lanyon, Howard W., Chicago, Ill., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Grinding machine. 1,958,709; May 15.
- Lanyon, Samuel H., San Francisco, Calif., assignor to Chicago Fire Brick Company, Chicago, Ill. Sectionally supported air-cooled wall. 1,969,892; Aug. 14.
- Lanzerotti-Spina, Amelia A., executrix. (See Lanzerotti-Spina, Ettore.)
- Lanzerotti-Spina, Ettore, deceased, Prebend Gardens, Stamford Brook, by A. A. Lanzerotti-Spina, London, England, executrix. Variable pitch screw propeller. 1,950,117; Mar. 6.
- Lanzetta, Michael, et al. (See Bocchicchio, Vincent, assignor.)
- Lapham, John G. (See Lassiter, J. R., jr., Quinn, and Lapham.)
- Lapin, Samuel, and B. M. Korn, New York, N. Y. Mirrored display stand. Des. 93,277; Sept. 11.
- La Plant-Choate Manufacturing Co. Inc. (See Davin, T. V., and Weber, assignors.)
- La Plant-Choate Manufacturing Company Incorporated. (See Pearson Herbert H., assignor.)
- La Plant-Choate Manufacturing Co. Inc. (See Rodler, Waldo E., assignor.)
- Lapointe, Francis J., Ann Arbor, Mich. Automatic broaching machine. 1,951,194; Mar. 13.
- Lapointe, Francis J., Ann Arbor, Mich. Hydraulically cushioned piston. 1,956,988; May 1.
- Lapointe, Francis J., Ann Arbor, Mich. Hydraulic press. 1,956,989; May 1.
- Lapointe, Francis J., Ann Arbor, Mich. Broaching machine. 1,984,974; Dec. 18.
- Lapointe Machine Tool Company, The. (See Monroe, Kenneth C., assignor.)
- Laport, Edmund A., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Push-pull amplifier. 1,944,747; Jan. 23.
- Laporte, Francis L., St. Louis, Mo. Cooler. 1,985,043; Dec. 18.
- La Porte, Ralph P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding tool. 1,985,734; Dec. 25.
- La Porte Specialties, Inc. (See Fara, Ray, assignor.)
- La Porte Specialties, Inc. (See Kreidler, Carl H., assignor.)
- Lapp Insulator Company. (See Jenner, Ralph L., assignor.)
- Lapp, William H., Ames, Iowa. Air conditioning. 1,974,244; Sept. 18.
- Lappin, John L., Merchantville, N. J., assignor to General Electric Company. Electric switch. 1,974,310; Sept. 18.
- Lapsley, Robert, Detroit, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 1,948,723; Feb. 27.
- Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Snap lock mechanism for transmissions. 1,951,876; Mar. 20.
- Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 1,953,113; Apr. 3.
- La Que, Francis D., East Orange, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Dyeing silk containing textiles. 1,963,187; June 19.
- La Radiotechnique. (See Ponte, Maurice, assignor.)
- Larbig, Karl. (See Rünne, Ernst.)
- Larchar, Arthur W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of aliphatic polyhydric alcohols. 1,963,997; June 26.
- Larchar, Arthur W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process for the production of butanol. 1,963,998; June 26.
- Larchar, Arthur W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing polyhydroxy alcohols. 1,963,999; June 26.
- La Resistà Corset Company, The. (See Hawes, George E., assignor.)
- Large, John H., Caldwell, assignor, by mesne assignments, to Oscar Schmidt International Corporation, Jersey City, N. J. Stringed musical instrument. 1,941,559; Jan. 2.
- Large, Samuel R., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Cage or separator for bearings. 1,982,347; Nov. 27.
- Larger, Frank, et al. (See Larger, John B., assignor.)
- Larger, John B., assignor of one-half to F. Larger, Louisville, Ky., and one-half to J. E. Bartel, Cincinnati, Ohio. Piston. 1,961,886; June 5.
- Largever, Max., Bronx, N. Y. Toothbrush. Des. 92,616; June 26.
- Largioll, Remo, et al. (See Adams, Ervin, assignor.)
- Largus Manufacturing Company. (See Gustafson, G. D., and Larsson, assignors.)
- Larison, Eldon L., Anaconda, Mont. Phosphatic material. 1,972,196; Sept. 4.
- Lark, Alexander T., Detroit, Mich. Electric iron handle. 1,958,668; May 15.
- Larkin Co., Inc. (See Hoyt, Lester F., assignor.)
- Larkin, Dennis F., San Francisco, Calif. Ash receiver. 1,941,844; Jan. 2.
- Larkin, Dennis F., assignor to Larkin Specialty Manufacturing Company, San Francisco, Calif. Floor treating appliance. 1,961,518; June 5.
- Larkin, Elwood T., Eggertsville, assignor to C. A. Crique, Buffalo, N. Y. Gas mixing device. 1,947,603; Feb. 20.
- Larkin, Elwood T., Amherst, assignor to Charles A. Crique, Buffalo, N. Y. Piston. 1,949,542; Mar. 6.
- Larkin, James L., Winthrop, assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass. Display stand. 1,949,913; Mar. 6.
- Larkin, Lester U., assignor to Larkin Refrigerating Corporation, Atlanta, Ga. Air conditioner. 1,966,632; July 17.
- Larkin, Lester U., assignor to Larkin Refrigerating Corporation, Atlanta, Ga. Automatically controlled refrigerating system. 1,969,652; Aug. 7.
- Larkin, Lester U., assignor to Larkin Refrigerating Corporation, Atlanta, Ga. Bottle cooler. 1,975,046; Sept. 25.
- Larkin Refrigerating Corporation. (See Larkin, Lester U., assignor.)
- Larkin Specialty Manufacturing Company. (See Larkin, Dennis F., assignor.)
- Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Cylinder controlling mechanism for knitting machines. 1,949,314; Feb. 27.
- Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Dogless attachment for circular rib knitting machines. 1,977,517; Oct. 16.
- Larmour, Harry M., and S. C. Pierce, jr., Merced, Calif. Portland cement manufacture. 1,976,132; Oct. 9.
- Larmour, Harry M., and S. C. Pierce, jr., Merced, Calif. Grinding Portland cement. 1,976,133; Oct. 9.
- Larmuth, John H., Hill Crest, Upper Colwyn Bay, Wales. Stranding, cabling, rope-making, and lapping machine. 1,951,513; Mar. 20.
- Larner Machine Company. (See Anderson, Gilbert V., assignor.)

- Laroche, Eugene, assignor to Paramount Publix Corporation, New York, N. Y. Printing mechanism. 1,949,389; Feb. 27.
- La Rosa, V., & Sons, Inc. (See Tanzi, Guido, assignor.)
- Larouche, Joseph. (See Ingham, W. J., and Larouche.)
- Larrabee, Clinton E., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Electric clock mechanism. 1,962,744; June 12.
- Larrabee, William H., Auburn, assignor to Union Water Meter Company, Worcester, Mass. Frostproof water meter. 1,972,525; Sept. 4.
- Larrabee, William H., Auburn, assignor to Union Water Meter Company, Worcester, Mass. Water meter. 1,972,526; Sept. 4.
- Larrowe-Suzuki Company, The. (See Marshall, Albert E., assignor.)
- Larrowe-Suzuki Company. (See Masuda, R., Royal, and Marshall, assignors.)
- Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor. 1,948,457; Feb. 20.
- Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Sustaining blade for aircraft rotors. 1,950,411; Mar. 13.
- Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft wing, particularly of the rotative type. 1,971,043; Aug. 21.
- Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor. 1,974,074; Sept. 18.
- Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors. 1,980,999; Nov. 20.
- Larsen, Agnew E., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Mounting means for aircraft sustaining rotors. 1,982,113; Nov. 27.
- Larsen, Alantser F., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Percolator heater. 1,944,438; Jan. 23.
- Larsen, Alantser F., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Rotary colander. 1,957,025; May 1.
- Larsen, Albrecht, Kenosha, Wis. Liquid dispensing pump. 1,944,288; Jan. 23.
- Larsen, Alfred P., Wentworth, S. Dak. Heated stock waterer. 1,979,749; Nov. 6.
- Larsen, Carl J., East Orange, N. J., assignor to Wappler Electric Company, Inc. Speed control device for movable grids. 1,941,989; Jan. 2.
- Larsen, Chris V. (See Mortensen, Jorgen, assignor.)
- Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for rod mills. 1,960,017; May 22.
- Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Support for articles. 1,964,585; June 26.
- Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material guiding apparatus for rolling mills. 1,981,146; Nov. 20.
- Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Pump. 1,967,530; July 24.
- Larsen, Henry M. (See Kegl, Z. J., and Larsen.)
- Larsen, Henry M., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating materials. 1,947,476; Feb. 20.
- Larsen, Henry M., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating coating material applied to a core. 1,947,993; Feb. 20.
- Larsen, Henry M., La Grange, and Herbert D. Bredehorn, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyor system. 1,962,745; June 12.
- Larsen, Jacob C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,952,378; Mar. 27.
- Larsen, Lars S., St. Paul, Minn. Paint hardening and drying compound. 1,963,497; June 19.
- Larsen, Leonard O., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cleaning nonferrous alloys. 1,984,534; Dec. 18.
- Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Spring base furniture. Re19,141; Apr. 17.
- Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Chair. Des. 91,667; Mar. 6.
- Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Chair. 1,979,073; Oct. 30.
- Larsen, Louis B., assignor to Acme Motion Picture Projector Company, Chicago, Ill. Motion picture projector "B". 1,942,929; Jan. 9.
- Larsen, Louis H., Englewood, N. J. Automatic stoker. 1,945,050; Jan. 30.
- Larsen, Martin I., Chicago, Ill. Radiator. 1,951,286; Mar. 13.
- Larsen, Martin I., Chicago, Ill. Air heater. 1,971,531; Aug. 28.
- Larsen, Milner E., Bickleton, Wash. High-lift attachment for frameless plows. 1,979,750; Nov. 6.
- Larsen, Neil P., assignor to American Coach and Body Company, Cleveland, Ohio. Motor vehicle. Des. 92,009; Apr. 17.
- Larsen, Neil P., assignor to American Coach and Body Company, Cleveland, Ohio. Motor vehicle body construction. 1,944,439; Jan. 23.
- Larsen, Neil P., assignor to American Coach and Body Company, Cleveland, Ohio. Ladder support. 1,952,761; Mar. 27.
- Larsen, Feder, Canton, Ohio. Odorizing lamp. 1,981,650; Nov. 20.
- Larsen, William H., Racine, Wis. Puzzle. Des. 92,617; June 26.
- Larsh, Everett P., Vandalia, and E. J. Peterhans, assignors to The Master Electric Co., Dayton, Ohio. Inertia governor for rotating bodies. 1,944,011; Jan. 16.
- Larsh, Everett P., Vandalia, assignor to The Master Electric Company, Dayton, Ohio. Electrodynamic machine. 1,983,091; Dec. 4.
- Larson, Alfred T., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydrogen. 1,960,912; May 29.
- Larson, Andrew, Tacoma, Wash. Doorcheck. 1,970,008; Aug. 14.
- Larson, Arved L., Rockville Center, N. Y. Brick wall and waterproofing means therefor. 1,970,326; Aug. 14.
- Larson, Arvid E., Salt Lake City, Utah. Formation of artificial marble. 1,965,900; July 10.
- Larson, Carl G., Attleboro, Mass., assignor to Larson Tool and Stamping Company. Compass. 1,943,921; Jan. 16.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Signal lamp. 1,945,198; Jan. 30.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch. 1,967,247; July 24.
- Larson, Carl H., assignor to The Adlake Company, Elkhart, Ind. Relay. 1,967,942; July 24.
- Larson, Carl H., assignor to The Adlake Company, Elkhart, Ind. Relay. 1,967,943; July 24.
- Larson, Carl H., assignor to The Adlake Company, Elkhart, Ind. Relay. 1,967,944; July 24.
- Larson, Carl H., assignor to The Adlake Company, Elkhart, Ind. Relay. 1,967,945; July 24.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch. 1,967,946; July 24.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch. 1,967,947; July 24.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Making mercury switches. 1,967,949; July 24.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Time delay mercury switch. 1,967,950; July 24.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch relay. 1,967,951; July 24.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,968,529; July 31.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Railway signal. 1,982,439; Nov. 27.
- Larson, Christian P., Duluth, Minn. Liquid vending machine. 1,952,081; Mar. 27.
- Larson, Clifford M., New Rochelle, assignor to Sinclair Refining Company, New York, N. Y. Apparatus for handling soaps. 1,947,994; Feb. 20.
- Larson, David C., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Switching mechanism. 1,959,868; May 22.
- Larson, David C., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Dispatching and scheduling system. 1,966,071; July 10.
- Larson, David C., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Switching mechanism. 1,966,249; July 10.
- Larson, Edward S., assignor to Teletype Corporation, Chicago, Ill. Force measuring device. 1,961,368; June 5.
- Larson, Homer W. (See Haegele, O. P., and Larson.)
- Larson, Ivar G., and W. Fetzer, Chicago, Ill. Lock. 1,977,189; Oct. 16.
- Larson, John M., assignor to National Regulator Company, Chicago, Ill. Two-level temperature thermostat. 1,949,210; Feb. 27.
- Larson, John R., Clinton, Minn. Trailer hitch. 1,972,423; Sept. 4.
- Larson, Knut, Pawtucket, R. I. Fruit juice extractor. 1,957,346; May 1.
- Larson, Le Roy, Hordville, Nebr. Window sash detent. 1,942,966; Jan. 9.
- Larson, Louis, Katonah, N. Y. Household pet's bed. 1,976,234; Oct. 9.
- Larson, Louis, and E. Johnstone, Katonah, N. Y. Automobile body. 1,983,983; Dec. 11.
- Larson, Louis L. (See Collins, A. M., and Larson.)
- Larson, Louis L., Wilmington, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Water-resistant alkaline silicate composition. 1,949,914; Mar. 6.
- Larson, Oscar P. (See Carlson, G. E., Larson, and Swenson.)
- Larson, Theodore G., Bedford, Ohio. Accordion. 1,961,152; June 5.
- Larson, Thor A., Rockford, Ill. Layout instrument. 1,961,500; June 5.
- Larson Tool and Stamping Company. (See Larson, Carl G., assignor.)

- Larsson, Carl A., and P. R. Higson, assignors to Vickers Armstrongs Limited, Westminster, England. Mounting for machine guns carried by aircraft. 1,947,528; Feb. 20.
- Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Coupler. 1,973,570; Sept. 11.
- Larsson, Gösta, Roslags-Nasby, near Stockholm, Sweden. Rock drill. 1,952,264; Mar. 27.
- Larsson, Gustaf P. (See Gustafson, G. D., and Larsson.)
- Larsson, Markus, Berlin, Germany, assignor to Kunst-dunger-Patent-Verwertungs Aktiengesellschaft, Glarus, Switzerland. Treating phosphate rock. Re19,045; Jan. 16.
- Larsson, Thure, assignor to Norton Company, Worcester, Mass. Segmental grinding wheel. 1,979,074; Oct. 30.
- Larsson, Thure, assignor to Norton Company, Worcester, Mass. Grinding wheel. 1,984,936; Dec. 18.
- Larter & Sons, et al. (See Bayard, Armand, assignor.)
- Larter & Sons. (See Larter, Warren R., assignor.)
- Larter, Warren R., South Orange, assignor to Larter & Sons, Newark, N. J. Combination fastener and connector. 1,984,069; Dec. 11.
- La Rue, William D., Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound reproducing machine. 1,942,864; Jan. 9.
- Lasell, Louis M., Sacramento, Calif. Sanitary garbage can. 1,985,508; Dec. 25.
- Laseter, Glenn L., Atlanta, Ga. Article supporting bracket. 1,961,054; May 29.
- Lashar, Walter B., Fairfield, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor blade box. 1,952,596; Mar. 27.
- Lashbrook, Albert S., et al. (See Johnston, William J., assignor.)
- Lasher, Lester L., Beachmont, assignor to S. C. Brody, Brookline, Mass. Automatic blowtorch. 1,966,250; July 10.
- Lasher, Lester L., Beachmont, and A. Goddu, Salem, assignors to S. C. Brody, Brookline, Mass. Blowtorch. 1,966,252; July 10.
- Lasher, Loven, Denver, Colo. Cement composition. 1,945,149; Jan. 30.
- Lasher, Sally W. (See Hart, F. R., and Lasher.)
- Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxy-benzo-quinoline-carboxylic acids. 1,942,108; Jan. 2.
- Laska, Leopold, A. Zitscher, W. Christ, and A. Petzold, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuff containing a nitrosogroup. 1,942,865; Jan. 9.
- Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Arylamino-1-hydroxy-naphthalene-2-carboxylic acids. 1,943,872; Jan. 16.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water and making same. 1,947,946; Feb. 20.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble mono-azo-dyestuffs and fiber dyed therewith. 1,961,519; June 5.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff and making same. 1,970,661; Aug. 21.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff insoluble in water and fiber dyed therewith. 1,970,662; Aug. 21.
- Lasker, Charles H., Joliet, Ill. Water-sealed receptacle. 1,948,820; Feb. 27.
- Lasker, George, Chicago, Ill. Mixing barrier and slag screen. 1,944,330; Jan. 23.
- Lasker, Julius, Roxbury, Mass. Concrete building construction. 1,957,026; May 1.
- Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Punching machine. 1,985,101; Dec. 18.
- Laskowitz, Isidor B., Brooklyn, N. Y. Balanced variable thrust propeller construction. 1,953,963; Apr. 10.
- Laskowitz, Isidor B., Brooklyn, N. Y. Centrifugal variable thrust mechanism. 1,953,964; Apr. 10.
- Laskowitz, Isidor B., Brooklyn, N. Y. Balanced variable delivery pump or blower. 1,972,780; Sept. 4.
- Lasley, Gideon A., Detroit, Mich. Mauseolum and process and apparatus for making the same. 1,957,027; May 1.
- Lassalle, Antonin, San Francisco, Calif. Bottle drying rack. 1,977,190; Oct. 16.
- Lassen, Alma M., New York, N. Y. Card index container for recipes. 1,980,687; Nov. 13.
- Lassen, Elvind U. (See Seeger, E. W., and Lassen.)
- Lassen, Harry C., assignor to Food Machinery Corporation, San Jose, Calif. Rotary sprayer. 1,977,882; Oct. 23.
- Lassiter, John R., Jr., New York, C. E. Quinn, Hastings upon Hudson, N. Y., and J. G. Lapham, Jersey City, N. J., assignors to Drifce Appliances Incorporated, New York, N. Y. Refrigerating apparatus. 1,963,625; June 19.
- Lässker, Jean, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Multicell shuttle box for looms. 1,949,056; Feb. 27.
- Lastovica, Paul. (See Satsky, A. G., and Lastovica.)
- Latchford, William J., jr., assignor to Bohemian Distributing Co. Ltd., Los Angeles, Calif. Bottle. Des. 91,829; Mar. 27.
- Latham, George H. (See Hunt, J. K., and Latham.)
- Latham, Henry, Othello, Wash. Acid resisting pump. 1,975,583; Oct. 2.
- Latham, Jack, Greenwich, Conn., and W. J. Bower, jr., Pelham, N. Y. Folding table attachment. 1,959,539; May 22.
- Latham, Leonard. (See Dickie, W. A., Latham, and Platts.)
- Latherizer Sales Company, The. (See Burlingham, William, assignor.)
- Lathers, Matthew F., Orlando, Fla. Animal toy. Des. 91,889; Apr. 3.
- Lathers, Matthew F., Orlando, Fla. Amusement device. 1,947,859; Feb. 20.
- Lathrop, Alfred L., Waukesha, Wis. Golf bag. 1,955,463; Apr. 17.
- Lathrop, Elbert C. (See Munroe, T. B., and Lathrop.)
- Lathrop, Elbert C., and F. A. Irvine, assignors to The Celotex Company, Chicago, Ill. Water repellent size for fiber products. 1,943,975; Jan. 16.
- Lathrop, Elbert C., and F. A. Irvine, assignors to The Celotex Company, Chicago, Ill. Utilizing fibrous materials. 1,973,637; Sept. 11.
- Lathrop, George A. (See Brodersen, Max M., assignor.)
- Lathrop, Harry D. (See Paulson, Walter H., assignor.)
- Lathrop Investment Corporation. (See Ricks, Hyrum, assignor.)
- Latimer-Goodwin Chemical Company, The. (See Latimer, James N., assignor.)
- Latimer, James N., assignor to The Latimer-Goodwin Chemical Company, Grand Junction, Colo. Manufacture of arsenic acid. 1,974,747; Sept. 25.
- Latora, Marion F. (See Edberg, A. W., Latora, and Shultz.)
- Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Braking apparatus. Re19,259; July 31.
- Lattanzi, Lerino. (See Garigiano, F., and Lattanzi.)
- Lattimer Stevens Company, The. (See Stevens, Charles W., assignor.)
- Latner, Emert J., Cedar Rapids, Iowa. Boiler. Des. 91,716; Mar. 13.
- Latner, Emert J., Cedar Rapids, Iowa. Fan or blower for fuel burners. 1,955,852; Apr. 24.
- Latner, Emert J., Cedar Rapids, Iowa. Fluid fuel burner. 1,957,717; May 8.
- La Tulp, Napoleon J., Oswego, N. Y. Fuel grate section for heaters. 1,973,149; Sept. 11.
- Laub, Hans, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Electrical distribution. 1,947,268; Feb. 13.
- Laub, Stanley V., Detroit, Mich. Toothbrush. 1,947,720; Feb. 20.
- Laub, Stanley V., Detroit, Mich. Toothbrush. 1,947,721; Feb. 20.
- Laub, Stanley V., Detroit, Mich. Toothbrush. 1,947,722; Feb. 20.
- Laub, Stanley V., Detroit, Mich. Toothbrush. 1,975,852; Oct. 9.
- Laube, Charles J., Palisades Park, N. Y. Concrete storage tank with acid-resisting metal linings. 1,970,940; Aug. 21.
- Laubender, Ludwig, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Internal combustion engine. 1,970,382; Aug. 14.
- Laubenfels, Clarence R., Burlington, Iowa. Weed destroyer. 1,960,819; May 29.
- Laubenfels, Clarence R., Burlington, Iowa. Thermostatic switch. 1,970,514; Aug. 14.
- Laubham, Leo, Millvale, Pa. Smoking meats. 1,965,960; July 10.
- Lauchin, George Y., Milwaukee, Wis. Windshield heater. 1,947,013; Feb. 13.
- Laucks, I. F., Inc. (See Cone, Charles N., assignor.)
- Laucks, I. F., Inc. (See Cone, C. N., and Brown, assignors.)
- Laucks, I. F., Inc. (See Cone, C. N., and Galber, assignors.)
- Laucks, I. F., Inc. (See Davidson, G., Cone, Laucks, and Banks, assignors.)
- Laucks, I. F., Inc. (See Laucks, Irving F., assignor.)
- Laucks, Irving F. (See Davidson, G., Cone, Laucks, and Banks.)
- Laucks, Irving F., assignor to I. F. Laucks Inc., Seattle, Wash. Preparing peanut flour for the manufacture of adhesives. 1,942,109; Jan. 2.
- Laucks, Irving F., assignor to I. F. Laucks, Inc., Seattle, Wash. Cellulose unit. 1,973,571; Sept. 11.
- Laucks, Irving F., assignor to I. F. Laucks, Inc., Seattle, Wash. Making an adhesive and product thereof. 1,977,445; Oct. 16.
- Lauenstein, Otto, Wernigerode-on-the-Harz, Germany. Machine for the manufacture of chocolate. 1,971,314; Aug. 21.
- Lauenstein, Otto, Wernigerode-on-the-Harz, Germany. Wrapping and labeling small articles. 1,976,287; Oct. 9.
- Laufe, Henry C., Bogota, N. J. Shaving receptacle. 1,948,987; Feb. 27.
- Laufe, Joseph. (See Wanatik, Samuel H., assignor.)
- Lauer, George B., St. Louis, Mo. Bottle or similar article. Des. 93,193; Aug. 28.

- Laug, Joseph P., Union City, and W. D. Foster, Washington Township, Bergen County, N. J., assignors to Kinatome Patents Corporation. Gate for film handling apparatus. 1,944,031; Jan. 16.
- Laugaudin, Eugene, Gentilly, France. Pneumatic shock absorber. 1,984,144; Dec. 11.
- Laughhead, James F. (See Parkhill, Frederic W., assignor.)
- Laughlin, Guy, Birmingham, Mich. Collet chuck. 1,946,629; Feb. 13.
- Laughlin, Guy, Birmingham, Mich. Collet. 1,955,642; Apr. 17.
- Laughlin, Guy, Birmingham, Mich. Work engaging device for screw machines and the like. 1,958,828; May 15.
- Laughlin, William C., Glendale, Calif., assignor, by mesne assignments, to Filtration Holding Corporation, New York, N. Y. Treating liquids. 1,945,051; Jan. 30.
- Laughlin, William C., Kew Gardens, and A. B. Asch, Brooklyn, assignors, by mesne assignments, to Filtration Equipment Corporation, New York, N. Y. Apparatus for the clarification of sewage liquid. 1,969,022; Aug. 7.
- Laughlin, William C., Kew Gardens, and A. B. Asch, Brooklyn, assignors, by mesne assignments, to Filtration Equipment Corporation, New York, N. Y. Method and apparatus for treating sewage. 1,975,109; Oct. 2.
- Laughton, George A., Birmingham, England. Cuff link. 1,983,235; Dec. 4.
- Laukel, Arthur K., Detroit, Mich. Waterproofing plaster. 1,970,857; Aug. 21.
- Laun, Carl H., assignor to Kiel Furniture Co., Milwaukee, Wis. Furniture construction. 1,948,724; Feb. 27.
- Laun, Henri J., Brooklyn, assignor to J. Olmarsh, New York, N. Y. Textile fabric or similar article. Des. 92,096; Apr. 24.
- Laundries Service Company. (See Martin, Thomas, assignor.)
- Laurent, Milton P., Houston, Tex. Flow nipple. 1,971,159; Aug. 21.
- Laurent, Milton P., assignor to W-K-M Company, Inc., Houston, Tex. Rotary gate valve. 1,969,375; Aug. 7.
- Laurent, Pierre G. (See Augier, J. A., and Laurent.)
- Laurent, Torbern, assignor to Telefonaktiebolaget L. M. Ericson, Stockholm, Sweden. Electrical signal receiver. 1,958,166; May 8.
- Laurent, Torbern, assignor to Telefonaktiebolaget L. M. Ericson, Stockholm, Sweden. Blocking arrangement in electric signaling systems. 1,958,167; May 8.
- Laurin, Louis, and E. Bidot, Dijon, France. Substitute for rubber and its manufacture. 1,969,932; Aug. 14.
- Laursen, Laurits A., Akron, Ohio. Indatable curing bag for tire casings. 1,982,673; Dec. 4.
- Laursen, Laurits A., Akron, Ohio. Sealing ring for tire casings. 1,982,674; Dec. 4.
- Laussucq, Henri P. L., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Wet machine and method. 1,953,240; Apr. 3.
- Lauten, Henry. (See Wilson, H. S., and Lauten.)
- Lautenschläger, Carl L., M. Bockmühl, and W. Persch, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Mercury containing purine compounds and preparing them. 1,948,179; Feb. 20.
- Lautenschläger, Carl L., W. Ludwig, and F. Lindner, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing physiologically active extracts from the anterior lobes of hypophysis. 1,968,156; July 31.
- Lautenschläger, Carl L., and F. Lindner, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing adenosine phosphoric acid. 1,976,175; Oct. 9.
- Lautenschläger, Carl L., and F. Lindner, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Alkali salts of adenylyrophosphoric acids. 1,978,881; Oct. 30.
- Lautenschläger, William F., Cincinnati, Ohio, assignor to Peerless Machinery Company, Boston, Mass. Machine for making a knotted stitch. 1,971,143; Aug. 21.
- Lauter, Fred I., Brooklyn, assignor of one-half to D. H. Hoffman, New York, N. Y. Mechanical musical instrument. 1,961,369; June 5.
- Lauterbach, John, Utica, N. Y. Toy siren whistle. 1,955,815; Apr. 24.
- Lauterbur, Edward J. (See Lauterbur, Frank X. and E. J.)
- Lauterbur, Frank X., deceased, Sidney, Ohio, and E. J. W. S., and L. V. Lauterbur, executors. Dough working machines. 1,949,105; Feb. 27.
- Lauterbur, Frank X., deceased, and E. J. Lauterbur, Sidney, Ohio; W. S. and L. V. Lauterbur, executors. Automatic furnace. 1,970,383; Aug. 14.
- Lauterbur, Frank X. and E. J. Sidney, Ohio; W. S. and L. V. Lauterbur, executors of said F. X. Lauterbur, deceased. Mechanical stoker. 1,970,858; Aug. 21.
- Lauterbur, Leo V., executor, et al. (See Lauterbur, Frank.)
- Lauterbur, Leo V., et al., executors. (See Lauterbur, Frank X. and E. J.)
- Lauterbur, Wilhelmina S., executor, et al. (See Lauterbur, Frank.)
- Lauterbur, Wilhelmina S., et al., executors. (See Lauterbur, Frank X. and E. J.)
- Lauterstein, Harry W., Montclair, assignor, by mesne assignments, to Federal Metal Products Corporation, West New York, N. J. Bed. 1,953,018; Mar. 27.
- Lauth, Edward J., Pittsburgh, and H. C. Bohnke, assignors to Superior Paper Products Company, Carnegie, Pa. Shipping container. 1,960,947; May 29.
- Lauth, Hellmuth. (See Bauer, W., and Lauth.)
- Laux, Frank W., Rochester, N. Y. Humidifier valve. 1,962,991; June 12.
- Laux, John P., Bethlehem, Pa., and E. R. Packer, New Rochelle, N. Y. Lubricating device. 1,981,364; Nov. 20.
- Lauzon, Horace. (See Morin, Paul, assignor.)
- La Valle, Dominick, New York, N. Y. Shoe. Des. 92,966; Aug. 7.
- La Valle, Dominick, Marlboro, N. Y. Shoe. Des. 93,930; Nov. 27.
- Lavallee, Eugene V. (See Shaw, B. E., and Lavallee.)
- Lavanchy, Jean, assignor to Sulzer Frères Societe Anonyme, Winterthur, Switzerland. Control gear for internal combustion engines. 1,969,017; Aug. 7.
- Lavarack, Frederick C., Montclair, N. J., assignor to Railroad Accessories Corporation, New York, N. Y. Terminal block. 1,952,554; Mar. 27.
- Lavarack, Frederick C., Montclair, N. J., and B. A. Lundy, Larchmont, assignors to Railroad Accessories Corporation, New York, N. Y. Cable support. 1,945,488; Jan. 30.
- Lavarack, William H. B., Pine Bush, assignor to Railroad Accessories Corporation, New York, N. Y. Binding post. 1,948,470; Feb. 20.
- Lavender, John W., Opa Locka, Fla. Vehicle trailer. Des. 92,412; June 5.
- LaVercombe, Harley H., Detroit, Mich. Electric cigarette lighter and dispenser. 1,984,070; Dec. 11.
- Lavezzorio, Frank, Oak Park, Ill. Banana transporting and the like. 1,976,568; Oct. 9.
- Lavietes, David P., Brooklyn, N. Y. Smoking pipe. 1,957,968; May 8.
- La Vigne, Jerome R., assignor to Waterbury Buckle Company, Waterbury, Conn. Tag. 1,960,946; May 29.
- La Vigne, Jerome R., assignor to Waterbury Buckle Company, Waterbury, Conn. Suspenders and the like. 1,970,805; Aug. 21.
- Lavino, E. J., and Company. (See Seil, Gilbert E., assignor.)
- Lavoie, Stephen D., Long Island City, N. Y. Balanced amplifier. 1,948,303; Feb. 20.
- Law, Alexander H., Stanford, near Rugby, and J. P. Chittenden, South Lodge Westfield, Rugby, assignors to English Electric Company, Ltd., London, England. Elastic fluid turbine driving electric generators. 1,959,373; May 22.
- Law, Charles R., Mansfield, La. Back rest. 1,975,586; Oct. 2.
- Law, George H. (See Young, C. O., and Law.)
- Law, George H., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Making reaction products of ketene. 1,942,110; Jan. 2.
- Law, George H., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Preparation of acetoacetanilid. 1,982,675; Dec. 4.
- Lawaczek Gesellschaft mit beschränkter Haftung in liquidation. (See Lacher, L., and Neiderreither, assignors.)
- Lawaczek Gesellschaft mit beschränkter Haftung in liquidation. (See Weltes, Friedrich, assignor.)
- Laves, Clifford R. O., Woollahra, near Sydney, New South Wales, Australia. Liquid filter. 1,951,484; Mar. 20.
- Lawler Automatic Controls, Inc. (See Lawler, James J., assignor.)
- Lawler, James J., assignor to Lawler Automatic Controls, Inc., Mount Vernon, N. Y. Pressure reducing valve. 1,951,095; Mar. 13.
- Lawler, John, and W. I. Kavin, assignors to Poultry Producers of Central California, San Francisco, Calif. Shipping container. 1,966,508; July 17.
- Lawler, John K., and C. W. Heath, Sioux City, Iowa. Appointment clock. 1,954,212; Apr. 10.
- Lawler, Michael K., assignor to Swift and Company, Chicago, Ill. Meat-soaking mechanism. 1,976,448; Oct. 9.
- Lawler, William L., Birmingham, Ala. Power churn. 1,982,059; Nov. 27.
- Lawless, Charles N., and J. Blackwood, Detroit, Mich. Boiler construction. 1,943,125; Jan. 9.
- Lawless, Donald O. (See De Haas, M., and Lawless.)
- Lawson, Levering, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for agglomerating. 1,942,480; Jan. 9.
- Lawrence, A. C., Leather Company. (See Bell, K. E., and McDonald, assignors.)
- Lawrence, A. C., Leather Company. (See Griffin, Roger L., assignor.)
- Lawrence, A. C., Leather Company. (See Griffin, R. L., and O'Neill, assignors.)
- Lawrence, A. C., Leather Company. (See Landolphi, Nicholas, assignor.)
- Lawrence Abbott W., et al. (See Hayden, Arthur C., assignor.)
- Lawrence, Alexander, Pawtucket, R. I. Automobile signal light. 1,982,256; Nov. 27.
- Lawrence, Catherine B. (See Lawrence, Clifford E., assignor.)
- Lawrence, Cecil H., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Hand mirror or the like. Des. 91,668; Mar. 6.
- Lawrence, Cecil H., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Hand mirror or the like. Des. 91,669; Mar. 6.

- Lawrence, Cecil H., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Hand mirror or the like. Des. 93,278; Sept. 11.
- Lawrence, Clifford E., Newton Highlands, assignor to Catherine Blum Lawrence, Boston, Mass. Pictorial art composition. 1,942,339; Jan. 2.
- Lawrence, E. A. (See Miller, W. J., and Lawrence.)
- Lawrence, Ernest O., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. Method and apparatus for the acceleration of ions. 1,948,384; Feb. 20.
- Lawrence, Frank V. (See Engel, F. A., Lawrence, and Hudson.)
- Lawrence, Franklin I. L., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbons. 1,963,092; June 19.
- Lawrence, Fred, assignor to M. O'Donnell, Pontiac, Mich. Manufacturing displays. 1,956,448; Apr. 24.
- Lawrence, Fred, assignor to Max O'Donnell, Pontiac, Mich. Electromagnetic holder structure. 1,976,176; Oct. 9.
- Lawrence, Frederick R. (See Klayman, F. I., and Lawrence.)
- Lawrence, George F., London, England. Device for re-sharpening razor blades. 1,958,508; May 8.
- Lawrence, George H., Portland, Oreg. Cigarette making device. 1,965,706; July 10.
- Lawrence, George L. (See Bergstrom, K. H., and Lawrence.)
- Lawrence, George L., Melrose, Mass., assignor, by mesne assignments, to Waters Genter Company, Minneapolis, Minn. Toaster for bread and the like. 1,967,209; July 17.
- Lawrence, George W. (See Waite, G. G., and Lawrence.)
- Lawrence, George W., assignor to W. J. Pearson, Los Angeles, Calif. Paper feed for parcel post machines. 1,963,205; June 19.
- Lawrence, Harold J., assignor to Stromberg Motoscope Corporation, Chicago, Ill. Reservoir for mercury instruments. 1,983,297; Dec. 4.
- Lawrence, Jay B., Glen Ellyn, assignor to American De-calcomania Co., Chicago, Ill. Stamp, etc. 1,985,834; Dec. 25.
- Lawrence, John M. (See Lindstrom, H. H., Lawrence, and Bower.)
- Lawrence, John T., Inman, S. C. Collapsible fish basket. 1,985,177; Dec. 18.
- Lawrence, Kenneth J. (See Reinert, C. H., and Lawrence.)
- Lawrence, Lloyd C., Ariel, Pa. Bottle cap and opener. 1,978,272; Oct. 23.
- Lawrence, Norbert E., Denver, Colo., assignor to Jewelite Inc. Electric display device. 1,971,144; Aug. 21.
- Lawrence, Ottley B., Gaffney, S. C. Vaporizing burner. 1,944,842; Jan. 23.
- Lawrence, Otto U., East Pound Brook, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitation. 1,953,082; Apr. 3.
- Lawrence, Stillson F., New York, N. Y. Tire construction. 1,976,235; Oct. 9.
- Lawrence, Winthrop S., Brooklyn, assignor to Kaumagraph Company, New York, N. Y. Transfer. 1,941,697; Jan. 2.
- Lawrence, Winthrop S., Brooklyn, assignor to Kaumagraph Company, New York, N. Y. Transfer. 1,954,451; Apr. 10.
- Lawrence, Winthrop S., assignor to Kaumagraph Company, New York, N. Y. Marking composition. 1,954,450; Apr. 10.
- Lawrence, Winthrop S., assignor to Kaumagraph Company, New York, N. Y. Transfer and transfer marking composition. 1,977,680; Oct. 23.
- Lawrence, Winthrop S., Rego Park, assignor to Kaumagraph Company, New York, N. Y. Transfer. 1,954,878; Apr. 17.
- Lawrence, Winthrop S., Rego Park, assignor to Kaumagraph Company, New York, N. Y. Transfer. 1,968,083; July 31.
- Lawrence, Winthrop S., Rego Park, V. Tuma, Astoria, and I. F. B. Hutton, Woodhaven, assignors to Kaumagraph Company, New York, N. Y. Marking materials. 1,979,331; Nov. 6.
- Lawson, Albert R., Hamilton, assignor, by mesne assignments, to Moore Corporation, Limited, Toronto, Ontario, Canada. Manufacture of manifolding books. Re19,332; Oct. 2.
- Lawson, Albert R., Hamilton, and L. Huffman, Toronto, Ontario, Canada. Manifolding form. 1,953,241; Apr. 3.
- Lawson, Arthur W., Elizabeth, and R. A. Dickson, Newark, N. J., assignors to Standard Oil Development Company. Fire blanket spreader. 1,951,798; Mar. 20.
- Lawson, Axel A. (See Miner, G. A., and Lawson.)
- Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,948,525; Feb. 27.
- Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon the soles of shoes. 1,955,753; Apr. 24.
- Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,957,463; May 8.
- Lawson, Harry B. (See Nye, A. F., and Lawson.)
- Lawson, Holzer L., and J. Stampfli, assignors to Specialty Engineering Co. Reg'd. Montreal, Quebec, Canada. Cigarette machine. 1,969,180; Aug. 7.
- Lawson, John F., Brooklyn, N. Y., assignor to Steel and Tubes, Inc. Drier. 1,955,301; Apr. 17.
- Lawson, Kate M., Surbiton, England. Golf practising machine. 1,982,525; Nov. 27.
- Lawson, Lloyd L., Renton, and P. Sand, Seattle, Wash. Liquid separator. 1,955,853; Apr. 24.
- Lawson, Oscar L., Lynn, Mass. Tool. 1,959,587; May 22.
- Lawson, Oscar L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 1,981,868; Nov. 27.
- Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Dial knitting machine. 1,949,390; Feb. 27.
- Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine and method. 1,952,928; Mar. 27.
- Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Stop mechanism. 1,956,990; May 1.
- Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting multithread fabric. 1,961,636; June 5.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,963,170; June 19.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting mechanism. 1,963,171; June 19.
- Lawson, Walter E. (See Dysktra, H. B., and Lawson.)
- Lawson, Walter E. (See Graves, G. D., and Lawson.)
- Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial fabric containing resins. 1,953,083; Apr. 3.
- Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,967,955; July 24.
- Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of vinyl naphthalene. 1,982,676; Dec. 4.
- Lawson, Walter E., Wilmington, Del., and L. T. Sandborn, Wausau, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of vinyl compounds in the presence of film forming materials. 1,975,959; Oct. 9.
- Lawson, Wilfrid G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for molding articles from plastic material. 1,969,083; Aug. 7.
- Lawton, Harvey B., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Electric switch. 1,949,938; Feb. 27.
- Lawton, Joseph J. (See Conklin, E. B., and Lawton.)
- Lawton, Robert B. (See Johnson, J. F., and Lawton.)
- Laxo, Ed. (See Dodge, M. L., and Laxo.)
- Lay, Egebert F., Austin, and C. W. Shirley, assignors of one-fifth to Cecil G. Shirley, Houston, Tex. Butter melting and spreading device. 1,967,443; July 24.
- Laybolt, Harry, Brockton, assignor to Plymouth Rubber Company, Inc., Canton, Mass. Shoe sole. 1,979,391; Nov. 6.
- Layer, George. (See Schuck, C., and Layer.)
- Layer, George. (See Schuck, C., jr., and Layer.)
- Layne & Bowler. (See Fabrin, Axel O., assignor.)
- Layne, Leslie A., Houston, Tex. Hydraulic setting tool. 1,945,943; Feb. 6.
- Layne, Leslie A., Houston, Tex. Placing divided materials at relatively inaccessible points. 1,975,162; Oct. 2.
- Layth-Grindar Corporation. (See Sarossy, Albert, assignor.)
- Layton, Jason G., Olean, N. Y. Hybrid tea rose. Pl. Pt. 115; Dec. 11.
- Lazar, Abraham, assignor of one-half to D. George, Chicago, Ill. Aquatic accessory. 1,961,670; June 5.
- Lazar, Arthur, Associated, assignor to Associated Oil Company, San Francisco, Calif. Manufacture of medicinal oils from mineral oils. 1,964,953; July 3.
- Lazar, Arthur, Associated, assignor to Associated Oil Company, San Francisco, Calif. Treating hydrocarbon oils. 1,976,177; Oct. 9.
- Lazar, Arthur, Associated, and J. M. Evans, Berkeley, assignors to Associated Oil Company, San Francisco, Calif. Treating hydrocarbon oils. 1,953,353; Apr. 3.
- Lazar, Emil, Milwaukee, Wis. Game. 1,951,056; Mar. 13.
- Lazarus, Harry, Chicago, Ill. Display device. Des. 92,146; May 1.
- Lazarus, Meyer, Brooklyn, N. Y. Electric rectifying system. 1,961,153; June 5.
- Lazarus, Simon, Louisville, Ky. Sweatband. 1,958,345; May 8.
- Lazich, Branko, Edgewood, Pa. Automatic generating plant. 1,976,236; Oct. 9.
- Lazich, Branko, Edgewood, and H. E. Ashworth, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,963,750; June 19.
- Lazich, Branko, and H. E. Ashworth, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,966,965; July 17.
- Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic dehydrogenation process for producing esters. 1,949,425; Mar. 6.
- Lazier, Wilbur A., Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic dehydrogenation of primary alcohols. 1,975,853; Oct. 9.
- Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing oxygenated organic compounds. 1,984,884; Dec. 18.

- Lazier, Wilbur A., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation process. 1,964,000; June 26.
- Lazier, Wilbur A., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process for the preparation of organic compounds. 1,964,001; June 26.
- L'Azote Français. (See Lefort des Ylouses, Gaston, assignor.)
- Lea, Dudley L., Findlay, Ohio. Truck construction. 1,965,943; July 10.
- Lea, Dudley L., Findlay, Ohio. Truck construction. 1,965,944; July 10.
- Lea, Edward S., Morrisville, Pa., assignor to Fitz Gibbon & Crisp, Inc., Trenton, N. J. Humidifier. 1,979,630; Nov. 6.
- Lea, Henry I., Santa Monica, Calif. Still and evaporation apparatus. 1,971,492; Aug. 28.
- Leach, Albert E., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Axle housing. 1,973,905; Sept. 18.
- Leach, Arthur H., Hayward, assignor of one-half to C. Ruh, Oakland, Calif. Process and apparatus for dehydrating eggs. 1,961,770; June 5.
- Leach, C. H. Company. (See Weber, Nicholas, assignor.)
- Leach, Charles H., Roselle, N. J. Refining apparatus. Re19,377; Nov. 20.
- Leach, Charles H., Roselle, N. J. Oil refining apparatus. Re19,378; Nov. 20.
- Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 1,979,751; Nov. 6.
- Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 1,980,626; Nov. 13.
- Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 1,980,627; Nov. 13.
- Leach, Claude E., Los Angeles, assignor, by mesne assignments, to Alexander Anderson, Fullerton, Calif. Apparatus for determining the inclination of well holes. 1,976,737; Oct. 16.
- Leach Company. (See Hamren, Eric O., assignor.)
- Leach Company. (See Leach, E. C., and Hamren.)
- Leach, Edward A., Schenectady, N. Y., assignor to General Electric Company. Clamping device for water-jacketed power tubes. 1,944,748; Jan. 23.
- Leach, Edward A., Schenectady, N. Y., assignor to General Electric Company. Condenser assembly. 1,983,379; Dec. 4.
- Leach, Elbert C., and E. O. Hamren, assignors to Leach Company, Oshkosh, Wis. Extension ladder. 1,964,067; June 26.
- Leach, Elbert C., and E. O. Hamren, assignors to Leach Company, Oshkosh, Wis. Truck mixer. 1,982,817; Dec. 4.
- Leach, James T., Cleveland, Ohio. Apparatus for tiering strips. 1,942,558; Jan. 9.
- Leach, Lester L., Allentown, assignor to Fuller Lehigh Company, Fullerton, Pa. Grinding mill. 1,952,322; Mar. 27.
- Leach, Lester L., New York, N. Y., assignor to Fuller Lehigh Company, Fullerton, Pa. Ball pusher for grinding mills. 1,975,514; Oct. 2.
- Leach, Ralph W. E., Winchester, Mass. Composition of matter and process therefor. 1,977,728; Oct. 23.
- Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloy. 1,952,082; Mar. 27.
- Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloy. 1,952,083; Mar. 27.
- Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloy. 1,969,018; Aug. 7.
- Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloy. 1,969,019; Aug. 7.
- Leach, Vernon G., assignor to Modern Coal Burner Company, Chicago, Ill. Drive control device for stokers. 1,968,407; July 31.
- Leach, Walter R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. Des. 91,528; Feb. 20.
- Leach, Walter R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. Des. 91,670; Mar. 6.
- Leach, Walter R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. Des. 92,413; June 5.
- Leach, Walter R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. Des. 92,542; June 19.
- Leach, Walter R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. Des. 93,116; Aug. 21.
- Leach, Walter R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. Des. 93,117; Aug. 21.
- Leach, William W., Mansfield, Ohio. Automatic polisher for rolls. 1,977,001; Oct. 16.
- Leaf, Anna R., et al. (See Kneis, William M., assignor.)
- Leaf, Lars T., et al. (See Kneis, William M., assignor.)
- Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Ice-cream cone. Des. 91,274; Jan. 2.
- Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Ice cream cone. Des. 92,010; Apr. 17.
- Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Ice cream cone. Des. 92,261; May 15.
- Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Ice cream cone. Des. 92,967; Aug. 7.
- Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Ice cream cone. Des. 93,627; Oct. 16.
- Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Food product. 1,950,734; Mar. 13.
- League, Walter R., Calwa, Calif. Combination ice creeper and guard device. 1,954,569; Apr. 10.
- Leahey, Edward M., Ottawa, Ontario, Canada. Photographic developing apparatus. 1,969,893; Aug. 14.
- Leahy, Albert M. (See Lutts, C. G. and Leahy.)
- Leahy, Frank E., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Open hearth furnace operation. 1,955,589; Apr. 17.
- Leahy Manufacturing Co. (See Willi, Julius E., assignor.)
- Leak, Arthur H., Hamburg, N. Y., assignor to Wright Aeronautical Corporation. Multiple master connecting rod assembly. 1,962,246; June 12.
- Leake, Arthur G., Bridgeport, Conn. Reenforcing structural member. 1,954,357; Apr. 10.
- Leake, Arthur G., Bridgeport, Conn. Restoring deteriorated rivet heads. 1,954,358; Apr. 10.
- Leake, Arthur G., Bridgeport, Conn. Restoring effectiveness of deteriorated rivets. 1,954,359; Apr. 10.
- Leake, Arthur G., Bridgeport, Conn. Reenforcing compression members. 1,967,827; July 24.
- Leake, Arthur G., Bridgeport, Conn. Reenforcement for pin connected bridge trusses. 1,967,828; July 24.
- Leake, Arthur G., Bridgeport, Conn. Structural connection. 1,970,965; Aug. 21.
- Leake, Arthur G., Bridgeport, Conn. Reenforcing beams and girders under load. 1,970,966; Aug. 21.
- Leake, Hugh M., Cambridge, England. Seed drill. 1,979,948; Nov. 6.
- Leake, James M., Toledo, Ohio. Building set. 1,955,194; Apr. 17.
- Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,969,084; Aug. 7.
- Leake, Thomas C., White Plains, N. Y. Traction chain for tractors. 1,952,174; Mar. 27.
- Leander, Knut, Albany, assignor to Ludlum Steel Co., Watervliet, N. Y. Swinging grinder. 1,966,930; July 17.
- Lear, Clyde E., Monessen, Pa., assignor to Page Steel and Wire Company, New York, N. Y. Attachment fitting. 1,947,995; Feb. 20.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Safety device for rock drills. 1,944,247; Jan. 23.
- Lear, Joseph D., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigerant control device. 1,965,552; July 3.
- Lear, Joseph D., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Beverage cooler. 1,965,553; July 3.
- Lear, Joseph D., assignor to Sterling Automotive Products Corporation, Buffalo, N. Y. Tire valve. 1,969,224; Aug. 7.
- Lear, Joseph D., assignor to Sterling Automotive Products Corporation, Buffalo, N. Y. Tire valve. 1,969,225; Aug. 7.
- Lear, William P., assignor to Grigsby-Grunow Company, Chicago, Ill. Radio apparatus. 1,944,139; Jan. 16.
- Lear, William P., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio control device. 1,959,869; May 22.
- Lear, William P., assignor, by mesne assignments, to Meissner Manufacturing Company, Chicago, Ill. Coupling device. 1,971,315; Aug. 21.
- Lear, William P., Chicago, Ill., and M. E. Nulsen, assignors to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Magnetic interrupter. 1,943,240; Jan. 9.
- Lear, William P., Chicago, Ill., and M. E. Nulsen, assignors to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Magnetic interrupter. 1,944,940; Jan. 30.
- Learned, Edwin J., et al. (See Keown, John M., assignor.)
- Leary, Edward T., et al. (See Viruette, Joseph D., assignor.)
- Leary, James W., Bloomfield, N. J., assignor to American Machine & Foundry Company. Pin roller for tobacco feeds. 1,981,517; Nov. 20.
- Leatherless Plunger Pump Corporation. (See Ruthven, Albert F., assignor.)
- Leatherman, Clarence M. (See Miner, E. L., and Leatherman.)
- Leatherman, Martin, Hyattsville, Md., dedicated to the free use of the Public in the territory of the United States of America. Fireproofing cellulosic materials. 1,961,108; May 29.
- Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Floor aligning sweeper. 1,946,585; Feb. 13.
- Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Vacuum cleaner nozzle. 1,950,450; Mar. 13.
- Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Bagless vacuum cleaner. 1,954,416; Apr. 10.
- Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Automatic electric switch handle. 1,955,967; Apr. 24.
- Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Electric sweeper. 1,968,530; July 31.
- Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Vacuum cleaner. 1,971,493; Aug. 28.
- Leaver, James M., Jr., Oakland, Calif., assignor of one-half to Donald Parker and Citizens National Trust and Savings Bank of Riverside, administrators. Bundle binding and tying machine. 1,983,473; Dec. 4.
- Leaverton, Earl, Cherokee, Iowa. Oiler. 1,971,224; Aug. 21.
- Leavitt, James P. H., New Haven, Conn. Pilferproof box. 1,945,613; Feb. 6.

- Leavy, William L., Baltimore, Md. Form fitting diaper. 1,941,868; Jan. 2.
- Lebanon Steel Foundry. (See Jones, Abner C., assignor.)
- Le Baron, Robert F., New York, N. Y., assignor, by mesne assignments, to Standard Alcohol Company, Wilmington, Del. Sulphating olefines. 1,966,072; July 10.
- Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Signaling means. 1,964,325; June 26.
- Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Light projector. 1,963,800; July 31.
- Lebedeff, Yuril E. (See Betterton, J. O., and Lebedeff.)
- Lebel, Louis, Montreal, Quebec, Canada, assignor to J. J. Rosenthal, New York, N. Y. Lifting jack apparatus for vehicles. 1,975,278; Oct. 2.
- Lebel, Stanislas, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Method of and apparatus for coating paper. 1,980,923; Nov. 13.
- Leberherz, Harry J., assignor to The Everedy Company, Frederick, Md. Cigarette extinguisher and ash tray. 1,941,607; Jan. 2.
- Le Bleu, Charles, Los Angeles, Calif. Rolling dirt mover. 1,974,717; Sept. 25.
- Le Bleu, Charles, assignor to Mack Wooldridge, Los Angeles, Calif. Scraper. 1,958,195; May 8.
- Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
- Le Blond-Schacht Truck Co., The. (See Mueller, George, assignor.)
- Lebo, Robert B., Elizabeth, N. J., assignor to Standard Alcohol Company. Purification of secondary alcohols. 1,949,211; Feb. 27.
- Le Boeuf, Arthur W., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,970,462; Aug. 14.
- Le Bourveau, Harry V., New York, N. Y., assignor to Shell Development Company, San Francisco, Calif. Fill pipe locking device. 1,985,787; Dec. 25.
- Lebowitz, Samuel H., New York, N. Y. Bottle closure and dropper. 1,982,440; Nov. 27.
- Lebre, Victor N., Louisville, Ky. Platform attachment for stepladders. 1,981,423; Nov. 20.
- Le Brell, John, jr. (See Holzer, W. and Le Brell.)
- Le Breton, Léon, Les Lilas, assignor to Société a Responsabilité Limitée, Carburateur Nutrix, Courbevoile, France. Carburetor. 1,971,293; Aug. 21.
- Le Brie, Ludwig E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,984,883; Dec. 18.
- Le Cain, John A., East Orange, N. J. Steam engine valve gear. 1,969,020; Aug. 7.
- Lechler, Firma Paul. (See Hutzenlaub, Eugen, assignor.)
- Leckband, Erwin M., Hutchinson, Minn. Box cover fastener. 1,973,572; Sept. 11.
- Lecler, Charles. (See Houdaille, M., and Lecler.)
- Lecluyse, Henri, Montreal, Quebec, Canada. Slat link for rolling shutters. 1,966,728; July 17.
- Le Comte & Co., Inc. (See Le Comte, Victor K., assignor.)
- Le Comte, Victor K., Forest Hills, N. Y., assignor to Le Comte & Co., Inc. Container. 1,974,539; Sept. 25.
- Le Compte, William G., assignor to Jenkins Bros., New York, N. Y. Hand wheel for manually operable valves. 1,958,165; May 8.
- Le Cour, Albert E. and E., assignors of one-third to H. W. Haverson, one-third to A. E. Le Cour, and one-third to E. Le Cour, St. Louis, Mo. Hydraulic brake. 1,943,679; Jan. 16.
- Le Cour, Emile, et al. (See Le Cour, Albert E. and E.)
- Lecuona, Jose C., Stockton, Calif. Polishing device. 1,948,423; Feb. 20.
- Ledbetter, James C., Jackson Heights, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,950,802; Mar. 13.
- Leddy, Leo P. (See Fisher, H. W., and Leddy.)
- Ledeboer, John W., Ambler, Pa., assignor to Ambler Asbestos Shingle & Sheathing Company. Corrugated sheathing and forming same. 1,944,895; Jan. 30.
- Ledeboer, John W., Ambler, Pa., assignor, by mesne assignments, to Kinsley & Mattison Company. Making panel board. 1,982,314; Nov. 27.
- Leder, Rudolph, New York, N. Y. Jeweler's clamp. 1,947,912; Feb. 20.
- Lederer, Anton, Vienna, Austria, deceased, C. Danzer and General Conrad Rands, executors, assignors to E. A. Lederer, Glen Ridge, N. J. Electron emitting body and its manufacture. 1,948,445; Feb. 20.
- Lederer, Anton, Vienna, Austria, deceased; C. Danzer and G. C. Randa, executors, assignors, by mesne assignments, to General Electric Vapor Lamp Company. Low voltage discharge tube. 1,968,839; Aug. 7.
- Lederer, Edward H. (See Cleveland, R. L., and Lederer.)
- Lederer, Ernest A. (See Lederer, Anton, assignor.)
- Lederer, Ernest A. (See Marden, J. W., and Lederer.)
- Lederer, Ernest A., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Producing high vacuum. 1,952,717; Mar. 27.
- Lederer, Ernest A., and J. W. Marden, East Orange, N. J., assignors to Westinghouse Lamp Company. Electron discharge device with indirectly heated cathode. 1,945,746; Feb. 6.
- Lederer, Irving R., Providence, R. I. Clasp for cord bracelets. 1,957,274; May 1.
- Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Ammeter. 1,951,799; Mar. 20.
- Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Millivoltmeter. 1,958,006; May 8.
- Ledgerwood, Carl W. (See Nelson, E. C., Ledgerwood, and Wilson.)
- Ledin, Sven H. (See Naucier, J. O., and Ledin.)
- Ledin, Sven H. (See Oman, E., and Ledin.)
- Ledin, Sven H., Stockholm, Sweden. Moistureproof igniting composition, especially for matches, and match prepared therewith. 1,942,866; Jan. 9.
- Ledoga, S. A. Prodotti Chimici e Farmaceutici. (See Maffei, Giacomo, assignor.)
- Le Doux, Alfred, et al. (See Le Doux, Edward, assignor.)
- Le Doux, Clement, et al. (See Le Doux, Edward, assignor.)
- Le Doux, Edward, Pawtucket, assignor of one-third to A. Le Doux and one-third to C. Le Doux, Providence, R. I. Eyeglasses. 1,942,298; Jan. 2.
- Le Duc, John M., Minneapolis, Minn. Self-lubricating valve. 1,942,031; Jan. 2.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body. Des. 92,147; May 1.
- Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Windshield frame construction. 1,962,449; June 12.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,966,251; July 10.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle roof construction. 1,968,531; July 31.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body drip channel construction. 1,972,267; Sept. 4.
- Ledyard-Haury Company, The. (See Haury, Norman F., assignor.)
- Lee, Alva D., Requa, Calif. Extracting metals from ores. 1,947,860; Feb. 20.
- Lee, Arthur L., Gibsonia, Pa. Torque limiting coupling. 1,942,512; Jan. 9.
- Lee, Arthur L., Gibsonia, Pa. Cutter chain. 1,961,370; June 5.
- Lee, Arthur L., Gibsonia, Pa. Mine car wheel. 1,983,177; Dec. 4.
- Lee, Charles M. (See Corlette, D. H., and Lee.)
- Lee, Clifford C., Aberdeen, S. Dak. Valve seat grinder. 1,948,792; Feb. 27.
- Lee, Clifford C., Aberdeen, S. Dak. Connecting machine parts. 1,952,379; Mar. 27.
- Lee, Donald H., Kenosha, Wis. Automobile seat. 1,958,481; May 15.
- Lee, Dudley P. (See Bright, J. J., and Lee.)
- Lee, Edward E., Los Angeles, Calif. Automatic strip photographic camera. 1,973,318; Sept. 11.
- Lee Engineering Research Corporation. (See Lee, Royal, assignor.)
- Lee, Fred, Binghamton, and G. F. Daly, Johnson City, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Duplicating machine. 1,976,618; Oct. 9.
- Lee, Frederick E., Trail, British Columbia, assignor to The Consolidated Mining and Smelting Company of Canada Limited, Montreal, Canada. Treatment of zinc sulphide ores. 1,969,567; Aug. 7.
- Lee, Frederick S., Los Angeles, Calif. Eye glass shade. Des. 94,150; Dec. 25.
- Lee, Frederick W., Baltimore, Md. Conducting geological survey. 1,951,760; Mar. 20.
- Lee, Frederick W., Baltimore, Md., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. Re19,129; Apr. 3.
- Lee, George E., Cleveland, assignor to Mahoning Savings and Trust Company, Youngstown, Ohio. Printing press. 1,950,086; Mar. 6.
- Lee, George G. (See Hall, Stephen E., assignor.)
- Lee, George M. (See Cavers, T. W., and Lee.)
- Lee, George R., Yates Center, Kans. Spout and closure. 1,981,112; Nov. 20.
- Lee Hardware Company, The. (See Healy, Leon J. D., assignor.)
- Lee, Harley C. (See McCaughey, W. J., and Lee.)
- Lee, Harry E., Oswego, N. Y. Valve bag. 1,957,839; May 8.
- Lee, Harry S., Detroit, Mich. Cement clinker cooling chamber or the like. 1,941,560; Jan. 2.
- Lee, Harry S., Detroit, Mich. Cement clinker chamber or the like. 1,941,561; Jan. 2.
- Lee, Henry R. (See Buxbaum, E. C., and Lee.)
- Lee, Henry R., South Milwaukee, Wis., assignor, by mesne assignments, to Newport Industries, Inc. Refining wood rosin. 1,973,172; Sept. 11.
- Lee, Henry R., South Milwaukee, and E. C. Buxbaum, Shorewood Village, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of purpurin. 1,985,452; Dec. 25.
- Lee, Horace W., assignor to Kapella Limited, Leicester, England. Lens. 1,955,590; Apr. 17.
- Lee, Horace W., assignor to Kapella Limited, Leicester, England. Lens. 1,955,591; Apr. 17.
- Lee, Ira E. (See Calcott, W. S., and Lee.)
- Lee, Ira E. (See Calcott, W. S., Lee, and Bake.)
- Lee, James E., and F. Barney, assignors to The Challenge Machinery Company, Grand Haven, Mich. Printer's quoin. 1,948,821; Feb. 27.

- Lee, James E., and F. Barney, assignors to The Challenge Machinery Company, Grand Haven, Mich. Type-high machine. 1,958,793; May 15.
- Lee, James F., Stockton, Calif. Multiple tubular lead-in. 1,944,186; Jan. 23.
- Lee, James F., assignor to Hardwick Stove Company, Cleveland, Ohio. Oven door. 1,951,698; Mar. 20.
- Lee, John E., assignor to Wonder Hoe Company, Fort Worth, Tex. Weeding tool. 1,954,250; Apr. 10.
- Lee, John W., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Drilling machine. 1,971,418; Aug. 28.
- Lee, John W., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Pressure regulator for pressure presses. 1,971,419; Aug. 28.
- Lee, Lars P., Seattle, Wash. Steel saw-tooth. 1,955,137; Apr. 17.
- Lee, Leif, Youngstown, Ohio. Rolling mill and method of rolling. 1,966,554; July 17.
- Lee, Manley G. (See Styron, George F., assignor.)
- Lee, Martin L., Brooklyn, N. Y. Automobile key and license holder. 1,953,490; Apr. 3.
- Lee, Norman, assignor of one-half to T. H. Greear, Volin, S. Dak. Automatic brake mechanism for trailers. 1,983,474; Dec. 4.
- Lee, Oscar, Isabella, Tenn. Cooling and moistening material. 1,942,897; Jan. 9.
- Lee, Paul F. (See Small, L. F., Lee, and Jennings.)
- Lee, Ralph L., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,983,550; Dec. 11.
- Lee, Richard V., Calistoga, Calif. Safety device. 1,946,940; Feb. 13.
- Lee, Roger F., and A. R. Bloxham, Erdington, assignors to Dunlop Rubber Company Limited, Birmingham, England. Apparatus for testing extensible threads. 1,962,020; June 5.
- Lee, Roger K. (See Humphrey, C. L., and Lee.)
- Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Spring suspension. 1,952,718; Mar. 27.
- Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Vibration damper. 1,962,746; June 12.
- Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Vibration damper. 1,976,789; Oct. 16.
- Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,957,218; May 1.
- Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Coating articles. 1,967,031; July 17.
- Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Internal combustion engine mounting. 1,975,960; Oct. 9.
- Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Vibration damper for vehicle propelling apparatus. 1,984,413; Dec. 18.
- Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Coating metal articles. 1,984,414; Dec. 18.
- Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Hydraulic control for motor mountings. 1,986,541; Nov. 13.
- Lee, Roger K., Highland Park, Mich., and E. F. Zaparka, Baltimore, Md. Propeller. 1,977,681; Oct. 23.
- Lee, Roger K., and C. L. Humphrey, Highland Park, assignors to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,944,248; Jan. 23.
- Lee, Roscoe F., assignor to Lee Transit Mixer Corporation, Indianapolis, Ind. Transit concrete mixer. 1,985,610; Dec. 25.
- Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Motor controlling apparatus. 1,979,890; Nov. 6.
- Lee, Thomas L. (See Mullen, R. F., and Lee.)
- Lee, Thomas L., assignor to North East Appliance Corporation, Rochester, N. Y. Speedometer-odometer spring aligner. 1,950,617; Mar. 13.
- Lee Transit Mixer Corporation. (See Lee, Roscoe F., assignor.)
- Lee, Walter J., Cuyahoga Falls, Ohio, assignor to Sears, Roebuck and Co., Chicago, Ill. Tire. 93,775; Nov. 6.
- Lee, Walter R., Ocala, Fla. Flying toy. 1,981,050; Nov. 20.
- Lee, Warren, Los Angeles, Calif. Refreshment building. Des. 93,665; Oct. 23.
- Lee, William F. (See Muse, Melvin E., assignor.)
- Lee, William H., Toronto, Ontario, Canada. Combined floor waxer and polisher. 1,966,633; July 17.
- Lee, William M., assignor to Kelley-Koett Mfg. Co., Inc., Covington, Ky. Automatic cassette changer. 1,977,770; Oct. 23.
- Leeb, John S., and C. J. Huber, Baltimore, Md. Fluid pressure brake control. 1,953,242; Apr. 3.
- Leeborg, Edward, Roselle, N. J. Turf fork. 1,982,749; Dec. 4.
- Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Spring drive. 1,962,993; June 12.
- Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Spring drive. 1,962,994; June 12.
- Leece, Bennett M., Cleveland, and D. S. Cole, Cleveland Heights, assignors to The Leece-Neville Company, Cleveland, Ohio. Generating system. 1,962,992; June 12.
- Leece, Leicester L., Cleveland, Ohio. Gear shift. 1,969,416; Aug. 7.
- Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
- Leece-Neville Company, The. (See Leece, B. M., and Cole, assignors.)
- Leedon, L. D. (See Upper, Eugene L., assignor.)
- Leeds & Northrup Company. (See Bristol, Edward S., assignor.)
- Leeds & Northrup Company. (See Coons, Curtis C., assignor.)
- Leeds & Northrup Company. (See Doyle, Edgar D., assignor.)
- Leeds & Northrup Company. (See Doyle, E. D., and Heath, assignors.)
- Leeds & Northrup Company. (See Harsch, John W., assignor.)
- Leeds & Northrup Company. (See Heath, Leslie O., assignor.)
- Leeds & Northrup Company. (See Martin, William G., assignor.)
- Leeds & Northrup Company. (See Mears, Atherton H., assignor.)
- Leeds & Northrup Company. (See Parker, Henry C., assignor.)
- Leeds & Northrup Company. (See Quereau, John F., assignor.)
- Leeds & Northrup Company. (See Rosercrans, Crandall Z., assignor.)
- Leeds & Northrup Company. (See Tarpley, Raymond E., assignor.)
- Leeds & Northrup Company. (See Tarpley, R. E., and Behr, assignors.)
- Leeds & Northrup Company. (See Williams, Albert J., Jr., assignor.)
- Leeds, Winthrop M. (See Johnson, F. B., and Leeds.)
- Leeds, Winthrop M., and R. C. Van Sickle, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuit breaker. 1,955,337; Apr. 17.
- Leek, Thomas G. (See Statham, N., and Leek.)
- Leemann, Edwin, Milan, Italy. Wall structure. 1,952,380; Mar. 27.
- Leenders, Matthias, Teyl, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Variety of rose. Pl. Pt. 107; Oct. 16.
- Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
- Lees, Kenneth F., assignor to The Olympic Industrial Corporation, New York, N. Y. Electric vibrator. Des. 92,479; June 12.
- Leese, Louis F. W., London, England. Recovery of sulphur. 1,947,529; Feb. 20.
- Leeuw, John, Zeeland, Mich. Ventilating system. 1,981,050; Nov. 20.
- Le Febure Corporation. (See Le Febure, Leo T., assignor.)
- Le Febure, Leo T., assignor to Le Febure Corporation, Cedar Rapids, Iowa. Rack. 1,966,555; July 17.
- Lefebure, Victor, Westminster, London, England. Production of preformed plaster slabs, sheets, and other articles. 1,972,527; Sept. 4.
- Lefebure, Victor, London, England, assignor to Imperial Chemical Industries Limited. Calcium sulphate plaster mix. 1,970,663; Aug. 21.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Gun. 1,978,799; Oct. 30.
- Le Fevre, Edwin K., Chevy Chase, Md., assignor to Whitfield Engineering Company, Washington, D. C. Pitch angle control mechanism for aircraft propellers. 1,961,671; June 5.
- Leffel, James, & Company, The. (See Biggs, George A., assignor.)
- Leffland, Paul W., Dallas, Tex. Automobile accessory. 1,970,609; Aug. 21.
- Le Fon, Alphonse F., New York, N. Y. Aircraft construction. 1,969,804; Aug. 14.
- Lefort des Ylouses, Gaston, Boulogne-sur-Seine, France, assignor to L'Azote Français. Production of nitrate of lime through absorption at elevated temperatures of nitrous fumes. 1,959,480; May 22.
- Leftwich, Archer A. (See Earles, G. H., and Leftwich.)
- Leftwich, Morris M., Los Angeles, Calif. Plate for line printing and producing same. 1,963,411; June 19.
- Le Gare, Arthur E., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive grate support. 1,960,018; May 22.
- Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Stop for fasteners. 1,952,506; Mar. 27.
- Legat, Robert C., assignor to G. E. Prentiss Manufacturing Company, New Britain, Conn. Fastener. 1,969,270; Aug. 7.
- Leger, Gerard C., Buctouche, New Brunswick, Canada. Air conditioning device. 1,974,496; Sept. 25.
- Legerlotz, Helmut, Berlin-Friedenau, Germany. Making optically active phenylalcamines. 1,965,502; July 3.
- Legerlotz, Helmut, Berlin, Germany, assignor to Frederick Stearns & Company, Detroit, Mich. Manufacturing optically active mono-hydroxyphenyl methyl aminoethanols-1. 1,954,389; Apr. 10.
- Legg, Leslie I., Fenn, Alberta, Canada. Mechanical tire chain applicator. 1,951,761; Mar. 20.
- Legg, Oscar, Clerkenwell, England. Machine for taking tobacco out of cigarettes. 1,956,925; May 1.
- Legge, Alfred G., Brockton, Mass. Outsole for shoes. 1,945,115; Jan. 30.
- Legge, Alfred G., Brockton, Mass. Shoe form. 1,948,621; Feb. 27.

- Legge, Alfred G., Brockton, Mass. Tree for boots. 1,978,496; Oct. 30.
- Legge, Peter S., Long Island City, N. Y. Stone cutting tool. 1,965,384; July 3.
- Leggett and Platt Spring Bed Manufacturing Company. (See Bouser, Fred C., assignor.)
- Leggett and Platt Spring Bed and Manufacturing Company. (See Kirchner, Carl, assignor.)
- Leghart, Stephen J., Astoria, N. Y. Window. 1,950,311; Mar. 6.
- Leg-O-Matic Company, The. (See Kovats, John, assignor.)
- Le Gorre, Jean L. (See Lovekin, L. D., and Le Gorre.)
- Le Gorre, Jean L., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Device for controlling the illumination of lamps. 1,950,312; Mar. 6.
- Le Gorre, Jean L., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Flashlight mechanism. 1,953,019; Mar. 27.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Deicer for aeroplanes. 1,942,867; Jan. 9.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber article and making the same. 1,949,057; Feb. 27.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dispensing bottle stopper. 1,949,058; Feb. 27.
- Leguillon, Charles W., Akron, and W. H. Slabaugh, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for inserting curing bags in tires. 1,947,270; Feb. 13.
- Lehigh Portland Cement Company. (See Pearson, Joseph C., assignor.)
- Lehman, Arthur J., Chicago, Ill., assignor to The Lehman Company of America, Incorporated, Cannelton, Ind. Desk. 1,954,632; Apr. 10.
- Lehman Company of America, The. (See Lehman, Edgar A., assignor.)
- Lehman Company of America, Incorporated, The. (See Lehman, Arthur J., assignor.)
- Lehman, Edgar A., assignor to The Lehman Company of America, Cannelton, Ind. High chair. 1,983,188; Dec. 4.
- Lehman, Edgar R., Johnstown, Pa., assignor to Bethlehem Steel Company. Punching die for rail anchors. 1,969,514; Aug. 7.
- Lehman, Edward G., assignor to York Ice Machinery Corporation, York, Pa. Finned tube. 1,972,230; Sept. 4.
- Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler and yoke connection. 1,962,313; June 12.
- Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Combined operator and latch for doors. 1,964,884; July 3.
- Lehman, Henry J., Chicago, Ill. Window washer's seat. 1,963,796; June 19.
- Lehman, John L., St. Louis, Mo. Light beam reflecting and controlling means. 1,969,982; Aug. 14.
- Lehman, Louis H., Philadelphia, Pa. Towel rack. Des. 92,663; July 3.
- Lehman, Louis H., Philadelphia, Pa. Shower bath stall door, shower bath shield, and the like. 1,944,440; Jan. 23.
- Lehman, Walter W., Council Bluffs, Iowa. Treating wheat. 1,981,557; Nov. 20.
- Lehman, Werner, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Drag bucket. 1,974,425; Sept. 25.
- Lehman, Werner, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Drag bucket hook. 1,974,426; Sept. 25.
- Lehmann, Arthur E., St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y. Car seat. 1,977,485; Oct. 16.
- Lehmann, Carl J. (See Lockenvitz, Wilhelm, assignor.)
- Lehmann, Erich. (See Marx, K., and Lehmann.)
- Lehmann, Ernst P. (See Schmidt, Hermann, assignor.)
- Lehmann, Ernst P., Brandenburg-on-the-Havel, Germany. Toy. 1,970,177; Aug. 14.
- Lehmann, Meyer, New York, N. Y. Jewelry box and container. 1,944,714; Jan. 23.
- Lehmann, Otto, Hamburg, Germany. Mean pressure gauge. 1,960,158; May 22.
- Lehmann, Walter, Barmen, assignor to W. Pevinghaus, Egge, Germany. Lubricating of axle bearings for rail vehicles. 1,941,946; Jan. 2.
- Lehn, Charles J., Oak Park, Ill. Regulator. 1,973,769; Sept. 18.
- Lehn & Fink, Inc. (See Klarmann, Emil, assignor.)
- Lehn & Fink, Inc. (See Klarmann, E., and Gatyas, assignors.)
- Lehn, John U., and H. Drach, assignors to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,958,856; May 15.
- Lehnen, Elmer J., and S. A. Moore, Milwaukee, Wis. Portable pressing device. 1,950,498; Mar. 13.
- Lehner, Charles, New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Rug. Des. 92,097; Apr. 24.
- Lehner, Louis, Memphis, Tenn. Combined table and screen. 1,981,052; Nov. 20.
- Lehnkering, Carl F. (See Osherman, J., assignor, and Marsh.)
- Lehon Company, The. (See Lehon, Thomas R., assignor.)
- Lehon Company, The. (See Mayhew, Edward, assignor.)
- Lehon Company, The. (See Moore, Albert E. F., assignor.)
- Lehon, Thomas B., Chicago, Ill., assignor to The Lehon Company. Prepared roofing. 1,976,948; Oct. 16.
- Lehr, Benjamin, assignor of fifty one-hundredths to H. L. Lehr, Philadelphia, Pa., thirty one-hundredths to R. Burstein, and twenty one-hundredths to B. Horowitz, Brooklyn, N. Y. Display figure. 1,972,451; Sept. 4.
- Lehr, Harry, Bronx, N. Y. Brush protecting device. 1,951,576; Mar. 20.
- Lehr, Helen L., et al. (See Lehr, Benjamin, assignor.)
- Lehrer, William. (See Winder, F. J., and Lehrer.)
- Leib, August, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Direction finder compensator. 1,946,703; Feb. 13.
- Leib, August, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Flexible insulated conductor. 1,956,357; Apr. 24.
- Leibfried, William. (See Neuschotz, R. A., and Leibfried.)
- Leibing Automotive Devices, Inc. (See Fageol, Robley D., assignor.)
- Leibing Automotive Devices, Inc. (See Leibing, William E., assignor.)
- Leibing, Joseph K., Scotia, N. Y., assignor to General Electric Company. Magneto-electric machine. 1,947,269; Feb. 13.
- Leibing, Joseph K., Scotia, N. Y., assignor to General Electric Company. Electro-magnetic speed responsive device. 1,967,092; July 17.
- Leibing, Joseph K., Scotia, N. Y., assignor to General Electric Company. Stroboscope. 1,967,892; July 24.
- Leibing, Joseph K., Scotia, N. Y., assignor to General Electric Company. Magnetic detector. 1,971,189; Aug. 21.
- Leibing, Joseph K., Schenectady, N. Y., assignor to General Electric Company. Alternating current generator. 1,980,808; Nov. 13.
- Leibing, William E., assignor to Leibing Automotive Devices, Inc., San Francisco, Calif. Motor and pump. 1,968,694; July 31.
- Leibo, Victor, Ridgefield Park, N. J. Chair. 1,943,081; Jan. 9.
- Leibo, Victor, Ridgefield Park, N. J. Beach stool. 1,956,956; May 1.
- Leiboff, Samuel L., Bronx, N. Y. Testing apparatus. 1,974,075; Sept. 18.
- Leicester, Fred D. (See Hepworth, H., and Leicester.)
- Leicester, Henry M. (See Holmes, H. N., and Leicester.)
- Leich Electric Co. (See Leich, Oscar M.)
- Leich, Oscar M., assignor to Leich Electric Co., Genoa, Ill. Harmonic converter circuit. 1,969,376; Aug. 7.
- Leidy, Wilmer J. (See Helgason, A., and Leidy.)
- Leigh, Carl G., Chicago, Ill., assignor to Leighway Fastener Company, Benton Harbor, Mich. Cover fastener. 1,965,658; July 10.
- Leigh, Willis E., Elizabeth City, N. C. Drainage means for window or similar frames. 1,945,816; Feb. 6.
- Leighton, Alan, Cottage City, Md., and A. Leviton, Washington, D. C. Reducing the viscosity of a colloidal suspension of proteins. 1,952,017; Mar. 20.
- Leighton, John W., Port Huron, Mich. Shock eliminator. 1,945,403; Jan. 30.
- Leighton, John W., Port Huron, Mich. Steering gear for motor vehicles. 1,951,247; Mar. 13.
- Leighton, John W., Port Huron, Mich. Vehicle suspension bearing support. 1,958,968; May 15.
- Leighton, John W., Port Huron, Mich. Front wheel shock absorber for motor vehicles. 1,966,588; July 17.
- Leighway Fastener Company. (See Leigh, Carl G., assignor.)
- Leilich, Frank T. and R. K., assignors, by mesne assignments, to W. W. Varney, Baltimore, Md. Air conditioning system and apparatus therefor. 1,945,944; Feb. 6.
- Leilich, Robert K. (See Leilich, Frank T. and R. K.)
- Leinbach, William D., Milton, Pa. Spindle swing for spinning machines. 1,956,449; Apr. 24.
- Leinen, Arthur P., Chicago, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Lighting fixture. Des. 92,618; June 26.
- Leingang, George. (See Watson, Irvin S., assignor.)
- Leingang, William C., Detroit, Mich. Seasonal control of storage batteries. 1,976,404; Oct. 9.
- Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Heat regulator device and method. 1,950,499; Mar. 13.
- Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Magnetic switch. 1,958,482; May 15.
- Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Ball contact switch. 1,964,954; July 3.
- Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Igniter for gas burners. 1,968,561; July 31.
- Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Gas cock. 1,974,464; Sept. 25.
- Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lighting device. 1,979,332; Nov. 6.
- Leis, Carl H., and L. Sandler, assignors to Johnson Bronze Company, New Castle, Pa. Bearing element. 1,958,089; May 8.
- Leisen, Frederic A., Grosse Pointe, Mich., assignor to Stewart Die Casting Corporation, Chicago, Ill. Radiator cap. Des. 92,184; May 8.

- Leishman, Le Roy J., Los Angeles, Calif. Adapter. 1,959,272; May 15.
- Leistenschneider, August, and K. Kressel, Dusseldorf, Germany; said Kressel assignor to said Leistenschneider. Automatic lead pencil. 1,969,085; Aug. 7.
- Leister, Fayette, assignor to The Fafnir Bearing Company, New Britain, Conn. Riveting means for ball bearing cages and the like. 1,955,302; Apr. 17.
- Leister, Vernon K., Hampstead, Md. Bridge for protecting fire-hose. 1,956,125; Apr. 24.
- Leitch, Harold W., Andover, Mass. Marking pen. 1,951,057; Mar. 13.
- Leiter, Harry H. (See Longfellow, Earl E., assignor.)
- Leitbauer, Heinz, Essen on the Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Evaporating apparatus. 1,945,281; Jan. 30.
- Leitz, Ernst, Optische Werke. (See Heine, Hermann, assignor.)
- Leitz, Ernst, Optische Werke, G. m. b. H. (See Barnack, Oskar, assignor.)
- Leitz, Ernst, Optische Werke, G. m. b. H. (See Distell, Alfred H., assignor.)
- Leitz, Ernst, Optische Werke, G. m. b. H. (See Piles, Heinrich, assignor.)
- Lejeune, Fernand, assignor to Forges & Ateliers de Constructions Electriques, de Jeumont, Societe Anonyme, Paris, France. Direct current motor control. 1,961,887; June 5.
- Lejeune, Frank H., Jackson, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Corporation. Making wire wheels. 1,945,647; Feb. 6.
- Le Jeune, Frank H., Jackson, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Corporation. Wheel counterbalance. 1,973,173; Sept. 11.
- Lejeune, Frank H., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Brake drum. 1,947,782; Feb. 20.
- Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Chuck. 1,959,081; May 15.
- Lejeune, Franz, assignor to Anton Jazmatzi, Vienna, Austria. Toning process, particularly for toning the red color component image for multicolor photography. 1,963,707; June 19.
- Lejeune, Leon S. M. (See Bongrand, J. E. C., and Lejeune.)
- Lejeune, Léon S. M., Wasquehal, and J. E. C. Bongrand, Paris, France. Spinning process. 1,959,723; May 22.
- Leka, Theodore M., New York, N. Y. Aircraft. 1,966,300; July 10.
- Lekner, Adolf, Prague, Czechoslovakia. Oil pressure actuated switch. 1,944,012; Jan. 16.
- Lektophone Corporation. (See Harrison, Thornton C., assignor.)
- Lektophone Corporation. (See Rodman, Isaac P., assignor.)
- Leland Electric Company, The. (See Leland, George H., assignor.)
- Leland Electric Company, The. (See Leland, G. H., and O'Brien, assignors.)
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Switch operating mechanism for electric motors. 1,945,503; Jan. 30.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Electric motor and the like. 1,951,877; Mar. 20.
- Leland, George H., Dayton, Ohio, assignor of one-half to The Leland Electric Company. Automatic cut-off. 1,952,265; Mar. 27.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Sprinkling system. 1,979,477; Nov. 6.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Boring machine. 1,979,478; Nov. 6.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Tool controlling device. 1,979,479; Nov. 6.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Circuit controlling means for an induction motor. 1,979,480; Nov. 6.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Circuit controlling device for electric signs and the like. 1,980,542; Nov. 13.
- Leland, George H., and W. L. O'Brien, assignors of one-fourth to said Leland and three-fourths to The Leland Electric Company, Dayton, Ohio. Producing an end ring for a rotor. 1,952,266; Mar. 27.
- Leland-Gifford Company. (See Bishop, B. S. T., and Dow, assignors.)
- Leland, Ira S., assignor to Adjustable Joist Corporation, Milwaukee, Wis. Joist. 1,964,208; June 26.
- Leland, Joseph D., Milton, Mass. Apparatus for determining color harmonies. 1,964,586; June 26.
- LeLaurin, Harry. (See McKinney, P. E., and LeLaurin.)
- Le Laurin, Harry, and A. L. Fry, Washington, D. C. Anode for electroplating. 1,964,736; July 3.
- Legemann, William, Newark, N. J., assignor to Hydrocarbon Processes Inc. Treating hydrocarbon products. 1,971,190; Aug. 21.
- Lell, Jacob, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Operation of pumping accumulator plants. 1,941,845; Jan. 2.
- Letong, Lucien, Inc. (See Stein, Joseph S., assignor.)
- Lely, Anton, Aintree, England, assignor, by mesne assignments, to American Enka Corporation, Wilmington, Del. Manufacture of artificial materials from cellulosic solutions. 1,958,949; May 15.
- Lely, Dirk, and G. van Beusekom, Eindhoven, Netherlands, assignors to Radio Corporation of America. Discharge tube. 1,961,696; June 5.
- Lelyveld, Joseph, Rockland, Mass. Adjustable arch support for footwear. 1,981,920; Nov. 27.
- Lemaiguen, Robert, Paris, France, assignor to Mechanical and General Inventions Company Limited, London, England. Speed indicating device. 1,979,163; Oct. 30.
- Lemaigre, Louis Edmond, assignor to Compagnie Lorraine de Charbons pour l'Electricite, Paris, France. Electric arc carbon. 1,952,810; Mar. 27.
- Lemaitre, Leon A., and J. Rassas, Long Branch, N. J. Pressure controlled switch. 1,961,004; May 29.
- Le Manuais, Ernest R., Plainfield, N. J. Outlet box and support therefor. 1,966,451; July 17.
- Le May, Clarence, Oklahoma City, Okla. Milling tool. 1,972,022; Aug. 28.
- Lemay, Gustave, La Courneuve, France. Valve-grinding machine. 1,978,315; Oct. 23.
- LeMay, J. Paul, Casey, Ill. Forced feed faucet for dispensing plastics. 1,944,663; Jan. 23.
- Lemberger, Antonín, Prague, and L. Lemberger, Pilsen, Czechoslovakia. Manufacture of cellulose and the like. 1,954,012; Apr. 10.
- Lemberger, Lubomír. (See Lemberger, Antonín and L.)
- Lemelin, Emile, et al. (See Binette, Willie H., assignor.)
- Lemen, Paul H., et al. (See Grasso, S., and Bongiovanni, assignors.)
- Lemert, Louis W. (See Martin, C. B., and Lemert.)
- Lemieux, Ephrem, Central Falls, R. I. Window stop fastener. 1,958,950; May 15.
- Le Mieux, John M., New Orleans, La. Air cooling system for passenger railway cars. 1,972,305; Sept. 4.
- Lemm, Bonnie E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 91,489; Feb. 13.
- Lemm, Bonnie E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 94,151; Dec. 25.
- Lemm, Lester F., Lynwood, assignor to F. G. Breeding, Huntington Park, Calif. Retractable landing light. 1,985,611; Dec. 25.
- Lemmens, Jan F. (See Prins, E. C., and Lemmens.)
- Lemmer, Fritz. (See Fönrobert, E., and Lemmer.)
- Lemmerman, Paul C., East Cleveland, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Mold lubricant for clay products. 1,967,830; July 24.
- Lemmerman, Paul C., and W. K. Schweitzer, East Cleveland, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Adhesive and film forming composition. 1,942,299; Jan. 2.
- Lemmerman, Paul C., East Cleveland, and R. F. Remler, Rocky River, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Adhesive and film forming composition. 1,967,829; July 24.
- Lemmon, Alexis W., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyor mechanism. 1,973,005; Sept. 11.
- Lemmon, George N. (See Knowles, H. H., and Lemmon.)
- Lemmon, George N., Homewood, assignor to Southern States Equipment Co., Birmingham, Ala. Circuit breaker. 1,954,633; Apr. 10.
- Lemmon, George N., Homewood, and H. H. Knowles, assignors to Southern States Equipment Co., Birmingham, Ala. Circuit breaker. 1,954,634; Apr. 10.
- Lemmon, John C., Hammond, Ind. Applying muslin to corrugated roofing. 1,943,681; Jan. 16.
- Lemmon, Norman E., and A. B. Brown, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Revivifying filter clay. 1,946,748; Feb. 13.
- Lemmon, Rees H., Fort Worth, Tex. Pump plunger. 1,956,868; May 1.
- Lemoine, Georges E., Chaumont, France. Breathing apparatus. 1,983,475; Dec. 4.
- Lemon, John W., Roy, N. Mex. Harrow disk and bearings therefor. 1,961,561; June 5.
- Lemont, Clarence J., South Milwaukee, Wis., assignor to Line Material Company. Rack construction. 1,954,675; Apr. 10.
- Lemont, Clarence J., assignor to Line Material Company, South Milwaukee, Wis. Galvanizing kettle. 1,955,816; Apr. 24.
- Lemont, Clarence J., assignor to Line Material Company, South Milwaukee, Wis. Cable anchor. 1,985,509; Dec. 25.
- Lempco, Products, Inc. (See Blazek, John Y., assignor.)
- Lempco Products Inc. (See Blazek, J. Y., and Anderson, assignors.)
- Lempke, Paul R., Dover, N. H., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Portable biller. 1,976,852; Oct. 16.
- Lems, Hendrik, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,951,155; Mar. 13.
- Lems, Hendrik, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,951,153; Mar. 13.
- Lenander, Arthur C., Joliet, Ill. Window fixture. 1,969,515; Aug. 7.

- Lenander, Nils E., Lokkenverk, Norway, assignor to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Smelting pyritic ores containing arsenic. 1,962,602; June 12.
- Lenander, Nils E., Lokken Verk, Norway, assignor, by mesne assignments, to Texas Gulf Sulphur Company, Houston, Tex. Pyritic smelting and recovery of sulphur. 1,969,021; Aug. 7.
- Lenard, Peter A., Chicago, Ill. Abrasive pad. 1,966,178; July 10.
- Lencke, John K., Kingston, N. Y. Protective device for hose lines. 1,944,249; Jan. 23.
- Lending, Isidore, New Bedford, Mass., assignor to Sol Mutterperl, Inc., New York, N. Y. Hand bag. Des. 91,890; Apr. 3.
- Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Remote-metering system. 1,953,114; Apr. 3.
- Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Self-starting subsynchronous clock motor. 1,957,275; May 1.
- Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. East Pittsburgh, Pa. Vacuum tube tester. 1,958,895; May 15.
- Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Hysteresis clock motor. 1,961,975; June 5.
- L'Enfant, Charles, Brooklyn, N. Y. Book binding and making the same. 1,972,490; Sept. 4.
- Lengersdorf, Max. (See Lengersdorf, Willy, and M.)
- Lengersdorf, Willy and M., Bunzlau, Germany. Apparatus for preparing ceramic articles. 1,944,796; Jan. 23.
- Lenhart, Alfred A. and R. F., Minneapolis, Minn. Dump wagon. 1,951,058; Mar. 13.
- Lenhart, Roy F. (See Lenhart, Alfred A. and R. F.)
- Lenher, Samuel, Wilmington, Del., and G. B. Kistiakowsky, Cambridge, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Uncatalyzed oxidation of acetylene. 1,955,885; Apr. 24.
- Lenk, Emil, and F. Lippner, Vienna, Austria, assignors, by mesne assignments, to American Cyanamid & Chemical Corporation, New York, N. Y. Producing material for the treatment of hides and skins. 1,946,218; Feb. 6.
- Lenk, Mathias, Lennep, assignor to the firm Barmer Maschinenfabrik Aktiengesellschaft, Barmer-Rittershausen, Germany. Twisting machine for conical cross bobbins, specially for artificial silk. 1,974,497; Sept. 25.
- Lenk, Walter E., Belmont, Mass. Gardenia plant. Pl. Pt. 93; Apr. 17.
- Lenk, Wilhelm, Remscheid-Lennep, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Mohrenstrasse, Wuppertal-Oberbarmen, Germany. Drive arrangement for twisting machines with spindles arranged on both sides. 1,983,038; Dec. 4.
- Lenke, George H., assignor of one-third to J. J. Ohliss, and one-third to J. H. Old Cicero, Ill. Super glass vault light construction. 1,946,977; Feb. 13.
- Lenke, George H., Elmhurst, assignor of one-half to J. J. Ohliss, Oak Park, Ill. Skylight construction. 1,971,160; Aug. 21.
- Lennard, Thomas, Toronto, Ontario, Canada. Liquid dispensing apparatus. 1,970,893; Aug. 21.
- Lenneville, Fredric, Spokane, Wash. Metallic shingle. 1,955,464; Apr. 17.
- Lennig, Charles & Company, Inc. (See Bauer, Walter, assignor.)
- Lenning, Alvar, Jackson Heights, assignor to Electrolux Servel Corporation, New York, N. Y. Evaporator. 1,962,512; June 12.
- Lennmor, Gosta G. (See Bäckström, S. M., and Lennmor.)
- Le Noir, Ernest P., Pleasant Plains, N. Y. Pressure reducing valve. 1,956,101; Apr. 24.
- Lens, Victor, Wavre Notre Dame, Belgium, assignor to Jackson & Perkins Company, Newark, N. Y. Rose. Pl. Pt. 108; Oct. 16.
- Lent, Cos P., New York, N. Y. Dispensing nozzle for gasoline or the like. 1,978,753; Oct. 30.
- Lent, Vincent R., Sayville, N. Y. Paint and brush protector. 1,983,619; Dec. 11.
- Lent, Wilmar F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Molding insulating handles. 1,974,618; Sept. 25.
- Lentell, John H., jr., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Lubricating means. 1,978,714; Oct. 30.
- Lentheric Incorporated. (See Brown, Enoch N., assignor.)
- Lentheric Incorporated. (See Gage, Charles S., assignor.)
- Lentheric Incorporated. (See Loesch, Kurt, assignor.)
- Lentheric Incorporated. (See Tricard, Rene, assignor.)
- Lentheric Incorporated of New York City. (See McIntosh, Frank, assignor.)
- Lentulo, Henri, Paris, France. Rotary plugging tool. 1,969,808; Aug. 14.
- Lentz, Clarence J. (See Bunce, E. H., and Lentz.)
- Lentz, George W. (See Fogg, L. W., and Lentz.)
- Lentz, George W., assignor to The Bonnot Company, Canton, Ohio. Sheet slitting machine. 1,948,385; Feb. 20.
- Lentz, Herman M., Renville, Minn. Triple accordion. 1,973,638; Sept. 11.
- Lentz, Hugo, Vienna, Austria. Valve gear for steam engines. 1,954,417; Apr. 10.
- Lentz, Hugo, Berlin, Germany. Distributing valve gear for steam engines. 1,969,417; Aug. 7.
- Lenz, Henry, Moneta, Iowa. Seed planter. 1,966,966; July 17.
- Lenz, Paul, Berlin-Grünwald, Germany, assignor to General Electric Company. Electric translating circuit. 1,943,126; Jan. 9.
- Lenz, Wilhelm, Schweinfurt, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Antifriction bearing axle box. 1,953,811; Apr. 3.
- Lenze, Walter, New York, N. Y. Stabilizer. 1,970,859; Aug. 21.
- Leo, Norton B., New York, N. Y. Heat exchange apparatus. 1,960,849; May 29.
- Léon, Gabriel, assignor to Société Anonyme des Brevets Leon, Tours, France. Turbine. 1,973,290; Sept. 11.
- Leon, José M., Buenos Aires, Argentina. Commanding means for lift doors and the like. 1,952,555; Mar. 27.
- Leonard, Arthur G., jr., Wilmington, assignor to Orenda Corporation, Chicago, Ill. Sheet forming device. 1,954,635; Apr. 10.
- Leonard, Arthur G., jr., Wilmington, Ill., assignor to Orenda Corporation. Machine for manufacturing composition roofing. 1,975,584; Oct. 2.
- Leonard, Arthur G., jr., Wilmington, assignor to Orenda Corporation, Chicago, Ill. Apparatus for making roofing. 1,984,647; Dec. 18.
- Leonard, Arthur L., assignor to Circle A Products Corporation, Newcastle, Ind. Multiple door wardrobe. 1,952,874; Mar. 27.
- Leonard, Clarence E., Grosse Pointe, Mich. Shock absorber. 1,960,443; May 29.
- Leonard, Edward A., assignor to Orenda Corporation, Chicago, Ill. Cushioning panel. 1,968,084; July 31.
- Leonard, Everett W., assignor to Automatic Woven Wire Supply Co., Inc., Brooklyn, N. Y. Spring cushion construction. 1,962,871; June 12.
- Leonard, Frederick C., Providence, R. I. Thermostatic mixing regulator. 1,957,276; May 1.
- Leonard, Harry A., assignor to Draper Corporation, Hopedale, Mass. Yarn twisting apparatus for fancy yarns. 1,946,941; Feb. 13.
- Leonard, Joseph, Allentown, Pa., assignor to Charis Corporation, New York, N. Y. Corset. 1,978,092; Oct. 23.
- Leonard, Joseph E., Berkeley, assignor to Hammer-Bray Company, Oakland, Calif. Cooking top for gas stoves. 1,961,976; June 5.
- Leonard Motorless Aircraft Company. (See Sheldon, Garnett G., assignor.)
- Leonard, Roy E., Alhambra, Calif. Mechanical movement. 1,971,350; Aug. 28.
- Leonard, Stephen, assignor to Detroit Vapor stove Company, Detroit, Mich. Combined stove top, back guard member, lighting unit, and shade. Des. 91,464; Feb. 6.
- Leonard, Walter, Malverne, N. Y. Tire rimming tool. 1,969,807; Aug. 14.
- Leonard, Wilfred J. (See Morison, A. M., and Leonard.)
- Leonard, William, Laurel Hill, Long Island, assignor to G. Ramsey and F. J. Kent, New York, N. Y. Shingle guide. 1,954,213; Apr. 10.
- Leong, Quan J. (See Miller, T. S., and Leong.)
- Leonhard, Theodor, Wax Company. (See Hough, Arthur, assignor.)
- Leonhauser, Henry A., Baltimore, Md. Spare trolley pole carrier. 1,944,289; Jan. 23.
- Leopold, George O. (See Feeley, T. J., and Leopold.)
- Leopold, Howard F. (See Ayotte, Joseph R., assignor.)
- Leopold, Howard F., Chicago, Ill. Upholstering cover. 1,980,489; Nov. 13.
- Leopold, Samuel N., and H. K. Powell, assignors to Morris Paper Mills, Chicago, Ill. Mount for containers. 1,952,444; Mar. 27.
- LePage, Albert L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Panel fastener. 1,948,462; Feb. 20.
- LePere, John G., assignor to Williams Sealing Corporation, Decatur, Ill. Closure, and seal therefor. 1,979,274; Nov. 6.
- Leray, Joseph J., West Warwick, R. I. Helicopter and allied aircraft. 1,957,277; May 1.
- Lerch, Fred C., Benton Harbor, Mich. Golf ball washer. 1,954,738; Apr. 10.
- Lerch, Gustav, Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 1,946,942; Feb. 13.
- Lerch, Gustav, Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 1,970,096; Aug. 14.
- Lerch, John D., New York, N. Y. Match package. 1,942,300; Jan. 2.
- Lerch, Peter B. (See McBride, E. A., Kelleher, and Lerch.)
- Lerch, William B., Bartlesville, Okla. Liquid sampler and sampling liquids. 1,950,854; Mar. 13.
- Lerch, William G., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Tire bead. 1,943,272; Jan. 9.
- Lerch, William G., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Tire bead. 1,943,273; Jan. 9.
- Lerch, William G., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Tire bead. 1,943,274; Jan. 9.
- Lerch, William G., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Tire bead. 1,943,275; Jan. 9.

- Lerma, Stephen, Brooklyn, N. Y., assignor to Everybody's Tool & Die Works Corp. Fabric covered buckle. Re19,292; Aug. 28.
- Lerman, Benjamin, et al. (See Anderlick, John J., assignor.)
- Le Roi Company. (See Frantz, John R., assignor.)
- Le Rouge, Jean. (See Claude, G., and Le Rouge.)
- Lertzman, Carl M. (See Herron, A. E., and Lertzman.)
- Lesage, Aaron D. (See Shreffler, E. O., and Lesage.)
- Lesage, Alfred, Schweinfurt, Germany. Multiple disk clutch. 1,962,247; June 12.
- Lesage, Alfred, Schweinfurt, Germany. Motorcycle. 1,967,415; July 24.
- Lesage, Alfred, Schweinfurt, Germany. Carburetor. 1,971,494; Aug. 28.
- Lesage, Alfred, Schweinfurt, Germany. Flywheel magneto. 1,975,644; Oct. 2.
- Les Ateliers de St. Pierre. (See Jund, Frederic, assignor.)
- Lesavoy, Isadore L., New York, N. Y., and S. Z. Koenigsberg, Lebanon, Pa. Telephone advertising method and apparatus. 1,958,896; May 15.
- Lesch, Edward, Ravenswood, Ind. Heel protector and grip. 1,966,179; July 10.
- Lesch, Guntram, Mannheim-Feudenheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protective relay. 1,955,429; Apr. 17.
- Les Fibres Textiles. (See Faut, Jules A. M., assignor.)
- Les Fils D'Albert Collet. (See Collet, P., assignor, and Loiseau.)
- Lesh, Edwin Z., Dayton, Ohio. Draftsman's protractor. 1,959,832; May 22.
- Lesh, Laurence J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Transmission system. 1,960,785; May 29.
- Lesh, Laurence J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Interference suppressor. 1,972,268; Sept. 4.
- Leshner, Carl E., Pittsburgh, Pa. Low temperature carbonization apparatus. 1,964,955; July 3.
- Leshner, Earl W., Lakewood, Ohio. Wall construction. 1,964,473; June 26.
- Leshko, Wasily M., Lykens, Pa. Automobile traffic indicator. 1,959,481; May 22.
- Leslie, Francis, Springfield, N. J. Water softener or filter. 1,951,917; Mar. 20.
- Leslie, Howard C., Milton, assignor to BRE Manufacturing Co., Hyde Park, Mass. Hinge connection for water closet seats and covers. 1,984,192; Dec. 11.
- Les Producteurs de Sucre d'Erable de Quebec. (See Lund, A. D., and Anthony, assignors.)
- Less, Albert J., assignor to J. W. Less, Clinton, Iowa. Tie and making the same. 1,972,594; Sept. 4.
- Less, Joseph W. (See Less, Albert J., assignor.)
- Less, Joseph W., Clinton, Iowa. Necktie and making the same. 1,972,405; Sept. 4.
- Lessard, Albert, et al. (See Binette, Willie H., assignor.)
- Lessard, Theo. (See Marcoux, Emile, assignor.)
- Lesser, Joseph, Binghamton, N. Y. Memorial clockcase. Des. 93,027; Aug. 14.
- Lesser, Paul, Brooklyn, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,360; Jan. 16.
- Lessler, Lew W., Johnson City, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Saftey shutter for projectors. 1,971,569; Aug. 28.
- Lessler, Lew W., Johnson City, and C. Bornmann, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Film retaining means. 1,978,638; Oct. 30.
- Lessmann, Gottfried, Rehbrücke, Zauche, Germany, assignor to General Electric Company. Electric incandescent lamp. 1,947,207; Feb. 13.
- Lessnig, Johann, Richmond Hill, assignor, by mesne assignments, of one-third to W. Schlafer, Forest Hills, one-third to G. Heuser, Middle Village, and one-third to L. Löffler, Garden City, N. Y. Acid-proof tile. 1,961,613; June 5.
- Lessnig, Johann, Richmond Hill, assignor, by mesne assignments, of one-third to W. Schlafer, Forest Hills, one-third to G. Hauser, Middle Village, and one-third to L. Löffler, Garden City, N. Y. Reenforced concrete block. 1,961,614; June 5.
- Lester, Albert, Chicago, Ill. Paper coating machine. 1,971,789; Aug. 28.
- Lester, Frances E., New York, N. Y. Pneumotympanic vibrator. 1,945,372; Jan. 30.
- Lester, Joseph, New York, N. Y. Tie rack. 1,957,177; May 1.
- Lester, Nathan. (See During, W. J., and Lester.)
- Lester, Nathan, Cleveland, Ohio, assignor to Precision Castings Company, Inc., Fayetteville, N. Y. Die-casting machine. 1,943,680; Jan. 16.
- Lester, Raymond, Jacksonville, assignor of one-half to F. J. Hyland, Daytona Beach, Fla. Vehicle license tag attachment. 1,964,002; June 26.
- Lester, Stephen T., Cleveland, Ohio. Measuring apparatus. 1,949,280; Feb. 27.
- Letstin, Alfred, Vienna, Austria, assignor to A. Giesel-Gieslingen, New York, N. Y. Bottle holder. 1,984,022; Dec. 11.
- Le Tarte, George M., Detroit, Mich. Oscillating grinder. 1,959,103; May 15.
- Le Tarte, George M., Detroit, Mich. Vertical grinding machine. 1,966,127; July 10.
- Leth, Otto P., Brooklyn, N. Y. Transparent stamp display envelope and hinge. 1,956,392; Apr. 24.
- Le Tourneau, Ray F. (See Spoor, I. H., and Le Tourneau.)
- Le Tourneau, Robert G., Stockton, Calif. Adjustable leveler blade mounting. 1,949,059; Feb. 27.
- Le Tourneau, Robert G., Stockton, Calif. Scraper. 1,963,665; June 19.
- Le Tourneau, Robert G., Stockton, Calif. Bulldozer. 1,964,359; June 26.
- Le Tourneau, Robert G., Stockton, Calif. Grader. 1,964,360; June 26.
- Le Tourneau, Robert G., Stockton, Calif. Dump wagon. 1,969,933; Aug. 14.
- Le Tourneau, Robert G., Stockton, Calif. Draft connection for implements. 1,983,860; Dec. 11.
- Letourneur, Jean, Versailles, France. Uninflamable balloon. 1,981,600; Nov. 20.
- Letterman, William E., Seattle, Wash. Spark plug. 1,970,046; Aug. 14.
- Letz, Johannah, New York, N. Y. Brassière. 1,942,250; Jan. 2.
- Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
- Leuchs, Otto. (See Rosenthal, L., and Leuchs.)
- Leuden Machinery Company, The. (See Neher, A., and Madson, assignors.)
- Leue, Bruno A., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. Des. 93,414; Sept. 25.
- Leuner, Eugen. (See Zeumer, Luise, assignor.)
- Leuser, Josef, Pforzheim, assignor to Deutsche Gold- und Silber-Scheideanstalt, vormals Roessler, Frankfurt-on-the-Main, Germany. Device for casting by centrifugal force. 1,949,021; Feb. 27.
- Leussler, Emil, Nuremberg, Germany, assignor, by mesne assignments, to Remington Arms Company, Incorporated, Bridgeport, Conn. Projectile. 1,967,416; July 24.
- Le Van, James D., Watertown, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Grid-controlled gaseous discharge tube. 1,962,159; June 12.
- Levan, John F., assignor to Excel Curtain Company, Elkhart, Ind. Sash and window construction for automobile door bodies. 1,953,355; Apr. 3.
- Levandoski, John. (See Marshall, W., and Levandoski.)
- Leveen, Laurence R. (See Gillette, R. T., and Leveen.)
- Leveen, Laurence R., Scotia, N. Y., assignor to General Electric Company. Rotary pump. 1,942,064; Jan. 2.
- Leveen, Swan, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Rheostat. 1,952,679; Mar. 27.
- Leveille, Valere, Lawrence, Mass. Theftproof light bulb. 1,948,386; Feb. 20.
- Levells, William H., Indianapolis, Ind. Smoking pipe. 1,959,245; May 15.
- Levene, Albert H., Newark, N. J. Radiator hood. 1,942,607; Jan. 9.
- Levene, George, Norwood, and W. Konikov, assignors to Massachusetts Memorial Hospitals, Boston, Mass. Density determination by X-rays. 1,973,906; Sept. 18.
- Levenstein, Irving I., Brooklyn, N. Y. Electric sign system. 1,977,191; Oct. 16.
- Leventhal, Jacob F., New York, N. Y. Optical compensating system. 1,974,573; Sept. 25.
- Leventhal, Jacob F., New York, N. Y. Lens for imaging spaced objects in register. 1,974,574; Sept. 25.
- Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stopping mechanism for sewing machine. 1,953,965; Apr. 10.
- Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,954,821; Apr. 17.
- Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for lasting stitchdown shoes. 1,972,023; Aug. 28.
- Lever Bias Machine Corporation. (See Gardner, P., and Gerstein, assignors.)
- Lever Brothers Company. (See Forté, Harry P., assignor.)
- Leverett, Warren H., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Raising the sulphur dioxide content of a gas. 1,954,879; Apr. 17.
- Leverett, Warren H., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Producing sulphuric acid. 1,954,880; Apr. 17.
- Levernier, Martin W., Winnetka, Ill. Portable foot pedal soap dispenser. 1,949,315; Feb. 27.
- Le Vesconte, Harold J. (See Christensen, N. V., and Le Vesconte.)
- Le Vesconte, Harold J. (See Christensen, N. V., Le Vesconte, and Rubel.)
- Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,973,639; Sept. 11.
- Levesley, Alfred S. (See Traill, D., and Levesley.)
- Levesley, Alfred S., Saltcoats, and F. C. Randall, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of cellulose ethers. 1,944,896; Jan. 30.
- Levett, Alexander, Mount Vernon, N. Y. Buffer wheel. 1,946,630; Feb. 13.
- Levey, Clarence J., Park Ridge, and E. J. Haedike, assignors to National Machine Works, Chicago, Ill. Burner assembly. 1,981,602; Nov. 20.
- Levi, Julius, assignor to S. Pass, Chicago, Ill. Furniture slip cover. 1,942,111; Jan. 2.

- Levie, Archie W., Schenectady, N. Y., assignor to General Electric Company, Governing mechanism for elastic fluid turbines. 1,957,219; May 1.
- Levin, Ben J., New York, N. Y. Combination brush and holder. 1,975,643; Oct. 2.
- Levin, Benjamin, Brooklyn, N. Y. Twin bed. 1,954,360; Apr. 10.
- Levin, David, New York, N. Y. Shoe. Des. 93,485; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,486; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,487; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,488; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,489; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,490; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,491; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,492; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,493; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,494; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,495; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,496; Oct. 2.
- Levin, David, New York, N. Y. Shoe. Des. 93,561; Oct. 9.
- Levin, David, New York, N. Y. Shoe. Des. 93,562; Oct. 9.
- Levin, David, New York, N. Y. Shoe. Des. 93,563; Oct. 9.
- Levin, David, New York, N. Y. Shoe buckle or similar article. Des. 93,776; Nov. 6.
- Levin, David, New York, N. Y. Shoe. Des. 93,777; Nov. 6.
- Levin, David, New York, N. Y. Shoe. Des. 93,778; Nov. 6.
- Levin, David, New York, N. Y. Shoe. Des. 94,152; Dec. 25.
- Levin, Harold L. (See Kirschbraun, L., and Levin.)
- Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Aqueous dispersion of rubber. 1,950,451; Mar. 13.
- Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Aqueous dispersion of rubber and making same. 1,950,452; Mar. 13.
- Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Artificial dispersion of rubber. 1,950,453; Mar. 13.
- Levin, Harold L., Rutherford, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Shingle strip and producing same. 1,961,005; May 29.
- Levin, Harold L., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Rubber-like dispersions and producing same. 1,968,459; July 31.
- Levin, Harold L., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Paper making process. 1,970,426; Aug. 14.
- Levin, Isaac H., Pittsburgh, Pa. Separating gaseous mixtures. 1,959,030; May 15.
- Levin, Milton B. (See Miles, Frederick J.)
- Levin, Nathan, Trenton, N. J., assignor to H. Brinton Company, Philadelphia, Pa. Knitting machine with yarn-wrapping fingers. 1,956,294; Apr. 24.
- Levin, Nathan, Trenton, N. J., assignor to H. Brinton Company, Philadelphia, Pa. Knitted fabric and making same. 1,976,885; Oct. 16.
- Levin, Nathan, Trenton, N. J., assignor to H. Brinton Company, Philadelphia, Pa. Knitting machine and making openwork fabric. 1,982,257; Nov. 27.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Apparatus for mining coal. 1,945,744; Feb. 6.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Crushing apparatus. 1,947,783; Feb. 20.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyor chain and flight. 1,973,818; Sept. 18.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal mining machine. 1,978,366; Oct. 23.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal mining machine. 1,978,367; Oct. 23.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Drilling machine. 1,978,368; Oct. 23.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal drilling apparatus. 1,978,369; Oct. 23.
- Levin, Nils D., and E. F. Muller, assignors to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal mining apparatus. 1,971,862; Aug. 28.
- Levine, Abraham, Elizabeth, N. J. Bag lock. 1,979,560; Nov. 6.
- Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, New York, N. Y. Lock hasp. 1,972,567; Sept. 4.
- Levine, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Making chloroform. 1,975,727; Oct. 2.
- Levine, Calman, New York, N. Y., assignor to Joseph E. Seagram & Sons, Ltd., Waterloo, Ontario, Canada. Bottle. Des. 93,931; Nov. 27.
- Levine, Calman, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. Des. 93,932; Nov. 27.
- Levine, Calman, New York, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Bottle. Des. 94,153; Dec. 25.
- Levine, Harry, Brighton Beach, N. Y. Duplex envelope. 1,951,287; Mar. 13.
- Levine, Harry, assignor to American Eyelet Co., New York, N. Y. Envelope fastener container. 1,967,149; July 17.
- Levine, Henry, Philadelphia, Pa., assignor, by mesne assignments, to Self-Locking Carton Company, Chicago, Ill. Collapsible box or carton. 1,954,595; Apr. 10.
- Levine, Ima, assignor to Universal Oil Products Company, Chicago, Ill. Desulphurizing hydrocarbon oils. 1,950,735; Mar. 13.
- Levine, Ima, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,974,311; Sept. 18.
- Levine, Irving I., assignor of one-half to S. Mednick, Norfolk, Va. Fly. 1,982,996; Dec. 4.
- Levine, Irwin B., Newark, N. J., assignor to Wired Radio, Inc., New York, N. Y. Filter circuits. 1,951,025; Mar. 13.
- Levine, Irwin B., Newark, N. J., assignor to Wired Radio, Inc., New York, N. Y. Polyphase transmission. 1,951,026; Mar. 13.
- Levine, Louis. (See Decker, E. W., and Levine.)
- Levine, Max M., and H. J. Krase, Anniston, Ala., assignors to Swann Research Incorporated. Stable heating medium. 1,972,847; Sept. 4.
- Levine, Phillip. (See Picard, Clarence O., assignor.)
- Levinson, Max O., Chicago, Ill. Drape. 1,959,870; May 22.
- Levis, W., Kent, Selma, Calif. Defroster for refrigerating devices. 1,966,099; July 10.
- Leviton, Abraham. (See Leighton, A., and Leviton.)
- Leviton Manufacturing Company. (See Baum, David, assignor.)
- Leviton Manufacturing Company, The. (See Wallbillich, Anthony, assignor.)
- Leviton Manufacturing Company. (See Wallbillich, Anthony E., assignor.)
- Levitt, Edward H., and T. Ulmer, Detroit, Mich., assignors to Levitt-Ulmer Corporation. Razor. 1,975,365; Oct. 2.
- Levitt-Ulmer Corporation. (See Levitt, E. H., and Ulmer, assignors.)
- Levkoff, Evelyn G., Rockaway Park, N. Y. Box. Des. 91,830; Mar. 27.
- Levorchick, John. (See Levorchick, Joseph, and J.)
- Levorchick, Joseph, and J., Buffalo, N. Y. Sanding device for automobiles. 1,973,083; Sept. 11.
- Levow, David, New York, N. Y., and A. Ratner, East Orange, N. J., assignors, by mesne assignments, to The Cheney Company. Interlocking metal flashing. 1,947,131; Feb. 13.
- Levoy, Joseph, Berkeley, assignor of one-half to A. H. Green, San Francisco, Calif. Expandible wheel. 1,965,707; July 10.
- Levoy, Joseph, Berkeley, and A. H. Green, San Francisco, Calif. Expandible wheel. 1,971,653; Aug. 28.
- Levy, Abraham, assignor to United Metal Goods Manufacturing Co. Inc., Brooklyn, N. Y. Combined clock case and lamp or similar article. Des. 91,297; Jan. 2.
- Levy, Abraham, assignor to United Metal Goods Manufacturing Co. Inc., Brooklyn, N. Y. Combined clock case and lamp or similar article. Des. 91,563; Feb. 20.
- Levy, Abraham, assignor to United Metal Goods Manufacturing Co. Inc., Brooklyn, N. Y. Combined clock case and lamp or similar article. Des. 91,831; Mar. 27.
- Levy, Antonina. (See Levy, Roman J., assignor.)
- Levy, Armand. (See Goldmann, Jacques, assignor.)
- Levy, Cyril C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,976,569; Oct. 9.
- Levy, Cyril C., Pittsburgh, and R. De Camp, Wilksburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,959,298; May 15.
- Levy, Edward E. (See Harris, Omar C., assignor.)
- Levy, Edward J., now by judicial change of name E. L. Mayo, Cleveland Heights, Ohio. Temperature indicator for liquid circulatory systems. 1,954,570; Apr. 10.
- Levy, Edward J., now by judicial change of name E. Levy Mayo, assignor to The Bishop & Babcock Mfg. Co., Cleveland, Ohio. Thermostatic valve. 1,964,414; June 26.
- Levy, Gus, New York, N. Y. Treatment of animal furskins, animal hair fibers, and the like. 1,978,800; Oct. 30.
- Levy, Henri G., assignor to The Electric Manufacturing Company, San Francisco, Calif. Attachment for washing trays. 1,977,769; Oct. 23.
- Levy, Herbert. (See Nardulli, Michael J. and P. F.)
- Levy, Joseph, New York, N. Y. Light projector or similar articles. Des. 93,933; Nov. 27.
- Levy, Joseph, New York, N. Y. Light projector or similar article. Des. 93,934; Nov. 27.
- Levy, Joseph, Brooklyn, N. Y. Lighting fixture support. 1,977,883; Oct. 23.
- Levy, Leon D., New York, N. Y. Table chair. 1,948,387; Feb. 20.
- Levy, Leonard, New York, N. Y. Textile fabric or the like. Des. 91,671; Mar. 6.
- Levy, Louis. (See Simon, M. R., and Levy.)

- Levy, Mark H., Los Angeles, Calif. Return bend closure. 1,944,290; Jan. 23.
- Levy, Maurice, New York, N. Y. Powder puff and making the same. 1,962,248; June 12.
- Levy, Maurice, New York, N. Y. Powder puff. 1,962,249; June 12.
- Levy, Maurice J., trustee. (See Smith, H. J., and Wilkins.)
- Levy, Nathan D., New York, N. Y. Textile fabric or similar article. Des. 91,325; Jan. 9.
- Levy, Oscar C., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 1,957,657; May 8.
- Levy, Roman J., assignor to Antonina Levy, New York, N. Y. X-ray apparatus. 1,947,014; Feb. 13.
- Levy, Solomon, Rutherford, C. E. Yates, East Rutherford, and W. M. Shakespeare, South Orange, N. J., assignors, by mesne assignments, to Anaconda Copper Mining Company, New York, N. Y. Process and apparatus for producing sheet metal electrolytically. 1,952,762; Mar. 27.
- Levy, Stanley I., Kingston Hill, England. Treating recovered sulphur. 1,970,147; Aug. 14.
- Levy, Stanley I., London, England. Production of ferric oxide and other metal values from pyrites. 1,980,809; Nov. 13.
- Levy, Stanley I., London, England, assignor to Sulphide Corporation, New York, N. Y. Treatment of iron pyrites. 1,946,325; Feb. 6.
- Lewand, Joseph, et al. (See Lewand, Valentine, assignor.)
- Lewand, Valentine, assignor of one-third to F. Weinder and one-third to J. Lewand, Chicago, Ill. Transmission. 1,945,439; Jan. 30.
- Lewandowski, Edward H., Neenah, assignor, by mesne assignments, to Marathon Paper Mills Company, Rothschild, Wis. Carton. 1,963,626; June 19.
- Lewellen, Chester L., assignor to Motor Products Corporation, Detroit, Mich. Power bending apparatus. 1,984,145; Dec. 11.
- Lewellen, Darcy E., Columbus, Ind. Electrical speed controlling device. 1,968,343; July 31.
- Lewellen, Jesse N., Indianapolis, Ind. Air heating and conditioning system. 1,983,620; Dec. 11.
- Lewers, George R., Elizabeth, N. J. Revivifying mineral absorbents. 1,943,976; Jan. 16.
- Lewin, Adolph M., jr., Cincinnati, Ohio. Coaster. 1,958,829; May 15.
- Lewin, Arthur, New York, N. Y. Wrapping paper. Des. 93,779; Nov. 6.
- Lewin, Irving, and C. W. Geier, Hazelton, Pa., assignors to Duplan Silk Corporation, New York, N. Y. Adjusting device for looms and controlling weft threads. 1,975,587; Oct. 2.
- Lewin, Jacob W., Oak Park, Ill. Outlet box cover. 1,952,719; Mar. 27.
- Lewin, Lillie, San Francisco, Calif. Dispensing carton. 1,961,055; May 29.
- Lewin, William A., and T. E. Johntz, Chicago, Ill., assignors to General Electric Company. Thyatron equipment. 1,970,427; Aug. 14.
- Lewis Air Conditioners, Inc. (See Lewis, Carroll E., assignor.)
- Lewis, Alexander J., Chicago, Ill. Method of and apparatus for heat regulation for buildings. 1,976,619; Oct. 9.
- Lewis American Airways, Inc. (See Lewis, P. M., and Bridenbaugh, assignors.)
- Lewis, Andrew L., Petersburg, Va. Apparatus for ventilating and cooling automobiles. 1,956,509; Apr. 24.
- Lewis, Archibald H., Cairo, Egypt, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Statistical machine. 1,965,982; July 10.
- Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Chip remover for metal-working machines. 1,964,361; June 26.
- Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Automatic stop for chucking machines. 1,985,612; Dec. 25.
- Lewis, Arthur P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Friction drive device. 1,979,561; Nov. 6.
- Lewis, Arthur W., La Canada, Calif. Derrick construction. 1,972,269; Sept. 4.
- Lewis, Barnard J., Brookline, Mass. Process and plate for color printing. 1,980,069; Nov. 6.
- Lewis, Carroll E., assignor to Lewis Air Conditioners, Inc., Minneapolis, Minn. Humidifier. 1,963,412; June 19.
- Lewis, Carroll E., St. Paul, assignor to Lewis Air Conditioners, Inc., Minneapolis, Minn. Humidity regulator. 1,968,301; July 31.
- Lewis, Carroll E., assignor, by mesne assignments, to Lewis Air Conditioners, Inc., Minneapolis, Minn. Air conditioning and refrigeration system. 1,980,688; Nov. 13.
- Lewis, Charles H. (See Urbain, Oliver M., assignor.)
- Lewis, Clair H., Columbus, Ohio, assignor to Columbia Engineering Corporation, New York, N. Y. Gas detector. 1,974,498; Sept. 25.
- Lewis, David, New York, N. Y. Hand bag frame. Des. 91,564; Feb. 20.
- Lewis, David, New York, N. Y. Hand bag frame. Des. 91,565; Feb. 20.
- Lewis, David, New York, N. Y. Hand bag frame. Des. 91,566; Feb. 20.
- Lewis, David, New York, N. Y. Hand bag frame. Des. 91,567; Feb. 20.
- Lewis Differential Company. (See Tatter, John W., assignor.)
- Lewis, Drew E., Dallas, Tex. Combined display and dispensing rack. Des. 93,666; Oct. 23.
- Lewis, Earl A., Chicago, Ill. Moth bag. 1,981,558; Nov. 20.
- Lewis, Eben, Sioux Falls, S. Dak. Coin sorting and counting machine. 1,965,926; July 10.
- Lewis, Elmer F., East Orange, N. J., assignor to International Communications Laboratories, Inc., New York, N. Y. Wave meter. 1,944,564; Jan. 23.
- Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)
- Lewis, Everett C., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,950,855; Mar. 13.
- Lewis, Florence N., New York, N. Y. Suction patten. Des. 92,054; Apr. 17.
- Lewis, Florence N., New York, N. Y. Fitted pocketbook. Des. 93,985; Dec. 4.
- Lewis, Florence N., New York, N. Y. Manicure chest. 1,947,604; Feb. 20.
- Lewis, Florence N., New York, N. Y. Traveling case. 1,950,252; Mar. 6.
- Lewis, Florence N., New York, N. Y. Beauty box. 1,966,351; July 10.
- Lewis, Frank D., Denver, Colo. Apparatus for recovering gold and other precious metals from milled ores and placer material. 1,983,701; Dec. 11.
- Lewis, Frank E. (See Bouton, E. M., and Lewis.)
- Lewis, Frank E. (See Mattingly, H. W., and Lewis.)
- Lewis, Frank E., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,953,115; Apr. 3.
- Lewis, Frank E., deceased, Chicago, by E. M. Bouton, administrator, Park Ridge, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator system. 1,955,303; Apr. 17.
- Lewis, Frank E., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,962,355; June 12.
- Lewis, Frank E., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,981,601; Nov. 20.
- Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Collector control system. 1,983,940; Dec. 11.
- Lewis, Frank H., assignor to Food Machinery Corporation, San Jose, Calif. Washer. 1,959,921; May 22.
- Lewis, G. B., Company. (See Frater, Gordon G., assignor.)
- Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 1,944,715; Jan. 23.
- Lewis, George K., assignor to C. C. Kendrick, Chicago, Ill. Composite pane construction. 1,974,465; Sept. 25.
- Lewis, George T., assignor to Citrus Pulp Corporation, Jacksonville, Fla. Food product and making same. 1,973,034; Sept. 11.
- Lewis, Harold A. (See Johnson, N. G., and Lewis.)
- Lewis, Harold A. (See Kirst, W. E., Lewis, and Ver Bryck.)
- Lewis, Harold A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated sugar explosive. 1,947,530; Feb. 20.
- Lewis, Harold A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ignition composition. 1,964,825; July 3.
- Lewis, Harold A., Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 1,963,627; June 19.
- Lewis, Harold A., Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric squib. 1,964,826; July 3.
- Lewis, Harold M., Douglaston, N. Y. Power factor correction. 1,952,031; Mar. 20.
- Lewis, Harold M., Allenhurst, N. J. Phase control system. 1,964,522; June 26.
- Lewis, Harold R., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Filing machine. 1,946,025; Feb. 6.
- Lewis, Harold R., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Grading apparatus. 1,966,589; July 17.
- Lewis, Helen P., Idylwood, Va. Closure for containers. 1,949,802; Mar. 6.
- Lewis, Herbert B., Providence, R. I. Improving the efficiency of internal combustion engines. 1,961,444; June 5.
- Lewis Invisible Stitch Machine Company. (See Bowman, Louis G., assignor.)
- Lewis Invisible Stitch Machine Company. (See Gruman, Horace F., assignor.)
- Lewis Invisible Stitch Machine Co. (See Mann, Joseph, assignor.)
- Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
- Lewis, Jacob D., and W. H. Bruns, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Elevator control system. 1,960,820; May 29.
- Lewis, James. (See Amend, J. H., and Lewis.)
- Lewis, James T., Washington, D. C. Desk accessory. 1,972,024; Aug. 28.
- Lewis, Joe L., Cardinal, Ky. Control mechanism for mining trucks. 1,961,977; June 5.

- Lewis, John H. (See Robertson, W. H., and Lewis.)
- Lewis, Judah B., Amburst Park, London, England. Container for semifluid, viscous, or powdered substances. 1,961,056; May 29.
- Lewis, Leo L., Plainfield, N. J., assignor to Auditorium Conditioning Corporation, New York, N. Y. Ventilating and providing desired atmospheric conditions in inclosures. 1,977,315; Oct. 16.
- Lewis, Lester L., New Castle, assignor to Automatic Switch and Signal Corporation, Brockway, Pa. Variable light headlight. 1,951,699; Mar. 20.
- Lewis, Lloyd V., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,972,941; Sept. 11.
- Lewis, Mark C., Cranford, N. J., and A. M. Lynn, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Insulating materials and preparing insulating materials. 1,980,413; Nov. 13.
- Lewis, Morgan J., Philadelphia, assignor to Code Electric Products Corporation, York, Pa. Service box for electric circuit installations. 1,964,763; July 3.
- Lewis, Morgan J., Philadelphia, assignor to Code Electric Products Corporation, York, Pa. Electric meter service box. 1,966,301; July 10.
- Lewis, Morgan J., Massillon, Ohio, assignor, by mesne assignments, to The States Company, Hartford, Conn. Test block. 1,964,885; July 3.
- Lewis, Morgan J., Massillon, Ohio, assignor to The Code Electric Products Corporation, Philadelphia, Pa. Meter box. 1,979,949; Nov. 6.
- Lewis, Myron H., New York, N. Y. Surveying instrument. 1,945,323; Jan. 30.
- Lewis, Otto L., assignor to Foote Bros. Gear & Machine Co., Chicago, Ill. Speed reduction gear. 1,951,424; Mar. 20.
- Lewis, Owen L., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Lawn mower. 1,968,408; July 31.
- Lewis, Paul M., Denver, Colo. Automobile. Des. 93,118; Aug. 21.
- Lewis, Paul M., and E. H. Bridenbaugh, Denver, Colo., assignors to Lewis American Airways, Inc. Automotive transmission. 1,953,356; Apr. 3.
- Lewis, Richard B., jr., St. Cloud, Minn., assignor to Aluminum Industries, Inc., Cincinnati, Ohio. Making valves. 1,948,793; Feb. 27.
- Lewis, Richard C., Ansonia, and G. V. Hultgren, New Haven, assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Roll grinding machine. 1,968,255; July 31.
- Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Gauge. 1,973,640; Sept. 11.
- Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Torsion testing mechanism. 1,981,960; Nov. 27.
- Lewis, Robert I., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Refining hydrocarbons. 1,957,840; May 8.
- Lewis, Robert P. (See Padgett, J. E., and Lewis.)
- Lewis, Robert R., Baldwin, assignor to Vulcan Proofing Company, New York, N. Y. Printing plate. 1,971,044; Aug. 21.
- Lewis, Robert R., Freeport, and A. J. Weiss, Brooklyn, assignors to Vulcan Proofing Company, New York, N. Y. Printer's roller. 1,963,856; June 19.
- Lewis, Samuel R., Chicago, Ill., assignor, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Air conditioning system. 1,943,613; Jan. 16.
- Lewis, Sidney R., Chelsea, L. K. Spink, Foxboro, and B. W. Hagerman, Worcester, assignors to The Foxboro Company, Foxboro, Mass. Cupola operation. 1,977,559; Oct. 16.
- Lewis, Theodore B., Brooklyn, N. Y., assignor, by mesne assignments, to General Seal & Lock Corporation. Safety lock. 1,950,803; Mar. 13.
- Lewis, Thomas J., New York, N. Y. Package. 1,951,831; Mar. 20.
- Lewis, Thomas J., New York, N. Y. Package. 1,982,390; Nov. 27.
- Lewis, Warren K., Newton, and P. K. Frölich, Boston, Mass., assignors to Standard Oil Development Company. Oxidizing hydrocarbons. 1,976,790; Oct. 16.
- Lewis, Wilbur S. (See Murray, J. C., and Lewis.)
- Lewis, William A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot-wire protection. 1,953,116; Apr. 3.
- Lewis, William A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Modified impedance-reactance relay. 1,967,093; July 17.
- Lewis, William F., assignor to Lisk Manufacturing Company, Canandaigua, N. Y. Strainer. 1,946,943; Feb. 13.
- Lewis, William H., Pittsburgh, Pa. Manufacture of steel. 1,941,562; Jan. 2.
- Lewis, William T., Racine, Wis. Wireless system. 1,972,387; Sept. 4.
- Lewis, William T., and G. Thomas, Racine, Wis.; said Thomas assignor of three-eighths to said Lewis. Color producing device. 1,946,026; Feb. 6.
- Lewis, Willis A., Christiana, Pa. Baby carrier. 1,941,902; Jan. 2.
- Le Witt, George, New Britain, Conn. Golf drive indicator. 1,976,405; Oct. 9.
- Lewry, Harry, Baltimore, Md. Advertising display card. Des. 93,564; Oct. 9.
- Lewtas, Edward R. (See Benton, L. G., Tate, and Lewtas.)
- Lewter, Marion E., Los Angeles, Calif. Motorcycle towing frame. 1,954,361; Apr. 10.
- Lewy, Daniel. (See Butusov, Emil P., assignor.)
- Lewy, Harry, Baltimore, Md., assignor of one-half to G. P. Kimmel, Washington, D. C. Advertising display card. Des. 91,490; Feb. 13.
- Lexa, George J. (See Harnischfeger, H., and Lexa.)
- Ley, Emil, Muttentz, near Basel, Switzerland. Speed changing and coupling device. 1,954,418; Apr. 10.
- Leya, Thomas, assignor to A. N. Russell & Sons Company, Ilion, N. Y. Cabinet construction. 1,953,357; Apr. 3.
- Leydecker, Frederick J., East Aurora, N. Y. Subgrader. 1,978,464; Oct. 30.
- Leyden, George B. (See Garner, J. B., Miller, and Leyden.)
- Leyhausen, Wilhelm, Nuremberg, Germany. Overload switch. 1,952,997; Mar. 27.
- Leyland, Simeon C., Belleville, N. J., assignor to Westinghouse Electric & Manufacturing Company. Automatic oscillograph. 1,958,897; May 15.
- Leys, Pierre C., Brussels, Belgium. Economizing apparatus for regulating draft. 1,955,643; Apr. 17.
- Leysner, Arthur. (See Johannsen, F., and Leysner.)
- Lhoest, Léon, Merxem-Antwerp, Belgium. Transferring apparatus for incompletely solidified glass bottles and the like. 1,971,110; Aug. 21.
- L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Rubber shoe. 1,958,090; May 8.
- L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Making a molded rubber article. 1,983,667; Dec. 11.
- Lhommiedieu, Delbert E., Colo, Iowa. Sprinkler for an automatic bee-comb filler. 1,961,562; June 5.
- Libberton, Herbert, Chicago, and L. C. Piazza, Western Springs, assignors to The Soundex Corporation, Joliet, Ill. Building construction. 1,958,052; May 8.
- Libbey-Cataphote Corporation. (See Chrétien, Henri, assignor.)
- Libbey Cataphote Corporation, The. (See Searight, William H., assignor.)
- Libbey, Frederick I., Bronxville, assignor to Automatic Brake Corporation, New York, N. Y. Brake system for automobiles. 1,967,893; July 24.
- Libbey Glass Manufacturing Company, The. (See Nash, Arthur D., assignor.)
- Libbey Glass Manufacturing Company, The. (See Schutz, Harold R., assignor.)
- Libbey-Owens-Ford Glass Company. (See Adams, Daniel, assignor.)
- Libbey-Owens-Ford Glass Company. (See Angelo, Andrew, assignor.)
- Libbey-Owens-Ford Glass Company. (See Brasseur, E. J., and Rice, assignors.)
- Libbey-Owens-Ford Glass Company. (See Bronson, George L., assignor.)
- Libbey-Owens-Ford Glass Company. (See Callard, Robert P., assignor.)
- Libbey-Owens-Ford Glass Company. (See Cone, Carroll, assignor.)
- Libbey-Owens-Ford Glass Company. (See Crowley, J. P., and Ford, Jr., assignors.)
- Libbey-Owens-Ford Glass Company. (See Crowley, Joseph P., assignor.)
- Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
- Libbey-Owens-Ford Glass Company. (See Fraser, Frank, assignor.)
- Libbey-Owens-Ford Glass Company. (See Gipe, John C., assignor.)
- Libbey-Owens-Ford Glass Company. (See Goodwillie, David H., assignor.)
- Libbey-Owens-Ford Glass Company. (See Green, Edward G., assignor.)
- Libbey-Owens-Ford Glass Company. (See Hamann, Henry J., assignor.)
- Libbey-Owens-Ford Glass Company. (See Handy, Le Roy L., assignor.)
- Libbey-Owens-Ford Glass Company. (See Henderson, Chester E., assignor.)
- Libbey-Owens-Ford Glass Company. (See Hohmann, Frederick R., assignor.)
- Libbey-Owens-Ford Glass Company. (See Hullhorst, William G., assignor.)
- Libbey-Owens-Ford Glass Company. (See Kranich, Henry O., assignor.)
- Libbey-Owens-Ford Glass Company. (See Rosin, Edwin A., assignor.)
- Libbey-Owens-Ford Glass Company. (See Ryan, Joseph D., assignor.)
- Libbey-Owens-Ford Glass Company. (See Ryan, J. D., and Arner, assignors.)
- Libbey-Owens-Ford Glass Company. (See S. Schafer, Conrad B., assignor.)
- Libbey-Owens-Ford Glass Company. (See Trinks, Willibald, assignor.)
- Libbey-Owens-Ford Glass Company. (See Wampler, Roy W., assignor.)
- Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)
- Libbey-Owens-Ford Glass Company. (See Watkins, G. B., and Wampler, assignors.)
- Libbey-Owens-Ford Glass Company. (See Watkins, G. B., and Ryan, assignors.)

- Libbey-Owens-Ford Glass Company. (See Wright, C. H., and Weekley, assignors.)
- Libby, Carolyn W. (See Schnellbacher, Bertha C., assignor.)
- Libby, Charles R. (See Hess, L. D., and Libby.)
- Libby, Clarence R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Constant-speed centrifugal clutch. 1,955,304; Apr. 17.
- Libby, Harold B., et al. (See Frost, Walter E., assignor.)
- Libby, Martha, New Haven, Conn. Device for use in applying lip stick. 1,944,691; Jan. 23.
- Libby, McNeill & Libby. (See Hansen, Arthur E., assignor.)
- Libby, William L., assignor to J. G. Oliver, Cleveland, Ohio. Automatic tool. 1,963,023; June 12.
- Libby, William L., assignor to J. G. Oliver, doing business as Bardons & Oliver, Cleveland, Ohio. Automatic cut-off machine. 1,972,595; Sept. 4.
- Liben, Olga. (See Shapiro, Samuel, assignor.)
- Liberman, Max, Brooklyn, N. Y. Shoe. 1,973,085; Sept. 11.
- Liberson, Frank, Brooklyn, N. Y. Variable screen for use with X-rays. 1,948,270; Feb. 20.
- Liberson, Frank, Brooklyn, N. Y. Automatic displacement syringe. 1,948,388; Feb. 20.
- Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Making water soluble petroleum sulphates. 1,947,861; Feb. 20.
- Libertini, Frank, North Bergen, N. J. Scraping machine. 1,949,482; Mar. 6.
- Liberty Die & Button Mould Co. (See Weiss, Morris, assignor.)
- Liberty Distilleries, Inc. (See Strouse, Isaac, assignor.)
- Liberty Electric Company. (See Weinhardt, C. J., and Danneker, assignors.)
- Liberty Lace and Netting Works. (See Worrall, John H., assignor.)
- Liberty Mirror Works. (See Colbert, George F. and W. H., assignors.)
- Liberty Mirror Works. (See Colbert, William H., assignor.)
- Liberty Share Corporation. (See Morgan, Porter S., assignor.)
- Librett, Chester, assignor of one-half to N. A. Rebelos, New Rochelle, N. Y. Clothesline anchoring device. 1,984,274; Dec. 11.
- Licht, Arthur, Fulton, S. Dak. Lawn mower sharpener. 1,947,298; Feb. 13.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Automatic tandem drum paver. 1,946,944; Feb. 13.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Tandem mixer batchmeter and timing gear control. 1,962,960; June 12.
- Lichtenberger, Fritz, and H. Mauch, Berlin-Charlottenburg, Germany. Welded-joint tester. 1,966,984; July 17.
- Lichter, Joseph, Norwalk, assignor to The Harlic Bag Company, South Norwalk, Conn. Latching means for hand bags. 1,975,163; Oct. 2.
- Lichty, A. M., et al. (See Zander, Milton W., assignor.)
- Liddle, Nellie R., New York, N. Y. Club house front or the like. Des. 91,434; Jan. 30.
- Lide, Martin J., Birmingham, Ala. Concentrator. 1,980,490; Nov. 13.
- Lide, Martin J., Birmingham, Ala. Concentrating mechanism. 1,984,684; Dec. 18.
- Lidseen, Gustave, Chicago, Ill. Expansion valve. 1,970,806; Aug. 21.
- Lieb, Gustav, Stuttgart, and H. Meier, Luginsland/Unterthurheim, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Compressor. 1,963,024; June 12.
- Lieb, Irving, Del Monte, Calif. Hand-carried traffic signal. 1,966,822; July 17.
- Liebel-Flarsheim Company, The. (See Flarsheim, Edwin S., assignor.)
- Lieber, Eugene. (See Rosen, R., and Lieber.)
- Lieber, Hugo and E. C. Nicholides, assignors, by mesne assignments, to Lieber Patents Corporation, New York, N. Y. Microphonic amplifier hearing-aid. Re19,246; July 17.
- Lieber Patents Corporation. (See Lieber, H., and Nicholides, assignors.)
- Liebergeld, Alfred. (See Singer, F., and Liebergeld.)
- Liebergeld, Alfred, Nuremberg, Germany, assignor, by mesne assignments, to Tubus, A. G., Zurich, Switzerland. Extrusion press. 1,966,953; July 17.
- Liebergeld, Alfred, Laufamholz, near Nuremberg, and F. Singer, Nuremberg, Germany, assignors to Tubus A. G., Zurich, Switzerland. Producing seamless tubes by extrusion. 1,955,243; Apr. 17.
- Lieberknecht, Karl, G. m. b. H. (See Lieberknecht, Karl R., assignor.)
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Auxiliary knitting needle. 1,941,903; Jan. 2.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Flat knitting machine. 1,950,185; Mar. 6.
- Lieberknecht, Karl R., assignor to Karl Lieberknecht, G. m. b. H., Oberlungwitz, Germany. Jackhead. 1,950,253; Mar. 6.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Carrier rod operating mechanism for flat knitting machines. 1,959,588; May 22.
- Lieberknecht, Karl R., assignor to Karl Lieberknecht G. m. b. H., Oberlungwitz, Germany. Knitting machine and operating thereof. 1,959,833; May 22.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Knitting a full fashioned stocking. 1,974,962; Sept. 25.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Needle bar. 1,977,682; Oct. 23.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Regulating the speed of knitting machines. 1,977,729; Oct. 23.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor, by mesne assignments, to Kalio Inc., New York, N. Y. Full fashioned stocking with English foot and making the same. 1,978,587; Oct. 30.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Making stockings. 1,981,053; Nov. 20.
- Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Automatic loop regulating mechanism for full fashioned hosiery machines. 1,981,054; Nov. 20.
- Lieberknecht, Karl W., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Flat knitting machine needle bar. 1,982,818; Dec. 4.
- Lieberknecht, Karl W., Oberlungwitz, Germany, assignor to Kalio Inc., New York, N. Y. Flat knitting machine. 1,985,295; Dec. 25.
- Liebholt, Franz. (See Von Oberstadt, Bopp, assignors.)
- Liebl, Allan J., Sheboygan, Wis. Puzzle section carrying device. 1,947,947; Feb. 20.
- Liebler, William C., Northport, Mich. Pneumatic hoist. 1,961,501; June 5.
- Liebovitz, S., & Sons, Inc. (See Liebowitz, Benjamin, assignor.)
- Liebowitz, Benjamin, assignor to S. Liebovitz & Sons, Inc., New York, N. Y. Garment folding board. 1,955,244; Apr. 17.
- Liebowitz, Benjamin, assignor to Trubenizing Process Corporation, New York, N. Y. Apparel. 1,968,409; July 31.
- Liebowitz, Benjamin, assignor to Trubenizing, Process Corporation, New York, N. Y. Apparel. 1,968,410; July 31.
- Liebowitz, Benjamin, assignor to S. Liebowitz & Sons, Inc., New York, N. Y. Garment fastening device. 1,971,145; Aug. 21.
- Liebreich, Oscar P., Jackson Heights, N. Y. Hoisting apparatus. 1,984,071; Dec. 11.
- Liebusch, Max, Kotschenbroda, Germany. Sheet feeding apparatus. 1,984,588; Dec. 18.
- Liedbeck, Carl H., Floesti, Rumania. Apparatus for drilling well casings. 1,962,961; June 12.
- Liefeld, Edward H. (See Vargo, Andrew, assignor.)
- Lien, Anton O., Louisville, assignor of one-half to W. L. Nelson, Minneapolis, Minn. Valve for the pouring nozzles of liquid containers. 1,946,978; Feb. 13.
- Lien, Gilbert, Fergus Falls, Minn. Filter. 1,950,254; Mar. 6.
- Lienau, Jacob H., New York, and J. J. Neuman, Jamaica, N. Y. Automatic vacuum regulator. 1,941,479; Jan. 2.
- Lienig, Georg, Billstedt, near Hamburg, Germany. Adhesive foil. 1,955,075; Apr. 17.
- Lientz, Beverly P., Kansas City, Mo. Apparatus for conditioning fluids. 1,972,099; Sept. 4.
- Liepmann, Leonard, Baltimore, Md. Racing plate. 1,951,700; Mar. 20.
- Lier, Heinrich, assignor to the firm Chemical Works Formerly Sandoz, Basel, Switzerland. Preparation of wetting agents for use in alkalinizing lyes. 1,976,886; Oct. 16.
- Lierg, Friedrich, Dresden, Germany. Producing photographs and cinematographic films in natural colors. 1,958,830; May 15.
- Liermann, Adolf, Philadelphia, Pa. Razor blade sharpener. 1,960,706; May 29.
- Liese, Erwin. (See Berthold, H., and Liese.)
- Lietzke, Henry R. (See Dodge, R. L., Collins, and Lietzke.)
- Lifflander, Johan O., Stockholm, Sweden, assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland. Clutch control device. 1,972,685; Sept. 4.
- Lifton, Louis S., New York, N. Y. Razor blade drier and container. 1,956,743; May 1.
- Lifton, Samuel H., Brooklyn, N. Y. Traveling bag. 1,950,118; Mar. 6.
- Lizgett, John T., assignor to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,959,871; May 22.
- Lizgett & Myers Tobacco Company. (See Gross, P. M., and Flowers, assignors.)
- Light, Albert T., Canton, Ohio, assignor to York Ice Machinery Corporation, York, Pa. Milk cooler. 1,949,126; Feb. 27.
- Light, Albert T., Canton, Ohio, assignor to York Ice Machinery Corporation, York, Pa. Heat exchanger. 1,949,127; Feb. 27.
- Light, Charles A., et al. (See Hampton, Fred, assignor.)
- Light Corrugated Box Company. (See Sherman, Francis H., assignor.)
- Light, John W., Independence, Kans. Three-wing panic-proof revolving door. 1,950,681; Mar. 13.
- Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Bell ringing mechanism. 1,942,360; Jan. 2.

- Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Piston packing. 1,982,614; Nov. 27.
- Light, Robert F., Yonkers, and C. N. Frey, assignors to Standard Brands Incorporated, New York, N. Y. Antirachitic product and making same. 1,955,554; Apr. 17.
- Lightbody, Howard D. (See Huston, R. C., and Lightbody.)
- Lightfoot, Ewart H., Houston, Tex. Knockdown house. 1,985,789; Dec. 25.
- Lighthall, Cone W., assignor to Hoover Steel Ball Company, Ann Arbor, Mich. Sprinkler. 1,976,030; Oct. 9.
- Lightner, Eugene O., Washington, D. C. Arc lamp. 1,948,669; Feb. 27.
- Light Research Corporation. (See Schoenberg, Virgil A., assignor.)
- Light Sensitive Apparatus Corporation. (See Schoenberg, Virgil A., assignor.)
- Lignes Telegraphiques et Telephoniques. (See Pierrot, André, assignor.)
- Lignes Telegraphiques et Telephoniques. (See Viard, Georges, assignor.)
- Liguoza Spółka Akcyjna. (See Kielczewski, Jerzy, assignor.)
- Lippert, William J., Fort Valley, Ga. Composition of matter. 1,943,181; Jan. 9.
- Likly, James W., assignor, by mesne assignments, to W. H. Marlatt, Cleveland Heights, Ohio. Garment form. 1,951,985; Mar. 20.
- Lilek, Rudolph, Jerome, Ariz. Rock drill clamp. 1,960,159; May 22.
- Liles, Thomas O., Dallas, Tex., assignor to Liles-motor Corporation. Parallel steam engine. 1,948,526; Feb. 27.
- Lilesmotor Corporation. (See Liles, Thomas O., assignor.)
- Lilienfeld, Julius E., Winchester, Mass. Electrolytic condenser. 1,954,636; Apr. 10.
- Lilienfeld, Julius E., Winchester, assignor to Ergon Research Laboratories, Inc., Malden, Mass. Electrode structure of electrolytic condensers. 1,950,119; Mar. 6.
- Lilienfeld, Julius E., Winchester, assignor to Ergon Research Laboratories, Inc., Malden, Mass. Power factor corrected gas discharge tube. 1,974,284; Sept. 18.
- Lilienfeld, Julius E., Winchester, assignor to Ergon Research Laboratories, Inc., Malden, Mass. Electrolyte for use with filmed electrodes. 1,976,700; Oct. 9.
- Lilienfeld, Julius E., Brooklyn, N. Y. Autoelectronic triode device. 1,979,275; Nov. 6.
- Lilienfeld, Leon, Vienna, Austria. Viscose and making same. Re19,279; Aug. 21.
- Lilienfeld, Leon, Vienna, Austria. Viscose and making same. Re19,280; Aug. 21.
- Lilienfeld, Leon, Vienna, Austria. Making artificial textile material. 1,954,324; Apr. 10.
- Lilienfeld, Leon, Vienna, Austria. Cellulose aralkyl ether plastics. 1,960,641; May 29.
- Lilienfeld, Leon, Vienna, Austria. Making alkali cellulose. 1,973,491; Sept. 11.
- Lilienfeld Bros. & Company. (See Lilienfeld, Eugene W., assignor.)
- Lilienfeld, Eugene W., assignor to Lilienfeld Bros. & Company, Chicago, Ill. Cigar container. 1,954,013; Apr. 10.
- Lilienthal, Max, Berlin-Wilmersdorf, and L. Michaelis, Berlin-Charl., Germany, assignors to General Electric Company. Multiple speed motor. 1,946,289; Feb. 6.
- Lilja, Edgar D., assignor to H. D. Colman, Rockford, Ill. Induction motor. 1,949,968; Mar. 6.
- Liljenroth, Frans G., Stockholm, Sweden. Producing soluble phosphates in solid state. 1,969,894; Aug. 14.
- Lillard, Benjamin F., Bellingham, Wash. Automatic extension-table leaf adjustment. 1,965,245; July 3.
- Lillard, William W., Englewood, N. J. Concrete mixing method. 1,947,345; Feb. 13.
- Lillard, William W., Midland Park, N. J. Fly swatter. 1,978,950; Oct. 30.
- Lilleberg, Tideman M., assignor to The Nye Tool & Machine Works, Chicago, Ill. Die stock. 1,967,756; July 24.
- Lilleberg, Tideman M., assignor to The Nye Tool & Machine Works, Chicago, Ill. Cutter device. 1,979,891; Nov. 6.
- Lillibridge, Ray D. (See Woods, John H., assignor.)
- Lilly, Eli, and Company. (See Jensen, H., and Chen, assignors.)
- Lilly, Eli and Company. (See Jones, Frank G., assignor.)
- Lilly, Eli, and Company. (See Shönle, Horace A., assignor.)
- Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)
- Lillydell, Ray. (See Hansen, Fremont R., assignor.)
- Lily-Tulip-Cup Corporation. (See Reifsnnyder, James D., assignor.)
- Lima, Peter, Los Angeles, Calif. Vehicle. 1,953,084; Apr. 3.
- Lima, Alfred, jr., Los Angeles, Calif. Treating sugar containing liquids. 1,953,653; Apr. 3.
- Lima, Grace T. (See Lima, Henry C., assignor.)
- Lima, Henry C., assignor to G. T. Lima, Stamford, Conn. Truck body. 1,945,532; Feb. 6.
- Lima, Henry C., assignor to G. T. Lima, Stamford, Conn. Self loading truck. 1,945,533; Feb. 6.
- Li Mandri, John T., New York, N. Y. Combined desk and dresser cabinet. Des. 91,718; Mar. 13.
- Limbershaft Golf Club Company. (See Mensing, Carl F., assignor.)
- Limburg, Hyman, Amsterdam, Netherlands, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Sulphonation of petroleum oils and product thereof. 1,958,830; May 15.
- Limburg, Hyman, Amsterdam, Netherlands, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Treating dispersions. 1,984,023; Dec. 11.
- Limburg, Hyman, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, New York, N. Y. Treating dispersions. 1,984,024; Dec. 11.
- Limousine Body Company. (See Elbery, Arthur B., assignor.)
- Limousine Body Company. (See Menton, Stanley, assignor.)
- Limpach, Otto. (See Kalischer, G., Limpach, and Hager.)
- Limpert, John A., Kimberly, assignor to Paper Patents Company, Neenah, Wis. Progressive paper machine drive. 1,977,070; Oct. 16.
- Linard, Elizabeth M., Bellaire, Ohio. Sanitary pad. 1,977,133; Oct. 16.
- Linch, Frank W. (See Stocks, H. H., and Linch.)
- Linchitz, Samuel E., New York, N. Y. Denture. 1,972,596; Sept. 4.
- Linck, Joseph E., Jenkintown, Pa. Skylight construction. 1,966,673; July 17.
- Lincks, George F. (See Olsen, C. J. B., and Lincks.)
- Lincks, George F., and F. L. Flanagan, Pittsfield, Mass., assignor to General Electric Company. Electrical cut-out. 1,953,812; Apr. 3.
- Lincolade Company. (See Wallace, John W., assignor.)
- Lincoln, Bert H. (See Henriksen, Alfred, and Lincoln.)
- Lincoln, Bert H., assignor to Continental Oil Company, Ponca City, Okla. Lubricating oils. 1,945,614; Feb. 6.
- Lincoln, Bert H., and A. Henriksen, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 1,944,941; Jan. 30.
- Lincoln, Bert H., and A. Henriksen, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oil. 1,945,615; Feb. 6.
- Lincoln Electric Company, The. (See Chapman, Everett, assignor.)
- Lincoln Electric Company, The. (See Jerabek, Theophil E., assignor.)
- Lincoln Electric Company, The. (See Landis, George G., assignor.)
- Lincoln Electric Company, The. (See Landis, G. G., and Hoenie, assignors.)
- Lincoln Electric Company, The. (See Lincoln, J. F., and Landis, assignors.)
- Lincoln Electric Company, The. (See Stine, Wilmer E., assignor.)
- Lincoln Engineering Company. (See Barks, Frank S., assignor.)
- Lincoln Engineering Company. (See Barks, F. S., and Fox, assignors.)
- Lincoln Engineering Company. (See Boehm, William S., assignor.)
- Lincoln Engineering Company. (See Fox, Alexander P., assignor.)
- Lincoln Engineering Company. (See Fox, A. P., and Boehm, assignors.)
- Lincoln Engineering Company. (See Fox, A. P., and Linders, assignors.)
- Lincoln Engineering Company. (See Linders, William Z., assignor.)
- Lincoln Equipment Company. (See Woolsey, C. A., and Bowman, assignors.)
- Lincoln, Jack, Niagara Falls, N. Y. Fire extinguisher. 1,960,384; May 29.
- Lincoln, James F., East Cleveland, and G. G. Landis, Euclid Village, assignors to The Lincoln Electric Company, Cleveland, Ohio. Current generation for arc welding and the like. 1,971,074; Aug. 21.
- Lincoln Meter Company. (See Downing, William C., jr., assignor.)
- Lincoln, Neil S., Detroit, Mich. Driving mechanism. 1,964,956; July 3.
- Lincoln, Rollo B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. 1,967,094; July 17.
- Lincoln-Schlueter Floor-Machinery Co. (See Anderson-Smedberg, Carl O., assignor.)
- Lincoln, William P., Electra, Tex. Tank deck. 1,983,476; Dec. 4.
- Lind, Gustav, assignor to Anker-Werke Aktiengesellschaft, Bielefeld, Germany. Producing a table top for a sewing machine of the disappearing type. 1,950,087; Mar. 6.
- Lind, Harry V. et al. (See Hosmer, Ray L., assignor.)
- Lind, Ira N., New York, N. Y. Cigarette case. 1,978,497; Oct. 30.
- Lind, Jack, et al. (See Calkins, Leslie B., assignor.)
- Lind, John. (See Dysart, A. S., Fraser, and Lind.)
- Lindahl, Anders. (See Luttrupp, Conrad, assignor.)
- Lindas, Henry E., Wichita, Kans. Making a concrete conduit. 1,949,650; Mar. 6.
- Lindberg, Axel N., Evanston, Ill. Heat-treating apparatus. 1,983,551; Dec. 11.
- Lindberg, Bernhard, Chicago, Ill. Laundry machine. 1,951,157; Mar. 13.
- Lindberg, Caryl A., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Circulating fan. 1,953,417; Apr. 3.
- Lindberg, Fritz L., and J. M. Simons, Flint, Mich. Self-locking nut and cap screw. 1,976,077; Oct. 9.

- Lindberg, Ivar F., West Allis, Wis., and W. E. Yunker, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Method of and apparatus for assembling chain structures. 1,946,911; Feb. 13.
- Lindberg, John F., assignor to O. R. Martin, Chicago, Ill. Vending machine. 1,950,361; Mar. 6.
- Lindberg, Nils C., Crete, Ill., assignor to Victor Chemical Works. Production of disodium phosphate. 1,984,146; Dec. 11.
- Lindberg, Sven C., Mansfield, Mass., assignor, by mesne assignments, to Centrifugal Engineering and Patents Corporation, Jersey City, N. J. Skimming mechanism for centrifuges. 1,954,676; Apr. 10.
- Lindberg, Sven C., assignor, by mesne assignments, to Centrifugal Engineering and Patents Corporation, New York, N. Y. Apparatus for purifying pulp stock. 1,967,032; July 17.
- Lindberg, Sven C., assignor, by mesne assignments, to Centrifugal Engineering and Patents Corporation, New York, N. Y. Apparatus for purifying pulp stock. 1,974,679; Sept. 25.
- Lindblad, Charles V., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Filler feed for cigar machines. 1,977,994; Oct. 23.
- Lindblom, Carl A., assignor to General Motors Research Corporation, Detroit, Mich. Multiple shoe brake. 1,948,822; Feb. 27.
- Lindbloom, Charles V., Cranford, N. J., assignor to Hi-Heat Gas Co. Inc., New York, N. Y. Pressure reducing valve. 1,978,465; Oct. 30.
- Linde Air Products Company, The. (See Boshkoff, George J., assignor.)
- Linde Air Products Company, The. (See Bowditch, Lawrence J., assignor.)
- Linde Air Products Company, The. (See Bucknam, W. C., and Jones, assignors.)
- Linde Air Products Company, The. (See Dana, Leo I., assignor.)
- Linde Air Products Company, The. (See Dana, L. I., and Zenner, assignors.)
- Linde Air Products Company, The. (See Edwards, Harry D., assignor.)
- Linde Air Products Company, The. (See Fraser, William W., assignor.)
- Linde Air Products Company, The. (See George, Harry S., assignor.)
- Linde Air Products Company, The. (See Greene, Thomas W., assignor.)
- Linde Air Products Company, The. (See Halbing, John M., assignor.)
- Linde Air Products Company, The. (See Hansen, Odd A., assignor.)
- Linde Air Products Company, The. (See Hansen, O. A., and Bliss, assignors.)
- Linde Air Products Company, The. (See Hutchison, Frank C., assignor.)
- Linde Air Products Company, The. (See Kehl, Robert J., assignor.)
- Linde Air Products Company, The. (See Linden, Walter R., assignor.)
- Linde Air Products Company, The. (See Mesinger, W. F., and Mattison, assignors.)
- Linde Air Products Company, The. (See Moeller, Walter F., assignor.)
- Linde Air Products Company, The. (See Moss, Herbert H., assignor.)
- Linde Air Products Company, The. (See Oldham, Samuel R., assignor.)
- Linde Air Products Company, The. (See Smith, G. H., and Carnes, assignors.)
- Linde Air Products Company, The. (See Smith, Hallam C., assignor.)
- Linde Air Products Company. (See Updegraff, Lee C., assignor.)
- Linde Air Products Company, The. (See Wagner, Robert L., assignor.)
- Linde Air Products Company, The. (See Wall, Matthew J., assignor.)
- Linde Air Products Company, The. (See Zenner, George H., assignor.)
- Linde, Gustav F. (See Blaschfeld, F. A., and Linde.)
- Linde, Richard, assignor to Gesellschaft für Linde's Eismaschinen A. G., Munich, Germany. Rectification. 1,950,313; Mar. 6.
- Lindeman, James E., assignor to W. H. Miner, Inc., Chicago, Ill. Clutch mechanism. 1,975,961; Oct. 9.
- Lindemann, A. J., and Hoverson Company. (See Lindemann, W. C., and Lorenz, assignors.)
- Lindemann, A. J., and Hoverson Company. (See Lindemann, W. C., and Schmidt, assignors.)
- Lindemann, A. J., and Hoverson Company. (See Lindemann, W. C., Weis, and Schmidt, assignors.)
- Lindemann, A. J., and Hoverson Company. (See Rutenber, Edwin A., assignor.)
- Lindemann, A. J., and Hoverson Company. (See Schmidt, Adolph T., assignor.)
- Lindemann, Herbert, Lichterfelde, Berlin, Germany. Making rubber sponge. 1,951,618; Mar. 20.
- Lindemann, Joseph S., New York, N. Y. Toilet accessory container. Des. 92,185; May 8.
- Lindemann, Walter C., and A. T. Schmidt, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Fuel control means for ranges. 1,972,627; Sept. 4.
- Lindemann, Walter C., and G. C. Lorenz, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Range. 1,972,628; Sept. 4.
- Lindemann, Walter C., C. J. Weis, and A. T. Schmidt, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Thermostatic generator. 1,977,192; Oct. 16.
- Lindemuth, Ralph L., Dormont, Pa. Household furnace stoker. 1,951,425; Mar. 20.
- Linden, Carl, Oakland, Calif. Toy. Des. 91,275; Jan. 2.
- Linden, Josef. (See Koppel, R. H., and Linden.)
- Linden, Walter R., Palisades Park, N. J., assignor to The Linde Air Products Company. Welding and cutting apparatus. 1,977,640; Oct. 23.
- Lindenberger, Theodore, jr., Columbus, Ohio. Apparatus for recording sound on photographic films. 1,975,279; Oct. 2.
- Lindenberger, Theodore, jr., Columbus, Ohio. Magnetically oscillated mirror. 1,975,280; Oct. 2.
- Lindenberger, Henry, Chicago, Ill. Extractor. 1,979,693; Nov. 6.
- Lindenberger, Henry, Chicago, Ill. Purifier for dry cleaning apparatus. 1,985,277; Dec. 25.
- Lindenberger, Henry, Chicago, Ill. Dry cleaning apparatus. 1,985,376; Dec. 25.
- Lindenberger, John, Corona, N. Y. Advertising stand. 1,974,076; Sept. 18.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Radio receiving system. 1,955,245; Apr. 17.
- Linder, Cyril S., Elwood, Ind., assignor to Pittsburgh Plate Glass Company. Glass tank construction. 1,976,949; Oct. 16.
- Linder, Francis, assignor to Eclipse Aviation Corporation, East Orange, N. J. Starting mechanism. 1,962,962; June 12.
- Linder, Herman F., Atlanta, Ga. Badge or similar article. Des. 93,726; Oct. 30.
- Linder, Willis W., Salisbury, N. C. Apparatus for cleaning machines. 1,982,997; Dec. 4.
- Linderman, Clarence F., assignor of one-fourth to W. V. Baudendistel, Brookville, Ind. Motor vehicle chassis. 1,975,366; Oct. 2.
- Linderman, Garrett B., jr., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Diaphragm meter. 1,966,985; July 17.
- Linderoth, Erik T., assignor to C. F. Rosenblad, Sodertälje, Sweden. Controlling the temperature of hot water for tapping purposes. 1,944,088; Jan. 16.
- Linders, William Z. (See Fox, A. P., and Linders.)
- Linders, William Z., Normandy, assignor to Lincoln Engineering Company, St. Louis, Mo. Coupling. 1,947,208; Feb. 13.
- Linders, William Z., Normandy, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 1,959,724; May 22.
- Lindgren, Alexis C. (See Johnston, E. A., and Lindgren.)
- Lindgren, Alexis C. (See Johnston, E. A., Lindgren, Raney, and Hyman.)
- Lindgren, Alexis C., Chicago, Ill., assignor to International Harvester Company. Implement attachment for tractors. 1,960,269; May 29.
- Lindgren, Alexis C., Chicago, Ill., assignor to International Harvester Company. Harrow. 1,973,988; Sept. 18.
- Lindgren, Alexis C., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Windrow harvester. 1,944,750; Jan. 23.
- Lindgren, Alexis C., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Straw windrower for harvester-threshers. 1,946,658; Feb. 13.
- Lindgren, Alexis C., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Straw windrower for harvester-threshers. 1,946,656; Feb. 13.
- Lindgren, Alexis C., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Windrow harvester. 1,948,927; Feb. 27.
- Lindgren, Alexis C., Chicago, C. R. Raney, Riverside, and R. B. Hitchcock, Chicago, Ill., assignors to International Harvester Company. Tractor corn picker. 1,952,507; Mar. 27.
- Lindgren, Alexis C., Chicago, and W. S. Graham, Canton, Ill., assignors to International Harvester Company. Cultivator attachment for tractors. 1,960,270; May 29.
- Lindgren, Anders G. S., assignor to Aktiebolaget Alos, Gottenborg, Sweden. Wrapper. 1,945,648; Feb. 6.
- Lindgren, Bror J., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Supporting structure for punch presses and the like. 1,945,282; Jan. 30.
- Lindgren, Edmund. (See Mitchell, G. A., and Lindgren.)
- Lindgren, Ferdinand. (See Danielson, M. J., and Lindgren.)
- Lindgren, Frank A., Western Spring, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,950,737; Mar. 13.
- Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,984,487; Dec. 18.
- Lindgren, Gustave, assignor of one-half to O. F. Nelson, Chicago, Ill. Snowplow. 1,956,295; Apr. 24.

- Lindgren, Hans O., Appelviken, Sweden, assignor, by mesne assignments, to The De LaVal Separator Company, New York, N. Y. Centrifugal separator. 1,969,226; Aug. 7.
- Lindgren, Waldemar L., Waukegan, assignor to Hoeft & Company, Inc., North Chicago, Ill. Fertilizer and like spreader. 1,948,861; Feb. 27.
- Lindhe, Henry E., Chicago, Ill., assignor to Bakelite Corporation, New York, N. Y. Watch crystal. 1,964,886; July 3.
- Lindinger, John J., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery cell filler. 1,967,831; July 24.
- Lindner, Fritz. (See Lautenschlager, C. L. and Lindner.)
- Lindner, Fritz. (See Lautenschlager, C. L., Ludwig, and Lindner.)
- Lindner, Herbert, Berlin, Germany. Apparatus for testing the hardness of grinding disks. 1,944,353; Jan. 23.
- Lindner, Karl A., Perth Amboy, N. J., assignor to American Smelting & Refining Company, New York, N. Y. De-zincing machine. 1,949,391; Feb. 27.
- Lindner, Karl A., Roselle Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Reacting gases with liquids. 1,949,392; Feb. 27.
- Lindner, Kurt, assignor, by mesne assignments, to Oranienburger Chemische Fabrik Aktiengesellschaft, Oranienburg, Germany. Production of sulpho-acids of high molecular weight. 1,980,414; Nov. 13.
- Lindner, Martin, Glauchan, Germany. Limb heater. 1,983,907; Dec. 11.
- Lindquist, David E., assignor to Muller Brass Co., Port Huron, Mich. Manufacturing fittings. 1,964,474; June 26.
- Lindquist, David E., assignor to Mueller Brass Co., Port Huron, Mich. Apparatus for reshaping deformed pipe ends. 1,974,963; Sept. 25.
- Lindquist, David E., and P. Irving, assignors to Mueller Brass Co., Port Huron, Mich. Sprinkler head. 1,962,824; June 12.
- Lindquist, David L., Hartsdale, assignor to Otis Elevator Company, New York, N. Y. Elevator arrangement. 1,967,832; July 24.
- Lindquist, David L., Hartsdale, A. E. Handy, Lynbrook, and S. C. Margles, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 1,943,682; Jan. 16.
- Lindquist, David L., Hartsdale, A. E. Handy, Lynbrook, and S. G. Margles, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 1,956,153; Apr. 24.
- Lindquist, David L., Hartsdale, A. E. Handy, Lynbrook, and S. G. Margles, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 1,956,154; Apr. 24.
- Lindquist, David L., Hartsdale, A. E. Handy, Lynbrook, and S. G. Margles, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 1,956,155; Apr. 24.
- Lindquist, David L., Hartsdale, A. E. Handy, Lynbrook, and S. G. Margles, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 1,963,413; June 19.
- Lindquist, David L., Hartsdale, A. E. Handy, Lynbrook, and S. G. Margles, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 1,984,801; Dec. 18.
- Lindqvist, John, et al. (See Youtlen, H., Lindqvist, and Berglund, assignors.)
- Lindqvist, Magnus. (See Youtlen, H., Lindqvist, and Berglund.)
- Lindsay, Charles H. (See Smith, C. F., and Lindsay.)
- Lindsay, Charles M., Washington, D. C. Illuminating magnifying glass. 1,960,114; May 22.
- Lindsay, Etta M. (See Lindsay, Robert F., assignor.)
- Lindsay, George L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Overspeed safety stop mechanism for engines. 1,978,951; Oct. 30.
- Lindsay, Harvey B., Chicago, Ill. Radiation differential thermometer. 1,980,213; Nov. 13.
- Lindsay, Harvey B., Evanston, assignor to Dry Zero Corporation, Chicago, Ill. Insulating structure. 1,961,888; June 5.
- Lindsay, Harvey B., Evanston, assignor to Dry Zero Corporation, Chicago, Ill. Insulated structure. 1,981,559; Nov. 20.
- Lindsay, Robert F., assignor to E. M. Lindsay, Greenville, S. C. Automatic unloader for compressors. 1,942,433; Jan. 9.
- Lindsay, William C., South Harriman, Tenn. Folding table. 1,959,725; May 22.
- Lindsay Wire Weaving Company, The. (See Longoria, Antonio, assignor.)
- Lindsey, Ben G. (See Riggsby, Virgil, assignor.)
- Lindsey, Campbell E., Louisville, Ky. Folding bed. 1,961,637; June 5.
- Lindsey, Ernest E., San Francisco, Calif. Device for the making of edible ices. 1,965,901; July 10.
- Lindsey, John F. (See Johnson, A. E., and Lindsey.)
- Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Loose reeds for looms. 1,956,075; Apr. 24.
- Lindsjo, Verner, Hopedale, Mass., assignor to Draper Corporation, Detroit, Mich. Loom binder. 1,956,076; Apr. 24.
- Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Bobbin guide. 1,963,916; June 19.
- Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Shuttle changing loom. 1,971,225; Aug. 21.
- Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Adjustable shuttle check. 1,971,226; Aug. 21.
- Lindskog, Arvid, New York, N. Y. Valve lubricating mechanism. 1,950,314; Mar. 6.
- Lindsley, George F., Milwaukee, Wis. Ground base block. 1,984,221; Dec. 11.
- Lindstrom, Albert F., Nutley, N. J., assignor to Westinghouse Lamp Company. Lamp coating. 1,941,990; Jan. 2.
- Lindstrom, Andrew E., San Francisco, Calif. Vacuum sealing machine. 1,958,951; May 15.
- Lindstrom, Carl, Aktiengesellschaft. (See Hübner, Hanns, assignor.)
- Lindstrom, Ernest H. (See Olsen, C. E., and Lindstrom.)
- Lindstrom, Frank L., Bridgeport, Conn. Game board. Des. 91,672; Mar. 6.
- Lindstrom, Harold H., J. M. Lawrence, and C. B. Bower, Minneapolis, Minn., assignors to Multigraph Company, Wilmington, Del. Combined accounting, printing, and typesetting machine. 1,976,738; Oct. 16.
- Lindstrom Tool & Toy Company, The. (See Casler, Herman, assignor.)
- Lindvall, Sten E. (See Blide, T. E. D., and Lindvall.)
- Lineburg, James R. (See Mallick, Albert F., assignor.)
- Line Material Company. (See Earle, Ralph H., assignor.)
- Line Material Company. (See Johnson, William G., assignor.)
- Line Material Company. (See Kyle, William D., assignor.)
- Line Material Company. (See Kyle, W. D., and Steinmayer, assignors.)
- Line Material Company. (See Lemont, Clarence J., assignor.)
- Line Material Company. (See Schultz, William O., assignor.)
- Line Material Company. (See Smythe, Robert L., assignor.)
- Line Material Company. (See Steinmayer, Alwin G., assignor.)
- Line Material Company. (See Steinmayer, A. G., and Kyle, assignors.)
- Line Material Company. (See Steinmayer, A. G., and Schultz, assignors.)
- Line Material Company. (See Steinmayer, A. G., and Smythe, assignors.)
- Line-O-Scribe Incorporated. (See Hagstrom, Joseph E., assignor.)
- Line-O-Scribe, Inc. (See Lamb, H. W., Nixon, and Hurlburt, assignors.)
- Lirero, Roberto E., assignor of one-half to J. Polanco, New York, N. Y. Billiard table. 1,973,492; Sept. 11.
- Lines, Edwin M. (See Graham, J. E., and Lines.)
- Lines, Edwin M., Dedham, assignor to Bird & Son, Inc., East Walpole, Mass. Floor covering and method. 1,956,197; Apr. 24.
- Ling, Jacob J., Chicago, Ill. Razor blade sharpener. 1,957,278; May 1.
- Lingenfelter, Cleo J., Oakland, assignor to Pacific Manufacturing Book Company, Emeryville, Calif. Unitary manufacturing packet. 1,968,212; July 31.
- Lingg, Alfred, and L. Goldhammer, Munich, Germany, assignors to Aetia Anso Corporation, Binghamton, N. Y. Stop for motion picture apparatus. 1,977,134; Oct. 16.
- Lingo, Frank M., Columbus, Ohio. Paper clip. 1,972,452; Sept. 4.
- Link, Bob L., Salisbury, N. C. Preserving device. 1,969,617; Aug. 7.
- Link, Edwin A., jr., Cortland, N. Y. Illuminated aerial display. 1,982,960; Dec. 4.
- Link, Emmet C., Gary, Ind. Golfer's kit. 1,973,819; Sept. 18.
- Link, John H., Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffing gear. 1,949,060; Feb. 27.
- Link, John H., Merion Station, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Draft rigging. 1,968,494; July 31.
- Link, John H., Merion Station, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffer gear. 1,968,495; July 31.
- Link, Louis, Baton Rouge, La., assignor to Standard Oil Development Company. Distillation of hydrocarbon oils. 1,955,246; Apr. 17.
- Link, Maximilian W., Oak Park, assignor to Crane Co., Chicago, Ill. Controlled flow plug valve. 1,972,151; Sept. 4.
- Link, Richard A., assignor to The L. A. Young Company, Detroit, Mich. Golf club. 1,942,434; Jan. 9.
- Link, Rolls P., Hackney, London, England. Automatic magazine gramophone. 1,953,020; Mar. 27.
- Link, Samuel E., and F. G. White, assignors, by mesne assignments, to M. W. Borders, jr., Kansas City, Mo. Refrigerated vending apparatus. 1,974,800; Sept. 25.
- Link-Belt Company. (See Bryant, Jerrus M., assignor.)
- Link-Belt Company. (See Fisk, George, assignor.)
- Link-Belt Company. (See Mick, F. E., and Major, assignors.)
- Link-Belt Company. (See Morrish, C. B., and Rex, assignors.)
- Link-Belt Company. (See Oakes, Frank J., assignor.)
- Link-Belt Company. (See Oakes, F. J., and Thornbrough, assignors.)
- Link-Belt Company. (See Olson, G. H., and Ekblom, assignors.)

- Link-Belt Company. (See Pierce, Harold S., assignor.)
 Link-Belt Company. (See Phillips, William E., assignor.)
 Link-Belt Company. (See Rear, James C., assignor.)
 Link-Belt Company. (See Tark, Marcus B., assignor.)
 Link-Belt Company. (See Waechter, Ferdinand F., assignor.)
 Link-Belt Company. (See Walker, Robert S., assignor.)
 Link Belt Company. (See Weiss, Charles R., assignor.)
 Linke, Paul A., Summit, N. J., assignor to United States Rubber Company, New York, N. Y. Connection for woven and knitted fabric. 1,960,444; May 29.
 Linke, Walter, Berkeley, Calif., dedicated to the People and the Government of the United States of America. Heat-absorbing window. 1,957,279; May 1.
 Linkens, Harold. (See Stover, Francis E., assignor.)
 Linker, Arthur, Hanover, Germany. Connector for electric circuits. 1,972,306; Sept. 4.
 Linkert, Howard W., Indianapolis, Ind., assignor, by mesne assignments, to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,972,743; Sept. 4.
 Linley, George A., Trumbull, Conn. Roll-holder for rivet spinning machines. 1,969,568; Aug. 7.
 Linn, David H., assignor to Postindex Company, Inc., Jamestown, N. Y. Card index. 1,955,592; Apr. 17.
 Linn, Holman H., Morris, assignor to Linn Trailer Corporation, Oneonta, N. Y. Trailer construction. 1,953,051; Mar. 27.
 Linn, Holman H., Morris, assignor to Linn Trailer Corporation, Oneonta, N. Y. Trailer construction. 1,953,052; Mar. 27.
 Linn, Holman H., Morris, assignor to Linn Trailer Corporation, Oneonta, N. Y. Trailer construction. 1,953,053; Mar. 27.
 Linn, Holman H., Morris, assignor to Linn Trailer Corporation, Oneonta, N. Y. Vehicle construction. 1,954,637; Apr. 10.
 Linn, Holman H., Morris, assignor to Linn Trailer Corporation, Oneonta, N. Y. Vehicle construction. 1,959,168; May 15.
 Linn, Holman H., Morris, assignor to Linn Trailer Corporation, Oneonta, N. Y. Trailer construction. 1,968,046; July 31.
 Linn, Joseph C., assignor to The Perfect Circle Company, Hagerstown, Ind. Automatic slitting fixture for piston rings. 1,968,840; Aug. 7.
 Linn Trailer Corporation. (See Linn, Holman H., assignor.)
 Linnemann, Joseph G., Cincinnati, Ohio. Garment hanger. 1,970,009; Aug. 14.
 Linnemann, Adrianus. (See Dorgelo, E. G., Bol, and Linnemanns.)
 Linney, Robert J., Lyon Mountain, N. Y. Demonstration apparatus. 1,947,605; Feb. 20.
 Linnmann, Wilhelm, jr., Essen-Altenessen, Germany. Apparatus for separating liquids of different gravity. 1,958,054; May 8.
 Linnmann, Wilhelm, jr., Essen-Altenessen, Germany. Tank structure. 1,958,055; May 8.
 Linotype and Machinery Limited. (See Gayter, Eric, assignor.)
 Linotype and Machinery Limited. (See Gorse, W. F., and Scott.)
 Linotype and Machinery Limited. (See Meachin, H. W., and Scott, assignors.)
 Linotype and Machinery Limited. (See Newton, S., and Spence, assignors.)
 Linotype and Machinery Limited. (See Peacock, Herbert, assignor.)
 Linotype and Machinery Limited. (See Spence, F., and Bartley, assignors.)
 Linsley, Douglas F., Old Greenwich, Conn. Vacuum operated gear shift mechanism. 1,966,865; July 17.
 Linsley, Le Roy E. (See Brumell, H. P., and Linsley.)
 Linster, John T., H. B. Pray, and H. A. Lubs, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur colors. 1,981,055; Nov. 20.
 Linstrom, Peter J., et al. (See MacDonald, Kenneth W., assignor.)
 Lint, Chester H. (See Hall, Glen R. and H., and Lint.)
 Lintreure, Edmund J., Louisville, Ky. Grinding wheel construction. 1,953,181; Apr. 3.
 Lintern, Alfred R. (See Lintern, William and A. R.)
 Lintern, Thomas E. C., Cardiff, Wales. Lifting or jacking-up automobiles and other road vehicles. 1,947,346; Feb. 13.
 Lintern, William, Cleveland, Ohio. Ventilating and/or cooling vehicle body. 1,961,978; June 5.
 Lintern, William and A. R., Cleveland, Ohio. Vehicle body ventilator and method. 1,958,056; May 8.
 Lintern, William and A. R., Cleveland, Ohio. Vehicle body ventilator and method. 1,969,934; Aug. 14.
 Lintern, William and A. R., Cleveland, Ohio. Vehicle body ventilator and method. 1,969,935; Aug. 14.
 Linton, Bert F., Visalia, Calif. Fifth wheel for trailers. 1,943,735; Jan. 16.
 Linton, Merwyn B., Chicago, Ill. Push on and pull off grease gun fitting. 1,982,678; Dec. 4.
 Linville, Arthur P., South Gate, Calif. Receptacle and socket for neon tubes. 1,955,854; Apr. 24.
 Linzer, Aaron, New York, N. Y. Paint brush and preparing the same. 1,952,998; Mar. 27.
 Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)
 Lionel Distilled Products, Inc. (See Goldblatt, Joseph, assignor.)
 Liotta, Ernest, Cleveland, Ohio. Artificial bait. 1,946,979; Feb. 13.
 Lloy, Francesco P., Passaic Park, N. J., assignor to Rex Shoe Machine Co. Inc., New York, N. Y. Shoe sole attaching press. 1,966,073; July 10.
 Lipe, W. C., Inc. (See Fish, E. R., assignor.)
 Lipe, W. C., Inc. (See Haas, Max, assignor.)
 Lipe, W. C., Inc. (See Spase, Charles B., assignor.)
 Lipfert, Bernard. (See Gershowitz, S., and Lipfert.)
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerator circuit breaker. 1,949,724; Mar. 6.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Motor driven unit. 1,954,014; Apr. 10.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Evaporator. 1,954,015; Apr. 10.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Sealed connector. 1,956,869; May 1.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Muffler and pressure unloader. 1,965,419; July 3.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Fluid pressure unloader. 1,965,420; July 3.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerating apparatus. 1,967,033; July 17.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Motor compressor unit. 1,967,034; July 17.
 Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Motor compressor unit. 1,967,035; July 17.
 Lipman, Harris J., New York, N. Y. Dress buckle. Des. 91,276; Jan. 2.
 Lipman Patents Corporation. (See Lipman, Carl E. L., assignor.)
 Lipman Patents Corporation. (See Mallory, Edward B., assignor.)
 Lipp, Elmer L. (See Clayton, B., and Lipp.)
 Lipp, Elmer L., Los Angeles, Calif., assignor, by mesne assignments, to Refining, Inc., Reno, Nev. Electrically controlled valve system. 1,957,069; May 1.
 Lipp, Elmer L., Los Angeles, Calif., assignor, by mesne assignments, to Refining, Inc., Reno, Nev. Coin controlled apparatus. 1,981,273; Nov. 20.
 Lippard, Robert M. (See Taylor, E. M., Quimby, and Lippard.)
 Lippert, Elmer, Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Locomotive tender. 1,982,819; Dec. 4.
 Lippert, Henry E., Pittsburgh, Pa. Foot control for motor vehicles. 1,964,764; July 3.
 Lippert, Henry E., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Incorporated. Locomotive stoker. 1,952,720; Mar. 27.
 Lippert, Henry E., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Tender structure. 1,965,983; July 10.
 Lippert, Henry E., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Stoker fuel distributing apparatus. 1,984,025; Dec. 11.
 Lippmann, Ludwig M., Berlin, Germany. Denicotinizing tobacco. 1,983,908; Dec. 11.
 Lippman, Nathan. (See Snook, R. J., and Lippman.)
 Lippner, Felix. (See Lenk, E., and Lippner.)
 Lippold, Adolph J. (See Boileau, A. H., and Lippold.)
 Lipscomb, Gaston J., Montclair, N. J. Weed cutter. 1,947,785; Feb. 20.
 Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,832; Nov. 13.
 Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,833; Nov. 13.
 Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,834; Nov. 13.
 Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,835; Nov. 13.
 Lipscomb, Vergil C., assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,878; Nov. 20.
 Lipscomb, Vergil C., St. Louis, assignor to Wohl Shoe Company, St. Louis, Mo. Shoe. Des. 93,935; Nov. 27.
 Lipsey, Maurice, Glasgow, assignor of one-half to British National Electric Limited, Mossend, Scotland. Multiple fuse. 1,981,735; Nov. 20.
 Liptak, Michael, St. Paul, Minn. Fire wall. 1,952,175; Mar. 27.
 Liptak, Michael, St. Paul, Minn. Boiler setting. 1,952,176; Mar. 27.
 Liptak, Michael, St. Paul, Minn. Fire wall. 1,966,674; July 17.
 Liptay, John M., Crestwood, N. Y. Dual draft fume hood. 1,968,532; July 31.
 Liquid Carbonic Corporation. (See Gruetter, John R., assignor.)
 Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
 Liquid Carbonic Corporation, The. (See Minor, Henry R., assignor.)
 Liquid Cooler Corporation. (See Kellogg, Herbert C., assignor.)
 Lisella, Guido, et al. (See Lisella, R. A., and Daderko, assignors.)

- Lisella, Robert A., and M. Daderko, assignors of one-fourth to G. Lisella, Summitt Hill, and one-fourth to G. A. Shutack, Nesquehoning, Pa. Antiskid chain and applying and removing same. 1,975,325; Oct. 2.
- Lisk Manufacturing Company. (See Lewis, William F., assignor.)
- Liska, Charles, Oceanside, Calif. Key holder. 1,974,245; Sept. 18.
- Liska, Frank J., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Prie Dieu. Des. 91,673; Mar. 6.
- Liska, Frank J., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Crucifix. Des. 91,674; Mar. 6.
- Liska, Frank J., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Candlestick. Des. 91,832; Mar. 27.
- Liska, Frank J., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Torchère. Des. 91,833; Mar. 27.
- Liska, Frank J., assignor to Holland Brass Works, Incorporated, Chicago, Ill. End pedestal for a prie dieu. Des. 91,950; Apr. 10.
- Liska, Frank J., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Flower vase. Des. 92,011; Apr. 17.
- Lisle Corporation. (See Bock, Albert E., assignor.)
- Lisle Corporation. (See Olson, Carl A., assignor.)
- Lisner, D., & Co. (See Ganz, Paul H., assignor.)
- Lissauer, Firma M., & Cie. (See Witter, Wilhelm, assignor.)
- Lissman, Marcel. (See Horne, G. H., and Lissman.)
- Lissman, Marcel A., Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for propelling gas carrying abrasive suspended material. 1,955,465; Apr. 17.
- Lissman, Marcel A., Temple City, assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for electrical precipitation. 1,959,374; May 22.
- Lissman, Marcel A., Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for producing unidirectional electric current at high voltage. 1,972,528; Sept. 4.
- Lissman, Marcel A., Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Classifier. 1,978,801; Oct. 30.
- Lissman, Marcel A., Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Centrifugal classifying apparatus. 1,978,802; Oct. 30.
- Lissy, William, Spokane, Wash. Fish lure. 1,948,823; Feb. 27.
- List, Carl, Elmont, N. Y. Beehive press. 1,945,861; Feb. 6.
- List, Leonardo J., Merion, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Corrugator. 1,954,881; Apr. 17.
- List, Leonardo J., Merion, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Corrugator. 1,960,677; May 29.
- List, Raymond F., assignor to National Sewing Machine Company, Belvidere, Ill. Sewing machine head. Des. 93,667; Oct. 23.
- Lister, Donald A., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,957,788; May 8.
- Lister, R. A., & Company Limited. (See Sanders, A. F., and Howlett, assignors.)
- Lister, Sydney. (See White, T., and Lister.)
- Lister, William, Chicago, Ill. Rotary piston and cylinder construction. 1,972,744; Sept. 4.
- Liston, Jerry, Juntura, and P. F. Brennan, Ontario, Oreg. Double acting jack. 1,951,096; Mar. 13.
- Liston, Marc L. (See Victor, J. H., Liston, and Matusak.)
- Litchfield, Earl A., assignor to Daniel W. Winzeler, Montpelier, Ohio. Fastening tool handle. 1,951,248; Mar. 13.
- Litchfield, Isaac W., Boston, Mass., assignor to Bemis Bro. Bag Co., New York, N. Y. Bag. 1,944,089; Jan. 16.
- Litchfield, Isaac W., Boston, Mass. Clutch and operating mechanism therefor. 1,968,155; July 31.
- Lite Watchman Corporation. (See Cordon, Hayner H., assignor.)
- Lithgow, John, Chicago, Ill. Fluid fuel burner. 1,967,036; July 17.
- Lithman, Leopold, New York, N. Y. Radiator. 1,942,559; Jan. 9.
- Lithman, Leopold, New York, N. Y. Radiator. 1,942,560; Jan. 9.
- Lithographic Technical Foundations, Inc., The. (See Reed, Robert F., assignor.)
- Little, Thomas J., Jr., Indianapolis, Ind., assignor to Packard Motor Car Company Detroit Mich. Internal combustion engine. 1,954,937; Apr. 17.
- Litomy, John L., Glen Ridge, N. J. Machine for sharpening saw blades. 1,952,323; Mar. 27.
- Littell, Elmer R., St. Bernard, Ohio. Pipe holder. 1,974,246; Sept. 18.
- Littell, F. J., Machine Co. (See Littell, Frederick J., assignor.)
- Littell, Frederick J., assignor to F. J. Littell Machine Co., Chicago, Ill. Strip stock feed for presses. 1,947,015; Feb. 13.
- Littell, Nelson. (See Hebig, Henry C., assignor.)
- Littell, Nelson. (See Newton, George B., assignor.)
- Littell, Nelson, and H. C. Hebig, Brooklyn, N. Y. Footwear. 1,973,292; Sept. 11.
- Little, Arthur D., Incorporated. (See Atkinson, Ralph L., assignor.)
- Little, Arthur D., Incorporated. (See Carpenter, J. B., Jr., and Stevenson, assignors.)
- Little, Cecil C., Detroit, Mich. Neon tube housing. 1,964,068; June 26.
- Little, Charles D., assignor to Seminole Flavor Company, Chattanooga, Tenn. Bottle. Des. 92,098; Apr. 24.
- Little, Charles E., Melrose, Mass. Tool box for hexagonal socket wrenches. 1,944,606; Jan. 23.
- Little, Clifton T., Flushing, N. Y. Mechanism and circuits for selective operation of electrical switches. 1,956,038; Apr. 24.
- Little, Earl W., Indianapolis, Ind. Perch for bird cages. 1,951,550; Mar. 20.
- Little, Earl W., Indianapolis, Ind. Removable bottom for cages. 1,963,414; June 19.
- Little, Earl W., Indianapolis, Ind. Ornamental structure for bird cages. 1,974,823; Sept. 25.
- Little, Frederick B., Chicago, Ill. Mechanism for controlling electric circuits. 1,983,236; Dec. 4.
- Little, Frederick B., assignor to E. Deagan, Chicago, Ill. Electric control for sound amplifying systems. 1,958,053; May 8.
- Little, George H., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Coordinating mechanism for packaging and wrapping machines and package transfer mechanism therefor. 1,961,697; June 5.
- Little, George W., New York, N. Y. Distemper serum and method of use. 1,967,476; July 24.
- Little, Gordon E., Roseville, Mich. Trailer attachment for motor boats. 1,946,497; Feb. 13.
- Little, Harold B. (See Miller, K. C., and Little.)
- Little, Harold B., and K. C. Miller, assignors to The Baltimore Enamel & Novelty Co., Baltimore, Md. Wall covering. 1,980,866; Nov. 13.
- Little, Jesse, Warwick, assignor to Daval Rubber Company, Providence, R. I. Nipple construction. 1,957,969; May 8.
- Little, John B., assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,361; Jan. 16.
- Little, John B., assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,186; May 8.
- Little, John W., Pawtucket, R. I., assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Container. 1,951,249; Mar. 13.
- Little, Thomas J., Riverdale, assignor to Anaconda Wire & Cable Company, New York, N. Y. Connector. 1,984,026; Dec. 11.
- Littledale, Hickson F., Fullerton, assignor to Metal Garment Hangers, Inc., Los Angeles, Calif. Garment hanger. 1,962,399; June 12.
- Littlefield, Arlon, Cranston, assignor to New England Butt Company, Providence, R. I. Strand twisting machine. 1,952,929; Mar. 27.
- Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Slicing machine. 1,948,622; Feb. 27.
- Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Web feed means. 1,965,659; July 10.
- Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Combined wrapping and slicing machine. 1,966,180; July 10.
- Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Slicing machine. 1,977,071; Oct. 16.
- Littlefield, Edgar. (See Baggs, A. E., and Littlefield.)
- Littlefield, Harry J., East Rockaway, N. Y. Traffic controlling system. 1,948,424; Feb. 20.
- Littlefield, Mary H. (See Tice, R. S., and Littlefield.)
- Littleford Brothers. (See Littleford, John S., Jr., assignor.)
- Littleford, John S., Jr., Fort Thomas, Ky., assignor to Littleford Brothers, Cincinnati, Ohio. Road repair apparatus. 1,957,144; May 1.
- Littleford, John W. (See Chapman, G. A., and Littleford.)
- Littlejohn, Henry G., Chicago, Ill., assignor to Scovill Manufacturing Company, Waterbury, Conn. Slide buckle. 1,942,361; Jan. 2.
- Littlepage, Benjamin G. (See Carraway, T. W., and Littlepage.)
- Littler, Carl W., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Control system. 1,951,426; Mar. 20.
- Littler, Carl W., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Cobble removal from push benches. 1,952,677; Dec. 4.
- Littler, Carl W., and F. E. Fieger, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Method and apparatus for tube manufacture. 1,970,570; Aug. 21.
- Littleton, Jesse T., assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for cooling glass. 1,981,560; Nov. 20.
- Littleway Process Company, The. (See Hopkins, Nathan F., assignor.)
- Littman, Zeno, New York, N. Y. Supporting and stabilizing mechanism. 1,955,507; Apr. 17.
- Litman, Zeno, New York, N. Y. Vehicle suspension mechanism. 1,978,498; Oct. 30.

- Littooey, John F., assignor to Hercules Glue Company, San Francisco, Calif. Rinse water conditioner and process. 1,975,962; Oct. 9.
- Liverrance, Frank E. (See Watson, James B., assignor.)
- Livernore, H. F., Co. (See Dodge, S. O., and Newton, assignors.)
- Livernore and Knight Company. (See Dowd, J. F., King, and Spencer, assignors.)
- Livernore, William T. (See Smith, T. C., Freeman, and Livernore.)
- Livernore, William T., Westfield, and A. E. Freeman, East Orange, N. J. Shock absorber. 1,967,833; July 24.
- Livers, John F., Kansas City, Mo. Lighting fixture. 1,973,086; Sept. 11.
- Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Harvester. 1,954,630; Apr. 10.
- Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Windrower. 1,959,432; May 22.
- Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Buckle. 1,976,950; Oct. 16.
- Livingood, Christopher, Berkeley, Calif. Ore concentrating unit. 1,946,219; Feb. 6.
- Livingston, Alan V., Englewood, N. J., assignor to The Safety Car Heating & Lighting Company. Apparatus for winding and the like. 1,959,680; May 22.
- Livingston, Andrew F., assignor of one-half to A. E. Suggs, Abilene, Tex. Game. 1,956,198; Apr. 24.
- Livingston, Charles M., assignor to A. N. Porter, Tulsa, Okla. Straight lift pumping unit. 1,979,803; Nov. 6.
- Livingston, Edmund M., Chambersburg, Pa. Connector for electric cables. 1,975,467; Oct. 2.
- Livingston, Frank B., Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiconductor cable. 1,952,875; Mar. 27.
- Livingston, Jay K., assignor of one-fourth to J. R. Cole and one-fourth to Patent Securities Company, Tulsa, Okla. Hair treating apparatus and also permanently straightening hair on a human head. 1,983,909; Dec. 11.
- Livingston, John W. (See Bebie, J., Livingston, and Luthy.)
- Livingston, John W. (See Bone, H. L., and Livingston.)
- Livingston, John W., Wilksburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,942,513; Jan. 9.
- Livingston, Louis. (See Stayton, W. H., and Livingston.)
- Livingston, Orrin W., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 1,961,057; May 29.
- Livingston, Stanley D., Freeport, N. Y. Stroboscope. 1,949,483; Mar. 6.
- Livingston, Walter A., Seattle, Wash. Folding umbrella. 1,964,292; June 26.
- Livinson, Benjamin H., New York, N. Y., and H. F. Webster, St. Louis, Mo. Pinking attachment or machine. 1,984,937; Dec. 18.
- Lizzola, Angelo. (See Rogge, Bernard, assignor.)
- Lizzola, Angelo, New York, N. Y. Well for flower boxes and the like. 1,952,597; Mar. 27.
- Ljunggren, Gustaf, Lund, Sweden. Apparatus for the determination of carbon monoxide. 1,977,002; Oct. 16.
- Ljungström, Fredrik, Brevik, Lindingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Turbine. 1,942,608; Jan. 9.
- Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Steam or gas turbine aggregate. 1,960,744; May 29.
- Ljungström, Fredrik, Brevik, Lidingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Bearing. 1,965,293; July 3.
- Ljungström, Fredrik, Lidingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Turbine. 1,944,987; Jan. 30.
- Ljungström, Fredrik, Lidingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Turbine. 1,950,088; Mar. 6.
- Ljungström, Fredrik, Lidingo, Sweden, assignor, by mesne assignments, to Ped, Incorporated, New York, N. Y. Brake. 1,952,324; Mar. 27.
- Ljungström, Fredrik, Lidingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Cooling system for internal combustion engines. 1,980,811; Nov. 13.
- Ljungström, Fredrik, Stockholm, Sweden, assignor, by mesne assignments, to Ped, Incorporated, New York, N. Y. Friction clutching device. 1,976,791; Oct. 16.
- Llewellyn, Ernest R., Arlington, Mass., assignor to The Hendey Machine Company, Torrington, Conn. Power transmitting apparatus. 1,979,333; Nov. 6.
- Llewellyn, Ernest R., Arlington, Mass., and G. H. Higgins, assignors to The Hendey Machine Company, Torrington, Conn. Shaper and power transmitting mechanism therefor. 1,958,106; May 8.
- Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical bonding. 1,951,918; Mar. 20.
- Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative resistance device. 1,963,751; June 19.
- Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Noise suppression circuit. 1,968,460; July 31.
- Llewellyn, Frederick B., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Constant frequency oscillator. 1,976,570; Oct. 9.
- Llewellyn, William B., and H. Spence, assignors to Peter Spence & Sons, Limited, Manchester, England. Preparation of titanium compounds. 1,980,812; Nov. 13.
- Llewellyn, John H., Utica, N. Y. Yarn catcher for looms. 1,967,510; July 24.
- Lloyd, Albert S., Los Angeles, Calif. Power system. 1,957,893; May 8.
- Lloyd, Arthur, Philadelphia, Pa. Wall papering machine. 1,960,850; May 29.
- Lloyd, David W., Clayton, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Flexible diaphragm device. 1,967,314; July 24.
- Lloyd, Frank L., and G. J. Huntley, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Combined bottling and capping machine. 1,957,464; May 8.
- Lloyd, Harry P., Wilmington, Del. Nut lock. 1,945,325; Jan. 30.
- Lloyd, Ray T. (See Baldwin, William B., assignor.)
- Lloyd, Roy D. (See Gardner, R. L., and Lloyd.)
- Lloyd, William, West Orange, N. J., assignor to Ferro-Co Corporation, Brooklyn, N. Y. Shutter for radiator enclosures. 1,941,846; Jan. 2.
- Lloyd, William A., Baltimore, Md. Automatic cigarette lighter and ejector. 1,946,406; Feb. 6.
- Lloyd, William D., assignor to National Super Products Corporation, Chicago, Ill. Bandage. 1,981,561; Nov. 20.
- Löbbeck, Wilhelm, Westphalia, Germany. Conveyer. 1,945,324; Jan. 30.
- Löbberberg, Hans, Cologne, Germany. Garter. 1,962,021; June 5.
- Lobdell, Arthur M., assignor to Lobdell, Swift & Sons, Plympton, Mass. Sawing machine. 1,972,453; Sept. 4.
- Lobdell, Swift & Sons. (See Lobdell, Arthur M., assignor.)
- Lobeck, Albert E., Haworth, N. J. Astronomical instrument. 1,968,461; July 31.
- Lobel, Paul A., assignor to Herz Cup Company, Incorporated, New York, N. Y. Dispenser for cups or the like. Des. 91,435; Jan. 30.
- Lobit, Jean M., Rosebank, N. Y. Keyboard. 1,977,829; Oct. 23.
- Lobl, Frederick, Middleboro, Mass. Nasal inhaler. 1,950,926; Mar. 13.
- Löbl, Oskar, Berlin-Hermsdorf, Germany. Voltage regulating transformer. 1,942,481; Jan. 9.
- Löbl, Oskar, Berlin-Hermsdorf, Germany. Method of and apparatus for converting polyphase current into single-phase current. 1,948,119; Feb. 20.
- Lock, Archibald C., Dulwich, assignor to Simms Motor Units Limited, London, England. Starting gear for internal combustion engines. 1,941,698; Jan. 2.
- Lock Patents Holding Corporation. (See Samburg, Maurice, assignor.)
- Locke, Edwin A., Jr., Quincy, Mass., assignor to Nevins Church Press, Inc., New York, N. Y. Display card. 1,973,641; Sept. 11.
- Locke, George A. (See Lane, C. C., and Locke.)
- Locke, George A. (See Vernam, G. S., and Locke.)
- Locke, George A., Glenwood, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex telegraph system. 1,957,502; May 8.
- Locke, George A., Glenwood, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Disconnect signal. 1,965,421; July 3.
- Locke Insulator Corporation. (See Deisch, Noel, assignor.)
- Locke Insulator Corporation. (See Gouverneur, Minor F. H., assignor.)
- Locke Insulator Corporation. (See Hawley, Kent A., assignor.)
- Locke Insulator Corporation. (See Hill, Gregory C., assignor.)
- Locke Insulator Corporation. (See McCoy, Robert L., assignor.)
- Locke Insulator Corporation. (See Roberts, Charles W., assignor.)
- Locke Insulator Corporation. (See Robertson, John C., assignor.)
- Locke Insulator Corporation. (See Rowland, Davidge H., assignor.)
- Locke Insulator Corporation. (See Skipper, E. M., and McCoy, assignors.)
- Locke Insulator Corporation. (See Stevens, Leland J., assignor.)
- Locke Insulator Corporation. (See Vrooman, Edward C., assignor.)
- Locke Regulator Company. (See Heaney, William A., assignor.)
- Locke Steel Chain Company, The. (See Stegeman, H. J., and Barnes, assignors.)
- Locke Steel Chain Company, The. (See Stegeman, H. J., and Locke, assignors.)
- Locke, Sylvanus D. (See Stegeman, H. J., and Locke.)
- Locke, Sylvanus D., Bridgeport, and H. J. Stegeman, Fairfield, Conn. Golf bag. 1,951,158; Mar. 13.
- Lockemann, George, and O. Gerngross, Berlin-Grünwald, K. Rülke, Berlin-Charlottenburg, and W. Ulrich, Berlin, Germany. Disinfectant composition. 1,950,315; Mar. 6.
- Lockenvitz, Wilhelm, Kolonie Blumenau, Berlin, assignor to C. J. Lehmann, Berlin, Germany. Sewing machine. 1,980,278; Nov. 13.
- Lockett, A. M., & Company. (See Lockett, Andrew M., assignor.)

- Lockett, Andrew M., New Orleans, La. Massaging implement. 1,949,316; Feb. 27.
- Lockett, Andrew M., assignor to A. M. Lockett & Company, Limited, New Orleans, La. Gravel washer and separator. 1,958,309; May 8.
- Lockett, Ralph G., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric motor controller. 1,975,234; Oct. 2.
- Lockhart, Minnie. (See Mar, Edmundo, assignor.)
- Lockhart, William A., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Glass cutting machine. 1,977,135; Oct. 16.
- Lockheed Aircraft Corporation. (See Hibbard, Hall L., assignor.)
- Lockheed Hydraulic Brake Company. (See Boughton, Edward B., assignor.)
- Lockie, Kenneth G., Toronto, Ontario, Canada, assignor to Hookless Separator Company. Hopper mechanism. 1,973,720; Sept. 18.
- Lock Joint Pipe Company. (See Hirsh, Allan M., assignor.)
- Lock Joint Pipe Company. (See Trickey, William W., assignor.)
- Lock Joint Window Company. (See Foresman, Harry B., assignor.)
- Lockie, Albert R., Oak Park, Ill. Electric switch and system. 1,983,298; Dec. 4.
- Lockwood, Burns D., New Castle, assignor, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Car coupler. 1,969,936; Aug. 14.
- Lockwood, Dunbar, Boston, assignor to A. H. Hews & Co., Incorporated, Cambridge, Mass. Flowerpot. 1,971,075; Aug. 21.
- Lockwood, James B. (See Hemingway, W., jr., and Lockwood.)
- Lockwood Manufacturing Company, The. (See Young, George G., assignor.)
- Locomotive Booster Company. (See Ingersoll, Howard L., assignor.)
- Locomotive Finished Material Company, The. (See Moorhead, Arthur H., assignor.)
- Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
- Locomotive Firebox Company. (See Mitchell, William F., assignor.)
- Locomotive Firebox Company. (See Pyle, Leslie R., assignor.)
- Locomotive Firebox Company. (See Seley, Charles A., assignor.)
- Lodder, William B., Syracuse, N. Y. Agitator. 1,984,975; Dec. 18.
- Lodeesen, Herman J. (See Tanner, R. R., and Lodeesen.)
- Lodge, Edmund G., Oak Lane, assignor to H. H. Eby, Philadelphia, Pa. Low gradient resistor. 1,948,354; Feb. 20.
- Lodge, Frank. (See Haddock, N. H., Lodge, and Lumsden.)
- Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 1,951,427; Mar. 20.
- Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Sewering apparatus. 1,955,004; Apr. 17.
- Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Temperature indicating device. 1,965,422; July 3.
- Loeb, Frieda. (See Loeb, Maurice, assignor.)
- Loeb, Joseph, Portland, Ore. Automatic golf tee. 1,972,894; Sept. 11.
- Loeb, Joseph H., Morgan City, La. Attachment for book-keeping machines. 1,985,178; Dec. 18.
- Loeb, Maurice, assignor to F. Loeb, Chicago, Ill. Device for the separation of matter from liquids. 1,952,211; Mar. 27.
- Loeb, Rudolf, Ventnor, N. J. Ruffling mechanism. 1,978,432; Oct. 30.
- Loebel, Zanvil C., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Aqueous bituminous dispersions and making same. 1,960,115; May 22.
- Loebell, Henry O., Malba, Long Island, assignor to Henry L. Doherty, New York, N. Y. Carbonization apparatus. 1,944,749; Jan. 23.
- Loebell, Henry O., Malba Whitestone, Long Island, assignor to H. L. Doherty, New York, N. Y. Manufacture of carbonized water gas. 1,964,293; June 26.
- Loebell, Henry O., Malba, and A. L. Klees, Long Beach, assignors to Combustion Utilities Corporation, New York, N. Y. Preparing carbonized fuel briquets. 1,948,471; Feb. 20.
- Loebell, Henry O., Malba, and A. L. Klees, Long Beach, assignors to Henry L. Doherty, New York, N. Y. Carbonization process. 1,948,472; Feb. 20.
- Loeber, Edgar O., assignor, by mesne assignments, to The Stay-On-Mfg. Company, Cleveland, Ohio. Receptacle. 1,977,641; Oct. 23.
- Loebl, Jerrold. (See O'Connell, D. J., Schlossman, Demuth, and Loebl.)
- Loeb, Albert, Richmond Hill, N. Y. Vaporizer. 1,949,803; Mar. 6.
- Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Engine brake. 1,947,996; Feb. 20.
- Loeffler, George, New York, N. Y. Spring suspension seat. 1,979,892; Nov. 6.
- Loeffler, Jacob F. (See Heitmüller, B. V., and Loeffler.)
- Loeffler, Louis J., Stapleton, N. Y. Electric signaling device. 1,956,393; Apr. 24.
- Loeffler, Rudolph W., Baltimore, Md. Metal covered brick. 1,949,079; Feb. 27.
- Loeffler, Rudolph W., Baltimore, Md. Making enameled radiators. 1,954,638; Apr. 10.
- Loehr, Charles E. (See MacNab, O., Broido, Loehr, Barry, and Chamberlin.)
- Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Valve. 1,951,485; Mar. 20.
- Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Making pipe bends. 1,951,802; Mar. 20.
- Loesch, Kurt, East Rockaway, assignor to Lenthier Incorporated, New York, N. Y. Atomizing cap. Des. 94,036; Dec. 11.
- Loescher, Hans, Harburg, Germany, assignor to The Turner Tanning Machinery Company, Portland, Maine. Machine for operating upon hides, skins, and leather. 1,959,589; May 22.
- Loesser, John C., assignor to Electrostatic Omega Corporation, New York, N. Y. Static eliminator. 1,959,982; May 22.
- Loesser, Edwin C. (See Hickstein, W. L., and Loesser.)
- Loetscher, Daniel G. (See Brunstrum, L. C., and Loetscher.)
- Loetscher, Emil C., Dubuque, Iowa. Making a substitute for wood. 1,959,375; May 22.
- Loetscher, Emil C., Dubuque, Iowa. Water-soluble resins of the phenol formaldehyde group. 1,959,433; May 22.
- Loetscher, Emil C., Dubuque, Iowa. Uniting synthetic resin and metal. 1,972,307; Sept. 4.
- Loew, Ira, Lynn, Mass. Window. 1,985,877; Dec. 25.
- Loewe, Bernhard, Berlin, Germany. Material for high emission cathodes. 1,954,596; Apr. 10.
- Loewe, Bernhard, Berlin, Germany. Arrangement for scattering auxiliary substances in vacuum valves. 1,957,145; May 1.
- Loewe, Hermann. (See Muench, H., Loewe, and Birch-Hirschfeld.)
- Loewe, Siegmund, Berlin, Germany. Electron discharge device. 1,973,006; Sept. 11.
- Loewe, Siegmund, Berlin-Friedenau, Germany, assignor to Radio Corporation of America. Amplifier unit. 1,965,197; July 3.
- Loewe, Siegmund, and B. Wienecke, Berlin, Germany. Indirectly heated cathode. 1,983,621; Dec. 11.
- Loewenstein, Lawrence, Columbus, Ohio. Wind operated sign. 1,945,649; Feb. 6.
- Loewy, Raymond, New York, N. Y. Pencil sharpener. Des. 91,675; Mar. 6.
- Loewy, Raymond, New York, N. Y. Pencil sharpener. Des. 91,676; Mar. 6.
- Loewy, Raymond, New York, N. Y. Faucet. Des. 92,480; June 12.
- Loewy, Raymond, assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Vanity case. Des. 92,414; June 5.
- Loewy, Raymond, assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Vanity case. Des. 93,415; Sept. 25.
- Löffler, Heinrich, Duisburg, Germany. Sock suspender. 1,941,699; Jan. 2.
- Löffler, Laurence, et al. (See Lessnig, Johann, assignor.)
- Lofgren, Einar G. C., Minneapolis, Minn., assignor to A. W. Haydon, Hinsdale, Ill. Slow-running electric motor. 1,966,897; July 17.
- Lofgren, Erik O., Stockholm, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Energizing radio apparatus. 1,959,482; May 22.
- Lofgren, Ferdinand, San Diego, Calif. Milk can opening and pouring attachment. 1,954,251; Apr. 10.
- Lofgren, John, assignor to Ralco Manufacturing Co., Chicago, Ill. Fuse device. 1,968,213; July 31.
- Lofgren, Peter, assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Making a seating ring. 1,960,385; May 29.
- Lofgren, Peter, assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Female pipe coupling member. 1,968,562; July 31.
- Lofgren, Peter, assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Making a female pipe coupling. 1,968,563; July 31.
- Lofman, Charles, Riverside, assignor to S. Karpen & Bros., Chicago, Ill. Batt forming apparatus. 1,955,508; Apr. 17.
- Lofman, Charles, Riverside, assignor to S. Karpen & Bros., Chicago, Ill. Mattress and its manufacture. 1,959,082; May 15.
- Lofman, Charles, Riverside, assignor to S. Karpen & Bros., Chicago, Ill. Batt forming apparatus. 1,964,668; June 26.
- Lofquist, Bror M., and S. J. Olson, Fitchburg, Mass. Bicycle pedal mechanism. 1,977,235; Oct. 16.
- Lofquist, Bror M., and S. J. Olson, Fitchburg, Mass. Bicycle pedal mechanism. 1,977,236; Oct. 16.
- Lofstrand, Albin P., Chicago, Ill. Automatic grain shocker. 1,968,781; July 31.
- Lofstrand, Albin P., Chicago, Ill. Automatic grain shocker. 1,968,782; July 31.
- Lofstin, Grady A., Altavista, Va., assignor to The Lane Company, Inc. Lid support for cedar chests. 1,960,642; May 29.

- Loftin, Grady A., Altavista, Va., assignor to The Lane Company, Inc. Sealing panel for cedar chests or the like receptacles. 1,978,138; Oct. 23.
- Loftis, Homer J., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tone quality control. 1,947,557; Feb. 20.
- Loftis, Homer J., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio apparatus. 1,965,660; July 10.
- Loftis, Homer J., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio apparatus. 1,965,661; July 10.
- Loftis, Homer J., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical apparatus. 1,976,571; Oct. 9.
- Loftis, Homer J., Ironton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Signal selecting circuit. 1,978,466; Oct. 30.
- Logan, Charlotte E., and J. G. Persekutti, New York, N. Y. Decorative surface and making the same. 1,976,237; Oct. 9.
- Logan Co. Inc. (See Stonefield, E., and Haley, assignors.)
- Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,963,093; June 19.
- Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,977,193; Oct. 16.
- Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,981,921; Nov. 27.
- Logan, Frank J., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,982,007; Nov. 27.
- Logan, Henry H., Chicago, Ill. Shock absorber control. 1,957,658; May 8.
- Logan, James A. (See Humason, G. A., and Logan.)
- Logan, John W., jr., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 1,958,149; May 8.
- Logan, John W., jr., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed responsive apparatus. 1,958,631; May 15.
- Logan, Lloyd. (See Huff, W. J., Logan, and Lusby.)
- Logan, Owen J., Flushing, N. Y. Surgical needle and suture. 1,981,651; Nov. 20.
- Logan Porter Mirror Company. (See Harmon, Melvin H., assignor.)
- Logan, William A., Kinghorn, Fife, Scotland. Mining machine. 1,979,694; Nov. 6.
- Logette, Abraham I., and E. H. Dainton, London, England. Lifting device for motor and other vehicles. 1,975,551; Oct. 2.
- Logue, Charles H., Syracuse, N. Y. Variable speed power transmitting mechanism. 1,981,236; Nov. 20.
- Logue, Leland H., assignor to Denver Equipment Company, Denver, Colo. Thickener. 1,962,646; June 12.
- Logue, Leland H., and A. C. Daman, assignors to Denver Equipment Company, Denver, Colo. Thickener. 1,960,707; May 29.
- Lohmann, Adalbert, Berlin-Wilmersdorf, assignor to the firm Universum Film Aktiengesellschaft, Berlin, Germany. Driving gear. 1,950,149; Mar. 6.
- Lohr, Forrest. (See Weible, J., and Lohr.)
- Lohr, William S. (See Reiner, M., Bingham, and Lohr.)
- Lohrmann, Gerhard, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Neutralizing distributing electric waves. 1,981,056; Nov. 20.
- Lohusta Elektro-Akustik G. m. b. H. (See Hoffmann, R. A., and Rottgart, assignors.)
- Loichot, Raymond W. (See Bahl, John I., assignor.)
- Loiseau, René. (See Collet, P., and Loiseau.)
- Löfkes, Erich. (See Morsbach, K., Steiner, and Löfkes.)
- Loman, Cornelis. (See Vermeulen, R., Van Urk, and Loman.)
- Lomas, Arthur J. (See Hellmann, C. B., Fisher, and Lomas.)
- Lomax, Clarence E., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 1,960,786; May 29.
- Lombard, Edmond, Dizy, France. Suspension of vehicles. 1,976,951; Oct. 16.
- Lombard, Pierre P., and H. J. Duval, Paris, France. Production of gases for feeding explosion motors. 1,951,803; Mar. 20.
- Lombardi Knitting Machine Co. (See Lombardi, Vincent, assignor.)
- Lombardi Knitting Machine Co. Inc. (See Lombardi, Vincent, assignor.)
- Lombardi, Vincent, Brooklyn, assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y. Knitting machine. 1,947,558; Feb. 20.
- Lombardi, Vincent, Brooklyn, assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y. Knitted fabric. 1,981,057; Nov. 20.
- London, Louis B., New York, N. Y. Reflector. Des. 92,968; Aug. 7.
- London Machinery Company. (See Neher, Anthony, assignor.)
- London Weatherproofs, Inc. (See Hoch, Henry W., assignor.)
- Loneragan Manufacturing Company, The. (See Finley, Harold L., assignor.)
- Loneragan, Simon J., assignor to Bastian-Morley Company, La Porte, Ind. Water heater flue. 1,947,606; Feb. 20.
- Loneragan, Simon J., assignor to Bastian-Morley Company, La Porte, Ind. Burner and safety control therefor. 1,962,200; June 12.
- Loneragan, Thomas, assignor to Safe-Quik Products Corporation, Kansas City, Mo. Garment cleaner and drier. 1,959,058; May 15.
- Loney, Jacob N., assignor of forty-eight per cent to R. E. and S. B. Adamson, near Dayton, Ohio. Refrigerator shelf. 1,975,327; Oct. 2.
- Loney, John W., Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Maine. Tree for boots or shoes. 1,967,248; July 24.
- Long, Albert E., assignor to Stromberg Electric Company, Chicago, Ill. Card positioning means. 1,967,675; July 24.
- Long, Allen T., Petersburg, Va. Hasp. 1,951,551; Mar. 20.
- Long, Archie O., Kansas City, Mo. Sleeve pressing machine. 1,957,841; May 8.
- Long, Archie O., Kansas City, Mo. Ironing device. 1,964,587; June 26.
- Long, B. Joel. (See Long, Benjamin J., assignor.)
- Long, Benjamin J., Lakewood, Ohio, assignor to B. J. Long, Niagara Falls, N. Y. Packaging and forming weatherstrip material. 1,984,346; Dec. 11.
- Long, Bernard, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Glass products and manufacturing sponge-like glass. 1,945,052; Jan. 30.
- Long, Bernard, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Manufacture of tempered glass. 1,960,222; May 22.
- Long, Bernard, Paris, France, assignor, by mesne assignments, to The American Securit Company. Process of and apparatus for tempering glass sheets. 1,971,268; Aug. 21.
- Long, Charles E., assignor of one-half to Puffer Hubbard Mfg. Co., Minneapolis, Minn. Antifogging device for glass-walled refrigeration chambers. 1,956,102; Apr. 24.
- Long, Charles H., St. Paul, Minn. Fuel vaporizer and carburetor. 1,970,010; Aug. 14.
- Long, Charles P., sr. (See Orser, Samuel D., assignor.)
- Long, Douglas P. (See Patterson, W. G., and Long.)
- Long, Eli M., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Segment locator for bifocal lenses. 1,977,446; Oct. 16.
- Long, Elmer C., Detroit, Mich. Piston for an internal combustion motor. 1,960,313; May 29.
- Long, George A., assignor to The Gray Telephone Pay Station Co., Hartford, Conn. Coin channel plate for telephone toll apparatus. 1,966,413; July 10.
- Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin channel plate. 1,967,993; July 24.
- Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone toll collecting apparatus. 1,977,884; Oct. 23.
- Long, George A. and W. W., assignors to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone pay station. 1,984,976; Dec. 18.
- Long, George E., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating electrodes. 1,981,652; Nov. 20.
- Long, Henry J., Syracuse, N. Y., assignor to General Motors Corporation, Detroit, Mich. Making tappets. 1,973,855; Sept. 18.
- Long, James, Dunedin, New Zealand. Safety razor. 1,956,510; Apr. 24.
- Long, James W. (See Benjamin, G. R., and Long.)
- Long, James W., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Signal repeater. 1,943,683; Jan. 16.
- Long, James W., and T. G. Collings, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Tape easel for page printers. 1,941,904; Jan. 2.
- Long, James W., Plainfield, N. J., and R. Steeneck, assignors to The Western Union Telegraph Company, New York, N. Y. News and advertising projection system. 1,969,467; Aug. 7.
- Long, John R., assignor to E. A. Farron, Los Angeles, Calif. Wrench. 1,968,783; July 31.
- Long, Joseph H., Cleveland, Ohio. Heater. 1,946,407; Feb. 6.
- Long, Joseph H., Cleveland, Ohio. Heater. 1,961,423; June 5.
- Long, Joseph H., Cleveland, Ohio. Heater. 1,973,642; Sept. 11.
- Long, Kenneth E., assignor to The Harshaw Chemical Company, Cleveland, Ohio. Glaze or enamel. 1,954,390; Apr. 10.
- Long, Lawrence J. (See Woolley, J. F., jr., and Long.)
- Long Manufacturing Company. (See Dryden, John R., assignor.)
- Long Manufacturing Company. (See Herz, Ferdinand B., assignor.)
- Long, Maurice B., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,945,557; Feb. 6.

- Long, Maurice B., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical transmission system. 1,977,633; Oct. 23.
- Long, Millard E., assignor to C. D. Newton, deceased, San Antonio, Tex.; C. G. Newton, administratrix. Machine for washing and fixing photographic prints. 1,974,890; Sept. 25.
- Long, Newton W. (See Smith, Raymond H., assignor.)
- Long, Oniel E., and R. C. Swiger, Los Angeles, Calif. Fishing reel. 1,980,345; Nov. 13.
- Long, Paul H. (See Bradley, H. W., and Long.)
- Long, Robert B. (See Ohmer, J. F., and Long.)
- Long, Robert B., assignor to Ohmer Fare Register Company, Dayton, Ohio. Register. 1,960,948; May 29.
- Long, Spencer W. (See Young, F. J., and Long.)
- Long, Spencer W., Redondo Beach, and F. J. Young, Los Angeles, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Control head. 1,976,238; Oct. 9.
- Long, Thomas H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Impulse actuated lock-in switch. 1,971,823; Aug. 28.
- Long, William S., East Radford, Va. Automatic cut-out for electrical supply sources in motor vehicles. 1,964,854; July 3.
- Long, William W. (See Long, George A. and W. W., assignors.)
- Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Vibration dampener for fluid pressure gauges. 1,957,894; May 8.
- Longenecker, Levi S., Pittsburgh, Pa. Furnace structure. 1,977,799; Oct. 23.
- Longevin, Wilfred. (See Holt, G. J., and Longevin.)
- Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Skeletal tractor for surgical treatment of fractures. 1,949,969; Mar. 6.
- Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical splint. 1,964,694; June 26.
- Longo, George. (See Polikoff, J., and Longo.)
- Longo, Luigi, Rome, Italy. Washing-fluid. 1,960,500; May 29.
- Longoria, Antonio, Lakewood, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Welding apparatus. 1,972,529; Sept. 4.
- Longoria, Antonio, Lakewood, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Welding. 1,972,530; Sept. 4.
- Longrie, Earl J., Milwaukee, Wis. Smoker's pipe. 1,951,665; Mar. 20.
- Longstreth, Charles B., Denver, Colo. Refrigerator case for green vegetables. 1,967,058; July 17.
- Longvall, Raymond C., assignor to Warp Compressing Machine Company, Worcester, Mass. Spindle mounting. 1,976,952; Oct. 16.
- Longview Fibre Company. (See Wollenberg, Harry L., assignor.)
- Lonier, Marie F., La Grange, Ill. Clothespin novelty. Des. 92,664; July 3.
- Lonskey, John H., assignor to Central Specialty Company, Ypsilanti, Mich. Manifold air heater for automobiles. 1,968,214; July 31.
- Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft, The firm of. (See Luscher, Emil, assignor.)
- Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft. (See Lüscher, E., and Stirnemann, assignors.)
- Looff, Carl, Stapleton, Staten Island, N. Y. Container. 1,952,325; Mar. 27.
- Loomis, Everts G., Newark, N. J. Crushing viscous and other substances. 1,960,708; May 29.
- Loomis, Everts G., Newark, assignor to The Dorin Corporation, Union City, N. J. Apparatus for preparing packing. 1,965,844; July 10.
- Loomis, Fred J., Haddonfield, N. J., assignor to Radio Corporation of America. Motion picture apparatus. 1,971,454; Aug. 28.
- Loomis, Harold S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Resilient tire construction for track circuit shunting. 1,945,283; Jan. 30.
- Loomis, John H., Long Beach, and J. McKinney, Davidson City, assignors to Vapor Treating Processes, Inc., Los Angeles, Calif. Treating metallic salt solutions. 1,966,729; July 17.
- Loomis, Lovell, Oakland, Md. Apparatus for segregating eggs. 1,946,980; Feb. 13.
- Loonam, Alfred C. (See Gleason, G. H., and Loonam.)
- Loonam, Spencer C. (See Gleason, G. H., and Loonam.)
- Loos, Karl, Astoria, Long Island, N. Y. Producing marble-like or cloudy and opaque effects in resinous condensation products. 1,960,116; May 22.
- Loos, Reinhold, Newark, N. J. Rope clamp. 1,958,969; May 15.
- Loos, Walter, New York, N. Y., assignor to H. Wickenhauser, South Norwalk, Conn. Machine for making rugs, carpets, and the like. 1,970,703; Aug. 21.
- Loosbrock, Edward, Lincoln, Nebr. Battery connector. 1,942,435; Jan. 9.
- Loose, Kenneth D., Bronxville, N. Y., and C. W. Watkins and J. W. Green, Dayton, Ohio, assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y. Continuous sheeting and laminating process. 1,975,326; Oct. 2.
- Loose-Wiles Biscuit Company. (See Loose, K. D., Watkins, and Green, assignors.)
- Loper, Carlton F., assignor to Foster-Lothman Mills, Oshkosh, Wis. Fastener for door sashes. 1,954,640; Apr. 10.
- Lopez, Francesco, assignor to Società Anonima Industria Ammoniac, Padova, Italy. Apparatus for ammonia manufacture. 1,960,386; May 29.
- Lopez, Leonard A., Wilmington, Calif. Raking and picking up tool. 1,979,752; Nov. 6.
- López, Nicolás A., Chicago, Ill. Measuring dispensing cap. 1,972,152; Sept. 4.
- Loppacker, Albert, Bloomfield, N. J. Electric furnace. 1,980,729; Nov. 13.
- Lo Presti, C. & A., Inc. (See Kean, Nathan K., assignor.)
- Lo Presti, Michele, Milan Italy. Luminous cinematography. 1,967,150; July 17.
- Loprich, John. (See Gillean, Charles, assignor.)
- Loprich, John, and C. Gillean, Los Angeles, Calif.; said Gillean assignor to said Loprich. Radiator fin. 1,950,500; Mar. 13.
- Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Fatty acid esters of carbohydrates and producing. 1,959,590; May 22.
- Lorang, Hermanus F. J. (See van Peski, A. J., and Lorang.)
- Loranger, Hubert R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,981,562; Nov. 20.
- Lorant, Rudolf, Berlin-Dahlem, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,969,377; Aug. 7.
- Lorant, Rudolf, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Device for tabulating machines. 1,978,952; Oct. 30.
- Lord, Charles R., et al. (See Christie, Walter, assignor.)
- Lord, George R., Pelham Manor, assignor to Sinclair Refining Company, New York, N. Y. Dewaxing hydrocarbon oils. 1,963,498; June 19.
- Lord, George R., Pelham Manor, assignor to Sinclair Refining Company, New York, N. Y. Coking hydrocarbon oils. 1,966,801; July 17.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Short interval timer. 1,946,290; Feb. 6.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating circuit. 1,970,515; Aug. 14.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Light responsive circuit controller. 1,971,191; Aug. 21.
- Lord, Hugh C. (See Lord, Thomas, assignor.)
- Lord, Thomas, assignor to H. C. Lord, Erie, Pa. Mounting. 1,947,132; Feb. 13.
- Lord, William E. (See Whyte, S., and Lord.)
- Lorelli, Edward H., New York, N. Y. Speed transmission for automobiles and the like. 1,971,824; Aug. 28.
- Lorentz, Alfred, Mainz-Gustavsburg, assignor to Maschinenfabrik Augsburg-Nürnberg, A.-G., Nuremberg, Germany. Passenger lift for disk gasholders. 1,948,527; Feb. 27.
- Lorentzen, Hans K., New York, N. Y., assignor to Ditto Incorporated. Duplicate. Re19,082; Feb. 13.
- Lorenz, Anton, Berlin, Germany. Seat or chair with one support. 1,976,449; Oct. 9.
- Lorenz, Anton, Berlin, Germany. Sitting and resting furniture. 1,978,024; Oct. 23.
- Lorenz, C., A. G. (See Eulenhöfer, Adolf, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Fischer, Wilhelm, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Gerth, Felix, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Hallen, Karl, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Herzog, Robert, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Kallmann, Heinz, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Schmidt, K., and Schüler.)
- Lorenz, C., Aktiengesellschaft. (See Schumacher, Hans, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Vraný, C., and Zodtner, assignors.)
- Lorenz, Charles F. (See Sheldon, H. H., and Lorenz.)
- Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming glassware. 1,974,824; Sept. 25.
- Lorenz, Edward H., and G. E. Rowe, West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Glassware forming machine. 1,976,239; Oct. 9.
- Lorenz, Emil, Berlin, Germany. Marker. 1,958,831; May 15.
- Lorenz, Gus O., assignor to The Kennedy Car Liner & Bag Co., Shelbyville, Ind. Foldable liner for freight cars. 1,950,316; Mar. 6.
- Lorenz, Gustav C. (See Lindemann, W. C., and Lorenz.)
- Lorenz, Hubert. (See Möller, W., and Lorenz.)
- Lorenz, James D., Dayton, Ohio. Cabinet for cash registers. Des. 91,396; Jan. 23.

- Lorenz, James D., Dayton, Ohio. Cabinet for cash registers. Des. 91,397; Jan. 23.
- Lorenz, James D., Dayton, Ohio. Cabinet for cash registers. Des. 91,465; Feb. 6.
- Lorenz, James D., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Scale. Des. 91,782; Mar. 20.
- Lorenz, Otto T., assignor to The W. H. Marvin Company, Urbana, Ohio. Compound for puddings and compounding the ingredients. 1,954,639; Apr. 10.
- Lorenz, William, New York, and L. W. Pollack, Brooklyn, N. Y. Eye mechanism for dolls. 1,945,150; Jan. 30.
- Lorenzen, Christ A., Altoona, Pa. Bacon skinning machine. 1,960,643; May 29.
- Lorenzen, Christian, Berlin-Treptow, Germany. Carburetor. 1,972,686; Sept. 4.
- Lorenzen, Christian, Berlin-Treptow, Germany, assignor, by mesne assignments, to Bendix Aviation Corporation, Chicago, Ill. Making tubular turbine blades. 1,947,347; Feb. 13.
- Lorig, Clarence H., H. W. Gillett, and H. B. Kinnear, Columbus, Ohio, assignors, by mesne assignments, to Copper & Brass Research Association, New York, N. Y. Steel and treating the same. 1,972,241; Sept. 4.
- Lorig, Edwin T., Gary, Ind., assignor to American Sheet and Tin Plate Company. Cold reducing metals. 1,973,684; Sept. 11.
- Lorig, Frank W., Lakewood, Ohio. Apparatus for handling rods. 1,984,750; Dec. 18.
- Lorillard, P., Company. (See Dillon, Albert F., assignor.)
- Loring, Thomas W., Lansing, assignor to General Motors Corporation, Detroit, Mich. Fender well wheel lock. 1,983,765; Dec. 11.
- Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Machine for casting straps and posts on sets of battery plates. 1,948,120; Feb. 20.
- Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Machine for removing paste from grids. 1,968,533; July 31.
- Lorraine Manufacturing Company. (See Viens, Henry J., assignor.)
- Lorraine, Richard G., Scotia, N. Y., assignor to General Electric Company. Method of and instrument for measuring surge currents. 1,942,065; Jan. 2.
- Lorscheider-Schang Co., The. (See Stephens, Charles A. L., assignor.)
- Lorthois, Robert, Tourcoing, France. Warp pile fabric. 1,982,171; Nov. 27.
- Lory, Milton M., Sioux City, Iowa. Tire tool. 1,946,912; Feb. 13.
- Los Angeles Testing Laboratory. (See Howe, Charles S., assignor.)
- Loschky, Ludwig C. (See Sebring, F. H., jr., Loschky, and Pugh.)
- Lose, Charles, jr. (See Goldsborough, J. B., and Lose, jr.)
- Lose, James E., and R. H. Watson, Munhall, Pa. Open-hearth slag utilization. 1,979,753; Nov. 6.
- Losee, Joseph S., Hebron, Ill. Fan heater. 1,967,757; July 24.
- Losenhausenwerk. (See Rathke, Kurt, assignor.)
- Loth, William A., assignor to Société Industrielle des Procédés, W. A. Loth, Paris, France. System of navigation and plant for carrying it out. 1,968,085; July 31.
- Loth, William A., assignor to Société Industrielle des Procédés, W. A. Loth, Paris, France. Annuling the effect of stray fields on radio receiving systems. Re19,395; Dec. 11.
- Lothrop, Charles R., Milton, and O. Cammann, Weston, Mass. Dispensing apparatus. 1,982,917; Dec. 4.
- Lothrop, Marcus T., and A. L. Bergstrom, assignors to The Timken Roller Bearing Company, Canton, Ohio. Making bearing raceways. 1,955,195; Apr. 17.
- Lotman, Charles, Riverside, assignor to S. Karpen & Bros., Chicago, Ill. Coil spring inserting machine. 1,950,186; Mar. 6.
- Lott, Howard R., Philadelphia, Pa. Making flatware. 1,962,279; June 12.
- Lotte, Charles H., assignor to The Byers Machine Company, Ravenna, Ohio. Clutch operating mechanism for tractors. 1,952,267; Mar. 27.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Loose-leaf binder appliance. 1,942,716; Jan. 9.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose leaf binder. 1,968,607; July 31.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose leaf binder. 1,973,174; Sept. 11.
- Lotter, Adolph G., assignor to Stationers Loose-Leaf Company, Milwaukee, Wis. Loose leaf binder. 1,979,950; Nov. 6.
- Lotz, Fritz, New York, N. Y. Cooker. 1,946,220; Feb. 6.
- Louckes, Frank I., Memphis, Tenn. Wire tie. 1,975,110; Oct. 2.
- Loucks, James F., Rocky River, Ohio. Nailing to metallic sections. 1,964,403; June 26.
- Loucks, James F., Cleveland, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Building construction. 1,949,543; Mar. 6.
- Louderback, Harry A., assignor of one-half to W. A. Gearing, Columbus, Ohio. Holder for safety razor blades. 1,948,623; Feb. 27.
- Loudon, Warren P., assignor to Delco Aviation Corporation, Dayton, Ohio. Electrical apparatus. 1,946,631; Feb. 13.
- Loudon, Warren P., assignor to Delco Aviation Corporation, Dayton, Ohio. Electrical apparatus. 1,957,016; May 1.
- Loudon, Warren P., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric clock. 1,983,092; Dec. 4.
- Loudy, Flavius E., Akron, Ohio. Fuselage joint. 1,946,408; Feb. 6.
- Louette, Joseph E. O., Poissy, France. Starting device and starting circuit. 1,943,182; Jan. 9.
- Loughhead, Allan H., Los Angeles, Calif., assignor to Alhambra Airport and Air Transport Company, Denver, Colo. Multimotored airplane. 1,981,237; Nov. 20.
- Loughhead, Malcolm, Mokelumne Hill, Calif., assignor to Hydraulic Brake Company, Los Angeles, Calif. Adjustable stop for brake shoes. Re19,225; June 26.
- Loughhead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Brake mechanism. 1,956,039; Apr. 24.
- Loughhead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Flexible hose for fluid pressure systems. 1,978,211; Oct. 23.
- Loughheed, Overend J. W., Portland, Ore. Reclaiming and reconditioning saws. 1,969,618; Aug. 7.
- Loughheed, Victor, Washington, D. C. Screw propeller. 1,973,573; Sept. 11.
- Loughlin, James F., assignor to A. O. Smith Corporation, Milwaukee, Wis. Inoculating device. 1,948,271; Feb. 20.
- Loughlin, Kenneth C., Charlotte, N. C., assignor to Celanese Corporation of America. Stripping. 1,958,483; May 15.
- Loughlin, William D., Mountain Lakes, and C. J. Franks, Boonton, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Multirange coupling circuit. 1,978,212; Oct. 23.
- Loughridge, Matthew H., Bogota, N. J. Phonograph record and playing same. 1,969,895; Aug. 14.
- Louis, John B., Lawrence, N. Y. Combination oven and roasting pan. 1,977,486; Oct. 16.
- Louis, Terrence G., assignor to Wico Electric Company, West Springfield, Mass. Magneto. 1,970,327; Aug. 14.
- Louisville Cement Company. (See Wechter, Eugene J., assignor.)
- Louisville Electric Manufacturing Company. (See McFerran, John B., jr., assignor.)
- Lounsberry, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Draft rigging. 1,945,696; Feb. 6.
- Lounsberry, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,950,618; Mar. 13.
- Lounsberry, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffing gear. 1,963,206; June 19.
- Lounsberry, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffer gear. 1,970,664; Aug. 21.
- Lounsberry, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,971,420; Aug. 28.
- Lousa, Antonin, Skalica at Ceska Lipa, Czechoslovakia. Wall and partition. 1,960,160; May 22.
- Loutz, Camille, assignor to Société Alsacienne de Constructions Mécaniques, Mulhouse, France. Boiler feed water heating plant. 1,946,221 Feb. 6.
- Louvier, Alexander, and A. Henry, assignors of one-third to S. Louvier, Port Arthur, Tex. Sterilizer. 1,953,243; Apr. 3.
- Louvier, Marius L., Port Arthur, Tex., assignor of twenty-five per cent to A. Prince and six per cent to J. Landry. Weighing derrick. 1,967,622; July 24.
- Louvier, Sully. (See Louvier, A., and Henry, assignors.)
- Love, Clarence E. (See Randall, S. J., and Love.)
- Love, Iden C., Odon, Ind. Tug strap protector. 1,958,669; May 15.
- Love, Solomon A., Decatur, Ga. Razor blade sharpener. 1,949,804; Mar. 6.
- Lovejoy, Arthur G., jr., Malden, Mass. Andiron. Des. 92,665; July 3.
- Lovejoy, Arthur G., jr., Malden, Mass. Andiron. Des. 92,666; July 3.
- Lovejoy, Charles K., Roslindale, assignor to The Moore Pen Co., Boston, Mass. Pencil clip or similar article. Des. 92,817; July 17.
- Lovejoy, Fred C., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and making the same. 1,968,047; July 31.
- Lovejoy, Ralph M., Boston, Mass. Indexing mechanism for automatic drilling machines and the like. 1,947,348; Feb. 13.
- Lovejoy, Ralph M., Boston, Mass. Automatic drilling machine and machine for other purposes. 1,962,566; June 12.
- Lovejoy, Ralph M., Boston, Mass. Work-holding mechanism for machining operations. 1,962,567; June 12.
- Lovekin, George E., Chicago, Ill. Tool. 1,978,210; Oct. 23.
- Lovekin, Luther D., Wynnewood, assignor to Kitson Company, Philadelphia, Pa. Temperature and pressure relief valve. 1,960,271; May 29.

- Lovekin, Luther D., Wynnewood, assignor to Kitson Company, Philadelphia, Pa. Relief valve. 1,960,272; May 29.
- Lovekin, Luther D., Villa Nova, assignor to Kitson Company, Philadelphia, Pa. Cold water inlet control valve. 1,982,582; Nov. 27.
- Lovekin, Luther D., Villa Nova, assignor to Kitson Company, Philadelphia, Pa. Relief valve. 1,983,514; Dec. 4.
- Lovekin, Luther D., Villanova, and J. L. Le Gorre, assignors to Kitson Company, Philadelphia, Pa. Temperature and pressure relief valve device. 1,944,518; Jan. 23.
- Loveless, Fred H., assignor to Transit Advertising, Incorporated, Chicago, Ill. Sign. 1,955,196; Apr. 17.
- Lovell, F. H., & Company. (See Wylie, Joseph C., assignor.)
- Lovell, John G., Spokane, Wash. Electro magnetic control system. 1,970,807; Aug. 21.
- Lovell, John & Son, Limited. (See Robillard, Louis A., assignor.)
- Lovell Manufacturing Company. (See Kauffman, Walter L., assignor.)
- Lovell Manufacturing Company. (See Kauffman, Walter L., 2d, assignor.)
- Lovell Manufacturing Company. (See Schuda, Ernest J., assignor.)
- Lovell, Stanley P., Newton, assignor to Beckwith Manufacturing Company, Boston, Mass. Manufacture of thermoplastic shoe stiffener material and shoe stiffener blanks. 1,962,603; June 12.
- Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Shoe stiffener. 1,980,810; Nov. 13.
- Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Container and closure therefor. 1,983,139; Dec. 4.
- Lovell, Stanley P., Newton, assignor to Arden Box Toe Company, Watertown, Mass. Shoe stiffener and making the same. 1,983,622; Dec. 11.
- Lovely, John E. (See Drissner, A. E., Hoagland, Lange, Lundberg, and Lovely.)
- Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Lathe or the like. 1,951,514; Mar. 20.
- Loveridge, Roy C., Bridgeport, Conn. Striking bag. 1,978,499; Oct. 30.
- Lovett, John T., Jr., Little Silver, N. J. Resilient seal plant ball package. 1,964,887; July 3.
- Lovie, Bernard, Los Angeles, Calif. Eyelid device. 1,974,825; Sept. 25.
- Lovis, William. (See Tully, E. E., and Lovis.)
- Low, Charles L., Bloomington, Ill., assignor to Minnesota Valley Canning Company, Le Sueur, Minn. Advertising merchandise. 1,958,517; May 15.
- Low, David, Asheville, N. C. Variable speed mechanism. 1,954,822; Apr. 17.
- Low, Harry N. (See Low, Marshall, assignor.)
- Low, John J., assignor to Six Wheel Corporation, Los Angeles, Calif. Six wheel attachment. 1,972,348; Sept. 4.
- Low, Marshall, assignor to H. N. Low, Washington, D. C. Method of and apparatus for shaping plastic materials. 1,965,603; July 10.
- Low, Marshall, Washington, D. C., assignor to Hartford-Empire Company, Hartford, Conn. Conveyor driving mechanism. 1,974,826; Sept. 25.
- Lowe, Charles B., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,942,176; Jan. 2.
- Lowe, Ernest A. (See Hamilton, J. R., and Lowe.)
- Lowe, Ernest A., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Dual action deluge valve. 1,941,700; Jan. 2.
- Lowe, Ernest A., Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Automatic fire extinguishing apparatus. 1,945,284; Jan. 30.
- Lowe, Ernest A., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Combined rate of rise and fixed temperature electric thermostats. 1,959,591; May 22.
- Lowe, Ernest A., Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Retard device for delaying the action of rate of rise pneumatic systems. 1,973,535; Sept. 11.
- Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, Ohio, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Automatic fire extinguishing system. 1,942,822; Jan. 9.
- Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Thermally operated device operating by expansion of air or other gas when heated. 1,942,823; Jan. 9.
- Lowe, Henry A., Cleveland Heights, Ohio. Test indicator. 1,964,168; June 26.
- Lowe, Herbert J., Galesburg, Ill. Space packing felt. 1,967,444; July 24.
- Lowe, James P., Edinburgh, Scotland. Telephone system. 1,983,477; Dec. 4.
- Lowe, Joe, Corporation. (See Hawerlander, Adolf, assignor.)
- Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
- Lowe, Joseph N., New York, N. Y. Closet or wardrobe. 1,984,193; Dec. 11.
- Lowe, Martin Y., and G. K. Gustavson, New York, N. Y. Hinge. 1,955,644; Apr. 17.
- Lowe, Norman C., and A. K. MacLean, Seattle, Wash. Nursing bottle. 1,976,450; Oct. 9.
- Lowe, William J., assignor to S. B. Welker, doing business as Welker Die & Machine Works, Chicago, Ill. Clamping mechanism. 1,946,027; Feb. 6.
- Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake. 1,941,563; Jan. 2.
- Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic braking apparatus. 1,981,653; Nov. 20.
- Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Universal joint. 1,982,441; Nov. 27.
- Lowell, John W. (See Clark, B. S., and Lowell.)
- Lowell, John W., assignor to Benedict Stone Products Company, Chicago, Ill. Molding a concrete block equipped with a lifting strap. 1,970,860; Aug. 21.
- Lowell, John W., assignor to Benedict Stone Products Company, Chicago, Ill. Building block. 1,975,235; Oct. 2.
- Lowell Manufacturing Company. (See Seyforth, Rome C., assignor.)
- Lowell, Percival D., Capitol Heights, Md. Incense burner. 1,969,756; Aug. 14.
- Lowen, Stanley, New York, N. Y. Display device. 1,945,945; Feb. 6.
- Lowen, Stanley, New York, N. Y. Face powder container. 1,956,991; May 1.
- Lowenberg, Milton A., Hewlett, N. Y. Convertible table. 1,976,031; Oct. 9.
- Lowenstein, Gabriel, New York, assignor to Fred Fear & Company, Brooklyn, N. Y. Dyeing articles. 1,982,820; Dec. 4.
- Lower, Fredrick A., Wichita Falls, Tex. Truck loading apparatus. 1,977,447; Oct. 16.
- Lower, Melvin S., Barborton, Ohio, assignor to The Sun Rubber Company, Bottle stopper. 1,946,981; Feb. 13.
- Lower, Melvin S., Wadsworth, assignor to The Sun Rubber Company, Barborton, Ohio. Doll joint. 1,949,393; Feb. 27.
- Lower, Nathan M., Pittsburgh, Pa. Brake and clutch control mechanism. 1,959,483; May 22.
- Lower, Nathan M., Baltimore, Md., assignor to The Standard Stoker Company, Incorporated. Admitting air to a fire box. 1,945,817; Feb. 6.
- Lower, Nathan M., Bellevue, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,947,723; Feb. 20.
- Lower, Nathan M., Crestwood, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,947,724; Feb. 20.
- Lower, Nathan M., Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,957,409; May 1.
- Lower, William E., Bellevue, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker. 1,953,021; Mar. 27.
- Lowery, Charley, Oklahoma City, Okla. Automatic cut-off for fluid lines. 1,985,663; Dec. 25.
- Lowey, Edward R., Huntington, Ind. Shoe. 1,967,956; July 24.
- Lowkrantz, Gunne, Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Master clock. 1,957,178; May 1.
- Lowkrantz, Gunne, Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,982,216; Nov. 27.
- Lowman Folding Box Corporation. (See Lowman, Melle E., assignor.)
- Lowman, Melle E., assignor to Lowman Folding Box Corporation, Syracuse, N. Y. Carton. 1,965,503; July 3.
- Lowres, George J., deceased; S. C. Lowres, executrix, Newark, N. J. Spring bridge and mountings for eyeglasses. 1,953,117; Apr. 3.
- Lowres, Sarah C., executrix. (See Lowres, George J.)
- Lowrie, Robert W., Hudson, and C. E. Buchtel, Akron, Ohio. Turn-table for radio chassis and the like. 1,969,310; Aug. 7.
- Lowry, Burton B. (See Rosenberg, D. H., and Lowry.)
- Lowry, Charles D., Jr. (See Eloff, G., and Lowry.)
- Lowry, Charles D., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,949,749; Mar. 6.
- Lowry, Erwin F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic cathode. 1,961,122; May 29.
- Lowry, Erwin F., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High efficiency oxide coated cathode and manufacture. 1,968,608; July 31.
- Lowry, Erwin F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coating a filament with oxide. 1,971,076; Aug. 21.
- Lowry, Robert D., and F. L. Reynolds, assignors to The Dow Chemical Company, Midland, Mich. Rolling magnesium alloy. 1,941,608; Jan. 2.
- Lowry, Thomas K., Chicago Ill., assignor to Darling & Company. Process of rendering. 1,966,181; July 10.
- Lowry, Thomas K., Chicago, Ill., assignor to Darling & Company. Drier and manufacture of gelatinous substances. 1,981,806; Nov. 20.

- Lowther, Wilfred W., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 1,949,212; Feb. 27.
- Lowthian, Walter E. (See Dennis, C. W., and Lowthian.)
- Lox Seal Corporation. (See Behrman, Marcus B., assignor.)
- Loy, Walter W., and E. J. Crum, Kalispell, Mont. Building construction. 1,949,426; Mar. 6.
- Lozanne, Frank A., Los Angeles, Calif. Steering wheel alignment indicator. 1,954,938; Apr. 17.
- Lubarsky, Isaak, Detroit, Mich. Scraper. 1,967,123; July 17.
- Lubberger, Fritz, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,951,159; Mar. 13.
- Lubberger, Fritz, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone substitution system. 1,957,659; May 8.
- Lubberhuizen, Jan W., Arnhem, Netherlands, assignor by mesne assignments, to American Enka Corporation, Wilmington, Del. Thread spooling machine. 1,971,077; Aug. 21.
- Lubberhuizen, Jan W., and H. A. Schrenk, Arnhem, Netherlands, assignors, by mesne assignments, to American Enka Corporation, Wilmington, Del. Spooling or reeling artificial silk. 1,958,670; May 15.
- Lubbers, Lubber E., assignor to The New Stoughton Company, Stoughton, Wis. Fifth wheel lock. 1,946,167; Feb. 6.
- Lücke, Ernst, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Cathode ray tube. 1,979,392; Nov. 6.
- Lübecker Maschinenbau-Gesellschaft. (See Dopp, Paul, assignor.)
- Luberoff, Louis, Philadelphia, Pa. Synchronizing device for self-playing instruments. 1,971,011; Aug. 21.
- Lubey, John F., Herkimer, N. Y. Collapsible seat. 1,974,619; Sept. 25.
- Lubke, Alfred. (See Müller, R., and Lubke.)
- Lubkin, Samuel, Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Elevator door control. 1,982,442; Nov. 27.
- Luboshez, Benjamin E., Harrow, England. Photographic objective lens. 1,952,268; Mar. 27.
- Lubrication Control Corporation. (See Clarke, Henry B., assignor.)
- Lubrication Corporation, The. (See Andrews, Lloyd M., assignor.)
- Lubrication Corporation, The. (See Creveling, John L., assignor.)
- Lubrication Corporation, The. (See Dodge, Adiel Y., assignor.)
- Lubrication Corporation, The. (See Dodge, A. Y., and Tear, assignors.)
- Lubrication Corporation, The. (See McConkey, Montgomery W., assignor.)
- Lubrication Corporation, The. (See Morris, William L., assignor.)
- Lubrication Corporation, The. (See Parker, Clark W., assignor.)
- Lubrication Corporation, The. (See Robbins, Azor D., assignor.)
- Lubrication Corporation, The. (See Tear, Harry R., assignor.)
- Lubrication Corporation, The. (See Tear, H. R., and Andrews, assignors.)
- Lubrication Corporation, The. (See Thompson, Carl B., assignor.)
- Lubrication Corporation, The. (See Thompson, C. B., and Clark, assignors.)
- Lubrication Corporation, The. (See Watson, John A., assignor.)
- Lubs, Herbert A. (See Draves, C. Z., Lubs, and Walker.)
- Lubs, Herbert A. (See Linster, J. T., Pray, and Lubs.)
- Lubs, Herbert A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur dye and method for its preparation. 1,968,895; Aug. 7.
- Lubs, Herbert A., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating textile material and product. 1,941,991; Jan. 2.
- Lubs, Herbert A., and G. C. Strouse, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of sulphur dyes. 1,944,250; Jan. 23.
- Lubs, Herbert A., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating textile material and product. 1,953,908; Apr. 8.
- Lubs, Herbert A., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing amino-arythio-glycolic acids. 1,954,706; Apr. 10.
- Lubs, Herbert A., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1-thioglycol 2-amino 5-alkoxy benzene derivatives. 1,954,707; Apr. 10.
- Lubs, Herbert A., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-amino arylene thiazoles and their production. 1,984,885; Dec. 18.
- Lubs, Herbert A., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-amino arylene thiazoles and their production. 1,984,886; Dec. 18.
- Lucarelle, Joseph M., and J. E. Renholdt, assignors to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,955,645; Apr. 17.
- Lucarelle, Joseph M., and J. E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Dictating machine. 1,968,649; July 31.
- Lucarelle, Joseph M., and J. E. Renholdt, assignors to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,983,039; Dec. 4.
- Lucas, George S. C., Rugby, England, assignor to General Electric Company, Coupling device for electrical circuits. 1,976,504; Oct. 9.
- Lucas, Harrison S. (See Hauser, D. A., and Reels, assignors.)
- Lucas, Henry M., Cleveland Heights, and H. N. Stephen, assignors to The Lucas Machine Tool Company, Cleveland, Ohio. Special high speed drive for the spindle of boring machines or other machine tools. 1,947,862; Feb. 20.
- Lucas, James H., Elmhurst, assignor to Nichols Copper Company, New York, N. Y. Producing metal powders. 1,959,376; May 22.
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Method of and apparatus for positively transferring shuttles. 1,954,362; Apr. 10.
- Lucas-Lamborn Loom Corporation. (See Lucas, Jonathan, assignor.)
- Lucas Machine Tool Company, The. (See Lucas, H. M., and Stephen, assignors.)
- Lucas, Owen D., and E. J. Lush, Dartford, England. Heat exchanger. 1,963,857; June 19.
- Lucas, Robert T., Alexandria, Va., assignor to National Electrical Supply Company, Washington, D. C. Vacuum pump. 1,967,957; July 24.
- Lucas, Walter C., assignor to National Chair Company, Inc., Asheboro, N. C. Chair seat. Des. 94,089; Dec. 18.
- Luce, Albert L., Perry, Ga. Motor vehicle body construction. 1,948,223; Feb. 20.
- Luce, Grafton E., Chicago, Ill., and R. G. Cox, assignors to Lancaster Iron Works, Inc., Lancaster, Pa. Off-bearing machine. 1,965,745; July 10.
- Luce, Richard W. (See Oestnaes, V. L., and Luce.)
- Luce, Richard W., Mountinside, assignor to American Gasaccumulator Company, Elizabeth, N. J. Producing sheet metal reflectors. 1,943,978; Jan. 16.
- Luce, Richard W., Mountinside, assignor to American Gasaccumulator Company, Elizabeth, N. J. Reflector and making the same. 1,950,005; Mar. 6.
- Luce, Richard W., Westfield, N. J., assignor to Signal Service Corporation. Reflecting sign. 1,974,575; Sept. 25.
- Luce, Richard W., Westfield, N. J., assignor to Signal Service Corporation. Reflector sign. 1,974,576; Sept. 25.
- Luce, Richard W., Westfield, N. J., assignor to Signal Service Corporation. Mounting for reflector units in signs. 1,979,695; Nov. 6.
- Luce, Robert B., Erie, Pa. Key ring. 1,974,499; Sept. 25.
- Luce, Wilhelm. (See Zitscher, A., Mildner, and Luce.)
- Luce, Wilhelm, Hofheim-on-the-Taunus, and E. Fischer, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkyl-2-hydroxynaphthalene-3-carboxylic acids. 1,951,832; Mar. 20.
- Luce, Willis F., San Francisco, Calif. Fruit shipping carton. 1,942,032; Jan. 2.
- Lucey, Michael, Newburyport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Polishing machine. 1,981,654; Nov. 20.
- Lucey, Patrick J., Detroit, Mich. Manually operated slicing machine. 1,971,825; Aug. 28.
- Lucey, Stannie, Cleburne, Tex. Shield for gear shift levers. 1,952,876; Mar. 27.
- Lucia, Lloyd V., Hartford, Conn., assignor to The Beardsley & Wolcott Mfg. Co. One-way crank device. 1,965,348; July 3.
- Lucia, Louis V. (See Wolcott, F. E., and Lucia.)
- Lucia, Louis V., Rome, N. Y., assignor to Revere Copper and Brass Incorporated. Thermal fuse. 1,974,923; Sept. 25.
- Lucian, Arsène N., Philadelphia, Pa., assignor to Heatless Light Corporation. Thermionic tube. 1,960,851; May 29.
- Lucid, Con. (See Dudley, O. E., and Lucid.)
- Lück, Willy, Stuttgart, Germany, assignor to Patentzeuger Union Aktiengesellschaft, Vaduz, Liechtenstein. Manufacture of match packages. 1,970,047; Aug. 14.
- Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and mercury condenser. 1,941,480; Jan. 2.
- Lucke, Charles E., New York, N. Y., assignor to Fuller Lehigh Company, Fullerton, Pa. Boiler furnace. 1,950,454; Mar. 13.
- Lucke, Charles E., New York, N. Y., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,952,999; Mar. 27.
- Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam turbine system. 1,954,823; Apr. 17.
- Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat transfer apparatus. 1,959,377; May 22.
- Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam generating system. 1,959,794; May 22.

- Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam and water separator. 1,962,825; June 12.
- Lucke, Charles E., New York, N. Y., assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace wall. 1,972,100; Sept. 4.
- Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Producing water gas. 1,977,684; Oct. 23.
- Lucke, Charles E., New York, N. Y., and J. E. Black, Rumson, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Steam temperature regulator. 1,973,721; Sept. 18.
- Lucke, Herman F., Jr., Baltimore, Md. Trackless transportation system. 1,981,655; Nov. 20.
- Luckenbaugh, Marcy L., Berkeley, Calif., and T. D. Radcliffe, Brookville, Pa., assignors to Standard Oil Company of California, San Francisco, Calif. Arc welding electrode and making the same. 1,983,552; Dec. 11.
- Luckett, William S., New York, N. Y. Golf club. 1,969,086; Aug. 7.
- Luckey, George F., Lancaster, Pa. Measuring instrument. 1,960,745; May 29.
- Luckey, George F., Lancaster, Pa., and E. F. Bacon, Flint, Mich. Method and apparatus for the detection of combustion vapors. 1,953,244; Apr. 3.
- Luckie, Edward B., Chester, assignor to Abbotts Dairies, Inc., Philadelphia, Pa. Bottle filler washer. 1,961,563; June 5.
- Lucking, David F., Felixstowe, England, assignor to Temple N. Joyce, Dundalk, Md. Indicating the height of aircraft, particularly for use when the aircraft is landing. 1,949,166; Feb. 27.
- Lüdecke, Georg, Munich, Germany. Making a dry cell bobbin. 1,933,623; Dec. 11.
- Ludeke, Ralph C., Klemme, Iowa. Animal trap. 1,975,048; Sept. 25.
- Ludena, Werner, Berlin, Germany, assignor to Radio Corporation of America. Short wave signaling apparatus. 1,952,326; Mar. 27.
- Ludewigs, Carl, Hamburg, Germany. Pocket stamp. 1,976,288; Oct. 9.
- Ludington, Lawrence L., assignor to Ball Brothers Company, Muncie, Ind. Machine for applying sealing annuli to receptacle covers. 1,984,223; Dec. 11.
- Ludington, William C., assignor to Ball Brothers Company, Muncie, Ind. Apparatus for producing deep cups from sheet metal. 1,942,930; Jan. 9.
- Ludlow Manufacturing Associates, trustees. (See Stone, Malcolm B., assignor.)
- Ludlow Manufacturing Associates, trustees. (See Stone, M. B., and Williamson, assignors.)
- Ludlow Manufacturing Associates, trustees. (See Williamson, William P., assignor.)
- Ludlow, Samuel, Jr., West Hartford, Conn. Air mail receptacle. 1,970,011; Aug. 14.
- Ludlow Typograph Company. (See Merrill, Philip P., assignor.)
- Ludlow Typograph Company. (See Rudolph, Walter J., assignor.)
- Ludlow Valve Manufacturing Company, The. (See Johnson, Bjornulf.)
- Ludlow, W. A. (See Starrick, Claude S., assignor.)
- Ludlum Steel Co. (See Leander, Knut, assignor.)
- Ludowici-Cladon Company. (See Mooney, Thomas F., assignor.)
- Ludvissen, Niels, Paris, France. Photogravure process and metal plate therefor. 1,944,354; Jan. 23.
- Ludwick, Vincent, New York, N. Y. Screen. 1,953,000; Mar. 27.
- Ludwig, Edgar V., Buffalo, assignor to American Radiator Company, New York, N. Y. Burial casket. 1,965,385; July 3.
- Ludwig, Frank W., assignor to L. Grauman Company, Denver, Colo. Soda fountain sirup pump. 1,942,609; Jan. 9.
- Ludwig, Lawrence C., Woodside, assignor to Keg-O-Klock, Inc., New York, N. Y. Wall clock. Des. 92,969; Aug. 7.
- Ludwig, Leon R., Wilkensburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grid-controlled mercury arc tube. 1,975,164; Oct. 2.
- Ludwig, Louis, Brooklyn, N. Y. Electric heat regulating element. 1,952,445; Mar. 27.
- Ludwig, Louis, Brooklyn, N. Y. Current interrupting device. 1,955,076; Apr. 17.
- Ludwig, Louis, Brooklyn, N. Y. Switch-containing cigar lighter element. 1,956,240; Apr. 24.
- Ludwig, Louis, Brooklyn, N. Y. Instantaneous electric water heater. 1,957,070; May 1.
- Ludwig, Louis, Brooklyn, N. Y. Electric heating attachment for electric fans. 1,980,689; Nov. 13.
- Ludwig, William F., assignor to C. G. Conn, Ltd., Elkhart, Ind. Drum stick attachment. 1,953,619; Apr. 3.
- Ludwig, Willy. (See Bockmühl, M., Ludwig.)
- Ludwig, Willy. (See Lautenschlager, Ludwig, and Lindner.)
- Ludy, George B., Cedar Rapids, Iowa. Tag. 1,984,589; Dec. 18.
- Lueck, Frank R., Wauwatosa, Wis. Barrel tap. 1,956,724; May 1.
- Lueck, Henry W., and C. H. Davis, Park Ridge, Ill. Reversible helmet. 1,947,786; Feb. 20.
- Lueck, Henry W., C. H. and U. Davis, Park Ridge, Ill. Safety lamp. 1,979,837; Nov. 6.
- Luecke, Otto C., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Curtain stretcher and drier. 1,974,748; Sept. 25.
- Luedeke, Arthur W., Elizabeth, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Dehydration of synthetic resins. 1,985,453; Dec. 25.
- Luedtke, Max. (See Hoffmann, H., and Luedtke.)
- Lueg, Paul. (See Drucker, J., Lueg, and Weisse.)
- Luehrs, Henry H., Rochester, N. Y. Unit concrete wall construction. 1,982,217; Nov. 27.
- Luerssen, George V., and O. V. Greene, near Reading, assignors to The Carpenter Steel Company, Reading, Pa. Torsional impact-testing mechanism. 1,962,604; June 12.
- Lueth, Paul F. (See Payzant, H. H., and Lueth.)
- Luff, Willard J., Cleveland, Ohio, assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Intercepting drain. 1,982,348; Nov. 27.
- Lufkin Foundry & Machine Company. (See Croom, Guy, assignor.)
- Lufkin, Garland, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Glassware annealing leer. 1,967,365; July 24.
- Lufkin, Garland, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Glass gathering machinery. 1,977,967; Oct. 23.
- Lufkin, Garland, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Machine for forming glass articles. 1,981,238; Nov. 20.
- Lufkin, Garland, Bridgeton, N. J., and F. Flexon, Alton, Ill., assignors to Owens-Illinois Glass Company. Glass melting furnace. 1,981,625; Nov. 20.
- Lufkin Rule Co. (See Buck, Fred, assignor.)
- Lufkin Rule Co. (See Buck, F., and Witchger, assignors.)
- Lufkin Rule Co. (See Wittiger, Eugene J., assignor.)
- Luftig, Morris, Chicago, Ill. Garment supporting belt. 1,962,780; June 12.
- Luftschiffbau, Zeppelin Gesellschaft mit beschränkter Haftung. (See Dürr, Ludwig, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Sturm, F., and Hartmann, assignors.)
- Lug-Lox Flooring Company. (See Cherry, Frank W., assignor.)
- Luhr, Otto, assignor to A. Eisemann, Chicago, Ill. Refrigerator car. 1,958,794; May 15.
- Luhr, Otto, assignor to Anna Eisemann, Chicago, Ill. Refrigerator car. 1,959,681; May 22.
- Lukacs, Elmar, Berlin-Schöneberg, Germany, assignor to Hinz Fabric G. m. b. H., Berlin-Mariendorf. Fastening device for flat articles. 1,973,989; Sept. 18.
- Luke, John W., St. Augustine, Fla. Storage battery terminal connection. 1,950,804; Mar. 13.
- Lukenbill, Emery D., Indianapolis, Ind. Convertible toothbrush. 1,968,411; July 31.
- Lukens, Alan F., Pittsfield, Mass., assignor to General Electric Company. Alternating current motor control. 1,944,090; Jan. 16.
- Lukens, Clarence D., St. Louis, Mo. Dispensing container for surgical sutures. 1,971,570; Aug. 28.
- Luks, Kraemer, Towaco, assignor, by mesne assignments, to Walker-Gordon Laboratory Company, Inc., Plainboro, N. J. Milking apparatus. 1,968,564; July 31.
- Lulek, Ralph N., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Improved dibenzanthrone and its manufacture. 1,957,547; May 8.
- Lulham, Thomas R., London, England. Smoker's ash tray. Des. 93,986; Dec. 4.
- Lull, Le Grand H., Austin, Minn. Chatter eliminator for road maintenance machines. 1,968,412; July 31.
- Lulofs, Warner, et al. (See Bargeboer, Adolf, assignor.)
- Luly, Herman L., assignor to Continental Drug Corporation, Alton, Ill. Bottle. Des. 91,677; Mar. 6.
- Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 1,965,423; July 3.
- Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electric devices. 1,980,214; Nov. 13.
- Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,944,988; Jan. 30.
- Lumb, Isaac F., and H. T. Clasen, Glenolden, Pa. Key fastener. 1,955,430; Apr. 17.
- Lumb, Louis N., Long Island City, N. Y., assignor to Irving Iron Works Company. Interlocked grating. 1,975,281; Oct. 2.
- Lumm, Harvey N., Dayton, Ohio, assignor to Elgin National Watch Company, Chicago, Ill. Magnetic compass. 1,980,415; Nov. 13.
- Lumme, Willy, Quedlinburg, Germany. Rotary meter. 1,963,330; June 19.
- Lummerzhelm, Hermann, Dessau-Ziebigk, and E. Schnitzler, Dessau-in-Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Inscription bearing film and ink for making same. 1,983,910; Dec. 11.
- Lummus Company, The. (See Coubrough, George B., assignor.)
- Lummus Company, The. (See Reed, Carl S., assignor.)
- Lummus Cotton Gln Company. (See Campbell, Ernest F., assignor.)
- Lumsden, Colin H. (See Haddock, N. H., Lodge, and Lumsden.)
- Lumsden, Colin H. (See Haddock, N. H., and Lumsden.)
- Lunati, Peter J., Memphis, Tenn. Automobile-servicing lift. 1,985,510; Dec. 25.

- Lund, Albert A., Port Washington, and R. S. Anthony, New York, N. Y., assignors to les Producteurs de Sucre d'Etable de Quebec, Levis, Quebec, Canada. Treatment of maple sirup. 1,957,465; May 8.
- Lund, Arthur D., Minneapolis, Minn., assignor to Alcet Electro-Products Corporation, New York, N. Y. Molding device for casting machines. 1,959,484; May 22.
- Lund, Harry, East Orange, N. J. Automobile guide light. 1,966,764; July 17.
- Lund, Niels. (See Menze, T. F. and Lund.)
- Lund, Oscar, Briercrest, Saskatchewan, Canada. Wrench. 1,975,695; Oct. 2.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,958,543; May 15.
- Lund, William J. (See Clarke, G. and Lund.)
- Lundahl, Ossian, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control mechanism. 1,984,535; Dec. 18.
- Lundberg, Charles G., Brooklyn, and F. E. Sparring, New York, N. Y. Noiseless dumb waiter system. 1,978,273; Oct. 23.
- Lundberg, Evert G., Chicago, Ill. Lip stick holder and dispenser. 1,975,645; Oct. 2.
- Lundberg, Gunnar E., Chicago, Ill. Illuminated lawn sprinkler. 1,982,315; Nov. 27.
- Lundberg, Karl E., Uppsala, Sweden. Temperature-control apparatus for furnaces. 1,959,983; May 22.
- Lundberg, Nils I. (See Drissner, A. E., Hoagland, Lange, Lundberg, and Lovely.)
- Lundberg, Olaf, Saltsjobaden, Sweden. Water-supply cock. 1,964,921; July 3.
- Lundeen, Chester A., assignor to Byron Jackson Co., Los Angeles, Calif. Casing elevator construction. 1,966,452; July 17.
- Lundeen, Edward, Rock Island, assignor to Capital Ink Machine Company, Springfield, Ill. Combination ink container and dispenser. Des. 91,678; Mar. 6.
- Lundeen, Eugene T., Benton Harbor, Mich., and G. Audrey, Niagara Falls, assignors to Remington Rand Inc., Buffalo, N. Y. Loose leaf binder. 1,978,383; Oct. 23.
- Lundell, John M. (See Haram, M. A. and Lundell.)
- Lundgoot, Oscar G., Chicago, Ill. Pilot light and gas burner valve. 1,960,852; May 29.
- Lundgren, Edwin, Frederick, Md., assignor to Foster Wheeler Corporation, New York, N. Y. Boiler. 1,933,624; Dec. 11.
- Lundgren, Ernest F., Brooklyn, N. Y. Valve. 1,951,878; Mar. 20.
- Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Dynamic balance calculator. 1,956,126; Apr. 24.
- Lundgren, William E. (See Holt, T. and Lundgren.)
- Lundgren, William E., Auburn, assignor to P. H. McMullen, Worcester, Mass., trustee. Tension device for automatic loom shuttles. 1,947,133; Feb. 13.
- Lundholm, Gustaf W., Stockholm, Sweden. Miniature upright piano. 1,968,695; July 31.
- Lundin, Axel G., Blairstown, N. J., assignor to American Machine & Foundry Company. Clutch for tapping attachments. 1,945,053; Jan. 30.
- Lundin, Fred L., Green Bay, Wis. Combination toilet seat and latrine cover. 1,954,139; Apr. 10.
- Lundquist, Arvid, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Cutting mechanism for printing machines. 1,977,283; Oct. 16.
- Lundquist, Arvid, and J. D. Spillane, assignors to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Folding mechanism. 1,976,853; Oct. 16.
- Lundquist, Hans G., assignor of one-half to L. Kahn, Chicago, Ill. Air washing device. 1,952,269; Mar. 27.
- Lundquist, Joseph T. (See Perkins, R. F., Dietzler, and Lundquist.)
- Lundskow, Henry P., assignor to Peter Pirsch and Sons Co., Kenosha, Wis. Fire apparatus. 1,979,041; Oct. 30.
- Lundstrom, Frank O. (See Whittaker, Colin W., and Lundstrom.)
- Lundvall, Erik A., Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation. Bearing. 1,944,291; Jan. 23.
- Lundvall, John, assignor to Equipment Specialties Company, Chicago, Ill. Refrigerator car. 1,943,979; Jan. 16.
- Lundy, Beverly A. (See Lavarack, F. C., and Lundy.)
- Lundy, Beverly A., Larchmont, and E. F. Knowles, assignors to Railroad Accessories Corporation, New York, N. Y. Terminal. 1,958,196; May 8.
- Lundy, Thomas F., assignor to CO₂ Appliance Company, Tulsa, Okla. Liquefier screw cover. 1,961,298; June 5.
- Lunenburg, Gustave H., Amsterdam, N. Y. Bowden wire clamp. 1,950,317; Mar. 6.
- Lungren, Arthur N., Evanston, assignor to The Wahl Company, Chicago, Ill. Mechanical pencil. 1,946,085; Feb. 6.
- Lunken, Edmund H., Hartsdale, N. Y. Building construction. 1,962,201; June 12.
- Lunkenheimer Company, The. (See Hehemann, Frederick H., assignor.)
- Lunn, Alvin, assignor to Northwestern Metalware Co., Portland, Oreg. Stove pipe. 1,952,381; Mar. 27.
- Lunn, Annette S., San Francisco, Calif. Bag and attaching closure thereto. 1,974,872; Sept. 25.
- Lunsford, Robert L. (See Langabeer, H. T., and Lunsford.)
- Lunt, George P., Brookline, assignor to E. B. Badger & Sons Company, Boston, Mass. Concentrating dilute aliphatic acids. 1,958,898; May 15.
- Lunt, Gordon R., and C. Fegly, assignors to Pittsburgh Des Moines Steel Company, Des Moines, Iowa. Derrick structure and raising a derrick mast. 1,940,750; Mar. 6.
- Lupfer, James A., Tulsa, Okla. Liquid pressure equalizer. 1,948,988; Feb. 27.
- Lupo, Giacomo, assignor of one-tenth to P. Cantalupo, Brooklyn, N. Y. Fountain brush. 1,941,751; Jan. 2.
- Lupold, John M., and O. B. Grosser, Lykens, Pa. Burglar alarm. 1,974,779; Sept. 25.
- Luppert, Valentine C., Williamsport, Pa. Exercising apparatus. 1,983,911; Dec. 11.
- Lupton, Elmer H., Ilchester, Md. Folding container for bottles. 1,971,863; Aug. 28.
- Lurba, Raymond, Washington, D. C. Demountable top. 1,973,438; Sept. 11.
- Lurcott, Winfred N., Elizabeth, N. J. Brush tightener. 1,952,930; Mar. 27.
- Lurie, Eli, New York, N. Y. Wetting agents. 1,980,543; Nov. 13.
- Lurie, Harold H., Lafayette, Ind., assignor, by mesne assignments, to Utilities Research Commission, Inc., Chicago, Ill. Welding torch. 1,970,012; Aug. 14.
- Lusby, Oscar W. (See Huff, W. J., Logan, and Lusby.)
- Lüscher, Emil, assignor to the firm of Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland. Manufacture of fertilizers. 1,950,945; Mar. 13.
- Lüscher, Emil, and S. Ruosch, Basel Switzerland. Production of nitrophosphates. 1,971,111; Aug. 21.
- Lüscher, Emil, and E. Stirnemann, Basel, Switzerland, assignors to the firm of Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft. Producing calcium nitrate fertilizers. 1,966,395; July 10.
- Lush, Clifford N., Winnipeg, Manitoba, Canada. Attachment to baskets and the like. 1,973,643; Sept. 11.
- Lush, Ernest J. (See Lucas, O. D., and Lush.)
- Lush, Wilfred H., Pawtucket, assignor to Hoberizer Company of America, Inc., Providence, R. I. Liquid agitating means. 1,971,987; Aug. 28.
- Lusse Brothers, Inc. (See Lusse, Robert J., assignor.)
- Lusse, Robert J., assignor to Lusse Brothers, Inc., Philadelphia, Pa. Amusement car. 1,980,867; Nov. 13.
- Lusky, Clifford, and M. W. Brumleve, Louisville, Ky. Golf club. 1,982,526; Nov. 27.
- Lusteroid Container Company. (See Short, Raymond J., assignor.)
- Lustgarten, William. (See Saxon, W., and Lustgarten.)
- Lustick, Ludwig L., Traunkirch, assignor of one-half to J. Knaus, jr., Trenary, Mich. Automobile brake. 1,967,151; July 17.
- Lute, Carl, Hammond, Ind., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Elevating device for car doors. 1,985,867; Dec. 25.
- Lutenbacher, John F., New Orleans, La. Gas burner. 1,977,947; Oct. 23.
- Lutty, William. (See Behan, M., and Lutty.)
- Luther, Martin. (See Franzen, H., Beller, and Luther.)
- Luther, Martin. (See Friedolsheim, A., and Martin.)
- Luther, Martin. (See Klein, H., and Luther.)
- Luther, Martin, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Products of dimethylolureas. 1,947,997; Feb. 20.
- Luther, Martin, Mannheim, and W. Pungs, R. Griessbach, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of condensation products of urea and formaldehyde. 1,952,593; Mar. 27.
- Luther, Martin, and H. Klein, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of unsaturated fatty acids. 1,965,961; July 10.
- Luther, Martin, Mannheim, and H. Beller, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of unsaturated hydrocarbons. 1,965,962; July 10.
- Luthringshausen, Henry A., and I. Pine, New Orleans, La. Mirror attachment for automobiles. 1,985,179; Dec. 18.
- Luthy, Alfred, Aarau, Switzerland. Production of artificial teeth. 1,963,207; June 19.
- Lüthy, Fritz, Thoune, Switzerland. Bearing for spindles. 1,975,646; Oct. 2.
- Luthy, Max. (See Bebie, J., Livingston, and Luthy.)
- Luthy, Max, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Recovering alkaloids from cocoa products. 1,942,177; Jan. 2.
- Luton, John, Cleveland Heights, Ohio. Sash pulley. 1,951,059; Mar. 13.
- Lutsche, Carl F., Schofield Barracks, Territory of Hawaii. Polo boot. 1,945,226; Jan. 30.
- Luttbeg, Max, St. Louis, Mo. Accordion. 1,965,349; July 3.
- Luttenberger, Benjamin W., Manheim, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Process of and apparatus for applying a fibrous coating to a filament or wire. 1,950,988; Mar. 13.
- Luttrell, Nicholas J., Liverpool, N. Y. Circuit controller. 1,964,888; July 3.

- Luttrepp, Conrad, East Orange, N. J., assignor to Anders Lindahl, Stockholm, Sweden. Calculating machine. 1,958,970; May 15.
- Luttrepp, Conrad, assignor of one-half to Anders Lindahl, Stockholm, Sweden. Calculating machine. 1,983,625; Dec. 11.
- Lutts, Carlton G., Salem, and A. M. Leahy, Somerville, Mass. Chain link. 1,974,827; Sept. 25.
- Lutz, Frederick W. (See Wood, W. W., and Lutz.)
- Lutz, Frederick W., Floral Park, assignor to Fairchild Aerial Camera Corporation, Woodside, Long Island, N. Y. Mount for aerial cameras and aerial photography. 1,953,304; Apr. 3.
- Lutz, George A., Cranford, N. J., assignor to National Electric Products Corporation, New York, N. Y. Multiple passage wiring duct. 1,979,804; Nov. 6.
- Lutz, George J. (See Massa, Manuel R., assignor.)
- Lutz, George W., Dayton, Ohio. Heating apparatus. 1,943,223; Jan. 9.
- Lutz, Rollin B., Hollywood, Calif. Scalp treating device. 1,944,091; Jan. 16.
- Lux Clock Manufacturing Company, The. (See Lux, Frederick, assignor.)
- Lux Electrolyzer Service, Incorporated, The. (See Lux, Leo A., assignor.)
- Lux, Elisabeth, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Method and apparatus for making ceramic shapes. 1,944,989; Jan. 30.
- Lux, Elisabeth, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Manufacture of refractory bricks or the like from chrome ore. 1,973,907; Sept. 18.
- Lux, Elisabeth, Essen-on-the-Ruhr, Germany, assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Cement for acid-proof brickwork. 1,933,493; Dec. 4.
- Lux, Frederick, assignor to Lux Clock Manufacturing Company, Waterbury, Conn. Clock case. Des. 93,727; Oct. 30.
- Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Incorporated, Waterbury, Conn. Time switch. 1,951,027; Mar. 13.
- Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Electric range time switch. 1,951,028; Mar. 13.
- Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Incorporated, Waterbury, Conn. Timing mechanism. 1,952,763; Mar. 27.
- Lux, Heinz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency amplification for very short waves. 1,958,971; May 15.
- Lux, Leo A., Lakewood, Ohio, assignor to The Lux Electrolyzer Service, Incorporated. Water softening composition and method. 1,969,983; Aug. 14.
- Luyster, Homer B., Black Diamond, Wash. Horn control device. 1,933,912; Dec. 11.
- Luzzi, August F., Wichita Falls, Tex. Exercising apparatus. 1,950,896; Mar. 13.
- Lybarger, Samuel F., assignor to E. A. Myers & Sons, Pittsburgh, Pa. Microphonic relay assembly. 1,977,830; Oct. 23.
- Lybarger, Samuel F., assignor to E. A. Myers & Sons, Mount Lebanon, Pa. Earphone. 1,983,178; Dec. 4.
- Lydeard, Ernest H., Redditch, England. Surgical needle or the like and suture therefor. 1,960,117; May 22.
- Lydon, Timothy, New York, N. Y. Heated furnace with heat recirculating means. 1,950,006; Mar. 6.
- Lyell, John W., jr., Fall River, Mass., assignor to Dauphinee Mfg. Co., Providence, R. I. Box attachment. 1,951,515; Mar. 20.
- Lysoe, George, Wendel, assignor of forty-seven per cent to M. Hrib. Rosemont, and six per cent to G. Hrib, jr., Simpson, W. Va. Smoking pipe and tube. 1,951,097; Mar. 13.
- Lykken, Henry G., Minneapolis, Minn. Material classifier and distributor. 1,962,450; June 12.
- Lyla, William A., Sioux Falls, S. Dak. Barber chair attachment. 1,958,795; May 15.
- Lyle, Frederick W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Light control systems. 1,944,751; Jan. 23.
- Lyle, Frederick W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current control apparatus. 1,985,044; Dec. 18.
- Lyle, George B., San Mateo, Calif., assignor to Williams Brothers, Ltd., Container. Des. 94,154; Dec. 25.
- Lyman, Alfred T. (See Sherwood, Glenn L., assignor.)
- Lyman, Grace. (See Lyman, William H., assignor.)
- Lyman, John F., Columbus, Ohio, assignor to M & R Dietetic Laboratories, Inc. Treating milk products. 1,954,769; Apr. 10.
- Lyman, Kenneth E., Rockford, Ill. Automatic clutch. 1,969,698; Aug. 7.
- Lyman, Kenneth E., Rockford, Ill. Friction clutch. 1,981,807; Nov. 20.
- Lyman, Kenneth E., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Automatic starting system and means for hydrocarbon engines. 1,972,781; Sept. 4.
- Lyman, Kenneth E., Rockford, Ill., assignor to Marvel Carburetor Company, Flint, Mich. Injector. 1,973,215; Sept. 11.
- Lyman, Kenneth E., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Electric shock absorber. 1,976,792; Oct. 16.
- Lyman, Kenneth E., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake-shaft support. 1,946,086; Feb. 6.
- Lyman, Kenneth E., assignor to Borg-Warner Corporation, Chicago, Ill. Brake drum. 1,974,662; Sept. 25.
- Lyman, Kenneth E., Chicago, and K. Miller, Rockford, assignors to Borg-Warner Corporation, Chicago, Ill. Oil filter medium and making the same. 1,963,945; June 19.
- Lyman, Walter H., and P. F. Fischel, assignors, by mesne assignments, to The International Check Endorser Co., Chicago, Ill. Check indorser. Re19,098; Feb. 27.
- Lyman, William H., assignor to G. Lyman, Denver, Colo. Aircraft propeller. 1,977,072; Oct. 16.
- Lymburner, Arthur P., Montreal, Quebec, Canada. Can opening device. 1,955,431; Apr. 17.
- Lynch Corporation. (See Bridges, Edward G., assignor.)
- Lynch Corporation. (See Lynch, J. W., and Bridges, assignors.)
- Lynch Corporation. (See Miller, Charles F., Jr., assignor.)
- Lynch, Daniel. (See Felley, E. J., and Lynch.)
- Lynch, Francis J., Kansas City, Mo. Heat reclaimers. 1,978,639; Oct. 30.
- Lynch, George C., Los Angeles, Calif. Shade holder. 1,974,077; Sept. 18.
- Lynch, George C., Los Angeles, Calif. Illuminating device. 1,974,078; Sept. 18.
- Lynch, Harold J., Cornwall-on-the-Hudson, N. Y. Connector. 1,953,966; Apr. 10.
- Lynch, Harry E., near Lenexa, assignor of twenty-four one-hundredths to W. T. Doherty, Kansas City, Mo. Metallic post. 1,964,404; June 26.
- Lynch, James W., and E. G. Bridges, Anderson, Ind., assignors to Lynch Corporation. Glass blowing machine. 1,948,928; Feb. 27.
- Lynch, Joseph H. (See Mortimer, Charles G., assignor.)
- Lynch, Lawrence, Los Angeles, Calif. Sanitary retractile razor strap. 1,963,499; June 19.
- Lynch, Theodore L., Huntington Park, H. L. Rilling, Long Beach, and H. A. Redfield, Alhambra; said Redfield assignor to H. R. Staples, Los Angeles, Calif. Device for indicating inclination. 1,979,451; Nov. 6.
- Lynch, William J. D., Belleville, and R. L. Clarkson, Passaic, N. J.; said Lynch assignor to Degener Incorporated. Fastener or holder for window curtains. 1,954,419; Apr. 10.
- Lynger, Erik S., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Sprayer. 1,972,531; Sept. 4.
- Lynn, Alger M. (See Lewis, M. C., and Lynn.)
- Lynn, Alger M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated conductor. 1,966,509; July 17.
- Lynn, Clarence, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Commutating brush. 1,979,696; Nov. 6.
- Lynn, Ewing K. (See Hewitt, E. E., and Lynn.)
- Lynn, George J., assignor to Marshall Field & Company, Chicago, Ill. Lady's purse. Des. 93,987; Dec. 4.
- Lynn, John P., Chicago, assignor to Dur-O-Lite Pencil Company, Sycamore, Ill. Making pencil bodies. 1,959,288; May 15.
- Lynn, Lambert H., Schenectady, N. Y., assignor to General Electric Company. Composite support and condenser. 1,960,058; May 22.
- Lynn, Lambert H., Schenectady, N. Y., assignor to General Electric Company. High frequency amplifier. 1,983,380; Dec. 4.
- Lynn Products Co. (See Popp, Leonard A., assignor.)
- Lyon, Albert, Paisley, Scotland. Holder for banks of yarn or the like. 1,962,513; June 12.
- Lyon, Alfred J., Harshmanville, Ohio. Aluminum alloy. 1,965,604; July 10.
- Lyon, Carlos E., assignor to G. S. Lyon & Sons Lumber & Mfg. Co., Decatur, Ill. Sash. 1,979,951; Nov. 6.
- Lyon, Charles E., assignor to C. N. Windecker, Painesville, Ohio. Method and apparatus for the disposal of sewage. 1,956,463; Apr. 24.
- Lyon Cover Company. (See Jandus, Herbert S., assignor.)
- Lyon Cover Company. (See Nehls, Charles H., assignor.)
- Lyon Cover Company. (See Reed, Leon H., assignor.)
- Lyon Cover Company. (See Short, B. M., and Jandus, assignors.)
- Lyon Cover Company. (See Smith, Frederick A., assignor.)
- Lyon Cover Company. (See Tyson, Theodore J. W., assignor.)
- Lyon, Frank S. (See Fish, Gilbert D., assignor.)
- Lyon, G. S., & Sons Lumber & Mfg. Co. (See Lyon, Carlos E., assignor.)
- Lyon, George A., Allenhurst, N. J. Ring construction for ornamenting rims. 1,948,272; Feb. 20.
- Lyon, George A., Allenhurst, N. J. Ornamental bead and applying same to a wheeled rim. 1,948,273; Feb. 20.
- Lyon, George A., Allenhurst, N. J. Ornamental plate for wheels. 1,949,317; Feb. 27.
- Lyon, George A., Allenhurst, N. J. Construction for ornamenting rims. 1,954,140; Apr. 10.
- Lyon, George A., Allenhurst, N. J. Ornamental member for wheels. 1,958,484; May 15.
- Lyon, George A., Allenhurst, N. J. Making automobile buffers and similar articles. 1,966,453; July 17.
- Lyon, George A., Allenhurst, N. J. Making automobile bumpers and the like. 1,977,448; Oct. 16.
- Lyon, George A., Allenhurst, N. J. Construction for ornamenting rims. 1,985,378; Dec. 25.

- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Combination tire cover and luggage carrier. 1,941,564; Jan. 2.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Cover for spare tires. 1,943,922; Jan. 16.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. Y. Tire cover. 1,946,168; Feb. 6.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Tire cover. 1,946,326; Feb. 6.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Method of and apparatus for forming and cutting tire-cover rims. 1,951,800; Mar. 20.
- Lyon, George A., Allenhurst, N. J., assignor to Lyon Incorporated, Detroit, Mich. Method of and apparatus for forming and finishing tire cover rims. 1,951,801; Mar. 20.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Tire cover and mounting for spare wheels. 1,955,710; Apr. 17.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Cover for spare tires of automobiles. 1,965,527; July 3.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Applying beading to tire covers. 1,965,528; July 3.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Tire cover. 1,965,529; July 3.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Method of and apparatus for attaching beading to tire covers. 1,965,530; July 3.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Making corrugated shove-down tire covers. 1,965,531; July 3.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Single piece metal tire cover. 1,965,532; July 3.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Method of and apparatus for applying beading to tire covers. 1,965,533; July 3.
- Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Forming tire cover structure. 1,971,161; Aug. 21.
- Lyon, George A., assignor to Lyon Incorporated, Detroit, Mich. Spare tire cover construction. 1,980,690; Nov. 13.
- Lyon, Hancel M. (See Rice, W. H., and Lyon.)
- Lyon Incorporated. (See Lyon, George A., assignor.)
- Lyon, Leon P., Miami Beach, Fla. Fluid flow indicator. 1,955,754; Apr. 24.
- Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
- Lyon Metal Products, Incorporated. (See Bales, J. E., and Hallberg, assignors.)
- Lyon Metal Products, Incorporated. (See O'Connor, J. B., and Bales, assignors.)
- Lyon Metal Products, Incorporated. (See Vance, W. N., O'Connor, and Adler, assignors.)
- Lyon, Norman W. (See Hoppe, W., and Lyon.)
- Lyon, Norman W., assignor to National Bread Wrapping Machine Company, Springfield, Mass. Overload release mechanism. 1,953,182; Apr. 3.
- Lyon, Ray S., Woodside, assignor to United Research Corporation, New York, N. Y. Light sensitive cell. 1,948,766; Feb. 27.
- Lyon, Robert C. (See Zimmerli, A., and Lyon.)
- Lyon, Stacy T. (See Freeman, D. M., and Lyon.)
- Lyons, Arthur G., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Transom lifter. 1,954,739; Apr. 10.
- Lyons, Arthur G., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Door knob construction. 1,967,152; July 17.
- Lyons, Arthur G., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Lock mechanism. 1,970,757; Aug. 21.
- Lyons, Arthur G., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Lock mechanism. 1,979,893; Nov. 6.
- Lyons, Arthur G., Pennside, assignor to Reading Hardware Corporation, Reading, Pa. Butt hinge construction. 1,979,894; Nov. 6.
- Lyons, Arthur G., Pennside, and W. H. Sterrett, assignors to Reading Hardware Corporation, Reading, Pa. Spindle construction. 1,970,758; Aug. 21.
- Lyons, Arthur G., Pennside, and W. H. Sterrett, assignors to Reading Hardware Corporation, Reading, Pa. Adjustable lock strike. 1,984,222; Dec. 11.
- Lyons, Benjamin F. (See Robinson, Walter W., assignor.)
- Lyons, Frank and W. H., jr., Lodi, Calif. Decoy. 1,948,624; Feb. 27.
- Lyons, Charles T., Medina, assignor to Durable Mat Company, Seattle, Wash. Marine fender. 1,981,182; Nov. 20.
- Lyons, George W., Hamden, assignor to The General Mechanical Company, New Haven, Conn. Baking apparatus. 1,984,027; Dec. 11.
- Lyons, Henry W., Portland, Oreg. Blank stock. 1,983,040; Dec. 4.
- Lyons, Jerome J., and D. A. Farrell, assignors to John F. Jelke Company, Chicago, Ill. Chocolate butter and making same. 1,957,789; May 8.
- Lyons, Percy D., and G. E. Walter, Buffalo, N. Y. Multiple pump for embalming and other purposes. 1,974,964; Sept. 25.
- Lyons, Robert L., Waltham, assignor to American Button Sewing Machine Co., Boston, Mass. Securing buttons to work. 1,951,516; Mar. 20.
- Lyons, Robert L., Waltham, assignor to American Button Sewing Machine Co., Boston, Mass. Button or the like sewing machine. 1,962,903; June 12.
- Lyons, Willard E., Chicago, assignor to Harry S. Harned, Oak Park, Ill. Spark plug. 1,970,525; Aug. 14.
- Lyons, William H., jr. (See Lyons, Frank and W. H., jr.)
- Lyseth Thread Company. (See Borg, H. F., and Walker, assignors.)
- Lysholm, Alf, assignor to Aktiebolaget-Ljungströms Angturbin, Stockholm, Sweden. Turbine-driven compressor apparatus. 1,947,477; Feb. 20.
- Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Gas turbine system for varying load. 1,959,795; May 22.
- Lysholm, Alf, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Elastic fluid turbine of the radial-axial flow type. 1,961,615; June 5.
- Lysholm, Alf, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Double rotary type steam turbine. 1,961,616; June 5.
- Lysholm, Alf, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Elastic fluid turbine. 1,981,872; Nov. 27.
- Lysholm, Alf, Stockholm, and G. K. W. Boestad, Lidingsö, assignors to Aktiebolaget Ljungströms, Ångturbin, Stockholm, Sweden. Turbine locomotive. 1,969,311; Aug. 7.
- Lysle, Edmond H., Ventnor, N. J. Optical apparatus. 1,975,111; Oct. 2.
- Lysons, Fred H. (See Whittaker, Norman A., assignor.)
- Lyth John J., Valleyfield, Quebec, Canada. Machine for winding material of ribbon like form into rolls. 1,979,334; Nov. 6.
- Lytle, Harry R., Sacramento, assignor to Knapp Manufacturing Corporation, Oakland, Calif. Earth mover. 1,984,648; Dec. 18.
- Lytle, Robert T., et al. (See Sparks, Samuel W., assignor.)
- Lytle, Robert W., Cincinnati, Ohio, assignor to The Formica Insulation Company. Silent gear and manufacture. 1,943,024; Jan. 9.
- Lytle, Robert W., assignor to The Formica Insulation Company, Cincinnati, Ohio. Manufacturing silent gears. 1,952,811; Mar. 27.
- Lytle, William O., New Kensington, Pa., assignor to Duplate Corporation. Moving picture screen. 1,983,626; Dec. 11.
- Lyttle, J. M., et al. (See Jones, James M., assignor.)
- Lytton, Cullen L., Gastonia, N. C., deceased; H. S. Lytton, administratrix. Detecting imperfections in yarn. 1,958,197; May 8.
- Lytton, Hettie S., administratrix. (See Lytton, Cullen L., assignor.)
- Lytton, Rosemary K., Chicago, Ill. Brassière. 1,962,314; June 12.
- M. J. B. Company. (See Burns, Wilfred E., assignor.)
- M-O Valve Company Limited, The. (See Eden, Christopher G., assignor.)
- M-O Valve Company Limited, The. (See Eden, C. G., and Smithells, assignors.)
- M-O Valve Company Limited, The. (See Gossling, B. S., and Megaw, assignors.)
- M-O Valve Company Limited. (See McLeod, Albert E., assignor.)
- M-O Valve Company Limited, The. (See Megaw, Eric C. S., assignor.)
- M & R Dietetic Laboratories, Inc. (See Lyman, John F., assignor.)
- M & R Dietetic Laboratories, Inc. (See Otting, Herbert E., assignor.)
- M & S Manufacturing Co. Inc. (See Stevenson, Robert, assignor.)
- M & V Tank Company. (See McMurray, William G., assignor.)
- Maack, Henry W. (See Eckman, H. A., and Maack.)
- Maag, Willy, Zurich, Switzerland. Gearing. 1,970,894; Aug. 21.
- Maas, Elov F., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Elastic wheel. 1,948,304; Feb. 20.
- Maas, Elov F., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Manufacturing elastic torque transmitting bodies, particularly elastic wheels. 1,952,446; Mar. 27.
- Maas, John W., Bowler, Wis. Fence hook. 1,960,541; May 29.
- Maas, Julian, St. Louis, Mo. Rotary display apparatus. 1,983,861; Dec. 11.
- Maas & Waldstein Co. (See Klinckenstein, Gustave, assignor.)
- Maatschappij tot Beheer en Exploitatie van Octrooien. (See Sanchez-Vello, Leopoldo, assignor.)
- Mable, Todd & Company. (See Sears, Edward S., assignor.)
- Maby, Adelbert C., Jamaica Estates, Long Island, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Perforated card sorting machine. 1,944,692; Jan. 23.
- Mac Ad Company. (See MacLachlan, John D., assignor.)
- Maca, Paul. (See Sommer, K. W., and Maca.)

- MacAdams, Jesse E., Albany, Ga. Heat transfer apparatus. 1,958,899; May 15.
- Macadie, Donald, London, and C. L. Ratcliff, Stretchford, England. Machine for sorting documents and the like provided with statistical or other determinative perforations. 1,943,940; Jan. 16.
- Macadie, Hugh S., Westminster, London, England, assignor to The Automatic Coil Winder & Electrical Equipment Company, Limited. Multirange electrical measuring instrument. 1,959,592; May 22.
- Macalister, James, Invercargill, New Zealand. Manure distributor. 1,963,500; June 19.
- Macallen Company, The. (See Banks, W. H., jr., and Graham, assignors.)
- Macallum, Alexander D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Manufacture of cyanides. 1,966,253; July 10.
- Macallum, Alexander D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Preparation of cyanhydrins. 1,984,415; Dec. 18.
- Macalpine, William W., East Orange, N. J., assignor to Communication Patents, Inc., New York, N. Y. Electrical generator system. 1,985,735; Dec. 25.
- MacAndrews and Forbes Company. (See Houseman, Percy A., assignor.)
- MacAndrews and Forbes Company. (See Treichel, John B., assignor.)
- Macarthur, Arthur, and A. Stewart, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Ltd. Agents for diminishing or suppressing foaming and frothing and the application thereof. 1,947,725; Feb. 20.
- MacArthur, John S., Attica, N. Y. Liquid cooling device. 1,972,782; Sept. 4.
- Macartney, John H., and R. S. Stark, San Francisco, Calif. Engine. 1,955,755; Apr. 24.
- MacBain, Donald R. (See Ayers, A. R., and MacBain.)
- Macbeth-Evans Glass Company. (See Blau, Henry H., assignor.)
- Macbeth-Evans Glass Company. (See Macbeth, George D., assignor.)
- Macbeth, George D., Pittsburgh, assignor to Macbeth-Evans Glass Company, Charleroi, Pa. Coffee maker. 1,976,620; Oct. 9.
- MacBride, Winfield B., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Grizzly. 1,980,279; Nov. 13.
- Maccabee, David E., assignor to Stewart-Warner Corporation, Chicago, Ill. Compressor lubricating system. 1,965,198; July 3.
- Maccabee, David E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,983,766; Dec. 11.
- MacCarthy, John D. (See Sweet, A. T., and MacCarthy.)
- MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Reinforced pavement and laying same. 1,943,328; Jan. 16.
- MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Container and forming same. 1,956,241; Apr. 24.
- MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Container and making same. 1,956,242; Apr. 24.
- MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Wire joint and forming same. 1,972,153; Sept. 4.
- MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Container. 1,981,518; Nov. 20.
- MacChesney, Chester M., Chicago, and A. B. Wilson, Evansston, assignors to Acme Steel Company, Chicago, Ill. Reinforced pavement and laying the same. 1,952,721; Mar. 27.
- Macchi, Aldo, Schenectady, N. Y., assignor to General Electric Company. Removable furnace refractory. 1,957,220; May 1.
- MacClatchie, J. Warren. (See Jakosky, John J., assignor.)
- MacClatchie Manufacturing Company. (See Jakosky, John J., assignor.)
- Maccoy, Frank, Detroit, Mich. Feeding device. 1,972,895; Sept. 11.
- MacDaniel, J. L., Printing Company, The. (See Egenolf, George J., assignor.)
- MacDermid, Charles G., Denver, Colo. Envelope moistener. Des. 92,970; Aug. 7.
- Macdonald, Alexander G., Montreal, Quebec, Canada. Display container. 1,964,294; June 26.
- Macdonald, Alexander G., assignor to Imperial Tobacco Company of Canada Limited, Montreal, Quebec, Canada. Container for cigarettes and the like. 1,953,418; Apr. 3.
- Macdonald, Angus S., Hadlyme, Conn., assignor to Snead & Company, Jersey City, N. J. Library flooring. 1,961,230; June 5.
- Macdonald, David B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Stiffener for footwear and preparing the same. 1,945,650; Feb. 6.
- Macdonald, David B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,952,177; Mar. 27.
- Macdonald, Donald G., near Richmond, Va. Candlestick or article of analogous nature. Des. 91,783; Mar. 20.
- Macdonald, Duncan F., Kilm. Argyll, Scotland. Air, gas, or smoke extractor. 1,968,949; Aug. 7.
- Macdonald, Frank C., and W. E. Richardson, Detroit, Mich. Hydraulic transmission. 1,978,680; Oct. 30.
- MacDonald, Frank J., Brookline, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Footwear and the like and method and apparatus for producing the same. 1,952,628; Mar. 27.
- MacDonald, Frank J., Brookline, assignor to Hood Rubber Company, Inc., Watertown, Mass. Apparatus for cutting sheet material. 1,978,051; Oct. 23.
- MacDonald, Freeman W., et al. (See Simmons, Finn, assignor.)
- MacDonald, Gerald A., assignor to The Hart & Hutchinson Company, New Britain, Conn. Partition panel joint. 1,962,826; June 12.
- Macdonald, Ian, Modesto, Calif. Knockdown table and seat unit. 1,951,619; Mar. 20.
- Macdonald, Ian, Modesto, Calif. Knockdown portable table. 1,964,789; July 3.
- Macdonald, James, New York, N. Y. Method of and apparatus for waving hair. 1,974,924; Sept. 25.
- MacDonald, James E., Pittsburgh, Pa. Refractory regenerator brick. 1,976,575; Oct. 9.
- MacDonald, John. (See Grundhand, L., and MacDonald.)
- MacDonald, John J., assignor to F. M. Simpson, Montreal, Quebec, Canada. Pole clamp. 1,943,766; Jan. 16.
- MacDonald, John W. F., Brighton, assignor to Parks-Cramer Company, Boston, Mass. Protective device for commercial oil heating systems. 1,942,436; Jan. 9.
- MacDonald, Kenneth W., Watertown, assignor to P. J. Lindstrom, Medford, and A. L. Mahoney, Jamaica Plain, Mass. Roasting apparatus. 1,971,012; Aug. 21.
- Macdonald, Laurie S. (See Sabel, I., and Macdonald.)
- Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe-bottoms. 1,959,593; May 22.
- Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparing outsoles. 1,962,250; June 12.
- Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for treating shoe parts. 1,962,315; June 12.
- Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,975,468; Oct. 2.
- Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,977,913; Oct. 23.
- MacDonald, Mary H. N., Cambridge, Mass. Convertible seat. 1,949,869; Mar. 6.
- Macdonald, Rob R., assignor of one-half to L. O. Smith, Bayside, N. Y. Self tightening electrical connector. 1,956,037; Apr. 24.
- Macdonald, Robert G., Chicago, Ill. Gold teaching and playing device. 1,944,942; Jan. 30.
- Macdonald, Robert J., St. Stephen, New Brunswick, Canada, assignor of one-third to E. J. Corrigan, Calais, Maine. Pulpwood rosier. 1,952,931; Mar. 27.
- Macdonald, Walter, North Providence, R. I. Method of and machine for making hollow rubber articles. 1,979,003; Oct. 30.
- Macdonald, Walter R., Los Angeles, assignor of one-half to W. M. Sutherland, Pasadena, and one-half to N. W. Snow, Altadena, Calif. Aggregate. 1,976,573; Oct. 9.
- MacDonald, William A., Little Neck, assignor to Hazel-tine Corporation. Wave signaling system. 1,961,154; June 5.
- Macdonald, William F., assignor to Bridgeport Brass Company, Bridgeport, Conn. Air valve for radiators and the like. 1,981,365; Nov. 20.
- Macdonald, William H., Passaic, N. J. Printing device. 1,981,519; Nov. 20.
- Macdonald, William T., assignor to The International Nickel Company of Canada, Limited, Copper Cliff, Ontario, Canada. Concentration of ores by flotation. 1,970,808; Aug. 21.
- MacDonnell, George A., Milton, assignor to Koehler Manufacturing Company, Marlboro, Mass. Skate. 1,977,587; Oct. 16.
- MacDonough, John V. (See Walsh, J. F., and MacDonough.)
- MacDougall, Bon, Los Angeles, Calif., assignor to Fred C. McClellan, Chicago, Ill. Coin controlled game apparatus. 1,973,820; Sept. 18.
- MacDougall, Bon, Los Angeles, Calif., assignor to F. C. McClellan, Chicago, Ill. Game apparatus. 1,983,811; Dec. 11.
- MacDougall, Bruce E., Toronto, Ontario, Canada. Heater. 1,958,007; May 8.
- MacDougall, Hugh C., West New York, N. J., assignor to General Foods Corporation, New York, N. Y. Paring device. 1,951,804; Mar. 20.
- MacDougall, William G., Fairhaven, Mass. Collapsible oar and earlock. 1,958,008; May 8.
- Mace, Arthur A. (See Bruce, G. A., and Mace.)
- Mace, Arthur T., East Cleveland, assignor to The Radiant Corporation, Cleveland, Ohio. Magnetic interrupter. 1,961,058; May 29.
- Mace, James W., assignor of one-half to A. O. Wing, Rainier, Oreg. Animal trap. 1,948,586; Feb. 27.
- MacElhone Methods, Inc. (See Jones, David J., assignor.)
- MacEwan, William R., and J. I. Villa, assignors to The Weaving Machines Company Limited, London, England. Circular loom. 1,949,571; Mar. 6.
- Macey Company, The. (See Tobey, Fred W., assignor.)
- Macey, Eugene J., Rosholt, S. Dak. Grease gun. 1,945,651; Feb. 6.
- Macfadden, Bernarr, Englewood, N. J. Device and method for price marking. 1,979,164; Oct. 30.

- MacFarland, Alice, et al. (See Quinn, John B., assignor.)
 MacFarland, Wendell S., et al. (See Quinn, John B., assignor.)
 MacFarlane, James C. (See Hillier, H., and J. C. and W. A. MacFarlane.)
 MacFarlane, Robert, assignor to Sayles Biltmore Bleacheries, Inc., Biltmore, N. C. Cloth feeder and guider. 1,961,059; May 29.
 MacFarlane, Scott B., and R. E. Jasperson, U. S. Navy. Gyro sextant. 1,964,737; July 3.
 MacFarlane, Walter C., South Gate, Calif., assignor to The Xylos Rubber Company, Akron, Ohio. Apparatus for treating tacky material. 1,952,556; Mar. 27.
 MacFarlane, William A. (See Hillier, H., and J. C. and W. A. MacFarlane.)
 MacFarran, Walter W., Oakmont, Pa. Rotary flying shear. 1,965,523; July 3.
 Macfie, William L., assignor to Andrew & Suter Limited, London, England. Safety device for presses and the like. 1,945,116; Jan. 30.
 MacGill, Charles F., Newton, Mass. Apparatus for preserving and dispensing liquids. 1,983,881; Dec. 4.
 MacGovern, F., Corporation. (See Colbie, Gus L., assignor.)
 MacGovern, F., Corporation. (See Crowley, Edward C., assignor.)
 MacGregor, Charles A., Kooskia, Idaho. Tissue container. 1,952,382; Mar. 27.
 MacGregor Instrument Company. (See MacGregor, John, assignor.)
 MacGregor, John, Roslindale, assignor to MacGregor Instrument Company, Needham, Mass. Cushion carrying case for syringe outfits and the like. 1,980,141; Nov. 6.
 MacGregor, John J., Washington, D. C. Series and parallel switch. 1,955,756; Apr. 24.
 MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination harvester-thresher. 1,972,783; Sept. 4.
 MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Harvester pick-up. 1,979,974; Nov. 6.
 MacGregor, Wallace F., and O. M. Geer, assignors to J. I. Case Company, Racine, Wis. Hammer mill. 1,945,054; Jan. 30.
 MacGregor, William, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrading. 1,978,681; Oct. 30.
 MacGregor, Williard H. (See Carland, F. B., and MacGregor.)
 Machenheimer, Adolf, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Fuse plug adapter. 1,942,178; Jan. 2.
 Machined Steel Casting Company, The. (See Hick, Harry J., assignor.)
 Machlet, Adolph W., Elizabeth, N. J. Gas-bulb heating apparatus. 1,941,807; Jan. 2.
 Machlett, Raymond R., Scarsdale, N. Y. Electron discharge tube. 1,954,016; Apr. 10.
 Machlett, Raymond R., Scarsdale, assignor to Rainbow Light, Inc., Long Island City, N. Y. Low voltage discharge tube. 1,945,285; Jan. 30.
 Machlett, Raymond R., Scarsdale, assignor to Rainbow Light, Inc., Long Island City, N. Y. Electric discharge tube. 1,945,286; Jan. 30.
 Machlett, Raymond R., New York, assignor to Rainbow Light, Inc., Long Island City, N. Y. Luminous discharge tube. 1,961,617; June 5.
 Machlett, Raymond R., New York, assignor to Rainbow Light, Inc., Long Island City, N. Y. Low voltage electric discharge tube. 1,961,618; June 5.
 Machold, Fred M., Pleasantville, N. Y. Reading lamp. 1,946,866; Feb. 13.
 Macht, Maurice L., North Arlington, N. J., assignor to Duplate Corporation. Composite glass and making it. 1,954,055; Apr. 10.
 Macias, Juan R., Ciales, P. R. Sanitary cover. 1,967,581; July 24.
 MacIldowie, John C., Nashua, N. H., assignor to Johns-Manville Corporation, New York, N. Y. Preformed structural unit and making the same. 1,970,328; Aug. 14.
 MacIntire, Walter H., Knoxville, Tenn. Producing fertilizers. 1,953,419; Apr. 3.
 MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making light fluffy material. 1,975,213; Oct. 2.
 MacIntire, Walter H., and G. A. Shuey, assignors to Knoxville Glove Company, Knoxville, Tenn. Converting scrap leather into a fertilizer component. 1,963,909; June 19.
 MacIntosh Cable Company Limited, The. (See Sargent, Alfred, assignor.)
 MacIntyre, Aimwell G., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Manufacture of paper pulp. 1,945,862; Feb. 6.
 Maciver, Robert G., London, assignor to J. Stone & Company Limited, Deptford, England. Antifriction bearing. 1,953,001; Mar. 27.
 Mack, Edward L. (See Reynolds, R. S., and Mack.)
 Mack, George F. (See Quick, J. D., and Mack.)
 Mack, Henry R., Philadelphia, Pa. Structural toy. 1,973,536; Sept. 11.
 Mack, James M., Houghton, Wash. Radio-telephony navigating apparatus. 1,972,388; Sept. 4.
 Mack, James O., Houston, Tex. Apparatus for cleaning wells. 1,964,264; June 26.
 Mack, John L. (See Johnson, L., and Mack.)
 Mack, Ludwig. (See Ernst, O., and Mack, assignors.)
 Mack, Patrick H., Bradford, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Flood packer. 1,946,353; Feb. 6.
 Mack, Robert T., trustee. (See Edelman, Philip E., assignor.)
 Mack, William J., Buffalo, N. Y. Locking key for car brakes. 1,969,087; Aug. 7.
 Mackay, Charles W., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,950,058; Mar. 6.
 Mackay, James A., Chicago, Ill., assignor to Kenlit Mfg. Co., Medford, Mass. Chair cushion. Des. 93,780; Nov. 6.
 Mackay, John F., Lancaster, Pa. Incubator. 1,952,599; Mar. 27.
 Mackay, John J., assignor to Diamond Iron Works, Inc., Minneapolis, Minn. Rock crushing plant. 1,950,501; Mar. 13.
 Mackensen, Otto, Jena, Germany. Bearing. 1,947,559; Feb. 20.
 MacKenzie, Alexander, Philadelphia, Pa. Sash construction. 1,946,169; Feb. 6.
 MacKenzie, Alexander S., Houston, Tex., assignor, by mesne assignments, to Elk City Cotton Oil Company. Separating conveyor. 1,953,245; Apr. 3.
 MacKenzie, Alexander S., Houston, Tex., assignor, by mesne assignments, to Elk City Cotton Oil Company. Cotton cleaning and ginning apparatus. 1,971,421; Aug. 28.
 MacKenzie, Donald, Los Angeles, Calif. Aircraft. 1,977,392; Oct. 16.
 MacKenzie, Donald G., Montreal, Quebec, Canada. Motorcar or like vehicle. 1,982,816; Nov. 27.
 MacKenzie, Duncan R., Ardsley, N. Y. Closure. 1,944,355; Jan. 23.
 MacKenzie, Fred L. (See Goddu, G., and MacKenzie.)
 MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,947,769; Feb. 20.
 MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing machine. 1,947,770; Feb. 20.
 MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,959,632; May 22.
 MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,964,004; June 26.
 MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 1,970,097; Aug. 14.
 MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gauge for fastening-inserting machines. 1,972,101; Sept. 4.
 MacKenzie, L. R., Incorporated. (See MacKenzie, Leon R., assignor.)
 MacKenzie, Leon R., Des Moines, Iowa, assignor to L. R. MacKenzie Incorporated, Tulsa, Okla. Surfacing roadways. 1,955,077; Apr. 17.
 MacKenzie, Neal T., assignor to General Timber Service, Inc., St. Paul, Minn. Chock block. 1,959,299; May 15.
 MacKenzie, Russell E., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,943,082; Jan. 9.
 Mackert, Albert A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock device. 1,984,887; Dec. 18.
 Mackert, Albert W., Lakewood, assignor to The Ohio Foundry Co., Cleveland, Ohio. Hollow article and enameling it. 1,978,213; Oct. 23.
 Mackey, Stuart J. (See Henry, W. S., and Mackey.)
 Mackie, Charles H., assignor of one-half to A. L. Merolle, Brooklyn, N. Y. Cigarette package. 1,955,646; Apr. 17.
 Mackie, Charles H., assignor of one-half to A. L. Merolle, Brooklyn, N. Y. Dispensing package for cigarettes. 1,963,025; June 12.
 Mackie-Lovejoy Manufacturing Company. (See Deknatel, Frederick H., assignor.)
 Mackin, Jerome, New York, N. Y. Signal means for taximeters. 1,952,722; Mar. 27.
 MacKinnon, George V., Elkins Park, assignor to John B. Stetson Company, Philadelphia, Pa. Hat making apparatus. 1,958,857; May 15.
 MacKinnon, Margaret D., Hollywood, Calif. Cooky. Des. 91,491; Feb. 13.
 Mackintosh, Donald C., Schenectady, N. Y., assignor to General Electric Company. Machine tool. 1,977,341; Oct. 16.
 Mackintosh-Hemphill Company. (See Ditges, William L., assignor.)
 Mackintosh, William B., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Thermostat control for radiators. 1,974,680; Sept. 25.
 MacKirdy, William, Windsor, Ontario, Canada. Power unit for vehicles. 1,951,428; Mar. 20.
 MacLain, Dick R. (See Simmonds, Herman, Jr., assignor.)
 Macklanburg, Louis A., Oklahoma City, Okla. Weather-strip. 1,947,349; Feb. 13.
 Macklanburg, Louis A., Oklahoma City, Okla. Securing means for weather strips. 1,947,350; Feb. 13.
 Macklanburg, Louis A., Oklahoma City, Okla. Packing, displaying, and dispensing device. 1,947,351; Feb. 13.

- MacKlanburg, Louis A., Oklahoma City, Okla. Weather stripping. 1,947,352; Feb. 13.
- Mackler, May. (See Kurnick, Abraham, assignor.)
- MacLachlan, Andrew D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making hose. 1,969,227; Aug. 7.
- MacLachlan, Andrew D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hose and making the same. 1,974,285; Sept. 18.
- MacLachlan, John C., Minneapolis, Minn., assignor to G. D. Kimball, Chicago, Ill. Spraying head. 1,962,781; June 12.
- MacLachlan, John D., assignor to Mac Ad Company, Kansas City, Mo. Heavy fluid eliminator. 1,948,180; Feb. 20.
- MacLachlan, John D., assignor to Mac Ad Company, Kansas City, Mo. Universal electric motor. 1,960,542; May 29.
- MacLachlan, John D., assignor to Mac Ad Company, Kansas City, Mo. Fluid pressure advertising display device. 1,975,469; Oct. 2.
- MacLaren, Fred B., Malba, N. Y., assignor, by mesne assignments, to Revelation Patents Holding Company. Increasing the power output of a thermionic tube. 1,959,540; May 22.
- MacLaren, Frederick H., Calumet City, assignor to Standard Oil Company, Chicago, Ill. Pour test depressor. 1,963,917; June 19.
- MacLaren, Frederick H., Calumet City, assignor to Standard Oil Company, Chicago, Ill. Pour point depressor. 1,963,918; June 19.
- MacLaren, James G., San Francisco, Calif., assignor to G & G Atlas Systems, Inc., New York, N. Y. Power saving valve. 1,982,220; Nov. 27.
- MacLaurin, John, Ware, Mass. Decalcomania paper. 1,951,620; Mar. 20.
- MacLean, Allen D. (See Parker, W. H., Seibert, and MacLean.)
- MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Dynamic flow control method and apparatus. 1,941,701; Jan. 2.
- MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Gas meter. 1,961,299; June 5.
- MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Pressure regulator for gas refrigerator pilot lights. 1,984,592; Dec. 18.
- MacLean, Andrew K. (See Lowe, N. C., and MacLean.)
- MacLean, Donald, Brakpan, Transvaal, Union of South Africa. Separator or classifier for ore pulp and the like. 1,969,619; Aug. 7.
- MacLean-Fogg Lock Nut Company. (See MacLean, John A., assignor.)
- MacLean-Fogg Lock Nut Co. (See Rowe, Lawrence A., assignor.)
- MacLean, Gordon, Flushing, assignor to The Turbo-Mixer Corporation, New York, N. Y. Fluid treating apparatus. 1,976,955; Oct. 16.
- MacLean, Gordon, Flushing, assignor to The Turbo-Mixer Corporation, New York, N. Y. Treatment of liquids with gases. 1,976,956; Oct. 16.
- MacLean, John A., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Bolt. 1,946,800; Feb. 13.
- MacLean, John A., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Bolt. 1,953,305; Apr. 3.
- MacLean, John A., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Water-tight bolt. 1,955,924; Apr. 24.
- MacLean, John A., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Floor securing device. 1,978,642; Oct. 30.
- MacLean, Lauchlan, Jacksonville, Fla. Drill socket construction. 1,969,654; Aug. 7.
- Maclean, Robert, Michigan City, Ind., assignor to Amalgamated Roofing Company, Chicago, Ill. Roofing. 1,982,679; Dec. 4.
- Maclear, Lucile J., assignor to Van Raalte Company, Inc., New York, N. Y. Stocking. Des. 92,543; June 19.
- MacLennan, Frank W., Miami, Ariz. Classifier. 1,977,195; Oct. 16.
- MacLennan, John, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming brake drums. 1,943,224; Jan. 9.
- MacLeod, Daniel T., assignor to Perfex Corporation, Milwaukee, Wis. Unit heater. 1,953,118; Apr. 3.
- Macloed, Keith, Brookline, assignor to F. E. Berry, Jr., & Co. Inc., Boston, Mass. Wall or ceiling construction. 1,984,028; Dec. 11.
- MacMillan, Charles W., Boston, Mass. Ink bottle pen filling protector. Re19,061; Jan. 23.
- MacMillin, Howard F. (See Benedek, E. K., and MacMillin.)
- MacMullin, Robert B. (See Cunningham, G. L., MacMullin, and McCready.)
- MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of water soluble metal carbamates. 1,942,610; Jan. 9.
- MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of magnesium chloride. 1,951,160; Mar. 13.
- MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Concentration of sodium hydroxide. 1,961,590; June 5.
- MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of alkali metal carbamates. 1,969,516; Aug. 7.
- MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Double carbonates of sodium and ammonium. 1,980,691; Nov. 13.
- MacMullin, Robert B., and W. K. McCready, Niagara Falls, assignors to The Mathieson Alkali Works Inc., New York, N. Y. Production of carbamates of the alkali-forming metals. 1,983,041; Dec. 4.
- MacNab, Oscar, Evanston, Ill., assignor to Wooster Products, Inc., Wooster, Ohio. Securing floor edging strips. 1,958,274; May 8.
- MacNab, Oscar, Chicago, Ill.; S. S. Brojdo, Lynbrook, N. Y., C. E. Loehr, Wooster, Ohio; F. W. Barry, Pittsburgh, Pa.; and W. R. Chamberlin, Waukegan, Ill., assignors to Wooster Products Inc., Wooster, Ohio. Two-piece interlocking trim. 1,977,073; Oct. 16.
- Macneil, Frederick H., Boston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Cell-type switch having raising and lowering mechanism therefor. 1,944,092; Jan. 16.
- Macneil, Paul H., Huntington, N. Y. Angle determining instrument. 1,944,897; Jan. 30.
- MacNeill, Harris L., Waltham, Mass. Safety razor. 1,944,356; Jan. 23.
- MacNicoll, Donald, Cardonald, near Glasgow, Scotland. Safety valve installation for steam generators. 1,980,591; Nov. 13.
- MacNutt, Arthur D., York, Pa., assignor to Certain-Teed Products Corporation, New York, N. Y. Roofing. 1,963,752; June 19.
- Macomber, Glen. (See Ferris, W., and Macomber.)
- Macomber, Stanley, Edgefield District, Ohio. Structural unit. 1,969,812; Aug. 7.
- Macomic, Chester A. (See Rhoads, J. E., and White, assignors.)
- Macomic, Chester A. (See White, George H., assignor.)
- Maconaghie, Hugh A., Herrin, Ill. Car coupler. 1,985,379; Dec. 25.
- Macondray, Atherton, and M. Smellow, U. S. Navy. Safety seal. 1,969,757; Aug. 14.
- Macotta Unit Corporation, The. (See Maul, Peter J., assignor.)
- Macourek, Jerry F., assignor to G. W. Snyder, Columbus, Ohio. Cabinet for a mechanical game and vending apparatus or similar article. Des. 93,497; Oct. 2.
- MacPherson, Earle S., assignor of one-half to Hupp Motor Car Corporation, Detroit, Mich., and one-half to Societe pour l'Exploitation des Brevets, Gadoux, Paris, France. Cylinder head assembly for internal combustion engines. 1,941,947; Jan. 2.
- MacPherson, Earle S., Grosse Pointe Park, assignor to Hupp Motor Car Corporation, Detroit, Mich. Independent wheel suspension. 1,944,441; Jan. 23.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Front end construction. 1,947,787; Feb. 20.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Lubricating system. 1,948,929; Feb. 27.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Front end construction for vehicles. 1,955,968; Apr. 24.
- MacPherson, Hugh D., West New Brighton, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone system. 1,943,130; Jan. 9.
- MacQuigg, Charles E., Flushing, N. Y., assignor to Electro Metallurgical Company. Alloy steel railway track member. 1,974,115; Sept. 18.
- MacRae, Frederick A. (See Trevisan, D. A., and MacRae.)
- Macready, George A., Los Angeles, Calif. Decomposing ores. 1,941,609; Jan. 2.
- Macready, George A., Los Angeles, Calif. Decomposing ores. 1,941,610; Jan. 2.
- Macready, John A., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,957,280; May 1.
- Macready, John A., and W. H. Matthews, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,948,587; Feb. 27.
- MacRill, John R., Whittier, and F. H. Walker, Pasadena, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Process and machine for treating citrus fruit. 1,970,861; Aug. 21.
- MacStocker, Francis B., Berkeley, Calif. Precision golf instructor. 1,960,787; May 29.
- MacSweeney, Joseph P., assignor to Samson-United Corporation, Rochester, N. Y. Fastening means for electric heating pads. 1,975,329; Oct. 2.
- Macwhyte Company. (See Kinder, Halsey G., assignor.)
- MacWilliam, Hugh G., Hollywood, Calif. Building construction. 1,962,514; June 12.
- Macy, Frank, Converse, Ind. Preparing and applying fibrous covers to bottles and the like. 1,960,248; May 29.
- Madan, Edward K., Maplewood, N. J. Combination deodorizer and dehumidifier. 1,950,502; Mar. 13.
- Madan, Edward K., Maplewood, N. J. Liquid trap or seal and making the same. 1,977,885; Oct. 23.
- Madden, Abram P. (See Axelsson, Nils R., assignor.)
- Madden, Frank A., Salina, Kans. Vending machine. 1,952,447; Mar. 27.

- Madden, Harry M. (See Stinsman, Edgar S., assignor.)
Madden, Leland S., Pleasantville, N. J. Portable desk top. 1,942,340; Jan. 2.
Madden, William J., Lansdowne, Pa. Portable air cooling apparatus. 1,943,127; Jan. 9.
Madden, William J., Lansdowne, Pa. Portable air cooling apparatus. 1,943,128; Jan. 9.
Madden, William J., Lansdowne, Pa. Spacing member for multiple ducts. 1,959,633; May 22.
Madden, William J., Lansdowne, Pa. Apparatus for cooling inclosures. 1,975,165; Oct. 2.
Madden, William J., Lansdowne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Refrigerator container. 1,980,070; Nov. 6.
Maddigan, Arthur G., assignor to Every Point Guaranteed Lubricating System, Inc., Buffalo, N. Y. Lubricating apparatus. 1,963,919; June 19.
Maddigan, Arthur G., and R. E. Rousseau, assignors to Every Point Guaranteed Lubricating System, Inc., Buffalo, N. Y. Apparatus and method for lubricating vehicles. 1,963,920; June 19.
Maddigan, Arthur G., H. E. Nehin, and R. E. Rousseau, Buffalo, N. Y.; said Nehin and said Rousseau assignors to said Maddigan. Lubrication indicator. 1,977,342; Oct. 16.
Maddin, Fred V., Tulsa, Okla. Theft prevention device. 1,984,590; Dec. 18.
Maddock, Robert H. (See Thoms, R. H., and Maddock.)
Maddock, Robert H., and A. W. Knudsen, assignors to Midland Steel Products Company, Cleveland, Ohio. Vehicle frame. 1,953,620; Apr. 3.
Madeira, John R., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding head for reciprocating or jiggling conveyers. 1,944,357; Jan. 23.
Madeira, William T., assignor to K-D Manufacturing Company, Lancaster, Pa. Locking means. 1,978,543; Oct. 30.
Mader, Joseph, assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Agricultural implement. 1,969,023; Aug. 7.
Madge, Evelyn W. (See Lane, F. H., Madge, and Murphy.)
Madge, Evelyn W., Erdington, Birmingham, assignor to Dunlop Rubber Company, Limited, Birmingham, England. Making a rubber article. 1,945,055; Jan. 30.
Madge, Evelyn W., Stockland Green, Birmingham, England, assignor to Dunlop Rubber Company Limited. Article of rubber and making it. 1,980,813; Nov. 13.
Madge, Evelyn W., and A. N. Ward, Erdington, Birmingham, assignors to Dunlop Rubber Company, Limited, London, England. Making porous rubber products. 1,956,156; Apr. 24.
Madge, Evelyn W., Erdington, and A. N. Ward, Bordesley Green, assignors to Dunlop Rubber Company Limited, Birmingham, England. Manufacture of goods of or containing rubber or similar material. 1,985,045; Dec. 18.
Madge, Norman G., Providence, R. I., and A. W. Keen, Passaic, N. J., assignors to National India Rubber Company, Providence, R. I. Method and apparatus for the manufacture of rubber thread. 1,978,803; Oct. 30.
Madigan, Patrick J., Chicago, Ill. Mail handling and delivering system. 1,953,967; Apr. 10.
Madison, John O., Brooklyn, N. Y., assignor to Chillingworth Manufacturing Company, Jersey City, N. J. Wheel flange and rail lubricator. 1,978,906; Oct. 30.
Madison-Kipp Corporation. (See Erickson, John E., assignor.)
Madison-Kipp Corporation. (See Korsmo, Torbjorn C., assignor.)
Madison-Kipp Corporation. (See Schultz, Raymond J., assignor.)
Madison, Peter K., Oak Harbor, Ohio. Knockdown container. 1,956,802; May 1.
Madison, Peter K., Oak Harbor and R. D. Smith, Helena, Ohio. Basket handle. 1,959,273; May 15.
Madore, Arthur H., Los Angeles, Calif. Hair shaping attachment. 1,975,528; Oct. 2.
Madrak, Frank, Duryea, Pa. Fishing tackle accessory unit. 1,945,446; Jan. 30.
Madress, Frank P., and M. M. Counterman, Kalamazoo, Mich. Tightening support for water pumps. 1,951,288; Mar. 13.
Madri, Peter, Ozone Park, N. Y. Hinge. Des. 92,099; Apr. 24.
Madri, Peter, Ozone Park, N. Y. Hinge. Des. 92,100; Apr. 24.
Madro, George, Cleveland, Ohio. Cleanout for stove pipes or elbows. 1,943,482; Jan. 16.
Madsen, Andrew, Stillwater, Minn. Sprayer. 1,983,627; Dec. 11.
Madsen, Carl J., assignor of one-half to D. M. Alred, Indianapolis, Ind. Lawn mower sharpening means. 1,968,609; July 31.
Madsen Iron Works. (See Madsen, Martin, assignor.)
Madsen, Martin, assignor to Madsen Iron Works, Huntington Park, Calif. Air purifying device. 1,977,074; Oct. 16.
Madsen, Niels C., Videbaek, Denmark. Vehicle lamp. 1,976,240; Oct. 9.
Madsen, Peter, Huntington Park, Calif. Revolvable stool. 1,942,033; Jan. 2.
Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Window frame construction. 1,947,094; Feb. 13.
Madsen, Sern, assignor, by mesne assignments, to G. L. and E. J. Curtis, and C. A. Armstrong, Clinton, Iowa, trustees. Auxiliary sash construction. 1,952,018; Mar. 20.
Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Cutter head bit clamp. 1,968,496; July 31.
Madson, Amos, Pontiac, Ill., assignor, by mesne assignments, to Double Stitch Welt Shoe Corporation of Delaware. Shoe. 1,957,424; May 1.
Madson, Harold R. (See Neher, A., and Madson.)
Maebius, Kenneth W. (See Engelhard, W. E., and Maebius.)
Maede, Leland S., Brooklyn, N. Y. Method and apparatus for roasting coffee. Re19,390; Dec. 4.
Maeder, Frederic, Adelaide, South Australia, Australia. Device for use in waving or curling the hair. 1,941,948; Jan. 2.
Maertens, Karl, Berlin-Charlottenburg, T. Kopczynski, Finkenkrug, near Spandau, W. Reichel, Berlin-Lankwitz, and P. Weber, Berlin-Charlottenburg, Germany, assignors to Westinghouse Electric & Manufacturing Company. Motor control system. 1,962,316; June 12.
Maffei, Giacomo, assignor to the firm S. A. Ledoga Prodotti Chimici e Farmaceutici, Milan, Italy. Quinoline compounds. 1,972,270; Sept. 4.
Maffia, Anthony J., Brooklyn, N. Y. Flux for silver-soldering stainless steel. 1,968,841; Aug. 7.
Magalis, Curtis J., McGaheysville, Va. Aeroplane. 1,968,497; July 31.
Magazine Repeating Razor Company. (See Casselman, Elbridge J., assignor.)
Magazine Repeating Razor Company. (See Lashar, Walter B., assignor.)
Magazine Repeating Razor Company. (See Rodrigues, Octavio V., assignor.)
Magdeburger, Edward C., Washington, D. C. Elastic power transmitting device. 1,981,870; Nov. 27.
Mage, Joseph, Brussels, Belgium, assignor to "Intertrust" Compagnie Generale de Distillation et Cokefaction a Basse Temperature et Miniere, Societe Anonyme, Glaris, Switzerland. Retort oven. 1,968,896; Aug. 7.
Magee Carpet Company, The. (See Penman, Montgomery B., assignor.)
Magee Carpet Co., The. (See Penman, M. B., and McCollum, assignors.)
Magee, Harry L., assignor to Bloomsburg Flying Club, Bloomsburg, Pa. Emblem. Des. 93,119; Aug. 21.
Magee, William C. (See Barraja-Frauenfelder, J., Magee, Thomas, and Krug.)
Mageoch, Harry Y., assignor to Electric Service Supplies Company, Philadelphia, Pa. Reflector mounting. 1,975,282; Oct. 2.
Maggart, Roy W., Hamilton, Ohio. Smoothing roll in paper machines. 1,944,093; Jan. 16.
Magid, Harry M., Chicago, Ill. Frame. 1,942,437; Jan. 9.
Magidson, Frank, Pittsburgh, Pa., assignor to Pittsburgh Tag Company. Tag and fastener making machine. 1,967,059; July 17.
Magidson, Frank, assignor to Pittsburgh Tag Company, Pittsburgh, Pa. Inker for marking machines. 1,982,473; Nov. 27.
Magill, Donald G., Winnetka, Ill., assignor to American Can Company, New York, N. Y. Opening device. 1,959,378; May 22.
Magin, Rudolph, Lebanon, Ohio. Gas burner control unit. 1,962,251; June 12.
Magis, Auguste, Paris, France. Device for fixing glasses. 1,973,644; Sept. 11.
Magis, Auguste, and A. Huet, Paris, France, assignors to The Superheater Company, New York, N. Y. Feed water heater. 1,942,179; Jan. 2.
Magis, Auguste, and A. Huet, Paris, France, assignors to The Superheater Company, New York, N. Y. High pressure locomotive boiler. 1,952,932; Mar. 27.
Magnani, Alessandro, Broni, Italy. Obtaining hollow bodies formed of plastic materials. 1,974,337; Sept. 18.
Magnavox Company, The. (See Hall, William B. F., assignor.)
Magnavox Company, The. (See Pridham, Edwin S., assignor.)
Magnavox Company, The. (See Tolerton, Ray E., assignor.)
Magnavox Company, The. (See Tyzzer, Howard J., assignor.)
Magenat, René P., assignor to The Waterbury Button Company, Waterbury, Conn. Self-shank button. 1,967,958; July 24.
Magnesium Development Corporation. (See Bothmann, Hans, assignor.)
Magnesium Development Corporation. (See Brown, Robert H., assignor.)
Magnesium Development Corporation. (See Michel, Josef M., assignor.)
Magnesium Development Corporation. (See Paine, Roy E., assignor.)
Magnesium Development Corporation. (See Player, Edward.)
Magnesium Development Corporation. (See Staib, K., and Moschel, assignors.)
Magnesium Development Corporation. (See Wagner, Karl F., assignor.)
Magnesium Development Corporation. (See Wood, Robert T., assignor.)

- Magnesium Products Co. Ltd., The. (See Camescasse, Pierre, assignor.)
- Magnesium Products, Inc. (See Kemmer, Frank R., assignor.)
- Magness, Laurance F., Baltimore, Md. Motor fuel. 1,954,939; Apr. 17.
- Magnetic Analysis Corporation. (See Hehn, Waldemar L., assignor.)
- Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)
- Magnetic Signal Co. (See Kingsley, George E., assignor.)
- Magnetic Signal Co. (See Richards, Daniel W., assignor.)
- Magnetti, Frank. (See Gallucci, Mary C., assignor.)
- Magney, Gottlieb R., Minneapolis, Minn. Humidifier having conduits with return bends. 1,943,897; Jan. 16.
- Magnolia Petroleum Company. (See Anderson, J. L., and Wells, assignors.)
- Magnus, Elmer G., Chicago, Ill. Type-tie. 1,977,800; Oct. 23.
- Magnus, Hans, Au, near Freiburg, Germany. Apparatus for treating hydrocarbons. 1,948,072; Feb. 20.
- Magnuson, Charles W., Worcester, Mass. Fastener. 1,958,759; May 15.
- Magnuson, Roy M., assignor to Food Machinery Corporation, San Jose, Calif. Piston. 1,977,075; Oct. 16.
- Magoon, Benjamin H., El Paso, Tex. Radio device. 1,953,002; Mar. 27.
- Magor Car Corporation. (See Cartzdafner, Roy E., assignor.)
- Magos, John P. (See Olson, C. A., and Magos.)
- Magos, John P. (See Olson, C. A., Magos, and McRae.)
- Magoun, George L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber. 1,946,704; Feb. 13.
- Magowan, Alexander, Castleford, England. Vaporizer, liquid fuel burner, and the like. 1,965,465; July 3.
- Magrath, George H., Whitinsville, Mass. Bobbin. 1,952,764; Mar. 27.
- Magrath, George H., Whitinsville, Mass. Bobbin. 1,972,784; Sept. 4.
- Magrath, Joseph, Utica, assignor to Creo-Dipt Company, Inc., North Tonawanda, N. Y. Making asbestos siding in imitation of brick. 1,959,960; May 22.
- Magruder, Willett C., Jr., assignor to Carter Carburetor Corporation, St. Louis, Mo. Surface treatment for zinc base alloys. 1,967,715; July 24.
- Maguire, Arthur H., Atlantic, Mass. Open window sash lock. 1,960,543; May 29.
- Maguire, Emma L. and E. S. Tracy, St. Louis, Mo. Bottle container or holder. 1,980,416; Nov. 13.
- Maguire, James F. (See Bonney, R. D., and Maguire.)
- Maguire, Walter W., Watertown, Mass. Merchandise display fixture. Des. 91,717; Mar. 13.
- Magyar Ruggyantaárugár Részvénytársaság. (See Kelemen, L., and Keleti, assignors.)
- Magyar Ruggyantaárugár Részvénytársaság. (See Somogyi, Andrew, assignor.)
- Magyar Ruggyantaárugár Részvénytársaság. (See Turchányi, Ladislas, assignor.)
- Mahan, Alton, Rydal, Ga. Flow. 1,965,927; July 10.
- Mahan, John E., et al. (See King, George W., assignor.)
- Mahan, Joseph R., assignor to The National Supply Company, Toledo, Ohio. Casing head. 1,943,799; Jan. 16.
- Mahan, Joseph R., assignor to The National Superior Company, Toledo, Ohio. Beam hanger. 1,982,615; Nov. 27.
- Mahan, Leonard D., Scarsdale, assignor of one-half to J. Consorte, Brooklyn, N. Y. Resilient body. 1,959,104; May 15.
- Mahana, Charles G., Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill. Vehicle control. 1,983,628; Dec. 11.
- Mahle, Ernst, Stuttgart, Germany. Piston. 1,979,335; Nov. 6.
- Mahler, Eugene, and E. Rossbach, Columbus, Ohio. Floor construction. 1,944,292; Jan. 23.
- Mahler, George T. (See Ginder, P. M., Mahler, and Cyr.)
- Mahler, William, assignor to U. S. Slicing Machine Company, La Porte, Ind. Method of and apparatus for slicing bacon. 1,976,823; Oct. 16.
- Mahlstedt, John F. (See Journey, Clarence E., assignor.)
- Mahlstedt, Henry, Waterbury, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Chromium plating. 1,967,716; July 24.
- Mahmourian, Helen P., Beechhurst, N. Y. Appliance for facial treatment. 1,970,013; Aug. 14.
- Mahn, Herbert. (See Börner, K., Rossner, Mahn, and Irion.)
- Mahn, Herbert. (See Gajewski, F., Fink, Rossner, and Mahn.)
- Mahon, Harold W., assignor of one-tenth to H. L. Chapin and one-tenth to Jack Epling, Portland, Ore. Lock. 1,950,503; Mar. 13.
- Mahon, R. C., Company, The. (See Bingman, Frederick P., assignor.)
- Mahoney, Aloysius L. (See Linstrom, P. J., and Mahoney.)
- Mahoney, John C., Elizabeth, N. J., assignor to Alco Products, Incorporated, New York, N. Y. Apparatus for condensing hydrocarbons. 1,947,863; Feb. 20.
- Mahoney, John P., assignor to Bendix Brake Company, South Bend, Ind. Brake connection. 1,947,914; Feb. 20.
- Mahoney, John P., assignor to Bendix Brake Company, South Bend, Ind. Brake drum and making same. 1,954,532; Apr. 10.
- Mahoney, John P., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,961; Nov. 27.
- Mahoney, William F., assignor to Indianapolis Reed Company, Incorporated, Indianapolis, Ind. Lawn vase. Des. 91,362; Jan. 16.
- Mahoney, William H., Hingham, Mass. Mail box pedestal. Des. 92,913; July 31.
- Mahoning Savings & Trust Company. (See Lee, George E., assignor.)
- Mahony, William J., Hartford, Conn. Beater. 1,966,352; July 10.
- Mahr Manufacturing Company. (See Nordenson, Arnold J., assignor.)
- Maiden Form Brassiere Co. Inc. (See Rosenthal, William, assignor.)
- Maier, Albert, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Germany. Change speed gear. 1,971,045; Aug. 21.
- Maier, August R., assignor to Oil Well Supply Company, Dallas, Tex. Well pumping apparatus. 1,958,518; May 15.
- Maier, August R., assignor to Oil Well Supply Company, Dallas, Tex. Twin crank pumping unit. 1,972,660; Sept. 4.
- Maier, Charles G., Berkeley, Calif. Zinc refining process. 1,961,424; June 5.
- Maier, Charles G., Berkeley, Calif., assignor of one-fourth to R. S. Dean, Washington, D. C., and one-fourth to H. A. Doerner, Reno, Nev. Reducing sulphur compounds to elementary sulphur or hydrogen sulphide. 1,941,702; Jan. 2.
- Maier, Charles G., Berkeley, Calif., assignor of one fourth to R. S. Dean, Washington, D. C., and one fourth to H. A. Doerner, Reducing zinc ores. 1,961,425; June 5.
- Maier, Charles G., Berkeley, assignor to T. B. Swift, Martinez, Calif. Preparing ores for reduction. 1,971,112; Aug. 21.
- Maier, George M., Detroit, Mich. Radiator section. Des. 94,155; Dec. 25.
- Maier, George M., Pelham, assignor to American Radiator Company, New York, N. Y. Hot water heating apparatus. 1,961,231; June 5.
- Maier, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Machine for simultaneously forming independent stitched seams. 1,947,299; Feb. 13.
- Maier, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Method of and machine for edging pile fabrics. 1,961,979; June 5.
- Maier, Karl, Berlin-Charlottenburg, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Magnetic body and making same. 1,974,079; Sept. 18.
- Maier, Mary, Tucson, Ariz. Brassière. 1,971,113; Aug. 21.
- Maier, Wilbur F., Newark, N. J. Ribbon pad. 1,985,790; Dec. 25.
- Maigret, André, Paris, France. Cover for culinary utensils. 1,968,950; Aug. 7.
- Mailey, Roy D., East Orange, N. J., assignor to General Electric Vapor Lamp Company. Reaction chamber. 1,969,655; Aug. 7.
- Main, Amos L., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Clamp nut device. 1,966,414; July 10.
- Main, Andrew, assignor, by mesne assignments, to Cleveland Fare Box and Four-Way Lock Co., Cleveland, Ohio. Lock mechanism. 1,979,805; Nov. 6.
- Main, Emanson E., Indianapolis, Ind. Spark plug. 1,961,240; June 5.
- Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,971,864; Aug. 28.
- Main, Willard F., Cedar Rapids, Iowa. Vending machine. Des. 92,914; July 31.
- Maine Electric Company, The. (See Phillips, James B., assignor.)
- Mains, Gerald H., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hydraulic press. 1,942,251; Jan. 2.
- Mains, Gerald H., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Producing molded laminated material. 1,959,762; May 22.
- Mains, Gerald H., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coating composition. 1,976,572; Oct. 9.
- Maintenance Equipment Company. (See Bates, Harry B., assignor.)
- Maintenance Equipment Company. (See Overmier, E., and Rodman, assignors.)
- Mainwaring, John N., assignor to White Cable Limited, Liverpool, England. Binder clip. 1,965,554; July 3.
- Mainzer, Berthold, Heppenheim, Germany. Adjustable waistband. 1,965,315; July 3.
- Mair, Eleanor, New York, N. Y. Dress. Des. 93,936; Nov. 27.
- Mair, Eleanor, New York, N. Y. Dress. Des. 93,937; Nov. 27.
- Mair, John E., Mars, Pa., assignor to National Electric Products Corporation, New York, N. Y. Grounding device for electrical wiring systems. 1,941,905; Jan. 2.
- Maisel, Lorenz, assignor, by mesne assignments, to Eureka Machinery Company (Limited) Trust Estate, Chicago, Ill. Journal ball bearing. 1,976,078; Oct. 9.
- Maish, Morton C., Cincinnati, Ohio. Guard. 1,944,752; Jan. 23.

- Maister, Hanns G., Freising, Germany. Producing calcium butyrate. 1,951,250; Mar. 13.
- Maiuri, Guido, London, England, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Absorption refrigerating system. 1,949,651; Mar. 6.
- Maiuri, Guido, assignor to Maiuri Refrigeration Patents Limited, Aldwych, London, England. Apparatus for the production of liquid and solid carbon dioxide. 1,974,681; Sept. 25.
- Maiuri, Guido, and R. F. Bossini, London, England, assignors, by mesne assignments, to Electrolux Servel Corporation. Refrigeration. 1,960,821; May 29.
- Maiuri Refrigeration Patents Limited. (See Maiuri, Guidi, assignor.)
- Majer, Carl T. (See Kelly, J. B., and Majer.)
- Majestic Company, The. (See Redrup, Will D., assignor.)
- Majestic Company, The. (See Stevens, Robert W., assignor.)
- Majestic Metal Specialties, Inc. (See Kasdan, N., and Pollack, assignors.)
- Majestic Rolling Door Company. (See Smurr, Samuel P., assignor.)
- Major Car Corporation. (See Gartzdaffner, Roy E., assignor.)
- Major, Cleophas, St. Leon, Manitoba, Canada. Cultivating implement. 1,951,701; Mar. 20.
- Major, Frederick E. (See Milck, F. E., and Major.)
- Major, George D. (See Twigg, S. C., and Major.)
- Major, Milton, New York, N. Y., and H. H. Rennell, assignors to The C. O. Jelliff Mfg. Corp., Southport, Conn. Motion picture screen and making the same. 1,959,434; May 22.
- Major, Randolph T. (See Jones, L. W., and Major.)
- Major, Randolph T., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparing para-sec-alkyl aminophenols. 1,978,433; Oct. 30.
- Makely, Ralph G., West New Brighton, assignor to The Superheater Company, New York, N. Y. Feed water heater. 1,952,933; Mar. 27.
- Makenny, William, Mountain View, N. J., assignor to Westinghouse Lamp Company. Base feed and staking machine. 1,941,992; Jan. 2.
- Maker, Dewey L., Detroit, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Corporation. Hub cap mounting. 1,979,895; Nov. 6.
- Maki, Julius. (See Koplin, H., and Maki.)
- Makowski, John F., Oakland, Calif., assignor of one-half to Fireproof Wall Company. Mounting lathing material. 1,955,247; Apr. 17.
- Makowsky, Jacques, Paris, France. Receptacle. 1,948,794; Feb. 27.
- Malamud, Benjamin, New York, N. Y. Sadiron holder. 1,966,036; July 10.
- Malaspina, Jean A., Vitry-sur-Seine, France. Manufacture of molding sand, as used for making cores and flask molding, free and template moldings. 1,975,398; Oct. 2.
- Malaspina, Jean Amédée, Vitry-sur-Seine, France. Manufacture of molding sand, more particularly suitable for the confection of cores and stone bed molds. 1,975,399; Oct. 2.
- Malby, Seth G., Tenafly, N. J., assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Vibrator. 1,962,747; June 12.
- Malby, Seth G., Tenafly, N. J., assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Nonseizing article of aluminum and producing the same. 1,978,112; Oct. 23.
- Malcolm, James A. (See Rasch, W. G., and Malcolm.)
- Malcolm, Vincent T., Springfield, assignor to Chapman Valve Manufacturing Company, Indian Orchard, Mass. Case hardening steel. 1,961,520; June 5.
- Malcolm, Vincent T., Springfield, assignor to Chapman Valve Manufacturing Company, Indian Orchard, Mass. Hardening steel. 1,967,904; July 24.
- Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Apparatus for acting on chemical compounds. 1,975,063; Sept. 25.
- Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Treatment of ferrous metals. 1,975,064; Sept. 25.
- Malcolm, Walter R., Albany, N. Y. Chair and foot rest therefor. 1,947,212; Feb. 13.
- Malcom, Robert. (See Sachs, Henry M. E., assignor.)
- Malcom, Robert, Chicago, Ill. Mask. 1,960,544; May 29.
- Male, Gysbert V., Grand Rapids, Mich. Curtain stretcher. 1,949,061; Feb. 27.
- Malfet, Camiel, Paterson, N. J. Cloth drying apparatus. 1,948,767; Feb. 27.
- Malison, William M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Purification of hydrocarbon oils. 1,948,528; Feb. 27.
- Malisoff, William M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbons. 1,968,842; Aug. 7.
- Malisoff, William M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of sludge. 1,968,843; Aug. 7.
- Malisoff, William M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 1,972,102; Sept. 4.
- Malkin, Bernard A., Lachine, Quebec, Canada. Steam joint. 1,972,848; Sept. 4.
- Malkin, Bernard A., assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Slice assembly for paper machines. 1,961,771; June 5.
- Malkin, Bernard A., Lachine, Quebec, and F. McHenry, Beaupre, Quebec, Canada. Riding roller for paper making machines. 1,946,801; Feb. 13.
- Malkomes, Theodor, Barmen, Germany, assignor to the firm American Bemberg Corporation, Elizabethton, Tenn. Reel. 1,951,986; Mar. 20.
- Malkomes, Theodore, Doncaster, England, assignor to American Bemberg Corporation, New York, N. Y. Filament winding and treating. 1,955,719; Apr. 17.
- Malkomes, Walter, Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Zinc distillation plant. 1,968,413; July 31.
- Malkovsky, Louis, Floral Park, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Cutting multi-dimensional cams. 1,977,194; Oct. 16.
- Mall, Arthur W., Chicago, Ill. Spindle connector. 1,943,980; Jan. 16.
- Mall, Arthur W., Chicago, Ill. Portable power tool. 1,971,790; Aug. 28.
- Mall, Arthur W., Chicago, Ill. Terrazzo grinding apparatus. 1,980,491; Nov. 13.
- Mallard, Alvin R., Goldsboro, N. C. Hood. 1,954,571; Apr. 10.
- Malleable Iron Fittings Company. (See Pickop, George B., assignor.)
- Malleable Iron Range Company. (See Hofferbert, Orrin, assignor.)
- Malleable Steel Range Manufacturing Co. (See Klute, Samuel, assignor.)
- Mallerin, Charles, Varcas, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose. Pl. Pt. 103; Sept. 18.
- Mallery, Arlington H., Columbus, Ohio. Construction for use in burning bricks. 1,956,803; May 1.
- Mallery, Ellis, Altadena, Calif. Mining streams. 1,984,802; Dec. 18.
- Mallet, Louis C. R., Paris, France. Connection for blasting fuses and using the same. 1,968,565; July 31.
- Mallette, Edna B., et al. (See O'Keefe, C. P., and Mallette, assignors.)
- Mallette, Lyle R. (See O'Keefe, C. P., and Mallette.)
- Mallick, Albert F., assignor of one-twelfth to J. R. Lineburg, Los Angeles, Calif. Boiler alarm gauge. 1,950,897; Mar. 13.
- Mallina, Rudolph F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph recording machine. 1,945,558; Feb. 6.
- Mallina, Rudolph F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound motion picture system. 1,963,753; June 19.
- Mallina, Rudolph F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration damping system for phonographs. 1,976,505; Oct. 9.
- Mallina, Rudolph F., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method of and apparatus for manipulating talking machine or phonograph records. 1,983,941; Dec. 11.
- Mallina, Rudolph F., Little Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording and reproducing machine. 1,979,113; Oct. 30.
- Mallinckrodt, Albert J., assignor to Baker Ice Machine Co., Inc., Omaha, Nebr. Method of and apparatus for circulating oil and refrigerating medium in refrigerating systems. 1,976,079; Oct. 9.
- Mallinckrodt, Armin A., Webster Groves, Mo. Electric fixture. 1,977,136; Oct. 13.
- Mallinckrodt Chemical Works. (See Mallinckrodt, E., Jr., and Farr, assignors.)
- Mallinckrodt, Edward, Jr., St. Louis, and H. V. Farr, Ferguson, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preserving ether. 1,961,936; June 5.
- Mallon, Hugh J., West New York, N. J. Amusement and training apparatus. 1,945,697; Feb. 6.
- Mallon, Hugh J., New York, N. Y. Aircraft training and sport apparatus. 1,945,698; Feb. 6.
- Mallory, Bonnie L., assignor to Gadget's, Inc., Cleveland, Ohio. Shock absorber casing. Des. 92,619; June 26.
- Mallory, Bonnie L., Cleveland Heights, assignor to The Cleveland Shock Absorber Company, Cleveland, Ohio. Shock absorber. 1,952,723; Mar. 27.
- Mallory, Edward B., Tenafly, N. J., assignor, by mesne assignments, to Lipman Patents Corporation, Chicago, Ill. Compression unit. 1,947,016; Feb. 13.
- Mallory, Gerald D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Making tires. 1,963,370; June 19.
- Mallory Hat Company, The. (See Joy, Fred T., assignor.)
- Mallory Hat Company, The. (See Reynolds, Ralph K., assignor.)
- Mallory, Marlon, Detroit, Mich., assignor to The Mallory Research Company, Toledo, Ohio. Carburetor attachment. 1,956,992; May 1.
- Mallory, Marlon, Detroit, Mich., assignor to The Mallory Research Company, Toledo, Ohio. Fuel saving valve. 1,963,628; June 19.
- Mallory, Marlon, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio. Ignition coil and distributor assembly. 1,976,178; Oct. 9.
- Mallory, Marlon, Detroit, Mich., assignor to The Mallory Research Company, Toledo, Ohio. Air inlet for internal combustion motors. 1,977,518; Oct. 16.

- Mallory, Marion, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio. Distributor. 1,984,275; Dec. 11.
- Mallory, Marion, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio. Distributor. 1,984,276; Dec. 11.
- Mallory, Marion, Detroit, Mich., assignor to The Mallory Research Company, Toledo, Ohio. Mounting for circuit breakers. 1,985,573; Dec. 25.
- Mallory, Marion, assignor to The Mallory Research Company, Toledo, Ohio. Air inlet device for automobile motors. 1,960,746; May 29.
- Mallory, Marion, Toledo, Ohio, assignor to The Mallory Research Company. Air inlet device for internal combustion motors. 1,961,062; May 29.
- Mallory, Marion, Toledo, Ohio, assignor to The Mallory Research Company. Automatic control device for ignition timers. 1,962,931; June 12.
- Mallory, Marion, Toledo, Ohio, assignor to The Mallory Research Company. Ignition governor. 1,967,445; July 24.
- Mallory, Marion, assignor to The Mallory Research Company, Toledo, Ohio. Air inlet device. 1,969,228; Aug. 7.
- Mallory, P. R., & Co. (See Gwyn, Childress B., Jr., assignor.)
- Mallory, P. R., & Co. (See Lear, W. P., and Nulsen, assignors.)
- Mallory, P. R., & Co. (See Mitchell, Donald H., assignor.)
- Mallory, E. R., & Co. (See Weiger, Joseph A., assignor.)
- Mallory, P. R. & Co., Incorporated. (See Fruth, Hal F., assignor.)
- Mallory, P. R., and Co., Incorporated. (See Sieger, George N., assignor.)
- Mallory, P. R., & Co., Incorporated. (See Weiger, J. A., and Williams, assignors.)
- Mallory, P. R. & Co., Incorporated. (See Williams, Joseph S., assignor.)
- Mallory Research Company. (See Mallory, Marion, assignor.)
- Mallory, Woody V., Richmond, Va. Flange greaser. 1,972,785; Sept. 4.
- Malloy, Frank J., Cleveland, Ohio, assignor to General Electric Company. Apparatus for removing coatings from wires or strips. 1,969,517; Aug. 7.
- Malluk, Assad M., assignor to Standard Lock and Measure Corporation, New York, N. Y. Protection means for tank closures. 1,965,777; July 10.
- Malm, Carl J. (See Clarke, Hans T., and Malm.)
- Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of mixed esters of cellulose. 1,946,632; Feb. 13.
- Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Highly flexible sheeting and preparing the same. 1,960,185; May 22.
- Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Production of cellulose esters and corresponding alkyl esters. 1,984,147; Dec. 11.
- Malm, Carl J., Rochester, N. Y., and C. E. Waring, Dayton, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose derivatives containing phosphorus. 1,962,827; June 12.
- Malm, Carl J., Rochester, N. Y., and C. E. Waring, Dayton, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose derivatives containing phosphorus. 1,962,828; June 12.
- Malm, Carl J., and C. E. Fordyce, assignors to Eastman Kodak Company, Rochester, N. Y. Production of mixed esters of cellulose in an ester of a halogenated fatty acid. 1,962,829; June 12.
- Malm, Carl J., and W. E. Fisher, assignors to Eastman Kodak Company, Rochester, N. Y. Reclamation of mixed organic acid esters of cellulose. 1,966,302; July 10.
- Malm, Carl J., and C. R. Fordyce, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of halogenated fatty acid esters of cellulose. 1,969,468; Aug. 7.
- Malm, Carl J., and C. R. Fordyce, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacturing plastic compositions. 1,973,493; Sept. 11.
- Malm, Frank S. (See Buckley, O. E., and Malm.)
- Malm, Frank S. (See Studt, E., Kemp, and Malm.)
- Malm, John C., and R. C. Walsh, assignors to California Consumers Company, Los Angeles, Calif. Room cooler. 1,972,231; Sept. 4.
- Malmberg, Clarence R., Boone, Iowa. Mechanical deodorizer. 1,978,467; Oct. 30.
- Malmberg, Clarence R., Boone, Iowa. Bedpan. 1,978,468; Oct. 30.
- Malmberg, Constantine F., Normal, Ill. Changeable exhibitor. 1,971,455; Aug. 28.
- Malmquist, Adolph K., South Bellingham, Wash., assignor to American Can Company, New York, N. Y. Can closing apparatus. 1,955,757; Apr. 24.
- Malmquist, Adolph K., South Bellingham, Wash., assignor to American Can Company, New York, N. Y. Canning. 1,980,417; Nov. 13.
- Malmstead, Lilyan, Worcester, Mass. Foundation garment. 1,955,306; Apr. 17.
- Malocsay, Francis X., Upper Saddle River, N. J., assignor, by mesne assignments, to Consolidated International Corporation. Cigar banding machine. 1,964,640; June 26.
- Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company, New York, N. Y. Banding machine. 1,981,366; Nov. 20.
- Malone, Homer E., Minneapolis, Minn. Doorlock. Des. 92,724; July 10.
- Malone, Lewis G. (See Phelps, A. W., and Malone.)
- Maloney, Francis C., Olean, N. Y. Wire connector. 1,955,005; Apr. 17.
- Maloney, George J., Rockford, Ill., assignor to The Colaire Engineering Company, Wichita, Kans. Insulating carrier for containers. 1,952,448; Mar. 27.
- Maloon, Earl B., assignor to Pacific Tractor Equipment Inc., Oakland, Calif. Tractor and auxiliary apparatus. 1,955,925; Apr. 24.
- Malott, Eryn E. (See Fries, S. W., and Malott.)
- Malowan, John E., Anniston, Ala., assignor to Swann Research, Incorporated. Production of mono and dichlor isomers of diphenyl. 1,951,577; Mar. 20.
- Malpass, Donald, Elkins Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 1,974,187; Sept. 18.
- Malsbary, Job F., Fresno, Calif. Milk can filler. 1,950,682; Mar. 13.
- Malsbary, Job F., Oakland, Calif. Lighter for gas burners. 1,950,683; Mar. 13.
- Maltbie Chemical Company, The. (See Fischelis, Robert P., assignor.)
- Maltner, Carl, Offenbach-on-the-Main, Germany. Friction lighter. 1,980,868; Nov. 13.
- Malvone, James, et al. (See Bocchicchio, Vincent, assignor.)
- Mamay, Fredrick, Glenwood Springs, Colo. Orange knife. 1,971,689; Aug. 28.
- Mamiya, Fusajiro, Los Angeles, Calif. Vehicle signal indicator. 1,981,274; Nov. 20.
- Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Sealed terminal for insulated cables. 1,956,534; Apr. 24.
- Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Splice for lead sheathed cables. 1,983,042; Dec. 4.
- Manak, John. (See Novotny, Charles W., assignor.)
- Manarik, Joseph A. (See Keith, W. G., and Manarik.)
- Manasek, Emil, Berwyn, Ill. Aircraft propeller. 1,947,560; Feb. 20.
- Manasek, Emil, Brookfield, Ill. Clamp. 1,963,908; June 19.
- Manaster, Ben B., Chicago, Ill. Cravat holder. Des. 92,851; July 24.
- Manaster, Ben B., Chicago, Ill. Cravat holder. Des. 93,028; Aug. 14.
- Manaster, Ben B., Chicago, Ill. Cravat holder. Des. 93,029; Aug. 14.
- Manaster, Ben B., Chicago, Ill. Cravat holder. Des. 93,030; Aug. 14.
- Manchester, Clyde C., assignor to The Ayling & Reichert Company, Toledo, Ohio. Float. 1,977,685; Oct. 23.
- Mancini, Ugo, Milan, Italy, assignor to Ruth-Aldo Company, Inc. Apparatus for making artificial silk. 1,952,877; Mar. 27.
- Mancini, Ugo, Milan, Italy, assignor to Ruth-Aldo Company Inc., New York, N. Y. Apparatus for spinning cellulose esters dissolved in volatile solvents. 1,962,605; June 12.
- Mancini, Ugo, Milan, Italy, assignor to Ruth-Aldo Company, Inc., New York, N. Y. Cell for use in spinning cellulose acetate in the dry process. 1,970,384; Aug. 14.
- Mandaville, Gurney L., Fort Pierce, Fla. Binocular. 1,949,022; Feb. 27.
- Mandelbaum, Malvin R., Elizabeth, assignor to The Gray Processes Corporation, Newark, N. J. Refining hydrocarbons. 1,965,105; July 3.
- Mandell Manufacturing Co. (See Davidson, Ellsworth L., assignor.)
- Mandes, James, Washington, D. C. Bottle. Des. 93,628; Oct. 16.
- Mandes, James, Washington, D. C. Bottle. Des. 93,938; Nov. 27.
- Mandl, Sigmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Socket wrench. 1,941,565; Jan. 2.
- Mandl, Sigmund, and E. M. Pfauter, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Coupling. 1,982,008; Nov. 27.
- Mandt, Overt G., assignor to The Jaeger Machine Company, Columbus, Ohio. Discharge chute for mixers. 1,946,222; Feb. 6.
- Manekin, Leonard, assignor to Marlboro Shirt Company, Baltimore, Md. Collar attached shirt. 1,982,527; Nov. 27.
- Maness, Leslie G., and A. H. Osgood, Portland, Oreg. Soil warming device and manufacturing same. 1,983,862; Dec. 11.
- Maney, John T., assignor to Vernon Tool Company, Ltd., Los Angeles, Calif. Method and apparatus for making tires. 1,960,822; May 29.
- Mangan, George B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High voltage fuse. 1,955,138; Apr. 17.
- Manganese Bronze & Brass Company, The. (See Selman, George S., assignor.)
- Mange, Frédéric, assignor to Societe Indo-Chinoise Forestiere et des Allumettes, Paris, France. Method and machine for manufacturing boxes such as match boxes. 1,985,180; Dec. 18.

- Manger, Charles F. (See Bentley, P. A., Manger, and Wainwright.)
- Mangham, Leonard, Masterton, and O. B. Cottrell, Wellington, New Zealand. Ticket issuing and change giving machine. 1,943,025; Jan. 9.
- Mangin, James, assignor to New Brunswick Electric Supply Company, New Brunswick, N. J. Ground clamp. 1,942,341; Jan. 2.
- Mangin, James, assignor to New Brunswick Electric Supply Company, New Brunswick, N. J. Ground clamp. 1,942,342; Jan. 2.
- Mangin, James, assignor to New Brunswick Electric Supply Company, New Brunswick, N. J. Knock-out for junction boxes and the like. 1,962,317; June 12.
- Mangold, Stefan, Vienna, Austria. Air-tight closed hollow body. 1,976,793; Oct. 16.
- Mangold, William B., Oak Park, and A. A. Rusteberg, Chicago, Ill. Heating system. 1,971,269; Aug. 21.
- Manheimer, Irving S., et al. (See Kraus, Joseph H., assignor.)
- Manheimer, Leo, St. Louis, Mo. Radiocabinet. Des. 91,891; Apr. 3.
- Manifold, Richard G. (See Ellington, W. T., and Manifold.)
- Manikowske, Ethel P. (See Manikowske, George, assignor.)
- Manikowske, George, assignor, by mesne assignments, to E. P. Manikowske, Minneapolis, Minn. Wind driven electric power generator with pumping attachment. 1,941,611; Jan. 2.
- Maniscalco, Pietro, Chicago, Ill. Heat exchanging device. 1,979,975; Nov. 6.
- Manischewitz, M. Co. (See Scheele, Edwin H., assignor.)
- Manitowoc Shipbuilding Corporation. (See Nickles, Edward B., assignor.)
- Mankinen, Jacob, Ashtabula, Ohio. Game apparatus. 1,977,519; Oct. 16.
- Manley Automatic Co., The. (See Manley, Job R., assignor.)
- Manley, Harry P. (See Warder, L. P., and Manley.)
- Manley, Job R., East Liverpool, assignor to The Manley Automatic Co., Youngstown, Ohio. Carbonator. 1,945,489; Jan. 30.
- Manley Manufacturing Company, The. (See Green, E. F., and Graham, assignors.)
- Manley Manufacturing Company. (See Manley, Robert E., assignor.)
- Manley, Robert E., assignor to The Manley Manufacturing Company, York, Pa. Hydraulic jack. 1,948,073; Feb. 20.
- Manley, Robert E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Separation of wax from hydrocarbon oils. 1,980,071; Nov. 6.
- Manley, Robert E., and H. H. Gross, Beacon, assignors to The Texas Company, New York, N. Y. Refining hydrocarbon oil. 1,971,753; Aug. 28.
- Manley, Robert E., and A. F. Knoss, Beacon, assignors to The Texas Company, New York, N. Y. Dehydrating oil. 1,972,454; Sept. 4.
- Manly Corporation. (See Centervall, Hugo A., assignor.)
- Mann, Allan M., trustee, et al. (See Tuchfarber, Frank, assignor.)
- Mann, Charles A., Albany, N. Y. Belt loop. 1,951,098; Mar. 13.
- Mann, Eben H., Buffalo, N. Y. Glass goblet or article of similar nature. Des. 93,120; Aug. 21.
- Mann, George S., Los Angeles, Calif. Adjustable pipe coupling. 1,974,780; Sept. 25.
- Mann, George S., Ipswich, England. Automatic gramophone. 1,979,276; Nov. 6.
- Mann, Joseph. (See Cooper, G. C., and Mann.)
- Mann, Joseph, Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Uncurler guide for sewing machines. 1,959,726; May 22.
- Mann, Joseph, Philadelphia, Pa., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Combined seaming and pinking machine. 1,962,022; June 5.
- Mann, Joseph, Philadelphia, Pa., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Fabric pinking or notching mechanism. 1,962,023; June 5.
- Mann, Joseph, Philadelphia, Pa., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Cutting pinks along the edges of the fabrics. 1,962,024; June 5.
- Mann, Leon. (See Gray, F. D., and Mann.)
- Mann, Leon, Mount Vernon, assignor to Hoted-Tite Packing Corporation, New York, N. Y. Packing for fragile articles. 1,967,037; July 17.
- Mann, Ned H., Los Angeles, Calif. Animated motion picture. 1,971,722; Aug. 28.
- Mann, Oscar F., Indianapolis, Ind. Safety razor. 1,945,117; Jan. 30.
- Mann, Oscar O., Otterbein, and J. W. Chenoweth, Lebanon, Ind. Machine for treating corn stalks. 1,982,680; Dec. 4.
- Mann, Paul L., assignor to Consolidated Wire and Associated Corporations, Chicago, Ill. Antenna for use with an automobile radioreceiver. 1,971,303; Aug. 21.
- Mann, Philip. (See Rothenberg, A., and Mann.)
- Mann, Ralph J. (See Ellis, G. H., and Mann.)
- Mann, Ralph J. (See Mellor, A., and Mann.)
- Mann, Walter J., Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada. Belt conveyor. 1,969,809; Aug. 14.
- Mann, William B. (See Talbot, Frank A., assignor.)
- Mann, William D., Highland Park, Ill. Building construction. 1,977,076; Oct. 16.
- Mann, William F., El Paso, Tex. Valve lock. 1,970,463; Aug. 14.
- Mannes, Leopold D., and L. Godowsky, jr., New York, N. Y. Making color photographs. 1,954,452; Apr. 10.
- Mannes, Leopold D., and L. Godowsky, jr., Rochester, N. Y. Photographic color process. 1,969,469; Aug. 7.
- Mannes, Leopold D., and L. Godowsky, jr., New York, N. Y. Color photography. 1,980,941; Nov. 13.
- Manneschmidt, Jacob, jr., Brooklyn, N. Y. Pressure-regulating device for a hot-water-heating system. 1,949,106; Feb. 27.
- Manning & Co. (See Anderson, Roy F., assignor.)
- Manning & Co. (See Snow, H. C., and Stone, assignors.)
- Manning & Company. (See Snow, H. C., and Harper, assignors.)
- Manning, Howard H., assignor to Champion De Arment Tool Company, Meadville, Pa. Pliers. Des. 94,156; Dec. 25.
- Manning, Howard H., assignor to Champion De Arment Tool Company, Meadville, Pa. Tool. 1,950,362; Mar. 6.
- Manning, J. Nelson, Shoe Mfg. Co. (See Patch, Roy N., assignor.)
- Manning, Margia. (See Humason, Granville A., assignor.)
- Manning, Margia. (See Humason, G. A., and Manning.)
- Manning, Margia, Houston, Tex. Relief valve. 1,966,675; July 17.
- Manning, Margia, assignor to The R. S. M. Company, Inc., Houston, Tex. Method and apparatus for cementing wells. 1,980,942; Nov. 13.
- Manning, Paul D. V. (See Peebles, D. D., Manning, and Potbury.)
- Manning, Mrs. S. E., administratrix. (See Manning, Sanford E.)
- Manning, Sanford E., deceased, by Mrs. S. E. Manning, administratrix, Houston, Tex. Cementing apparatus. 1,944,442; Jan. 23.
- Manning, Sanford E., deceased, by Mrs. S. E. Manning, administratrix, Houston, Tex. Apparatus and method of completing well. 1,944,443; Jan. 23.
- Manning, William H., Pontiac, Mich. Telephone support. 1,973,216; Sept. 11.
- Manning, Willis L., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Madison, Wis. Ventilator panel for windows. 1,954,017; Apr. 10.
- Mannington Mills, Incorporated. (See Karpf, Charles O., assignor.)
- Mannl, Rudolf, Karlsbad, Czechoslovakia. Adjusting device for X-ray tubes. 1,976,179; Oct. 9.
- Mano, John, Flushing, assignor, by mesne assignments, to Hilmanco Inc., New York, N. Y. Pipe joint. 1,960,249; May 29.
- Mano, John, Flushing, assignor to Hosnoler Corporation, New York, N. Y. Coating composition. 1,960,250; May 29.
- Mano, John, Flushing, assignor to Hosnoler Corporation, New York, N. Y. Coating composition. 1,960,251; May 29.
- Mano, John, Flushing, assignor to Hosnoler Corporation, New York, N. Y. Base for coating, cementing, molding, and the like compositions. 1,960,252; May 29.
- Mano, John, Flushing, assignor to Hosnoler Corporation, New York, N. Y. Antifouling, anticorrosive coating composition. 1,960,253; May 29.
- Manoil, Jack, Brooklyn, N. Y., assignor to Man-O-Lamp Corporation. Picture frame. 1,946,705; Feb. 13.
- Man-O-Lamp Corporation. (See Manoil, Jack, assignor.)
- Manrodt, Henry, Newark, N. J. Balancing means for rotary valves. 1,965,662; July 10.
- Mansbendel, Fritz P., New York, assignor to Fred Goat Co. Inc., Brooklyn, N. Y. Splicing or tying of rope or the like. 1,944,251; Jan. 23.
- Mansbendel, Fritz P., New York, N. Y., assignor to Fred Goat Co., Inc., Brooklyn, N. Y. Rope clamp. 1,944,252; Jan. 23.
- Mansel, Paul, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Statistical machine. 1,950,187; Mar. 6.
- Mansfield, Arthur L., assignor to The E. Ingraham Company, Bristol, Conn. Synchronous electric clock and the like. 1,950,898; Mar. 13.
- Mansfield, Normal F., Hasbrouck Heights, N. J., and G. S. Gottesman, New York, N. Y., assignors to The Ohio Match Company, Wadsworth, Ohio. Display container. 1,949,376; Feb. 27.
- Mansfield, William R. (See Boughton, W. A., and Mansfield.)
- Manske, Fred A., assignor to United States Gypsum Company, Chicago, Ill. Building construction. 1,981,239; Nov. 20.
- Manson Chemical Company. (See Manson, George J., assignor.)
- Manson, Frank G., Dayton, Ohio. Inflatable flexible boat. 1,981,871; Nov. 27.
- Manson, Frank G., Dayton, Ohio, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,984,378; Dec. 18.
- Manson, George J., Hawkesbury, Ontario, Canada. Making thin pressed fibrous articles. 1,951,940; Mar. 20.

- Manson, George J., Hawkesbury, Ontario, Canada. Paper waxing composition. 1,953,085; Apr. 3.
- Manson, George J., Hawkesbury, Ontario, Canada. Apparatus for the production of pressed fibrous articles. 1,983,553; Dec. 11.
- Manson, George J., Hawkesbury, Ontario, Canada. Process and apparatus for finishing pressed fibrous articles. 1,983,554; Dec. 11.
- Manson, George J., Hawkesbury, Ontario, Canada, assignor to Manson Chemical Company. Paper product. 1,942,438; Jan. 9.
- Mansson, Martin. (See Havill, C. H., and Mansson.)
- Mansson, Martin, assignor to Bendix Research Corporation, East Orange, N. J. Propeller. 1,952,812; Mar. 27.
- Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Winding machine. 1,970,536; Aug. 14.
- Mansure, Arthur J., Detroit, Mich., assignor to The Bristol Company, Waterbury, Conn. Automatic temperature or pressure controller. 1,943,831; Jan. 16.
- Manthey, Fritz, Berlin, Germany, assignor to The Electric Tachometer Corporation, Philadelphia, Pa. Vibration recorder. 1,957,895; May 8.
- Mantle Lamp Company of America, The. (See Engh, Walter B., assignor.)
- Mantle Lamp Company of America, The. (See Engh, W. B., and Davis, assignors.)
- Mantle Lamp Company of America, The. (See Rath, Ludwig, assignor.)
- Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)
- Mantle Lamp Company of America, The. (See Whipple, Allen D., assignor.)
- Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Valve. 1,953,358; Apr. 3.
- Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control device. 1,976,953; Oct. 16.
- Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control device. 1,976,954; Oct. 16.
- Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Automatic lighter. 1,983,863; Dec. 11.
- Manuel, Charles J., Dover, N. H., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 1,957,017; May 1.
- Manufacture Belge de Gembloux, Société Anonyme. (See Boeyer, Paul M. J., assignor.)
- Manufacture de Chaussures de Moulins Société Anonyme. (See Rozier, Henri H., assignor.)
- Manufacturers Equipment Company, The. (See Forry, Karl R., assignor.)
- Manufacturers Equipment Company, The. (See Voris, Russell T., assignor.)
- Manufacturers Light and Heat Company. (See Thompson, Charles S., assignor.)
- Manvell, Edwin H., assignor to E. H. Manvell, Brooklyn, and L. Casper, Richmond Hill, N. Y. Tape-moistening device. 1,972,661; Sept. 4.
- Manville, E. J., Machine Company, The. (See Pracny, John E., assignor.)
- Manville, Henrietta P., Woodbury, assignor to The Good-year's India Rubber Glove Manufacturing Co., Naugatuck, Conn. Waterproof footwear. 1,943,448; Jan. 16.
- Manville, Henrietta P., New Haven, assignor to The Good-year's India Rubber Glove Mfg. Company, Naugatuck, Conn. Footwear article. 1,971,456; Aug. 28.
- Manville Jenckes Corporation. (See Brunet, R. L., Bracewell and Jenckes, assignors.)
- Manville Jenckes Corporation. (See Cook, Kenneth B., assignor.)
- Manville Jenckes Corporation. (See Urquhart, George R., assignor.)
- Manville, Keith R., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Transmission mechanism. 1,970,098; Aug. 14.
- Manzardo, Roger S., Berne, Switzerland. Self-closing tube. 1,979,166; Oct. 30.
- Manzl, Vito, et al. (See Pallotta, Sandy, assignor.)
- Mapes Consolidated Manufacturing Company. (See Coll, W. D., and De Reamer, assignors.)
- Mapes Consolidated Manufacturing Company. (See De Reamer, William J., assignor.)
- Mapes Consolidated Manufacturing Company. (See Schurmann, William A., assignor.)
- Mapes Consolidated Manufacturing Company. (See Wilson, Frank D., assignor.)
- Mapes, Daniel, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Small liquid fire extinguisher. 1,961,371; June 5.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire extinguishing apparatus. 1,965,845; July 10.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire extinguishing apparatus. 1,967,894; July 24.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire extinguishing apparatus. 1,968,086; July 31.
- Mapes, Dwight B., Lincoln, assignor to Frankforter Oil Process, Inc., Omaha, Nebr. Process and apparatus for treating hydrocarbons. 1,985,680; Dec. 25.
- Maple Grove Candies, Inc. (See Whaley, Harold R., assignor.)
- Maples, John W., and C. Weaver, Scottsboro, Ala. Tufting attachment. 1,963,441; June 19.
- Mar, Edmundo, assignor of one-half to M. Lockhart, El Paso, Tex. Brush. 1,959,274; May 15.
- Mar, Edmundo, assignor of one-half to Frisciliano Elizondo, Monterey, Mexico. Washrag or pad. 1,968,696; July 31.
- Maraniss, Rebecca S., New York, N. Y. Textile fabric or the like. Des. 92,014; Apr. 17.
- Maraniss, Rebecca S., New York, N. Y. Textile fabric or the like. Des. 93,781; Nov. 6.
- Maraniss, Rebecca S., assignor to S. Shapiro Co. Inc., New York, N. Y. Textile fabric or the like. Des. 93,879; Nov. 20.
- Maranville, Alger G., assignor to The General Tire & Rubber Company, Akron, Ohio. Rim for pneumatic tires. 1,954,757; Apr. 10.
- Maranville, Alger G., Cuyahoga Falls, assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle tire. 1,969,088; Aug. 7.
- Maranville, Harvey F., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire tread burner. 1,981,808; Nov. 20.
- Marasco, Martin, Parlin, N. J., assignor to Dupont Film Manufacturing Corporation. Treating cellulose esters. 1,947,419; Feb. 13.
- Marasso, Fred, assignor to Union Machinery Company, Joliet, Ill. Bread wrapping table. 1,960,342; May 29.
- Marasso, Fred, assignor to Union Machinery Company, Joliet, Ill. Dough divider. 1,961,698; June 5.
- Marathon Battery Company. (See McEachron, E. J., Jensen, Ruhoff, Schroeder, and Krueger, assignors.)
- Marathon Battery Company. (See McEachron, E. J., and Johnson, assignors.)
- Marathon Company. (See Whittaker, Frederick A., assignor.)
- Marathon Paper Mills Company. (See Hoffmaster, Byron T., assignor.)
- Marathon Paper Mills Company. (See Kulpinski, Leo, assignor.)
- Marathon Paper Mills Company. (See Lewandowski, Edward H., assignor.)
- Marbach, Frank G. (See Sanford, F. W., and Marbach.)
- Marbury, Ralph E., Wilkins Township, Allegheny County, and H. G. Ross, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Kitchen power unit. 1,958,900; May 15.
- Marcalus, Nicholas, Elizabeth, N. J., assignor to Automatic Paper Machinery Co. Inc. Box machine. 1,947,561; Feb. 20.
- Marcell, Stanley. (See Bongartz, Carl H., assignor.)
- March, Albert T. (See Walker, H. G., and March.)
- March, Alexander and J., Philadelphia, Pa. Wood sawing machinery. 1,952,270; Mar. 27.
- March, John. (See March, Alexander and J.)
- Marchal, Pierre E. A., Paris, France. Machine for drilling, screwing, and tapping. 1,945,326; Jan. 30.
- Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)
- Marchant Calculating Machine Company. (See Lerch, Gustav, assignor.)
- Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
- Marchant, Pierre J., Saint-Denis, France. Portable crane. 1,970,240; Aug. 14.
- Marcher, Ignaz, Vienna, Austria. Tube and similar container for plastic and viscous substances. 1,960,387; May 29.
- Marchev, Alfred, La Grange, Ill., assignor to Ditto Incorporated. Spindle. 1,967,676; July 24.
- Marchioni, Frank A., Rutherford, N. J. Coin registering receptacle. 1,969,271; Aug. 7.
- Marchiony, Louis S., New York, N. Y. Improved ice cream mold. 1,965,817; Apr. 24.
- Marchner, Joseph A., Rochester, N. Y. Antiglare goggles. 1,957,071; May 1.
- Marchus, Amos S., Oakland, Calif. Combined tire gauge and filling valve. Re19,252; July 24.
- Marcon, René, Paris, France. Apparatus for the treatment of cinematographic and similar films. 1,965,504; July 3.
- Marconi, Guglielmo, Strand, London, and C. S. Franklin, Buckhurst Hill, England, assignors to Radio Corporation of America. Thermionic valve. 1,981,058; Nov. 20.
- Marconi International Marine Communication Company. (See Slee, John A., assignor.)
- Marcotte, Oscar, Ottawa, Ontario, Canada. Signal for railway crossings. 1,951,195; Mar. 13.
- Marcoux, Emile, assignor of one-half to Theo Lessard, Limoulu, Quebec, Canada. Cash and check collecting receptacle. 1,948,862; Feb. 27.
- Marcroft, William. (See Swanson, E. R., and Marcroft.)
- Marcroft, William, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,972,662; Sept. 4.
- Marcum, William, Jr., et al. (See Jones, James M., assignor.)
- Marcus, Charles, New York, assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,962,963; June 12.
- Marcus, Julius, assignor to Arrow Distilleries, Inc., Detroit, Mich. Bottle. Des. 94,157; Dec. 25.
- Marcus, Samuel, Belle Harbor, assignor to Margon Corporation, New York, N. Y. Apparatus for and method of mounting fittings in flexible doll heads. 1,943,736; Jan. 16.
- Marcus, Samuel, Belle Harbor, assignor to Margon Corporation, New York, N. Y. Doll. 1,958,485; May 15.

- Marcy, Grosvenor D., Newton Highlands, Mass. Type holding device. 1,952,019; Mar. 20.
- Marcy, Grosvenor D., Newton Highlands, Mass. Printer's chase. 1,964,957; July 3.
- Marcy, Grosvenor D., Newton Highlands, Mass. Make-up machine. 1,969,669; Aug. 7.
- Marcy, Willard A., assignor to The Lamson Company, Syracuse, N. Y. Conveyer mechanism. 1,984,685; Dec. 18.
- Marden, John W. (See Lederer, E. A., and Marden.)
- Marden, John W., and E. A. Lederer, East Orange, N. J., assignors to Westinghouse Lamp Company. Production of active metals. 1,966,254; July 10.
- Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Meter gear housing. 1,945,056; Jan. 30.
- Marden, William L., Jackson Heights, assignor to Neptune Meter Company, New York, N. Y. Register. 1,970,526; Aug. 14.
- Mardersteck, Carl W. (See Shanor, E. E., and Mardersteck.)
- Marek, Anton, Vienna, Austria, assignor to Ceskoslovenska Zbrojovka Akciová Společnost v Brně, Brunn, Czechoslovakia. Self loading firearm. 1,960,913; May 29.
- Marek, Joseph, assignor to J. Donner, Budapest, Hungary. Sealing bottles, jars, and other receptacles. 1,954,882; Apr. 17.
- Marengo, Louis C., Stockton, Calif. Dining table. 1,961,502; June 5.
- Mares, Joseph R., assignor to The Willys Overland Co., Toledo, Ohio. Signal control. 1,958,057; May 8.
- Margelis, Anthony, Grand Rapids, Mich. Dowel-making machine. 1,981,183; Nov. 20.
- Margles, Samuel G. (See Lindquist, D. L., Handy, and Margles.)
- Margon Corporation. (See Grubman, Leo J., assignor.)
- Margon Corporation. (See Konoff, Alexander, assignor.)
- Margon Corporation. (See Marcus, Samuel, assignor.)
- Margon Corporation. (See Wilhelm, John H., assignor.)
- Margoshes, Nathan, assignor to Lancaster Pipe Mount Co., Lancaster, Pa. Identifying marker. 1,974,682; Sept. 25.
- Marguerre, Fritz, Mannheim, Germany. Thermodynamic energy storage method. 1,979,393; Nov. 6.
- Marguglio, Christopher, New York, N. Y. Aircraft and propulsion means therefor. 1,957,896; May 8.
- Mariani, Francesco, New York, N. Y. Macaroni machine. 1,985,574; Dec. 25.
- Mariani, Frank N. (See Egorenkov, Vasily, assignor.)
- Mariani, Frank N. (See Palmer, Charles M., assignor.)
- Marica, Glen E. (See Payne, R. L., and Marica.)
- Marien, Charles A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston packing ring. 1,942,967; Jan. 9.
- Marien, Melwin W., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Expander for piston rings. 1,942,968; Jan. 9.
- Marienthal, Charles. (See Serenberg, R. A., and C. and P. Marienthal.)
- Marienthal, Paul. (See Serenberg, R. A., and C. and P. Marienthal.)
- Marienthal, Paul, Detroit, Mich. Loose-leaf book construction. 1,978,754; Oct. 30.
- Marinacci, Pasquale, and S. Bonacci, Syracuse, N. Y. Musical cane. 1,959,169; May 15.
- Maring, Albert, Muskegon, Mich., assignor to Anaconda Wire & Cable Company, New York, N. Y. Annealing furnace. 1,979,697; Nov. 6.
- Maringer, Lawrence J., assignor to R. G. Wright & Company, Buffalo, N. Y. Combined heater and cooler for liquids. 1,954,883; Apr. 17.
- Maringer, Lawrence J., assignor to R. G. Wright & Company, Buffalo, N. Y. Refrigerating system. 1,978,469; Oct. 30.
- Marinsky, Davis. (See Morin, L. H., and Marinsky.)
- Marinsky, Davis, New York, N. Y. Coupling and locking means for fastening devices. 1,966,255; July 10.
- Marinsky, Davis, New York, N. Y. Manufacturing separable fasteners. 1,966,256; July 10.
- Marinsky, Isaac, assignor to one-half to S. I. Cohen, Providence, R. I. Refrigerator. 1,941,906; Jan. 2.
- Marion, Alexander G., and W. Wulf, assignors, by mesne assignments, to Vacuum Cup Metal Pulley Company, Detroit, Mich. Pulley. 1,973,350; Sept. 11.
- Marion Steam Shovel Company, The. (See Heffelfinger, Glen B., assignor.)
- Marion Steam Shovel Company, The. (See Howard, Ivan C., assignor.)
- Marion Vault Manufacturing Company. (See Riszantsz, Fred, assignor.)
- Marique, Jean. (See Braillard, R., and Marique.)
- Maris, Harry B., Washington, D. C. Optical apparatus for measuring the thickness of piezo electric crystals. 1,978,434; Oct. 30.
- Maris, James B., Glen Ridge, N. J. Electric motor. 1,977,730; Oct. 23.
- Marischka, Carl. (See Bössner, F., and Marischka.)
- Marischka, Carl, Vienna, Austria. Combined gas and steam producer. 1,967,582; July 24.
- Marischka, Carl, Vienna, Austria. Gas generators. 1,973,874; Sept. 18.
- Mark, Harry R., Evanston, assignor to Clayton Mark & Company, Chicago, Ill. Fabricating well screens. 1,963,629; June 19.
- Mark, Hermann, Mannheim, and H. Fikentscher, Ludwigs-hafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of artificial masses. 1,984,417; Dec. 18.
- Mark, John G., New York, N. Y. Preparing lithographic stones. 1,950,684; Mar. 13.
- Markatos, Spiros C., New York, N. Y. Hat ironing and finishing machine. 1,979,698; Nov. 6.
- Markel Electric Products, Inc. (See Ellinger, Albert E., assignor.)
- Markel Electric Products, Inc. (See McFadden, Glenn E., assignor.)
- Markem Machine Company. (See Meyers, Otto B., assignor.)
- Markem Machine Company. (See Putnam, C. A., and Cheeseman, assignors.)
- Markem Machine Company. (See Putnam, F. A., and Cheeseman, assignors.)
- Markem Machine Company. (See Robbins, Charles F., assignor.)
- Marker, van N., and D. McMakin, Chicago, Ill., assignors to Revere Electric Company. Clamp fitting. 1,974,080; Sept. 18.
- Markert, A. H. (See Vierling, Frank J., assignor.)
- Markey, Fred L., assignor to Doggem Corporation, Lawrence, Mass. Amusement device. 1,982,391; Nov. 27.
- Markey, Peter A. (See Cash, Arthur L., assignor.)
- Markey, Roscoe I., and H. Sadler, assignors to General Aviation Mfg. Corporation, Dundalk, Md. Airplane stabilizer structure. 1,978,640; Oct. 30.
- Markham, Charles E., East St. Louis, Ill., assignor to Carter Carburetor Corporation, St. Louis, Mo. Choke valve. 1,978,052; Oct. 23.
- Markle, Donald, Jeddo, Pa. Apparatus for shipping coal. 1,964,669; Jan. 26.
- Markle, Jacob E., Nashville, Tenn. Game board. Des. 91,834; Mar. 27.
- Markle, Mathew G., Maywood, and L. W. Tuttle, Mount Prospect, Ill. Differential disk. 1,954,453; Apr. 10.
- Markley, George E., Cleveland, Ohio. Electromagnetic device. 1,964,265; June 26.
- Markley, John W., and T. W. Clement, Washington, Pa., assignors to Peerless, Incorporated. Metal treating compound and using the same. 1,973,087; Sept. 11.
- Markley, Jonathan. (See Woodruff, M. D., Mechlin, and Markley.)
- Markman, Milton K., Crystal Lake, Ill. Double sign support. Des. 93,498; Oct. 2.
- Markman, Milton K., Crystal Lake, Ill. Sign support. Des. 94,090; Dec. 18.
- Markman, Milton K., Crystal Lake, Ill. Combined sign post and lamp. Des. 94,091; Dec. 18.
- Markmiller, Ludwig. (See Scheidbauer, Alfred, assignor.)
- Markoff, William. (See Brosilow, L., Markoff, and Orosz.)
- Markosek, Frank J., Bridgeville, Pa. Infra-red ray converter. 1,969,852; Aug. 14.
- Markowsky, Fritz, Cologne, Surth, Germany. Footwear. 1,949,318; Feb. 27.
- Marks, Charles A., Elkhart, Ind. Battery terminal. 1,965,846; July 10.
- Marks, Dennis F., et al. (See Campbell, John A., assignor.)
- Marks, Herbert E., Sewickley, Pa. Facing board. 1,952,449; Mar. 27.
- Marks, Herbert E., assignor to M. H. Marks, Sewickley, Pa. Plaster base. 1,950,363; Mar. 6.
- Marks, Herbert E., Sewickley, and W. D. Jarvis, Pittsburgh, assignors to M. H. Marks, Sewickley, Pa. Supporting structure for use in the production of floors and the like. 1,941,566; Jan. 2.
- Marks, Herbert E., Sewickley, and W. D. Jarvis, Pittsburgh, assignors to M. H. Marks, Sewickley, Pa. Supporting structure for ceiling construction. 1,956,957; May 1.
- Marks, James A. (See Jensen, James B., assignor.)
- Marks, Mary H. (See Marks, Herbert E., assignor.)
- Marks, Mary H. (See Marks, H. E., and Jarvis, assignors.)
- Marks, Merton M. (See Brown, E. A., Jr., and Marks.)
- Marks, Merton M. (See Brown, E. A., and Marks.)
- Marks, Robert W., McGehee, Ark. Refrigerator container. 1,960,747; May 29.
- Markush, Eugene A., Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y. Diazolmino compound produced from heterocyclic imines. 1,982,681; Dec. 4.
- Markut, Pawil, Plainfield, N. J. Smoke diffusing apparatus. 1,974,828; Sept. 25.
- Marlar, William E., Phoenix, Ariz. Shoulder brace. 1,942,482; Jan. 9.
- Marlatt, William H. (See Likly, James W., assignor.)
- Marlboro Shirt Company. (See Manekin, Leonard, assignor.)
- Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Worm gear adjustment for steering gears. 1,974,781; Sept. 25.
- Marling, Paul E. (See Hochwalt, C. A., and Marling.)
- Marlowe Devices, Inc. (See Marlowe, Harold J., assignor.)
- Marlowe, Glenn T., Vallejo, assignor to Standard Stations, Incorporated, San Francisco, Calif. Battery filler. 1,984,803; Dec. 18.
- Marlowe, Harold J., Brooklyn, assignor, by mesne assignments, to Marlowe Devices, Inc., New York, N. Y. Knockdown scaffolding. 1,969,656; Aug. 7.
- Marlowe, Harold J., Brooklyn, assignor, by mesne assignments, to Marlowe Devices, Inc., New York, N. Y. Collapsible or knock-down horse. 1,982,061; Nov. 27.

- Marmier, Louis J. A., Lille, France. Catalyst for the production of nitric acid and the like. 1,947,864; Feb. 20.
- Marmonier, Louis, Lyon, France. Stabilizing and directing gyroscopic control mechanism. 1,947,562; Feb. 20.
- Marogg, Richard, Troy, N. Y. Clamping device. Re19,304; Sept. 4.
- Marogg, Richard, Troy, N. Y. Clamping device. 1,947,607; Feb. 20.
- Marong, Michael P., Warsaw, N. Y. Tire chain hook and repair link. 1,974,873; Sept. 25.
- Marot, Emile, Niort, France. Shaking sieve. 1,976,180; Oct. 9.
- Maroto, Jorge, assignor to Taylor Forge & Pipe Works, Chicago, Ill. Forming pipe elbows. 1,960,788; May 29.
- Marple, Rollo, assignor to Hancock Manufacturing Co. Jackson, Mich. Latch. 1,961,638; June 5.
- Marple, Rollo, Jackson, Mich., assignor to Hancock Manufacturing Company. Doorlatch. 1,962,904; June 12.
- Marquardt, Carl H., and E. A. Countryman, Long Beach, and L. S. Newton, Lynwood, Calif. Rind stripper. Des. 93,836; Nov. 13.
- Marquardt, Ernest. (See Kohler, W., and Marquardt.)
- Marquardt, Frank C., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Wiping and polishing mechanism for steel plate printing machines. 1,970,809; Aug. 21.
- Marquart, Norman O. (See Wallis, C. T., and Marquart.)
- Marquette, Eugene O., Indianapolis, Ind., assignor to Sons of The American Legion of the United States of America. Badge or similar article. Des. 92,187; May 8.
- Marquette Manufacturing Company, Inc. (See Niles, R. B., assignor.)
- Marquette Tool & Mfg. Company. (See Glasner, R. W., and Rode, assignors.)
- Marquette Tool & Mfg. Company. (See Rode, Fredrich J., assignor.)
- Marquis, Grace F. (See Cavaglieri, Giuseppe, assignor.)
- Marr, Philip G., Walton-on-Thames, England. Nonreturn device. 1,959,763; May 22.
- Marr, Robert B., Montreal West, Quebec, Canada, assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Composite article and making. 1,964,384; June 26.
- Marriage, William F., and P. R. Thomas, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Amplifier circuits. 1,960,019; May 22.
- Marrinan, James W., St. Paul, assignor to Edgar A. Poe, St. Joseph, Minn. Bleeding and defibrinating apparatus. 1,973,990; Sept. 18.
- Marriott, Frank, and C. Neklutin, Ferguson, Mo. Cam-tooth-generating mechanism. 1,949,062; Feb. 27.
- Marriott, Frank, Ferguson, and W. E. Hyatt, St. Louis, Mo. Hat head-size measuring-machine. 1,977,449; Oct. 16.
- Marriott, Robert H., Brooklyn, N. Y. Acoustical device. 1,981,962; Nov. 27.
- Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase shifting device. 1,942,483; Jan. 9.
- Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical recording. 1,961,372; June 5.
- Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Battery control circuit. 1,970,329; Aug. 14.
- Marrison, Warren A., Maplewood, and L. A. Meacham, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave production. 1,985,046; Dec. 18.
- Mars, Joseph A., Elkton, Md. Torpedo firing cane. 1,955,338; Apr. 17.
- Mars, Joseph A., Elkton, Md. Torpedo firing pistol. 1,961,564; June 5.
- Marsack, Max, et al. (See Katt, Sam, assignor.)
- Marsack, Nathan, et al. (See Katt, Sam, assignor.)
- Marsack, Sam. (See Katt, Sam, assignor.)
- Marsat, Antoine, Verrieres Le Buisson, France, assignor to G. M. Cressaty. Luminous projection. 1,944,187; Jan. 23.
- Marshall, Adolph J., Madison, Wis. Closure device. 1,947,915; Feb. 20.
- Marschner, Robert F. (See Stoesser, W. C., and Marschner.)
- Marschütz, Carl, Nuremberg, Germany. Ladder and like structure. 1,952,878; Mar. 27.
- Marsden, Charles P., Bloomfield, and C. M. Wheeler, Montclair, N. J., assignors to Hygrade Sylvania Corporation, Salem, Mass. Electrode and manufacture. 1,982,821; Dec. 4.
- Marsden, William R., Brooklyn, N. Y. Apparatus for forming concrete structures. 1,969,229; Aug. 7.
- Marsel, Joseph, assignor to one-half to C. P. Trowbridge, Marseilles, Ill. Electric insect destroyer. 1,953,622; Apr. 3.
- Marsellus, John, Casket Company. (See Hansen, Hans P., assignor.)
- Marsene Corporation of America. (See Gebauer-Fuelnegg, E., and Moffett, assignors.)
- Marsene Products Co. (See Kratz, Edouard M., assignor.)
- Marsh, Benjamin H. (See Marsh, Daniel W. and B. H.)
- Marsh, Charles H. (See Osherman, J., and Marsh.)
- Marsh, Charles W., Muskegon, Mich. Piston. 1,945,151; Jan. 30.
- Marsh, Charles W., Muskegon, Mich. Piston. 1,945,152; Jan. 30.
- Marsh, Charles W., Muskegon, Mich. Piston. 1,945,153; Jan. 30.
- Marsh, Charles W., Muskegon, Mich. Making packing. 1,949,610; Mar. 6.
- Marsh, Charles W., Muskegon, Mich. Oil seal. 1,971,422; Aug. 28.
- Marsh, Charles W., Muskegon, Mich. Piston. 1,974,362; Sept. 18.
- Marsh, Daniel W. and B. H., Oakland, Calif. Production of copper sulphate in solution from metallic or scrap copper and dilute sulphuric acid. 1,944,444; Jan. 23.
- Marsh, Esli A., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Bag filling apparatus. 1,979,483; Nov. 6.
- Marsh, Fayette E., assignor to C. V. Price, Los Angeles, Calif. Photographically producing "Ben Day" tones. 1,957,970; May 8.
- Marsh, Floyd R., Portland, Ore. Cabinet for a game of skill. Des. 91,952; Apr. 10.
- Marsh, Harry M., Hamilton, Ontario, Canada. Water softening apparatus. 1,982,961; Dec. 4.
- Marsh, Harry V., Chicago, Ill. Box. 1,947,865; Feb. 20.
- Marsh, Harry V., Chicago, Ill. Floor-dispensing device. 1,950,805; Mar. 13.
- Marsh, Harry V., Chicago, Ill. Counter dispensing device. 1,966,676; July 17.
- Marsh, Harry V., Chicago, Ill. Dispensing display device. 1,972,406; Sept. 4.
- Marsh, Harry V., Chicago, Ill. Box. 1,974,925; Sept. 25.
- Marsh, Harry V., Chicago, Ill. Counter dispensing device. 1,974,926; Sept. 25.
- Marsh, Harry V., Chicago, Ill. Box. 1,975,963; Oct. 9.
- Marsh, Jas. P., Corporation. (See Beggs, Paul W., assignor.)
- Marsh, Jas. P., Corporation. (See Carson, Robert H., assignor.)
- Marsh, Jas. P., Corporation. (See Joyce, Harold L., assignor.)
- Marsh, James R., Boise, Idaho. Vanity case. 1,983,382; Dec. 4.
- Marsh, William J., et al. (See Marvin, Samuel W., assignor.)
- Marsh, William M., Neponset, Mass. Water sport device. 1,953,359; Apr. 3.
- Marshall Abraham L., Schenectady, N. Y., assignor to General Electric Company. Gas detector. 1,979,976; Nov. 6.
- Marshall, Albert E. (See Masuda, R., Royal, and Marshall.)
- Marshall, Albert E. (See Saklatwalla, B. D., Dunn, and Marshall.)
- Marshall, Albert E. (See Walker, G. E., Marshall, and Dunn.)
- Marshall, Albert E., New York, N. Y., assignor to The Larrowe-Suzuki Company, Rossford, Ohio. Manufacturing and recovering glutamic acid. 1,973,574; Sept. 11.
- Marshall & Bruce Company. (See White, William B., assignor.)
- Marshall, Charles O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Computing weighing scale. 1,973,685; Sept. 11.
- Marshall, Charles W. (See Quick, C. G., and Marshall.)
- Marshall, Charles W. (See Quick, C. G., Marshall, Ball, and Whitehead.)
- Marshall, Clinton E., New York, N. Y. Fountain pen and pencil clip. Des. 92,852; July 24.
- Marshall, Clinton E., New York, N. Y. Clip. 1,970,611; Aug. 21.
- Marshall Field & Company. (See Dufour, George H., assignor.)
- Marshall Field & Company. (See Kephart, Samuel N., assignor.)
- Marshall Field & Company. (See Lynn, George J., assignor.)
- Marshall Field & Company. (See Teague, Walter D., assignor.)
- Marshall Field & Company. (See Westlake, Edward G., assignor.)
- Marshall Field & Company. (See Wilhelm, Warner F., assignor.)
- Marshall, Frank O., assignor to The Pullman Company, Chicago, Ill. Generator drive assembly. 1,948,473; Feb. 20.
- Marshall, Furber I., Chicago, Ill., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Brake testing machine. 1,946,087; Feb. 6.
- Marshall, Harold D., Ottawa, Ontario, Canada. Preservation of raw cheese. 1,950,485; May 22.
- Marshall, Henry H., Highland Park, assignor, by mesne assignments, to Carrier Research Corporation, Newark, N. J. Apparatus for controlling the level of liquids. 1,944,716; Jan. 23.
- Marshall, Henry H., Highland Park, assignor, by mesne assignments, to Carrier Research Corporation, Newark, N. J. Expansion valve. 1,957,548; May 8.
- Marshall, Irl H., Racine, Wis., assignor to Clements Mfg. Co., Chicago, Ill. Display stand. 1,949,023; Feb. 27.
- Marshall, James E., assignor to Winchester Repeating Arms Company, New Haven, Conn. Roller skate. 1,970,612; Aug. 21.

- Marshall, Jamieson, Yonkers, N. Y. Metallic frame for buildings. 1,955,818; Apr. 24.
- Marshall, Jean H., Chicago, assignor of one-half to R. W. Muir, Barrington, Ill. Dust mop or oil mop cleaner. 1,943,449; Jan. 16.
- Marshall, John E., Medford, Mass. Lens grinding machine. 1,975,854; Oct. 9.
- Marshall, John M., and E. C. Thomas, Pittsburgh, Pa. Lubricant dispensing apparatus. 1,977,831; Oct. 23.
- Marshall, Joseph W. (See Hempstead, R. C., and Marshall.)
- Marshall, Kenneth I., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for separation of suspended material from gases. 1,970,048; Aug. 14.
- Marshall, Laurence K., Cambridge, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electrical discharge lamp. 1,965,127; July 3.
- Marshall, Laurence K., Cambridge, assignor to Raytheon Production Corporation, Newton, Mass. Stem. 1,980,418; Nov. 13.
- Marshall, Leatta M., New York, N. Y. Illuminable signaling device. 1,954,740; Apr. 10.
- Marshall, Lewis C., Walpole, Mass. Piston ring. 1,965,294; July 3.
- Marshall Manufacturing Company, The. (See Hintz, Paul, assignor.)
- Marshall, R. W. Company. (See Martin, Thomas.)
- Marshall, Richard B., Grosse Pointe, assignor to Electromaster Inc., Detroit, Mich. Heating element assembly. 1,975,658; Oct. 2.
- Marshall, Roger F. (See Wittman, Walter G., assignor.)
- Marshall, Thomas A., U. S. Navy. Radio receiving and transmitting apparatus. 1,956,582; May 1.
- Marshall, Thomas W. (See Schwarzkopf, Erich, assignor.)
- Marshall, William, and J. Levandoski, assignors to Briggs Manufacturing Company, Detroit, Mich. Vehicle door-latch. 1,966,257; July 10.
- Marshburn, Preston W., assignor to The Glazo Company, Inc., New York, N. Y. Nail polish package. 1,974,466; Sept. 25.
- Marshall, Albert E. (See Saklatwalla, B. D., Dunn, and Marshall.)
- Marsilius, Newman M., assignor, by mesne assignments, to The Bridgeport Bronze Company, Bridgeport, Conn. Milling machine. 1,959,435; May 22.
- Marsteller, Lester O., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Molded decorative article. 1,943,131; Jan. 9.
- Marston, Trowbridge, Morristown, and T. H. Miller, East Orange, N. J., assignors to Kaumagraph Company, New York, N. Y. Machine for printing transfers. 1,959,436; May 22.
- Marta, Anthony S. (See Lafferty, A. R., and Marta.)
- Martel, Adelard F., San Mateo, assignor of one-half to George W. Gates, Burlingame, Calif. Traffic signal control. 1,962,451; June 12.
- Martel, Eurgel, Cashel, N. C. Electrically heated steering wheel. 1,957,018; May 1.
- Martel, Leon C., Providence, assignor to National India Rubber Company, Bristol, R. I. Combined sole and heel. Des. 92,853; July 24.
- Martelotti, Mario E. (See Ernst, H., and Martelotti.)
- Martelotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic convertible feed system. 1,978,350; Oct. 23.
- Marten, Thomas H., assignor to G. O. Clarkson, and I. E. Weldon, Toronto, Ontario, Canada. Device for producing the visual illusion of space in projected motion pictures. 1,952,084; Mar. 27.
- Martens, Armin G. (See Stevens, R. E., and Martens.)
- Martens, Fred J., and C. O. Thompson, assignors of one-third to E. A. and M. V. Wilke, Milwaukee, Wis. Propeller blade. 1,949,611; Mar. 6.
- Martens, Fred J., and C. O. Thompson, assignors of one-third to E. A. and M. V. Wilke, Milwaukee, Wis. Controllable pitch propeller hub. 1,977,077; Oct. 16.
- Martenson, Alcot E., et al. (See Bergquist, Arthur E., assignor.)
- Marter, Frank B., Westville, N. J. Structural metal shape. 1,971,615; Aug. 28.
- Marti, Fritz, La Chaux-de-Fonds, Switzerland. Jewel bearing for watches and the like. 1,976,181; Oct. 9.
- Marti, Othmar K., Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker. 1,941,567; Jan. 2.
- Marti, Othmar K., Haddonfield, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric current rectifier. 1,985,511; Dec. 25.
- Marti, Paul, assignor to firm Schweiz, Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland. Restoring conveyor chain for the matrices of type line setting machines. 1,970,049; Aug. 14.
- Marti, Paul, assignor to the firm Schweiz, Lokomotiv & Maschinenfabrik, Winterthur, Switzerland. Method of and machine for casting type matrices. 1,983,913; Dec. 11.
- Martin, Allan F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminating unit. 1,978,907; Oct. 30.
- Martin, Allan F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus. 1,981,275; Nov. 20.
- Martin, Allen R., assignor of one-fourth to A. Rett, Santa Barbara, Calif. Safety attachment for pocket-books. 1,959,727; May 22.
- Martin, Andrew J., C. F. Fleming, and J. L. Havins, Houston, Tex. Mold. 1,975,330; Oct. 2.
- Martin, Angus A., Dorchester, and R. E. Johnston, Boston, Mass. Safety razor. 1,951,552; Mar. 20.
- Martin, Benjamin J., Beechhurst, N. Y. Seat attachment for dental chairs and the like. 1,941,907; Jan. 2.
- Martin Brothers Company. (See Felloth, Erick O., assignor.)
- Martin Brothers Electric Company, The. (See Martin, Wendell L., assignor.)
- Martin, Calvin L., Waterbury, Conn. Circulating system. 1,983,043; Dec. 4.
- Martin, Carl L., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Stencil process. 1,957,660; May 8.
- Martin, Charles B., and L. W. Lemert, Bartlesville, Okla. Backing-up ring for welding. 1,980,419; Nov. 13.
- Martin, Charles E., Minneapolis, Minn. Garment. 1,945,747; Feb. 6.
- Martin, Charles L., assignor to Indera Mills Company, Winston-Salem, N. C. Bathing suit. 1,981,320; Nov. 20.
- Martin, Claude W., Gold Hill, Ore. Controlling operation of cement kilns. 1,945,652; Feb. 6.
- Martin, Cornelia, New York, N. Y. Toilet accessory container. Des. 91,835; Mar. 27.
- Martin, Curtis J., Chicago, Ill. Circuit making and breaking device. 1,974,188; Sept. 18.
- Martin, De Loss K., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction finding system. 1,952,879; Mar. 27.
- Martin, Douglas J., and K. P. Rado, assignors to Martin Motors, Inc., New York, N. Y. Two-cycle internal-combustion engine. 1,951,987; Mar. 20.
- Martin, Edward L., et al. (See Downs, Frank E., assignor.)
- Martin, Edwin D., assignor of one-fourth to Z. L. Hurd, Nashville, Tenn. Automatic sand controls for track sanding. 1,951,553; Mar. 20.
- Martin, Edwin M. (See Langstroth, C. B., and Martin.)
- Martin, Edwin M., New York, N. Y., and C. B. Langstroth, Plainfield, N. J. Electric welding. 1,959,437; May 22.
- Martin, Eugene H., Akron, Ohio. Tie clasp. 1,984,838; Dec. 18.
- Martin, Fay H., West Newton, Mass. Roving frame cone. 1,958,632; May 15.
- Martin, Francois G. (See Reure, F. L. R., and Martin.)
- Martin, George A., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Brake for sheet feeding apparatus. 1,984,888; Dec. 18.
- Martin, George C., assignor to S. S. Mathews, Los Angeles, Calif. Orthopedic or surgical device. 1,982,140; Nov. 27.
- Martin, George R. (See Juvinall, Orla E., assignor.)
- Martin, George R., Chicago, Ill. Speaking tube. 1,955,139; Apr. 17.
- Martin, Glenn L., Company, The. (See Milburn, Lessiter C., assignor.)
- Martin, H. P., & Sons. (See Martin, William H., assignor.)
- Martin, Hans, assignor to firm Carl Zeiss, Jena, Germany. Device maintaining automatically the frequency of an oscillator. 1,951,666; Mar. 20.
- Martin, Harold E., North Providence, R. I., assignor to Brown & Sharpe Manufacturing Company. Lubricating system. 1,942,180; Jan. 2.
- Martin, Harold S. (See Crago, A., and Martin.)
- Martin, Harold S., and T. A. Janney, Garfield, Utah. Method and apparatus for controlling the hydrogen-concentration of solutions. 1,943,684; Jan. 16.
- Martin, Harold W., Malverne, assignor to American Seal-Kap Corporation, Long Island City, N. Y. Paper article. 1,959,134; May 15.
- Martin, Harry, New York, N. Y. Measuring device. 1,972,154; Sept. 4.
- Martin, Harry C., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. Re19,318; Sept. 18.
- Martin, Harry C., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of rubber bonded abrasive articles. 1,953,984; Apr. 10.
- Martin, Helen, Kingston, Pa. Doll. 1,966,986; July 17.
- Martin, Henry F., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Automatically controlled transfer device. 1,944,253; Jan. 23.
- Martin, Henry F., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Transfer truck. 1,969,419; Aug. 7.
- Martin, Herbert E. (See Williams, F. J., and Martin.)
- Martin, Herbert E., and R. F. Thompson, Cumberland, Md., assignors to Celanese Corporation of America. Preparation of amides. 1,963,138; June 19.
- Martin, James L., Thornbury, Victoria, Australia. Device for killing flies and other insects. 1,942,252; Jan. 2.
- Martin, James V., Garden City, N. Y. Freewheeling device. 1,950,736; Mar. 13.
- Martin, James V., Garden City, N. Y. Elastic tire. 1,954,214; Apr. 10.
- Martin, James V., Garden City, N. Y. High wing aeroplane. 1,973,007; Sept. 11.

- Martin, Jesse C., jr., Sausalito, Calif., assignor to Walworth Patents Inc., Boston, Mass. Plug cock and lubricating means therefor. Re19,041; Jan. 9.
- Martin, Jesse C., jr., San Francisco, Calif., assignor to Walworth Patents Inc., Boston, Mass. Plug cock. Re19,068; Jan. 30.
- Martin, Jesse C., jr., Los Angeles, Calif., assignor to Walworth Patents Inc., Boston, Mass. Valve. Re19,399; Dec. 18.
- Martin, Jesse C., jr., Los Angeles, Calif., assignor to Walworth Patents Inc., Boston, Mass. Valve and packing. 1,979,977; Nov. 6.
- Martin, Jesse C. jr., Los Angeles, Calif., and F. N. Bard, Highland Park, Ill., assignors to Walworth Patents Inc., Boston, Mass. Lubricated plug valve. 1,970,241; Aug. 14.
- Martin, John D., Fresno, Calif. Liner for grape shipping boxes. 1,980,280; Nov. 13.
- Martin, John D., Fresno, Calif. Container for packing and shipping fruit. 1,980,281; Nov. 13.
- Martin, John F. (See Becker, A. N. and Martin.)
- Martin, John F. (See Lang, G. J., Beech, and Martin.)
- Martin, John F. (See Lang, G. J., and Martin.)
- Martin, John F., assignor to United American Bosch Corporation, Springfield, Mass. Magneto. 1,954,087; Apr. 10.
- Martin, John F., assignor to United American Bosch Corporation, Springfield, Mass. Ignition timer. 1,978,161; Oct. 23.
- Martin, John F., assignor to United American Bosch Corporation, Springfield, Mass. Timer for internal combustion engines. 1,978,162; Oct. 23.
- Martin, John F., and H. Waker, assignors to United American Bosch Corporation, Springfield, Mass. Lock-coil. 1,954,088; Apr. 10.
- Martin, John P., Washington, D. C., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Perforating machine. 1,950,504; Mar. 13.
- Martin, John R., assignor of one-half to James S. Abercrombie, Houston, Tex. Blow out preventer and support. 1,967,417; July 24.
- Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,258; Nov. 27.
- Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,259; Nov. 27.
- Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,260; Nov. 27.
- Martin, John S., assignor to Hydro-Pneumatic Bath Appliance Company, Atlantic City, N. J. Bath apparatus. 1,982,261; Nov. 27.
- Martin, José, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,101; Apr. 24.
- Martin, José, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,102; Apr. 24.
- Martin, José, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,103; Apr. 24.
- Martin, Joseph, New York, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Bed couch. Des. 92,313; May 22.
- Martin, Kingsley L., Montclair, N. J. Water tube boiler baffle. 1,957,607; May 8.
- Martin, Lawrence F. (See Britton, E. C., Martin, Alquist, and Heindel.)
- Martin, Lawrence F., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Cyclohexylaromatic hydrocarbon. 1,969,984; Aug. 14.
- Martin, Marion T. (See Jerner, Geron G., assignor.)
- Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Car truck. 1,946,538; Feb. 13.
- Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Car truck. 1,971,192; Aug. 21.
- Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Side frame. 1,974,577; Sept. 25.
- Martin, Mark H., assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Side door frame. 1,946,586; Feb. 13.
- Martin, Mark H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Inboard truck with side bearing means. 1,963,470; June 19.
- Martin Motors, Inc. (See Martin, D. J., and Rado, assignors.)
- Martin, Orris R. (See Lindberg, John F., assignor.)
- Martin, Otto V., Sand Springs, Okla., assignor to Texaco Salt Products Company, New York, N. Y. Method of and apparatus for recovering halogens from brines. 1,956,993; May 1.
- Martin, Otto V., Tulsa, Okla., assignor to Texaco Salt Products Company, New York, N. Y. Manufacture of sodium sulphates. 1,958,760; May 15.
- Martin, Otto V., Tulsa, Okla., assignor to Texaco Salt Products Company, New York, N. Y. Manufacture of sodium sulphate. 1,971,754; Aug. 28.
- Martin, Otto V., Tulsa, Okla., assignor to Texaco Salt Products Company, New York, N. Y. Preparation of magnesium sulphate. 1,977,560; Oct. 16.
- Martin-Parry Corporation. (See Buquor, Adolph P., assignor.)
- Martin-Parry Corporation. (See Cosgrove, Allen R., assignor.)
- Martin-Parry Corporation. (See Kraft, Edward L., assignor.)
- Martin-Parry Corporation. (See Myers, Leonard D., assignor.)
- Martin, Patrick A., Birmingham, England. Hand bag and case. 1,979,978; Nov. 6.
- Martin, Patrick A., Birmingham, England. Making golf and other playing balls. 1,982,218; Nov. 27.
- Martin, Percy. (See Hicks, H. C., Clyde, and Martin.)
- Martin, Perry S., Harrisonburg, Va. Ventilator. 1,957,971; May 8.
- Martin, Perry S., Harrisonburg, Va. Auxiliary heater for brooders. 1,974,116; Sept. 18.
- Martin, Philip M. (See Rose, Edward, assignor.)
- Martin, Ralph, Baldwin, N. Y., assignor to the Government of the United States. Illuminating projectile. 1,978,641; Oct. 30.
- Martin, Ralph E., Los Angeles, Calif. Tying clip for metal lath. 1,962,452; June 12.
- Martin, Ralph S., et al. (See French, Edward R., assignor.)
- Martin, Rutherford B., Roselle, N. J., assignor, by mesne assignments, to Tennessee Corporation. Apparatus for ore concentration. 1,956,296; Apr. 24.
- Martin, Richard H. (See Howe, W. L., and Martin.)
- Martin, Ross. (See Arbogast, A. C., and Martin.)
- Martin, Samuel H., Chicago, Ill. Compound wound interpole rotary converter. 1,964,922; July 3.
- Martin & Schwartz, Inc. (See Hughes, R. D., and Vahle, assignors.)
- Martin & Schwartz, Inc. (See Nelson, David J., assignor.)
- Martin & Schwartz, Inc. (See Nelson, D. J., and Henning, assignors.)
- Martin, Sidney G., Chicago, Ill. Molding means for concrete staves. 1,985,575; Dec. 25.
- Martin, T. Baldwin, trustee. (See Hitchcock, Raymond A., assignor.)
- Martin, Thomas, New York, N. Y. Automobile pit. 1,983,984; Dec. 11.
- Martin, Thomas, assignor of one-half to R. W. Marshall Company, Inc., New York, N. Y. Automobile pit. 1,949,394; Feb. 27.
- Martin, Thomas, assignor to Laundries Service Company, Minneapolis, Minn. Valve mechanism. 1,957,466; May 8.
- Martin, Thomas, assignor to Laundries Service Company, Minneapolis, Minn. Laundry machine. 1,960,823; May 29.
- Martin, Walter, North Finchley, London, England. Construction of pistons. 1,956,511; Apr. 24.
- Martin, Wendell L., assignor to The Martin Brothers Electric Company, Cleveland, Ohio. Drier. 1,961,772; June 5.
- Martin, Wendell L., assignor to The Martin Brothers Electric Company, Cleveland, Ohio. Therapeutic apparatus. 1,974,500; Sept. 25.
- Martin, Wilhelm, assignor to Press- und Walzwerk Aktiengesellschaft, Dusseldorf, Reisholz, Germany. Push bench. 1,960,388; May 29.
- Martin, William A., Fort Worth, assignor of one-half to H. E. Vaughan, Dallas, Tex. Cotton picker. 1,942,969; Jan. 9.
- Martin, William C., Toledo, Ohio. Shears sharpening outfit. 1,951,554; Mar. 20.
- Martin, William G., assignor to Leeds & Northrup Company, Philadelphia, Pa. Optical system. 1,948,588; Feb. 27.
- Martin, William H., assignor to H. P. Martin & Sons, Owensboro, Ky. Pipe-bending device. 1,949,938; Mar. 6.
- Martin, William J., assignor to Snax Automatic Stores, Inc., Detroit, Mich. Coin control mechanism. 1,973,875; Sept. 18.
- Martin, William M., and J. R. Green, Bozeman, Mont. Display device. 1,979,336; Nov. 6.
- Martinauge, Léon, Paris, France. Vehicle. 1,953,563; Apr. 3.
- Martinauge, Léon, Paris, France. Vehicle. 1,975,725; Oct. 2.
- Martinauge, Léon, Paris, France. Endless track vehicle. 1,975,726; Oct. 2.
- Martindale, Murrin E. (See Goerschler, T. A., and Martindale.)
- Martindell, Frank, Western Springs, assignor, by mesne assignments, to H. B. Dilkes, Wilmette, Ill. Film holding device. 1,945,493; Jan. 30.
- Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating coating material on a core. 1,947,478; Feb. 20.
- Martindell, Frank, Western Springs, and A. D. Miller, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for hardening a composition on a core. 1,947,479; Feb. 20.
- Martindell, Milton H., assignor to Jos. Stokes Rubber Co., Trenton, N. J. Storage battery separator. 1,981,736; Nov. 20.
- Martindell, Milton H., and O. Stenmar, assignors to Jos. Stokes Rubber Co., Trenton, N. J. Foot bath. 1,970,465; Aug. 14.
- Martinek, Alois L., and A. N. Taylor, assignors to C. M. Hall Lamp Company, Detroit, Mich. Signal. 1,950,560; Mar. 13.

- Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner. 1,970,665; Aug. 21.
- Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaning apparatus. 1,970,666; Aug. 21.
- Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaning apparatus. 1,972,745; Sept. 4.
- Martinez, Michele, London, England. Photographically sensitive element. 1,944,293; Jan. 23.
- Martinez, Michele, London, England. Photographically produced gelatine relief. 1,954,325; Apr. 10.
- Martini Buchbindereimaschinenfabrik A.-G. (See Verd, Louis, assignor.)
- Martini, Frederick C., Chicago, Ill. Garden marker. 1,979,979; Nov. 6.
- Martinoli, Federico, Trieste, and E. Gerolimich, Monfalcone, Italy. Submarine mine-layer. 1,941,949; Jan. 2.
- Martinson, Albin, Anxox, British Columbia, Canada. Rotatable mop. 1,958,382; May 8.
- Martinson, Ola E., Wichita, Kans. Game. 1,961,155; June 5.
- Martinto, César, Buenos Aires, Argentina. Coupling for shafts forming angles. 1,941,908; Jan. 2.
- Martocello, Joseph A., sr., Philadelphia, Pa. Ice manufacturing system. 1,961,889; June 5.
- Martocello, Joseph A., Philadelphia, Pa. Ice making apparatus. 1,965,081; July 3.
- Martois, Arthur E., Compton, Calif. Casing cutter. 1,941,703; Jan. 2.
- Martus, Martin L., Woodbury, and E. H. Becker, Waterbury, Conn. Depolarizing electrode. 1,941,869; Jan. 2.
- Marty, Albert H., Cleveland, Ohio. Hollow metallic structure. 1,961,006; May 29.
- Marty, Edgar O., Pottsville, Pa. Grate. 1,954,741; Apr. 10.
- Marty, Edgar O., Pottsville, Pa. Fluid cooled grate. 1,982,918; Dec. 4.
- Marty, John M., Cleveland, Ohio. Food cutter. 1,974,501; Sept. 25.
- Mariy, Mathew J., and R. H. Hausse, Chicago, Ill. Automobile heater. Des. 93,939; Nov. 27.
- Martiz, George W., Norwalk, Conn., assignor to Hat Corporation of America, New York, N. Y. Hatter's iron. 1,981,520; Nov. 20.
- Marvel Carburetor Co. (See Berry, Otto C., assignor.)
- Marvel Carburetor Company. (See Firth, David, assignor.)
- Marvel Carburetor Company. (See Kirby, Charles H., assignor.)
- Marvel Carburetor Company. (See Linkert, Howard M., assignor.)
- Marvel Carburetor Company. (See Lyman, Kenneth E., assignor.)
- Marvel Investment Corporation. (See Maurel, Henry F., assignor.)
- Marvel, Orin E., Dayton, Ohio, assignor to Bendix Aviation Corporation, New York, N. Y. Capacity altimeter. 1,965,147; July 3.
- Marvel Window Cleaner Incorporated, The. (See Barlow, Harry T., assignor.)
- Marvel Window Cleaner Incorporated, The. (See Stich, Charles F., assignor.)
- Marvellum Company, The. (See Bracewell, Russell S., assignor.)
- Marvin, Charles O., Tacoma, assignor to Kaseno Products Company, Inc., Seattle, Wash. Waterproofing solution for glue. 1,965,778; July 10.
- Marvin, Cornelius J., and M. Walker, South Pasadena, Calif., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Manufacture of hydrocyanic acid. 1,950,899; Mar. 13.
- Marvin, Harry B., Schenectady, N. Y., assignor to General Electric Company. Sound reproducing apparatus. 1,959,170; May 15.
- Marvin, Harry B., Schenectady, N. Y., assignor to General Electric Company. Vibration velocity measuring device. 1,961,007; May 29.
- Marvin, Harry B., Schenectady, N. Y., assignor to General Electric Company. Electrostatic potential difference measuring device. 1,967,895; July 24.
- Marvin, John T., assignor to The Patrol Valve Company, Cleveland, Ohio. Snap-acting thermostatic valve. 1,970,537; Aug. 14.
- Marvin, Ralph J., Los Angeles, Calif. Measuring instrument. 1,978,682; Oct. 30.
- Marvin, Samuel W., Crozet, Va. Beach chair. 1,963,708; June 19.
- Marvin, Samuel W., Cambridge, assignor of one-third to W. J. Marsh, Concord, and one-third to C. G. Wells, Boston, Mass. Clamping device for printing plates. 1,960,678; May 29.
- Marvin, Stuart F., Nutley, N. J., and P. J. Kayatt, assignors to Radio Inventions, Inc., New York, N. Y. Glowlamp. 1,954,420; Apr. 10.
- Marvin, Stuart F., Nutley, N. J., and P. J. Kayatt, assignors to Radio Inventions, Inc., New York, N. Y. Glowlamp. 1,954,421; Apr. 10.
- Marvin, W. B., Manufacturing Company, The. (See Ritter, John J., assignor.)
- Marvin, W. H., Company, The. (See Lorenz, Otto T., assignor.)
- Marwede, Richard L., assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 91,633; Feb. 27.
- Marx, August, Cincinnati, and H. W. Hunt, Norwood, assignors to The G. A. Gray Company, Cincinnati, Ohio. Planer. 1,970,810; Aug. 21.
- Marx, Fred, Mount Vernon, N. Y. Individual and combination auto sleeper tent. 1,949,751; Mar. 6.
- Marx, Guido V. D., Palo Alto, assignor to Standard Oil Company of California, San Francisco, Calif. Pressure recording device. 1,955,855; Apr. 24.
- Marx, Karl, Dessau-in-Anhalt, and E. Lehmann, Wolfen, near Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of monoalkyl ethers of aromatic polyhydroxy compounds. 1,966,635; July 17.
- Marx, Louis, & Co. Inc. et al. (See Herbst, Clifford G., assignor.)
- Marx, Richard, Philadelphia, Pa. Loom. 1,950,412; Mar. 13.
- Marx, Samuel, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. Des. 93,728; Oct. 30.
- Marx, Samuel, and G. W. Behrel, assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar back counter. Des. 93,729; Oct. 30.
- Marziani, Joseph, and N. Casali, Philadelphia, Pa. Exercising and amusement device. 1,984,591; Dec. 18.
- Marzo, Frank, Washington, D. C. Combined circuit maker and breaker. 1,950,856; Mar. 13.
- Marzolf, George B., assignor to Farwell Ozmum Kirk & Co., St. Paul, Minn. Latching device. 1,955,969; Apr. 24.
- Masby, Gilbert H., Cincinnati, Ohio. Container for carbonated liquids. 1,985,455; Dec. 25.
- Mascali, Joseph, New York, N. Y. Shoe. Des. 93,279; Sept. 11.
- Mascareño, Donaciano, Los Angeles, Calif. Silver polishing machine. 1,945,908; Feb. 6.
- Masch, Domenick, and A. Dorazio, Glassport, Pa. Safety block. 1,951,941; Mar. 20.
- Maschinenfabrik Augsburg Nurnberg A. G. (See Brockel, Ernst, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Fischer, Hans, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Geiger, Josef, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A.-G. (See Jag-schitz, Konrad, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Kreuzer, Alois, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Lorentz, Alfred, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Pielstick, Gustav, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Riehm, Wilhelm, assignor.)
- Maschinenfabrik Augsburg-Nürnberg, A. G. (See Schlimbach, August, assignor.)
- Maschinenfabrik Johannisberg G. m. b. H. (See Albrecht, Karl, assignor.)
- Maschinenfabrik Oerlikon. (See Schnetzler, Adolf, assignor.)
- Maschinenfabrik Rüti vormals Casper Honegger. (See Egli, Ernst, assignor.)
- Maschinenfabrik vorm. Georg Dorst A. G. (See Franke, Alfred, assignor.)
- Maschinenfabrik Weingarten vorm. Hch. Schatz A. G. (See Wachter, August, assignor.)
- Maschinen- und Motorenbau Gesellschaft mit beschränkter Haftung. (See Mau, Wilhelm, assignor.)
- Mascolo, Nino, Los Angeles, Calif. Facial treatment apparatus. 1,965,424; July 3.
- Maselli, Edmondo A., West New Brighton, N. Y. Comb. 1,956,769; May 1.
- Masiello, Julius and V. A., Rochester, N. Y. Molded block building construction. 1,973,088; Sept. 11.
- Masiello, Vito A. (See Masiello, Julius and V. A.)
- Masin, Jacob S., Anniston, Ala., assignor to Swann Research, Incorporated. Polishing grain and surface treatment of same. 1,951,555; Mar. 20.
- Masin, Louis B., East Orange, N. J. Bottle crate. 1,972,786; Sept. 4.
- Masing, Georg, Berlin, and O. Dahl, Berlin-Charlottenburg, Germany. Heat treatment of copper-beryllium alloys. 1,975,113; Oct. 2.
- Masing, Georg, Berlin, and O. Dahl, Berlin-Charlottenburg, Germany. Manufacture of springs. 1,975,114; Oct. 2.
- Masing, Georg, Berlin, and O. Dahl, Berlin-Charlottenburg, Germany. Article subject to abrasion. 1,975,115; Oct. 2.
- Masing, Georg, Berlin, Germany, and W. Kroll, Luxemburg, Luxemburg, assignors, by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. Alloy. 1,945,653; Feb. 6.
- Masing, Georg, Berlin, and W. Pocher, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Copper beryllium alloy. 1,962,806; June 12.
- Masing, Georg, Berlin, and O. Dahl, Berlin-Charlottenburg, Germany, assignors, by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. Beryllium alloy. 1,975,112; Oct. 2.
- Maskin-Och Brohygnads Aktiebolaget. (See Degerth, John G., assignor.)
- Maslin, Albert J., Sharpville, Pa. High voltage bushing. 1,955,305; Apr. 17.
- Maslin, Albert J., Sharpville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Balance coil. 1,979,699; Nov. 6.

- Maslo, William P., Reading, Pa. Support for exercising balls. 1,945,440; Jan. 30.
- Mason, Alfred E. (See Davis, N. K., and Mason.)
- Mason, Arnold A. and R. F. Lake View, Iowa. Child's seat for barber chair. 1,942,717; Jan. 9.
- Mason, Arthur J., deceased, Homewood, Ill.; Continental Illinois National Bank and Trust Company of Chicago, executor. Recovery of phosphates from minerals. 1,973,439; Sept. 11.
- Mason, Arthur J., deceased, Homewood, Ill.; Continental Illinois National Bank and Trust Company of Chicago, executors. Apparatus for carbonizing bituminous materials. 1,978,139; Oct. 23.
- Mason, Arthur J., West Hartford, and W. L. Tancred, assignors to The Bush Manufacturing Company, Hartford, Conn. Jig filling machine. 1,964,827; July 3.
- Mason, Arthur J., West Hartford, and W. L. Tancred, assignors to The Bush Manufacturing Company, Hartford, Conn. Machine and process for annealing tubes. 1,972,787; Sept. 4.
- Mason, Arthur J., West Hartford, and W. L. Tancred, assignors to The Bush Manufacturing Company, Hartford, Conn. Radiator. 1,981,867; Nov. 20.
- Mason, Arthur J., West Hartford, and W. L. Tancred, assignors to The Bush Manufacturing Company, Hartford, Conn. Forming radiators. 1,984,938; Dec. 18.
- Mason Box Company, The. (See Harden, Ralph L., assignor.)
- Mason Box Company, The. (See Weller, Arthur A., assignor.)
- Mason, Carl T., and B. B. Minnium, assignors to Stewart-Warner Corporation, Chicago, Ill. Radioreceiver and resistance cord. 1,978,053; Oct. 23.
- Mason, Charles C., Crystal Lake, assignor to Selders-Mather Corporation, Chicago, Ill. Paper crimping device. 1,960,059; May 22.
- Mason, Clessen E., Tulsa, Okla., assignor to The Foxboro Company, Foxboro, Mass. Control mechanism. 1,950,989; Mar. 13.
- Mason, Donald B., Catonsville, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Precipitation and treatment of cellulose derivatives. 1,948,625; Feb. 27.
- Mason, Donald B., Catonsville, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Precipitation of cellulose esters. 1,949,213; Feb. 27.
- Mason, Donald B., Catonsville, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Apparatus for precipitation of cellulose esters. 1,949,214; Feb. 27.
- Mason, Donald B., Catonsville, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of cellulose derivatives. 1,956,832; May 1.
- Mason, Earl M. (See Tarr, R. D., and Mason.)
- Mason, Erwin S., Norwood, assignor to The J. H. Day Company, Cincinnati, Ohio. Dividing or forming device for plastic materials. 1,961,566; June 5.
- Mason, Frank G. (See Baughman, O. F., and Mason.)
- Mason, George W., assignor to Kelvinator Corporation, Detroit, Mich. Water-cooler. 1,953,420; Apr. 3.
- Mason, George W., assignor to Kelvinator Corporation, Detroit, Mich. Evaporator for refrigerators. 1,968,048; July 31.
- Mason, George W., Chicago, Ill. Chimney draft regulator. 1,980,692; Nov. 13.
- Mason, Herbert T., assignor to Quabaug Rubber Company, North Brookfield, Mass. Shoe heel. Des. 92,854; July 24.
- Mason, Howard, Saxonville, Mass. Pile fabric loom. 1,945,057; Jan. 30.
- Mason, Landon R., assignor to Union Oil Company of California, Los Angeles, Calif. Sea wall. 1,973,821; Sept. 18.
- Mason, Ray W., Spokane, Wash. Bookholder. 1,947,053; Feb. 13.
- Mason, Roger, Westfield, assignor to International Communications Laboratories, Inc., Newark, N. J. Message conveyor. 1,946,706; Feb. 13.
- Mason, Russell F. (See Mason, Arnold A. and R. F.)
- Mason, Silas Co. Inc. (See Parker, Laurie F., assignor.)
- Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating device. 1,946,223; Feb. 6.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High frequency amplifier. 1,967,249; July 24.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 1,967,250; July 24.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 1,969,571; Aug. 7.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo-electric wave filter. 1,974,081; Sept. 18.
- Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Screening and refining of fiber. 1,970,330; Aug. 14.
- Mason, William K., Malden, assignor to American Electrical Company, Boston, Mass. Multiple alarm system. 1,966,730; July 17.
- Masoner, William J., Oak Park, Ill. Control system for heaters. 1,985,047; Dec. 18.
- Masonite Corporation. (See Boehm, Robert M., assignor.)
- Masonite Corporation. (See Mason, William H., assignor.)
- Maspons, Albert E., Albany, N. Y., assignor to International Cigar Machinery Company. Strip-feeding mechanism. 1,959,922; May 22.
- Mass, Henry W., Rochester, N. Y. Work holding clamp and drill jig. 1,954,708; Apr. 10.
- Massa, Manuel R., South Williamsport, assignor to George J. Lutz, Williamsport, Pa. Condiment holder. 1,965,148; July 3.
- Massachusetts Memorial Hospitals. (See Levene, G., and Konikov, assignors.)
- Massey, Hormisdas, Woonsocket, R. I. Motor mounting. 1,982,682; Dec. 4.
- Massey, Augustine H., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Attachment plug cap. 1,941,612; Jan. 2.
- Massey Concrete Products Corporation. (See Gilman, Charles, assignor.)
- Massey Concrete Products Corporation. (See Horsch, Walter H., assignor.)
- Massey Concrete Products Corporation. (See Robertson, Walter H., assignor.)
- Massey-Harris Company, The. (See Everett, Charles E., assignor.)
- Massey-Harris Co., The. (See Moree, Kinsel E., assignor.)
- Massey-Harris Company. (See Verity, Morley F., assignor.)
- Massey, Hemsley B., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. Electric switch. 1,967,623; July 24.
- Massey, Arthur D., Duluth, Minn. Decoy duck. 1,951,429; Mar. 20.
- Massie, Raymond N., Chicago, Ill. Airplane wing structure model. Des. 94,092; Dec. 18.
- Massillon Implement Company, The. (See Archer, Carl W., assignor.)
- Mast, William C., Long Beach, Calif., assignor, by mesne assignments, to Chemical Construction Corporation. Method and apparatus for concentrating sulphuric acid. Re19,064; Jan. 23.
- Masteller, Malcolm L., Miami, Fla. Fluid pressure brake control. 1,952,557; Mar. 27.
- Mastenbrook, Henry J., Cleveland Heights, assignor to The Swartwout Company, Cleveland, Ohio. Controlling fluid flow. 1,943,241; Jan. 9.
- Mastenbrook, Henry J., assignor to The Swartwout Company, Cleveland, Ohio. Feed water regulator. 1,966,898; July 17.
- Mastenbrook, Phil D. (See Comstock, Ernest E., assignor.)
- Master Builders Company, The. (See Scripture, Edward W., Jr., assignor.)
- Master Domestic Refrigerator Company. (See Strong, Archie H., assignor.)
- Master Electric Company, The. (See Darnell, V. L., and Voegel, assignors.)
- Master Electric Company, The. (See Larsh, Everett P., assignor.)
- Master Electric Co., The. (See Larsh, E. P., and Peterhans, assignor.)
- Master Electric Company, The. (See Phelps, Clyde H., assignors.)
- Master, Hulbert I., and T. Cunningham, Mannington, W. Va. Back-up tool. 1,981,656; Nov. 20.
- Master Metal Products, Inc. (See Geibel, John F., assignor.)
- Master Package Corporation, The. (See Parkinson, Oscar B., assignor.)
- Masterman, Cyril A. (See Clark, J. G., Masterman, and Noble.)
- Masterman, Cyril A., Westminster, assignor to The Gas Light and Coke Company, London, England. Valve for controlling and/or regulating the flow of fluid. 1,983,629; Dec. 11.
- Masterman, Thomas W. (See Miller, R. E., and Masterman.)
- Masters, Arthur H., Pittsburgh, Pa. Vaporizing liquid fuel. 1,959,031; May 15.
- Masters, Paul G., assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Roof and the like. 1,953,621; Apr. 3.
- Mastin, Charles R., Midland Park, N. J. Packing. 1,968,650; July 31.
- Mastrangel, Louis, Union City, N. J. Tire gauge. 1,946,224; Feb. 6.
- Mastrangelo, Alphonso. (See Mastrangelo, Frank and A.)
- Mastrangelo, Frank and A., Fitchburg, Mass. Settee. Des. 93,782; Nov. 6.
- Mastrangelo, Frank and A., Fitchburg, Mass. Settee. Des. 93,783; Nov. 6.
- Mastriana, Ernest, Brooklyn, N. Y. Toy. 1,979,002; Oct. 30.
- Mastrud, Conrad D., Chicago, Ill. Dental device. 1,945,616; Feb. 6.
- Masuda, Mataemon. (See Wada, Chyosaku, assignor.)
- Masuda, Reisuke, and C. L. Royal, Toledo, Ohio, and A. E. Marshall, New York, N. Y., assignors to The Larowe-Suzuki Company, Rossford, Ohio. Manufacturing and recovering glutamic acid and its compounds. 1,947,563; Feb. 20.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Thermostatic relay. 1,941,704; Jan. 2.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Steering mechanism for individually sprung wheels. 1,946,749; Feb. 12.

- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Spring suspension for six-wheel vehicles. 1,957,072; May 1.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Endless track construction. 1,970,099; Aug. 14.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Endless track. 1,970,100; Aug. 14.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Heat exchange plate. 1,977,731; Oct. 23.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Spring suspension for six-wheel vehicles. 1,982,115; Nov. 27.
- Masury, Alfred F., New York, and F. J. Kohlberger, White-stone, assignors to International Motor Company, New York, N. Y. Rubber articulated endless track. 1,984,072; Dec. 11.
- Matassa, Thomas J., Los Angeles, Calif. Cooking utensil. 1,959,594; May 22.
- Matchette, Frank J., assignor to The Servidor Company, New York, N. Y. Door structure. 1,980,730; Nov. 13.
- Matchett, Irven J., Methuen, Mass. Bedclothes holder. 1,982,998; Dec. 4.
- Mateer, George L., Roselle, and C. P. Haller, Westfield, N. J., assignors to Standard Oil Development Co. Lubricated baffle for heat exchangers. 1,955,006; Apr. 17.
- Matejcek, Anton. (See Farro, Sam, assignor.)
- Mathauer, Edmund G., Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Cable actuated door mechanism. 1,977,284; Oct. 16.
- Matheny, Clarence S., Haydenville, Ohio, assignor to National Fireproofing Corporation, Pittsburgh, Pa. Making cellular clay products. 1,980,954; Nov. 13.
- Mather, Colin, Jr., Old Trafford, England. Apparatus for preventing undue chilling or freezing of liquids used in motor vehicle and like engines. 1,962,932; June 12.
- Mather, Elmer J., Chevy Chase, Md. Container for molded ice cream. Des. 92,818; July 17.
- Mather, Elmer J., Chevy Chase, Md. Molded ice cream. Des. 92,819; July 17.
- Mather, Elmer J., Chevy Chase, Md. Combined molded ice cream and container therefor. Des. 92,820; July 17.
- Mather, Percy, and D. J. Bergman, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,984,686; Dec. 18.
- Matheret, René, and L. Garreau, Paris, France. Sheath holder for a rouge stick. 1,948,074; Feb. 20.
- Matherne, Albert M., Goose Creek, Tex. Crank arm. 1,976,241; Oct. 9.
- Mathes, John A., San Diego, Calif. Gas generator. 1,950,806; Mar. 13.
- Mathes, John R., assignor to The Expello Corporation, Dover, N. H. Cleaning implement. 1,954,641; Apr. 10.
- Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Transmission of printer signals by radio. 1,944,565; Jan. 23.
- Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Multiplex receiving apparatus. 1,963,587; June 19.
- Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Communication system. 1,979,484; Nov. 6.
- Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech amplitude control. 1,947,209; Feb. 13.
- Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission control. 1,959,438; May 22.
- Mathes, Wilhelm. (See Prah, W., and Mathes.)
- Mathesius, Walther, Chicago, Ill. Enriching and burning gaseous fuels of low heat value. 1,958,671; May 15.
- Matheson Ian M., and J. A. Wilkinson, Wellington, New Zealand. Trousers. 1,959,486; May 22.
- Mathews Conveyer Company. (See Adams, Charles A., assignor.)
- Mathews Conveyer Company. (See Adams, Dewey O., assignor.)
- Mathews Conveyer Company. (See Brodbeck, James R., assignor.)
- Mathews Conveyer Company. (See Craig, James, assignor.)
- Mathews Conveyer Company. (See Evans, A. D., and Clark, assignor.)
- Mathews Conveyer Company. (See Yost, Ezra M., assignor.)
- Mathews, John T., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating mounting for anode grids. 1,943,242; Jan. 9.
- Mathews, Samuel S. (See Martin, George C., assignor.)
- Mathews, Wallace B., assignor to Standard Oil Company, Chicago, Ill. Blind gasket. 1,979,806; Nov. 6.
- Mathewson, Robert C. (See Barnaby, J. C., and Mathewson.)
- Mathewson, Wilfred B., North Weymouth, assignor to United Mattress Machinery Co. Inc., Quincy, Mass. Taping mattresses. 1,960,118; May 22.
- Mathey, Ferdinand A., New York, N. Y. Hose coupling. 1,970,050; Aug. 14.
- Mathey, Nicholas W., Boston, Mass. Trimming machine. 1,958,921; May 15.
- Mathey, Nicholas W., Boston, Mass. Flap trimmer. 1,963,331; June 19.
- Mathias, David L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Welding electrode. 1,944,753; Jan. 23.
- Mathias, David L., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc welding apparatus. 1,962,318; June 12.
- Mathias, Henry R., Highland Park, assignor to Standard Oil Company, Chicago, Ill. Foam prevention. 1,964,641; June 26.
- Mathias, Maximilian. (See Wochinger, E., and Mathias.)
- Mathias, Maximilian, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,968,087; July 31.
- Mathias, Michael, Youngstown, Ohio. Flue cleaner. 1,979,167; Oct. 30.
- Mathieson Alkali Works, Inc., The. (See Cunningham, George L., assignor.)
- Mathieson Alkali Works, Inc., The. (See Cunningham, G. L., MacMullin, and McCready, assignors.)
- Mathieson Alkali Works, Inc., The. (See Cunningham, G. L., and Robson, assignors.)
- Mathieson Alkali Works, Inc., The. (See Evans, George S., assignor.)
- Mathieson Alkali Works, Inc., The. (See Hulst, Eugene A., assignor.)
- Mathieson Alkali Works, Inc., The. (See Labarthe, J., Jr., and Tressler, assignors.)
- Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)
- Mathieson Alkali Works, Inc. (See MacMullin, R. B., and McCready, assignors.)
- Mathieson Alkali Works, Inc., The. (See Savell, Walter L., assignor.)
- Mathieson Alkali Works, Inc., The. (See Taylor, Maurice C., assignor.)
- Mathieson Alkali Works, Incorporated, The. (See Tressler, Donald K., assignor.)
- Mathieson, Alkali Works, Inc., The. (See Tressler, D. K., and Schade, assignors.)
- Mathiessen, Ira C., Chicago, Ill. Variable speed power transmission. 1,983,702; Dec. 11.
- Mathieu, Gaston A., London, England, assignor to Radio Corporation of America. Radiosignaling system. 1,942,561; Jan. 9.
- Mathieu, Gaston A., London, England, assignor to Radio Corporation of America. Thermionic amplifying system. 1,968,610; July 31.
- Mathieu, Harry J., Oakland, Calif. Fishing reel. 1,971,724; Aug. 28.
- Mathieu, Isaac S., Rockford, and F. B. Springer, Loves Park, Ill. Fountain shaving brush. 1,946,867; Feb. 13.
- Mathis, John H., Company. (See Taylor, George R., assignor.)
- Mathis, William H., Memphis, Tenn. Bed attachment. 1,959,728; May 22.
- Mathys-Müller, Carl, Zollikerberg, Switzerland. Epicyclic gearing, intended particularly for power driven vehicles. 1,983,804; Dec. 11.
- Matlock, Edgar L., El Paso, Tex. Aircraft construction. 1,980,869; Nov. 13.
- Matowitz, George J. (See Rubin, Harry, assignor.)
- Matscher, Giuseppe, Spinetta Marengo, assignor to Felice Bensa, Genoa, Italy. Manufacturing vat dyestuffs. 1,960,186; May 22.
- Matson, Carl A., Lynnfield, Mass., assignor, by mesne assignments, to Shoe Lace Company, Ltd., Providence, R. I. Bundling and wrapping machine. 1,949,544; Mar. 6.
- Matson, Carl A., Lynnfield, Mass., assignor to The Matson Company, Concord, N. H. No roll back device. 1,978,683; Oct. 30.
- Matson, Carl A., Lynn, Mass., assignor to The Matson Company, Concord, N. H. Reverse brake. 1,977,588; Oct. 16.
- Matson Company, The. (See Matson, Carl A., assignor.)
- Matson, Irving L., Marshfield, Mass. Baseboard switch. 1,954,391; Apr. 10.
- Matsuki, Kan-ichiro. (See Ohara, T., Enomoto, and Honde, assignors.)
- Matsushima, Kiyoshi, Tokyo, Japan, assignor to General Electric Company. X-ray tube. 1,953,813; Apr. 3.
- Matsuura, Ryosaku, Shotokugai, Darien, Manchuria, assignor to Minami Manshu Tetsudo Kabushiki Kaisha, Darien, Manchuria, China. Manufacturing a magnesite cement. 1,946,327; Feb. 6.
- Mattair, Hiram M., Long Beach, and R. S. Willis, Lynwood, Calif. Self-lubricating piston. 1,949,612; Mar. 6.
- Matte, Hubert P., Maplewood, N. J. Meter dial. Des. 93,629; Oct. 16.
- Matter, James K., and L. E. Geiger, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Ice crusher. Des. 92,015; Apr. 17.
- Mattern, D. Lewis. (See Boucher, Joseph A., Jr., assignor.)
- Mattern, Joel H., and F. H. Pearce, Altoona, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Container seating abutment for railway cars. 1,970,915; Aug. 21.
- Mattern, Raymond P., Elkhart, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cleaning metal. 1,974,965; Sept. 25.
- Matters, Helen M., Omaha, Nebr. Jacket for liquid dispensing receptacles. 1,950,505; Mar. 13.

- Mattes, Alfred. (See Schmid, A., Klein, Mattes, and Callsen.)
- Mattes, Lee H. (See Hay, D. C., and Mattes.)
- Matteson, F. S., Lenox, Calif. Spoon holder. Des. 92,667; July 3.
- Matteson, George F., Rockyhill, assignor to The Abbott Ball Company, Elmwood, Conn. Ball grinding machine. 1,964,165; June 26.
- Matteson, Jesse O., Muskegon, Mich., assignor to The Brunswick-Balke-Collerand Company, Chicago, Ill. Billiard chalk holder. 1,957,549; May 8.
- Matteson, Jesse O., Muskegon, Mich., and J. Ehrenpreis, C. W. Brown, and R. H. Guyton, assignors to The Brunswick-Balke-Collerand Company, Chicago, Ill. Beverage cooling and dispensing equipment. 1,978,588; Oct. 30.
- Matthes, Arno. (See Kämpf, A., Fink, and Matthes.)
- Matthes, Ernst, Leipzig, Germany. Curling and marcel iron. 1,948,463; Feb. 20.
- Matthes, Samuel S. (See Chandler, Homer P., assignor.)
- Matthes, Samuel S. (See Chandler, H. P., and Matthes.)
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire hanger. 1,975,552; Oct. 2.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor connector. 1,977,343; Oct. 16.
- Matthew, James S., assignor of one-half to E. Harrison, Portland, Oreg. Hinge. 1,970,019; Aug. 14.
- Matthew, John C., Mosigkau in Anhalt, assignor to Hugo Junkers, Dessau, Germany. Reversing gear for internal combustion engines. 1,950,561; Mar. 13.
- Matthews, Albert, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 1,964,126; June 26.
- Matthews, Albert, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Rotary cylinder structure. 1,969,570; Aug. 7.
- Matthews, Albert, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Reversing mechanism. 1,971,865; Aug. 28.
- Matthews, Claud L., assignor to W. N. Matthews Corporation, St. Louis, Mo. Guard. 1,954,642; Apr. 10.
- Matthews, Frank C., F. E. Brown, and J. W. H. Pengelly, assignors to The India Rubber, Gutta, Percha and Telegraph Works Company Limited, London, England. Cutting tubes into lengths and apparatus therefor. 1,981,059; Nov. 20.
- Matthews, Harold, J. H. Warntjes, E. Arthurs, and W. C. Wilkinson, Calipatria, assignors of one-fourth to San Diego Fruit and Produce Company, San Diego, Calif. Machine for fastening lids to hampers and baskets. 1,944,254; Jan. 23.
- Matthews, Harold, J. H. Warntjes, E. Arthurs, and W. C. Wilkinson, Calipatria, assignors of one-fourth to San Diego Fruit and Produce Company, San Diego, Calif. Stapling machine. 1,954,253; Apr. 10.
- Matthews, Howard D., assignor to W. M. Chace Valve Company, Detroit, Mich. Bimetallic element. 1,948,121; Feb. 20.
- Matthews, Howard D., assignor to W. M. Chace Valve Company, Detroit, Mich. Bimetallic element. 1,985,181; Dec. 18.
- Matthews, James H., & Company. (See Harley, Lee M., assignor.)
- Matthews, James W., Uvalde, Tex. Float valve. 1,982,062; Nov. 27.
- Matthews, John G., Berea, Ohio. Reamer. 1,947,531; Feb. 20.
- Matthews, John H. (See Repony, D., and Matthews.)
- Matthews, John H., Nutley, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Belt. 1,952,934; Mar. 27.
- Matthews, Joseph L., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Gear shift control mechanism. 1,946,750; Feb. 13.
- Matthews, Louis L., assignor to C. B. and J. W. Maxson, Westerly, R. I. Paper-sorting machine. 1,942,870; Jan. 9.
- Matthews, Robertson, Detroit, Mich. Trouser hanger. 1,962,453; June 12.
- Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)
- Matthews, W. N., Corporation. (See Birkenmaier, T., and Boll, assignors.)
- Matthews, W. N., Corporation. (See Boll, Lester P., assignor.)
- Matthews, W. N., Corporation. (See Matthews, Claud L., assignor.)
- Matthews, Walter F. (See Schultz, Emil G., assignor.)
- Matthews, William H. (See Macready, J. A., and Matthews.)
- Matthey, Paul E., Suffern, N. Y. Shuffling cards. 1,955,926; Apr. 24.
- Matthias, Eugen, St. Moritz, Switzerland. Arch supporting plate. 1,983,630; Dec. 11.
- Matthias, Lynn H., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Electric pick-up for sound reproduction. 1,943,873; Jan. 16.
- Matthias, William H., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,963,754; June 19.
- Matthiesen, John C., Philadelphia, Pa. Dispensing device. 1,976,351; Oct. 9.
- Matthiessen, Conrad H., jr., Pasadena, Calif. Detachable spout. 1,979,337; Nov. 6.
- Mattikow, Morris. (See Thomas, A. W., and Mattikow.)
- Mattingly, Harold W., Swissvale, and F. E. Lewis, Forest Hills, Pa., assignors to Westinghouse Electric and Manufacturing Company. Elevator door operating apparatus. 1,942,253; Jan. 2.
- Mattison, Arthur C. (See Mesinger, W. F., and Mattison.)
- Mattison, Edwin L. (See Holt, L. C., and Mattison.)
- Mattison, Edwin L., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing derivatives of diphenyl-methane. 1,954,484; Apr. 10.
- Mattison Machine Works. (See Randolph, Chalmers H., assignor.)
- Mattison Machine Works. (See Sundstrand, Gustaf D., assignor.)
- Mattison, Royal, assignor to Ambler Asbestos Shingle & Sheathing Company, Ambler, Pa. Producing decorative material. 1,947,271; Feb. 13.
- Mattix, Charles D., Beacon, Iowa. Controllable hood for wind stackers of grain separators. 1,948,930; Feb. 27.
- Mattler, Peter. (See Frost, M. O., and Mattler.)
- Mattler, Peter, St. Louis, Mo., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Conveyor for shoe factories. 1,977,732; Oct. 23.
- Mattman, Gustave F., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Tile. 1,970,759; Aug. 21.
- Mattman, Gustave F., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Advertising globe. 1,976,621; Oct. 9.
- Mattou, Fabien, Andover, Mass. Loom harness stop motion. 1,972,025; Aug. 28.
- Mattoon, Laura E., San Francisco, Calif. Electrically operated mop. 1,963,139; June 19.
- Mattox, William H. (See McKinney, William D., assignor.)
- Matison, Bernard O., Detroit, Mich. Game. 1,970,466; Aug. 14.
- Mattson, Carl K., Chicago, Ill. Rope and cable holder. 1,980,072; Nov. 6.
- Mattson, Jacob, Duluth, Minn. Grain car door. 1,963,415; June 19.
- Mattson, Martin, Loomis, Nebr. Tractor guide. 1,946,225; Feb. 6.
- Matusak, Casmer. (See Victor, J. H., Liston, and Matusak.)
- Matush, Milan A. (See Archer, R. S., and Matush.)
- Matveyeff, Michael N., Stratford, Conn. Electric sadiron. 1,964,923; July 3.
- Matveyeff, Michael N., Stratford, Conn. Electric sadiron. 1,965,746; July 10.
- Matzger, Beulah C. (See Johnson, George A., assignor.)
- Mau, Wilhelm, assignor to firm: Maschinen- und Motorenbau Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Rotary piston engine. 1,969,620; Aug. 7.
- Mauch, Hans. (See Lichtenberger, F., and Mauch.)
- Maughmer, Glenn F., Los Angeles, Calif., assignor to General Electric Company. Compressor plant. 1,980,814; Nov. 13.
- Mauk, Robert R., and T. A. Crowder, Grand Rapids, Mich. Brake. 1,954,254; Apr. 10.
- Maul, Henry C., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Burner pan. Des. 92,481; June 12.
- Maul, Henry C., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Incinerator. 1,943,132; Jan. 9.
- Maul, Henry C., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Cooking equipment. 1,978,544; Oct. 30.
- Maul, Michael, Berlin-Biesdorf, Germany. Record sheet feed mechanism. 1,951,517; Mar. 20.
- Maul, Michael, Berlin-Johannisthal, Germany. Record card controlled machine. 1,955,819; Apr. 24.
- Maul, Michael, Berlin-Biesdorf, Germany. Punching machine for records. 1,962,607; June 12.
- Maul, Michael, Berlin-Biesdorf, Germany. Perforating machine for records. 1,976,352; Oct. 9.
- Maul, Michael, Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Automatic punching machine. 1,946,913; Feb. 13.
- Maul, Peter J., Detroit, Mich., assignor to The Macotta Unit Corporation. Building block. 1,959,083; May 15.
- Maull, J. L. (See Maull James L., assignor.)
- Maull, James L., assignor to J. L. Maull, Inc., Orlando, Fla. Fruit juice extractor. 1,960,501; May 29.
- Maupin, Graves R., assignor to The J. Faessler Mfg. Company, Moberly, Mo. Expanding tubes. 1,951,833; Mar. 20.
- Maurel, Henry F., assignor to Maurel Investment Corporation, Providence, R. I. Oven for baking fuel briquettes. 1,985,512; Dec. 25.
- Mäurer, Albrecht, Bad Homburg vor der Höhe, Germany. Machine tool for generating the teeth of bevel gears. 1,957,028; May 1.
- Maurer, Alexis A. (See Newton, E. E., Ray, and Maurer.)
- Maurer, Arthur J., Seely, Wyo. Box fastener. 1,950,255; Mar. 6.
- Maurer, August F. (See Murphy, John N., assignor.)
- Maurer, Charles C., assignor to Dover Manufacturing Company, Dover, Ohio. Flatiron. 1,979,631; Nov. 6.
- Maurer, Edwin R. (See Ferguson, D. M., and Maurer.)
- Maurer, Edwin R., Detroit, and D. M. Ferguson, Highland Park, assignors, by mesne assignments, to Continental Divco Company, Detroit, Mich. Mechanism for controlling delivery vehicles. 1,942,181; Jan. 2.

- Maurer, Frederick R., Detroit, Mich. Powder sprayer. 1,952,765; Mar. 27.
- Maurer, Frederick R., Detroit, Mich. Powder mixing and spraying device. 1,976,506; Oct. 9.
- Maurer, Gottfried, Zurich, Switzerland. Machine for boring and plugging holes in wood. 1,983,179; Dec. 4.
- Maurer, Harry A., Novelty, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Pipe welding clamp. 1,969,572; Aug. 7.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Condensing lens system for motion picture projection. 1,946,088; Feb. 6.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Optical system. 1,947,564; Feb. 20.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Optical system. 1,947,565; Feb. 20.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Optical system. 1,947,566; Feb. 20.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Optical system. 1,947,567; Feb. 20.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Test record and utilizing the same. 1,955,386; Apr. 17.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Optical system. 1,971,457; Aug. 28.
- Maurer, John A., jr., New York, N. Y., assignor to Radio Corporation of America. Oscillograph. 1,971,458; Aug. 28.
- Maurer, John A., jr., New York, N. Y., and H. H. Friend, Philadelphia, Pa., assignors to Radio Corporation of America. Apparatus for splicing films. 1,981,368; Nov. 20.
- Maurer, John F., jr., North Bergen, N. J. Box construction. 1,953,763; Apr. 3.
- Maurer, John F., jr., North Bergen, N. J. Lower partition element for milk bottle cases. 1,955,820; Apr. 24.
- Maurer, John F., jr., North Bergen, N. J. Bottle crate. 1,970,464; Aug. 14.
- Maurer, John F., jr., North Bergen, N. J. Handle portion reinforcement for milk bottle cases. 1,974,718; Sept. 25.
- Maurer, Paul H., Clifton, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Backfire release. 1,953,086; Apr. 3.
- Maurer, Russell L., assignor to Grigsby-Grunow Company, Chicago, Ill.; F. M. McKey, receiver in bankruptcy. Control mechanism. 1,968,302; July 31.
- Mauri, Enrique. (See Estrada, S. Mauri, and Ivey.)
- Mauzy, Greenhow, jr. (See Johnston, Greenhow, assignor.)
- Maus, Frank J., Paterson, and L. W. Franklin, Delawanna, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Keyboard transmitter. 1,975,367; Oct. 2.
- Maus, Geo. H., Inc. (See Maus, George H., assignor.)
- Maus, George H., assignor to Geo. H. Maus, Inc., Amsterdam, N. Y. Rake. 1,959,729; May 22.
- Maus, John N., and H. J. Roberts, Sandusky, Ohio. Plug. 1,954,252; Apr. 10.
- Mausner, Wilhelm, Furth, assignor to W. Faltlhauser, Munich, Germany. Bottle closure. 1,985,258; Dec. 25.
- Mausner-Werke A. G. (See Nickl, Josef, assignor.)
- Maust, Ernest J., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Manufacture of cement. 1,963,588; June 19.
- Maust, Ernest J., assignor to The Dorr Company, Inc., New York, N. Y. Manufacture of cement. 1,985,868; Dec. 25.
- Maust, Ernest J., New York, N. Y., and G. L. Benjamin, Los Angeles, Calif., assignors, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Oil drill mud reclamation. 1,961,232; June 5.
- Maust, William J., Bly, Oreg. Trailer lift. 1,970,967; Aug. 21.
- Mauthe, Gustav. (See Bauer, R., and Mauthe.)
- Mauthe, Gustav. (See Thauss, A., Mauthe, and Doser.)
- Mauthe, William, assignor to Sanitary Refrigerator Company, Fond du Lac, Wis. Refrigerator. 1,958,832; May 15.
- Mautsch, Robert H., Brussels, Belgium, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Steam heated radiator. 1,960,343; May 29.
- Maverick, George M., Elizabeth, N. J., assignor to Standard Oil Development Company. Gear lubricant. 1,963,239; June 19.
- Mavis, Harold J., and L. E. Hagstrom, North Muskegon, Mich. Floor sander. 1,957,790; May 8.
- Mavis Machine Corporation. (See Davis, Henry K. B., assignor.)
- Mavrogenis, Aristote, Milwaukee, Wis. Wireless receiving system. 1,958,150; May 8.
- Maw, Edwin H., Montreal, Quebec, Canada. Garment hanger. 1,969,896; Aug. 14.
- Maw, R. B. (See Michael, George L., assignor.)
- Max Ams Chemical Engineering Corporation, The. (See Brenzinger, Julius, assignor.)
- Maxant Buton & Supply Company. (See McDonough, Lawrence E., assignor.)
- Maxant, William T., Ayer, Mass. Pinking machine. 1,984,224; Dec. 11.
- Maxcy, Warren G., Oshkosh, Wis. Sandal. 1,944,664; Jan. 23.
- Maxim, Myles Standish, Somerville, assignor to Merrimac Chemical Company, Inc., Everett, Mass. Process and apparatus for production of sulphuric anhydride. 1,974,829; Sept. 25.
- Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
- "Maximine" Societe Anonyme. (See Tielens, Georges J. L., assignor.)
- Maximum Pumps and Engines Limited. (See Williams, J., and Troughear, assignors.)
- Maxmoor Corporation. (See Moore, Arlington, assignor.)
- Maxon, Mark E. (See Johannsen, U. K., and Maxon.)
- Maxson, Charles B., et al. (See Matthews, Louis L., assignor.)
- Maxson, Julian W., et al. (See Matthews, Louis L., assignor.)
- Maxson, Lisle J., U. S. Navy, and F. B. Gross, McLean, Va. Cradle. 1,950,413; Mar. 13.
- Maxwell, Charles T. (See Patchell, S. E., and Maxwell.)
- Maxwell, Edwin, New York, and J. Kaplan, Brooklyn, N. Y. Electric display fixture. Des. 94,093; Dec. 18.
- Maxwell, Emmett, assignor of one-half to J. W. Womack, Reidsville, N. C. Refrigerating system. 1,948,889; Feb. 20.
- Maxwell, Harold L., Wilmington, Del., assignor, by mesne assignments, to Utilities Research Commission, Inc., Chicago, Ill. Welding torch. 1,965,847; July 10.
- Maxwell, John A., Cleveland, Ohio. Telephone light. 1,971,227; Aug. 21.
- Maxwell Steel Vault Company. (See Zerfing, Robert H., assignor.)
- Maxwell, Willard A. (See Frey, G. R., and Maxwell.)
- Maxwell, William H., et al. (See Hopkins, Samuel R., assignor.)
- Maxwell, William H., Beverly Hills, Calif. Well pump. 1,982,919; Dec. 4.
- May, Adam J., assignor to Ritter Dental Manufacturing Co., Inc., Rochester, N. Y. Extensible chair. 1,950,619; Mar. 13.
- May, Adam J., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Extensible chair. 1,959,682; May 22.
- May, Armand. (See Conway, J. W., and May.)
- May, Edward M. (See Burton, W. D., and May.)
- May, Edward M., Detroit, Mich. Composite valve. 1,964,687; June 26.
- May, Frederick T., Montclair, N. J., assignor to Westinghouse Lamp Company. Combination butt sealing and exhaust machine. 1,953,492; Apr. 3.
- May, Harold F. (See Dorr, C. J., and May.)
- May, Harold N., Chicago, Ill. Extrusion chamber. 1,974,663; Sept. 25.
- May Hosiery Mills. (See Beavers, Robert S., assignor.)
- May Hosiery Mills. (See Smith, William L., jr., assignor.)
- May, John W., Belmont, Mass. Fastening device for straps and the like. 1,983,383; Dec. 4.
- May, John W., Belmont, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and shoemaking. 1,972,597; Sept. 4.
- May, Joseph. (See Watkins, R. C., and May.)
- May, Louis B., Pittsburgh, assignor to S. Frankel, Pittsburgh, Pa. Amusement device. 1,947,608; Feb. 20.
- May, Luke S., Seattle, Wash. Comparison magnascope. 1,974,654; Sept. 25.
- May, Newton E., assignor to National Syndicates Incorporated, South Bend, Ind. Combined vending and weighing machine casing. Des. 91,326; Jan. 9.
- May, Newton E., assignor to National Syndicates Incorporated, South Bend, Ind. Combined vending and weighing machine casing. Des. 93,031; Aug. 14.
- May Oil Burner Corporation. (See Guild, Lurette, assignor.)
- May Oil Burner Corporation. (See Hall, Mora S., assignor.)
- May Oil Burner Corporation. (See Nichols, W. H., and Dow, assignors.)
- May Oil Burner Corporation. (See Quintilian, Bartholomew F., assignor.)
- May, Ramona B., Burbank, Calif. Thread reel and guard. 1,960,273; May 29.
- May, Richard E., White Hall, Ill. Garden tool. 1,962,025; June 5.
- May, Russell P., Haddonfield, N. J., assignor to Radio Corporation of America. Automatic film threading motion picture machine. 1,979,700; Nov. 6.
- May, Walter H., Pelham Manor, assignor to Carlin Comforts, Inc., New York, N. Y. Sewing mechanism for quilts and the like. 1,946,868 Feb. 13.
- Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany. Change speed gearing. 1,949,167; Feb. 27.
- Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany. Change speed gear. 1,949,168; Feb. 27.
- Maybach, Karl, assignor to Maybach-Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Lubricating system for transmission gears. 1,970,385; Aug. 14.
- Maybach-Motorenbau G. m. b. H. (See Dorr, Wilhelm E., assignor.)
- Maybach-Motorenbau G. m. b. H. (See Maybach, Karl, assignor.)

- Mayberry, De Ella B., Detroit, Mich. Hot water circulating system. 1,948,425; Feb. 20.
- Mayer, Alvin L., New York, N. Y. Camera shutter. 1,966,556; July 17.
- Mayer, Arthur, Detroit, Mich. Battery plate assembling machine. 1,956,870; May 1.
- Mayer, Arthur E., Beaver, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 91,892; Apr. 3.
- Mayer, Bruce A., et al. (See Stover, Frank E., assignor.)
- Mayer China Company. (See Johnson, Doris, assignor.)
- Mayer China Company. (See Mayer, Arthur E., assignor.)
- Mayer, Cornelius G. (See Bull, R. A., Small, Simpson, and Mayer.)
- Mayer, Daniel J. (See Kingman, R. B., and Mayer.)
- Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Gimping machine. 1,949,484; Mar. 6.
- Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Knitting machinery. 1,970,242; Aug. 14.
- Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Feed for knitting machines. 1,977,686; Oct. 23.
- Mayer, Enid F. (See Scown, G. L., Stargel, and Mayer.)
- Mayer, Frank, assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Switch. 1,976,854; Oct. 16.
- Mayer, Frank J., Pittsburgh, Pa. Mechanical toy. 1,942,514; Jan. 9.
- Mayer, Frederick G., Morrisville, Pa., assignor to Sloane-Blabon Corporation, Trenton, N. J. Decorative material and making. 1,975,515; Oct. 2.
- Mayer, Hans. (See Straub, F., and Mayer.)
- Mayer, Hans, Berlin-Charlottenburg, and L. Fenyö, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Duplex transmission system. 1,962,026; June 5.
- Mayer, Harry S., South Norwalk, Conn. Rubberette material. Des. 93,032; Aug. 14.
- Mayer, Heinrich. (See Preiswerk, E., and Mayer.)
- Mayer, Jacques A., Montreal, Quebec, Canada. Metallic sealing device. 1,952,085; Mar. 27.
- Mayer, Nikolaus, Vienna, Austria, assignor of fifty-four per cent to A. Oberle, Washington, D. C. Cracking hydrocarbon oil. 1,974,683; Sept. 25.
- Mayer, Norman C., Norwood, Ohio. Manhole construction. 1,959,171; May 15.
- Mayer, Walter S., Philadelphia, Pa. Electrical switch. 1,974,428; Sept. 25.
- Mayer, Walter S., Philadelphia, Pa. Combined switch and circuit breaker. 1,975,901; Oct. 9.
- Mayer, William. (See Holst, L. J. R., Mayer, and Meneffe.)
- Mayers, Henry H., Philadelphia, Pa., assignor to Rohm & Haas Company. Anhydrous sodium sulphide and making same. 1,946,089; Feb. 6.
- Mayette, Edgar, assignor to Kennedy-McCandless Corporation, Rochester, N. Y. Child's folding toilet seat. 1,951,621; Mar. 20.
- Mayfield, Henry, La Porte, Tex. Protractor. 1,975,400; Oct. 2.
- Mayfield, Thomas M., El Paso, Tex. Shingle. 1,980,760; Nov. 13.
- Mayhew, Edward, assignor to The Lehon Company, Chicago, Ill. Car roof. 1,961,373; June 5.
- Mayhew, H. H., Company. (See Bardwell, Edwin A., assignor.)
- Mayhew, Kenneth W., Angelica, and M. E. Holloway, assignors to F. R. Atkinson Spring Co., Hamburg, N. Y. Automobile spring seat. 1,952,880; Mar. 27.
- Mayhew Steel Products, Inc. (See Carlson, Frederick O., assignor.)
- Mayhew, Willard H., Los Angeles, Calif. Electrical swivel connector. 1,975,964; Oct. 9.
- Mayland, Emil R., Hutchinson, Kans. Foot exerciser. 1,972,308; Sept. 4.
- Mayle, Louis A., Fremont, Ohio. Die placing and shifting. 1,943,133; Jan. 9.
- Mayman, Edwin, San Diego, Calif. Caliper attachment for outside micrometer calipers. 1,956,871; May 1.
- Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Stapling machine. 1,956,174; Apr. 24.
- Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Machine for sealing bags and like containers. 1,963,306; June 19.
- Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Stapling machine or tacker. 1,970,101; Aug. 14.
- Maynard, Charles E., Northampton, assignor to R. W. Boyden and C. A. Dana, receivers for The Fisk Rubber Company, Chicopee Falls, Mass. Tire building drum. 1,949,752; Mar. 6.
- Maynard, Charles E., Northampton, Mass., assignor, by mesne assignments, to The Fisk Rubber Corporation. Treating molds. 1,969,937; Aug. 14.
- Maynard, Howard E. (See Sinclair, A. J., and Maynard.)
- Maynard, Melvin D., Brooklyn, N. Y. Game. 1,983,044; Dec. 4.
- Maynard, Poole, Atlanta, Ga. Colored mineral products and making the same. 1,944,294; Jan. 23.
- Maynard, William C., Coral Gables, Fla. Lure. 1,977,003; Oct. 16.
- Maynes, Emma C. (See Maynes, Hyla F., assignor.)
- Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. M. Fishing reel. 1,943,981; Jan. 16.
- Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Fishing reel. 1,973,686; Sept. 11.
- Maynz, Theodore. (See Monson, H. J., and Maynz.)
- Mayo, Edward L. (See Levy, Edward J.)
- Mayo, Edward L., (legal change from Edward J. Levy). (See Levy, Edward J.)
- Mayo, Robert H., London, England. Launching aircraft. 1,974,684; Sept. 25.
- Mayoh, Frank H., Springfield, Mass. Welding apparatus. 1,947,300; Feb. 13.
- Mayorga, Robert I., Oklahoma City, Okla. Game apparatus. 1,943,685; Jan. 16.
- Maypole, Roy A., Detroit, Mich. Child's propelled vehicle. 1,977,317; Oct. 16.
- Mayr, Eugen, Lautawerk/Lausitz, assignors to Otavi Minen- und Eisenbahngesellschaft, Berlin, Germany. Working up ferrovanadium containing products. 1,970,467; Aug. 14.
- Mayr, Hermann, Munich, Germany. Manufacturing of light nailable bricks. 1,985,737; Dec. 25.
- Mayr, Karl A., New York, N. Y., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Siemensstadt, Berlin, Germany. Steam generating apparatus. 1,961,233; June 5.
- Mayr, Otto, Berlin-Karlshorst, Germany, assignor to General Electric Company. Liquid for electrical purposes and apparatus containing same. 1,967,095; July 17.
- Maytag Company, The. (See Mikulasek, John, assignor.)
- Maytag Company, The. (See Miller, G. L., and Mikulasek, assignors.)
- Maytag Company, The. (See Snyder, Howard F., assignor.)
- Mayweg, Hugo, Holzwickede, Germany, assignor, by mesne assignments, to L. S. Stevenson, Wheeling, W. Va. Making tubes and pipes. 1,944,094; Jan. 16.
- Mayweg, Hugo, Holzwickede, Germany, assignor, by mesne assignments, to L. S. Stevenson, Wheeling, W. Va. Apparatus for making butt welded tubes and pipes. 1,944,095; Jan. 16.
- Mayweg, Hugo, Holzwickede, Germany, assignor, by mesne assignments, to L. S. Stevenson, Wheeling, W. Va. Apparatus for making butt joined tubes and pipes. 1,944,096; Jan. 16.
- Mayweg, Hugo, Holzwickede, Germany, assignor to American Welded Tube Company, Brilliant, Ohio. Welding. 1,944,097; Jan. 16.
- Mazer, Jacob, Upper Darby Township, Delaware County, Pa. Sound absorbing material and making the same. 1,952,766; Mar. 27.
- Mazer, Jacob, Stonehurst, Upper Darby Township, Delaware County, Pa. Sound-absorbing structure. 1,961,374; June 5.
- Mazer, Louis, New York, N. Y. Article of jewelry. 1,981,521; Nov. 20.
- Mazover, Leon J., Baldwin, N. Y., assignor to J. D. Sibley, Middlefield, Conn. Molding apparatus. 1,977,801; Oct. 23.
- Mazur, Samuel, Bristol, assignor to The Sessions Clock Company, Forestville, Conn. Self-starting synchronous electric motor. 1,963,094; June 19.
- Mazur, Samuel, Bristol, assignor to The Sessions Clock Company, Forestville, Conn. Non-selfstarting synchronous electric motor. 1,981,000; Nov. 20.
- Mazza, Adolfo, Genoa, Italy, assignor to Johns-Manville Corporation, New York, N. Y. Pipe coupling. 1,947,998; Feb. 20.
- Mazza, Adolfo, Genoa, Italy, assignor to Johns-Manville Corporation, New York, N. Y. Process and machinery for the manufacture of asbestos-cement pipes of a small diameter and of little thickness. 1,984,073; Dec. 11.
- Mazzini, Franco, assignor to Società Italiana Ernesto Breda per Costruzioni Meccaniche, Milan, Italy. Aircraft covering. 1,944,990; Jan. 30.
- Mazzocco, Dante V., assignor to Eureka Photo Mechanical Equipment, Inc., New York, N. Y. Vacuum frame. 1,946,539; Feb. 13.
- Mazzocco, Dante V., New York, N. Y., assignor to William Mazzocco, Rio de Janeiro, Brazil. Correctional foot appliance. 1,977,316; Oct. 16.
- Mazzocco, William. (See Mazzocco, Dante V., assignor.)
- Mazzoli, Joseph. (See Schenck, W. P., and Mazzoli.)
- McAdams, Harry, Atlantic City, N. J. Terry loop knitted fabric. 1,949,319; Feb. 27.
- McAdams, Harry, Philadelphia, assignor to The Nolde and Horst Company, Reading, Pa. Heel for split work stockings. 1,953,246; Apr. 3.
- McAdams, Harry, Philadelphia, assignor to The Nolde and Horst Company, Reading, Pa. Machine for joining looped fabrics. 1,953,247; Apr. 3.
- McAdams, Henry E., Detroit, Mich. Apparel ornament. 1,979,980; Nov. 6.
- McAdams, Joseph E., Dayton, Ohio, and W. D. Burton, assignors to Combustioner, Inc., Goshen, Ind. Power transmission mechanism. 1,966,100; July 10.
- McAdams, William H. (See Weber, H. C., and McAdams.)
- McAdams, William H., Newton, and H. C. Weber, Milton, Mass., assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 1,980,215; Nov. 13.
- McAdoo, William G., Los Angeles, Calif. Safety razor. 1,953,248; Apr. 3.

- McAfee, Albert L. (See Fox, Cecil M., assignor.)
- McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Manufacture of low boiling petroleum distillates. 1,976,507; Oct. 9.
- McAfee, William K. (See Turner, C. Beam, and McAfee.)
- McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 1,941,568; Jan. 2.
- McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Box or container for ice cream and molded materials. 1,953,884; Apr. 3.
- McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 1,953,885; Apr. 3.
- McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 1,956,619; May 1.
- McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Box. 1,961,375; June 5.
- McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 1,965,199; July 3.
- McAleer, Charles F., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 1,982,962; Dec. 4.
- McAleer Manufacturing Company. (See Patterson, Philip A., assignor.)
- McAleer, William S. (See Bradford, J. D., and McAleer.)
- McAllister, Jallie, assignor of one-fourth to M. M. Bourquin, San Francisco, Calif. Earth working machine. 1,982,219; Nov. 27.
- McAllister, Norman J., Anderson County, S. C. Protective system. 1,979,754; Nov. 6.
- McAllister, Harley J., Minneapolis, Minn. Air compressor. Des. 93,350; Sept. 18.
- McAlpine, Malcolm, London, England. Tunnel lining. 1,969,810; Aug. 14.
- McAlpine, Malcolm, London, England. Building and reinforcing the walls of tunnels, shafts, and the like. 1,969,811; Aug. 14.
- McAlpine, Malcolm, London, England. Lining tunnels, shafts, or the like. 1,979,896; Nov. 6.
- McAnally, Samuel G., Catasauqua, Pa. Producing lime-gypsum plasters. 1,967,959; July 24.
- McArdle, Edward H., Elizabeth, N. J. Tobacco pipe. 1,970,386; Aug. 14.
- McArdle, Fred W. (See Stone L., and McArdle.)
- McArdle, James P., and T. R. Knudsen, New York, N. Y. Salvaging apparatus. 1,961,591; June 5.
- McArdle, Michael W., Chicago, Ill. Automatic toaster. 1,973,175; Sept. 11.
- McArdle, Michael W., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Pitcher or similar article. Des. 92,668; July 3.
- McArdle, Thomas E. (See Schulze, J. E., and McArdle.)
- McArthur, Elmer D. (See Nolte, H. J., and McArthur.)
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Polyphase oscillation generator. 1,971,193; Aug. 21.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 1,980,870; Nov. 13.
- McAuley, James H., Columbus, Ohio. Temperature regulating means. 1,971,532; Aug. 28.
- McAuley, Thomas W., North Bay, Ontario, Canada. Stakeholder for railway flat cars. 1,974,927; Sept. 25.
- McAviney, Francis J., Dorchester, assignor to The Reese Button Hole Machine Company, Boston, Mass. Sewing machine. 1,974,749; Sept. 25.
- McAvity, T., and Sons, Limited. (See Blanchard, Frederick W., assignor.)
- McAvoy, J. H., and Company. (See Howard, James H., assignor.)
- McBain, William C., assignor to The Cold Metal Process Company, Youngstown, Ohio. Metal working. 1,974,685; Sept. 25.
- McBane, Walter W. (See Talbot, H. H., and McBane.)
- McBean, Alexander O., Chicago, Ill. Fountain pen. 1,967,315; July 24.
- McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Article sorting machine. 1,980,815; Nov. 13.
- McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Delivery mechanism for printing machines. 1,985,211; Dec. 18.
- McBean, Gladding, and Company. (See Johnston, James C., assignor.)
- McBean, Kenneth D. (See Stimmel, B. A., McBean, and Cruickshank.)
- McBee Company, The. (See Bloore, Ernest J., assignor.)
- McBee Company, The. (See Connor, R. L., and Welk, assignors.)
- McBee Company, The. (See Rutkoskie, George A., assignor.)
- McBee Company, The. (See Rutkoskie, G. A., and Welk, assignors.)
- McBee Company, The. (See Welk, Nelson S., assignor.)
- McBee, Luther, Greenville, S. C. Pressure means for fiber preparation machinery. 1,959,872; May 22.
- McBee, Robert E., Smith Township, Washington County, Pa. Loader for zinc furnaces and the like. 1,975,855; Oct. 9.
- McBee, William R. L., assignor to The Gardiner Hall Jr. Company, South Willington, Conn. Combined tape and thread package. 1,973,381; Sept. 11.
- McBride, Eugene A. (See Kelleher, D., and McBride.)
- McBride, Eugene A., D. Kelleher, and P. B. Lerch, assignors to Thompson Products Incorporated, Cleveland, Ohio. Making hollow valves. 1,984,751; Dec. 18.
- McBride, George A., Alton, assignor to Western Cartridge Company, East Alton, Ill. Making propellant powders. 1,955,927; Apr. 24.
- McBride, James E., New York, assignor to G. F. Garrick, Mt. Vernon, N. Y. Hydraulic jack. 1,964,003; June 26.
- McBride, Lewis M., Denver, Colo., and R. Monro, Edgewood, Md. Gas mask carriers. 1,976,739; Oct. 16.
- McBride, Robert G., Webb, Ariz. Quirker. 1,979,202; Oct. 30.
- McBride, Walter J., Houston, Tex. Internal combustion engine. 1,973,214; Oct. 23.
- McBride, William F., Shreveport, La. Aircraft. 1,948,426; Feb. 20.
- McBroom, Errett F. (See Krupnick, L. R., and McBroom.)
- McBurney, James E., Alton, Ill., assignor to Owens-Illinois Glass Company. Glass furnace. 1,977,963; Oct. 23.
- McCaa, David G., Lancaster, Pa. Reducing the effects of electrical disturbances. 1,956,689; May 1.
- McCaa, David G., Lancaster, Pa. Method of and apparatus for controlling alternating currents. 1,959,275; May 15.
- McCaa, David G., Philadelphia, Pa. Reducing electrical disturbances. 1,969,657; Aug. 7.
- McCaa, David G., Philadelphia, Pa. Reducing electrical disturbances. 1,981,457; Nov. 20.
- McCabe, Charles J., Long Beach, N. Y., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Pocketbook frame. 1,977,355; Oct. 23.
- McCabe, Charles J., Brooklyn, deceased, and I. Schoenholz, Cedarhurst, N. Y., K. B. McCabe, executrix, assignors to United-Carr Fastener Corporation, Cambridge, Mass. Hand bag frame. 1,948,040; Feb. 20.
- McCabe, Edward B., assignor to Carbondale Machine Company, Carbondale, Pa. Apparatus for puging refrigerating systems. 1,947,095; Feb. 13.
- McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Pipe hanger. 1,966,899; July 17.
- McCabe, Frank E., Shaker Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Metal working device. 1,985,454; Dec. 25.
- McCabe, Ira E. (See Hunciker, Karl, assignor.)
- McCabe, Ira E., Chicago, Ill. Electric switch of the mercury tube type. 1,949,915; Mar. 6.
- McCabe, Ira E., Chicago, Ill. Control for stoker mechanisms for furnaces. 1,963,140; June 19.
- McCabe, Ira E., Chicago, Ill. Vapor vacuum heating system. 1,965,708; July 10.
- McCabe, Ira E., Chicago, Ill. Electrically actuated controls. 1,973,925; Sept. 18.
- McCabe, Ira E., Chicago, Ill. Thermally actuated switch. 1,975,856; Oct. 9.
- McCabe, John J., Cleveland, Ohio. Washing machine agitator. 1,978,113; Oct. 23.
- McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub. Des. 91,568; Feb. 20.
- McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub. Des. 91,569; Feb. 20.
- McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub. Des. 91,570; Feb. 20.
- McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub. Des. 91,571; Feb. 20.
- McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub. Des. 91,632; Feb. 27.
- McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub. Des. 94,037; Dec. 11.
- McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens grinding machine. 1,952,212; Mar. 27.
- McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens testing instrument. 1,958,275; May 8.
- McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens grinding machine. 1,984,074; Dec. 11.
- McCabe, Katherine B., executrix. (See McCabe, Charles J.)
- McCaffery, Richard S., Madison, Wis. Making Bessemer steel. 1,976,354; Oct. 9.
- McCaig, Robert L., assignor to M. Hughes, Toledo, Ohio. Building construction. 1,949,215; Feb. 27.
- McCain, Cecil C., Glen Ellyn, Ill., assignor to Addressograph Company, Wilmington, Del. Embossing machine. 1,961,156; June 5.
- McCaleb, Albert G. (See Allen, Hugh E., assignor.)
- McCaleb, Albert G., Evanston, Ill. Parking light control for automotive vehicles. 1,946,226; Feb. 6.
- McCall Company, The. (See Dennerlein, Peter, assignor.)
- McCall Company, The. (See Hutter, Francis, assignor.)
- McCall, Thadders D., Imperial, Calif. Citrus fruit juice machine. 1,985,323; Dec. 25.
- McCallum, James R. (See Alexander, R. L., and McCallum.)
- McCallum, John, Glasgow, Scotland, and H. P. H. Anderson, Surbiton, England. Conservation of heat within a steam power system. 1,982,060; Nov. 27.
- McCandless, Byron U. S. Navy. Photographic apparatus. 1,960,254; May 29.

- McCandless, Clarence H., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,964,588; June 26.
- McCandless, George F. (See Robertson, James A. and D., assignors.)
- McCandless, Harry E., Rochester, N. Y. Child's folding toilet seat. 1,958,276; May 8.
- McCann, Frank H., Canton, S. Dak. Adjustable headrest. 1,957,608; May 8.
- McCann, George M., New Castle, Del. Gun. 1,974,429; Sept. 25.
- McCann, John A., Burlington, N. J. Leg stump sock. 1,983,914; Dec. 11.
- McCann, John F., assignor to Baldwin-Duckworth Chain Corporation, Springfield, Mass. Silent chain. 1,974,338; Sept. 18.
- McCann, John J., Burlington, N. J. Making thigh sockets. 1,953,421; Apr. 3.
- McCann, John J., Burlington, N. J. Making artificial leg sections. 1,953,422; Apr. 3.
- McCann, John J., Jr., Lowell, Mass. Textile clamp. 1,982,683; Dec. 4.
- McCann, Michael, Glen Morris, assignor to Frederick Osann Company, New York, N. Y. Single thread sewing machine. 1,941,481; Jan. 2.
- McCann, Michael, Glen Morris, N. Y., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabethport, N. J. Method of and apparatus for forming group stitches. 1,983,555; Dec. 11.
- McCann, Ronald A. (See Young, H. S., and McCann.)
- McCann, Ronald A., Swissvale, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,954,572; Apr. 10.
- McCann, Thomas A. (See Watson, E. F., and McCann.)
- McCann, Thomas A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Two-way telegraph system. 1,944,991; Jan. 30.
- McCann, William J., Lakewood, Ohio. Hand protecting device. 1,972,197; Sept. 4.
- McCarroll, James F., Baton Rouge, La. Veneer cutting machine. 1,951,834; Mar. 20.
- McCarroll, Russell H., and G. Vennerholm, assignors to Ford Motor Company, Dearborn, Mich. Reclaiming and reusing metallic scrap mixtures. 1,943,541; Jan. 16.
- McCarroll, Sidney J., Rapid City, assignor of one-half to E. Birdsall, Deadwood, S. Dak. Agitator. 1,935,791; Dec. 25.
- McCarron, William E., Chicago, Ill. Truck loader. 1,943,614; Jan. 16.
- McCarthy, Charles D., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 1,972,850; Sept. 4.
- McCarthy, Charles D., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 1,972,851; Sept. 4.
- McCarthy, Charles D., and R. G. Drew, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Apron taper. 1,963,666; June 19.
- McCarthy, Daniel C., Evanston, assignor to Purity Bakeries Service Corporation, Chicago, Ill. Bread and making the same. 1,973,926; Sept. 18.
- McCarthy, Edward F., assignor of one-half to C. H. McCarthy, Chicago, Ill. Vacuum and compression pump. 1,943,767; Jan. 16.
- McCarthy, Elmer T., Evanston, Ill. Excess pressure regulator. 1,959,105; May 15.
- McCarthy, J. Clarence, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of surface coverings. 1,933,180; Dec. 4.
- McCarthy, John W. (See Dickerman, H. K., and McCarthy.)
- McCarthy, John W. (See Holly, H. C., and McCarthy.)
- McCarthy, Kellogg B., Sacramento, Calif. Bank-check post-card folder. 1,946,751; Feb. 13.
- McCarthy, Theodore A., Nutley, assignor of one-half to J. Kelly, Passaic, N. J. Putting device. 1,961,060; May 29.
- McCarthy, Thomas. (See Fisher, R. W., and McCarthy.)
- McCarthy, Bernard Y., Beacon, N. Y., and W. E. Skelton, Cambridge, Mass., assignors to The Texas Company, New York, N. Y. Removal of wax from hydrocarbon oil. 1,969,670; Aug. 7.
- McCarthy, Charles H. (See McCarthy, Edward F., assignor.)
- McCarthy, Madison P., Dallas, Tex. Electric safety razor blade. 1,978,804; Oct. 30.
- McCarthy, Paul S. (See Sands, Jesse L., assignor.)
- McCasky, Perry A. (See Gluck, F. C., and McCasky.)
- McCathron, Earl H., Bridgeport, Conn. Liquid and air heating apparatus. 1,983,140; Dec. 4.
- McCaughy, William J., and H. C. Lee, assignors, by mesne assignments, to Non-Metallic Minerals, Inc., Cleveland, Ohio. Refractory synthetic magnesia product and making same. 1,965,605; July 10.
- McCauley, Irvin D., Arp, Tex. Opening cement sacks, bags and the like. 1,966,016; July 10.
- McCausland, James. (See August, W., McCausland, and Chapin.)
- McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for making inflated articles. 1,976,740; Oct. 16.
- McChesney, David, Kirkland Lake, Ontario, Canada. Wall board joint. 1,942,392; Jan. 2.
- McChesney, Vernon A., Buffalo, and F. A. Milnes, Kenmore, N. Y., assignors to The Aluminum Company of America, Pittsburgh, Pa. Ottoman. Des. 93,232; Sept. 4.
- McClain, Harold L., and S. T. Mercer, Jamaica, N. Y. Automatic transmission. 1,961,619; June 5.
- McClanahan, Frederick C., assignor of one-half to H. H. Bain, Homer, La. Roofing cleat. 1,952,383; Mar. 27.
- McClaren Rubber Company. (See Miller, Charles G., assignor.)
- McClay, Charles E., Los Angeles, Calif., assignor to United States Research Corporation, Long Island City, N. Y. Soundproof casing for motion picture cameras. 1,982,221; Nov. 27.
- McClay, Charles E., and M. E. McClay, Los Angeles, Calif. Carrying case for moving picture cameras or the like. Des. 92,725; July 10.
- McClay, Gordon F., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve assembly. 1,955,007; Apr. 17.
- McClay, Margaret E. (See McClay, Charles E. and M. E.)
- McClay, Roy C., Hollywood, Calif. Film advancing mechanism for motion picture apparatus. 1,951,762; Mar. 20.
- McClean, Alexander W., Webster Groves, assignor to G. B. Winter, St. Louis, Mo. Mounting for X-ray plates. 1,967,534; July 24.
- McCleary, Fred E., Detroit, K. C. Babo, Clawson, and H. Rayner, assignors to Chrysler Corporation, Detroit, Mich. Hardening cast articles. 1,954,180; Apr. 10.
- McCleary, Henry R., Oak Park, assignor to Wilson-Jones Company, Chicago, Ill. Pamphlet binder. 1,958,058; May 8.
- McCleary, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,983,864; Dec. 11.
- McCleery, Clyde F., Denver, Colo. Concentrator. 1,985,513; Dec. 25.
- McCleery, Clyde F., Denver, Colo. Concentrator. 1,985,514; Dec. 25.
- McCleery, Robert S., Gary, Ind. Rolling metal sections in multiple. 1,977,285; Oct. 16.
- McClellan, Fred C. (See Macdougall, Bon, assignor.)
- McClellan, George, assignor to Wolf-Tober Shoe Manufacturing Company, St. Louis, Mo. Shoe. Des. 93,983; Dec. 4.
- McClellan Shoe Specialty Co. (See Eaton, Horace M., assignor.)
- McClelland Casket Hardware Company. (See McClelland, Russell A., assignor.)
- McClelland, Russell A., assignor to McClelland Casket Hardware Company, Richmond, Ind. Casket handle. 1,954,485; Apr. 10.
- McClellen, Fred C. (See Macdougall, Bon, assignor.)
- McClintic, Howard H., Pittsburgh, Pa., assignor to McClintic-Marshall Corporation. Apparatus for positioning structural members for drilling and like operations. 1,956,904; May 1.
- McClintic-Marshall Corporation. (See McClintic, Howard H., assignor.)
- McClintic-Marshall Corporation. (See Overholtz, George D., assignor.)
- McClintic-Marshall Corporation. (See Wilson, Edgar H., assignor.)
- McClintock, James W. (See Bowles, H., and McClintock.)
- McClintock, John D., assignor to William Sellers & Company Incorporated, Philadelphia, Pa. Safety connection. 1,948,725; Feb. 27.
- McClintock, William, assignor to Pacific Clay Products, Los Angeles, Calif. Former-head. 1,978,470; Oct. 30.
- McClintock, William J., Jr., Harrisburg, assignor to Conewago Textiles, Inc., Elizabethtown, Pa. Cover for a box or carton. Des. 92,415; June 5.
- McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,979,838; Nov. 6.
- McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Refining oils. 1,981,626; Nov. 20.
- McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,983,915; Dec. 11.
- McCloud, W. B., & Company. (See Terris, Gordon G., assignor.)
- McCloy, Arthur S., Detroit, Mich., and S. F. French, Dobbs Ferry, assignors to Anaconda Wire & Cable Company, New York, N. Y. Electric service plug. 1,970,968; Aug. 21.
- McCloy, Arthur S., Detroit, Mich., and S. F. French, Dobbs Ferry, assignors to Anaconda Wire & Cable Company, New York, N. Y. Electric service plug. 1,978,805; Oct. 30.
- McCloy, Arthur S., Detroit, Mich., and S. F. French, Dobbs Ferry, assignors to Anaconda Wire & Cable Company, New York, N. Y. Electric service plug with prongs in cap. 1,981,458; Nov. 20.
- McCluney, James E., Detroit, Mich. Hydrator. 1,953,765; Apr. 3.
- McClure, Frances M., New York, N. Y., assignor to The Statton Furniture Manufacturing Company, Hagerstown, Md. Secretary. Des. 91,298; Jan. 2.
- McClure, Harry B., Visalia, Calif. Fruit picking bag. 1,979,632; Nov. 6.
- McClure, Harry T., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Wire-stitching machine. 1,983,384; Dec. 4.

- McClure, Hugh M., Kearney, Nebr. Lock-equipped coupling pin. 1,974,966; Sept. 25.
- McClure, Jack, assignor of fifty-five per cent to M. P. Wood, Poteau, Okla. Tire pressure indicator. 1,970,468; Aug. 14.
- McClure, John B. (See Hamilton, F. A., jr., and McClure.)
- McClure, John W., and S. B. McClure, Assumption, Ill. Rotary divider for grain harvester machines. 1,971,866; Aug. 28.
- McClure, Milton B. (See Spurgeon, S. J., and McClure.)
- McClure, Samuel B. (See McClure, John W. and S. B.)
- McClymont, James J., assignor to McClymont Marble Company, Milwaukee, Wis. Stone surfacing machine. 1,955,081; Apr. 17.
- McClymont Marble Company. (See McClymont, James J., assignor.)
- McCollum, Alfred F. (See Penman, M. B., and McCollum.)
- McCollum, Andrew O., assignor to Hydraulic Brake Company, Detroit, Mich. Control device. 1,951,702; Mar. 20.
- McCollum, Benjamin F., and C. E. Thomas, Dallas, Tex. Cigarette vending machine. 1,979,042; Oct. 30.
- McCollum, Henry J. D. and J. H. K., Elberon, N. J. Vacuum power clutch mechanism. 1,952,767; Mar. 27.
- McCollum, James H. K. (See McCollum, Henry J. D. and J. H. K.)
- McCollum, John, New York, N. Y. Chewing gum carton. Des. 91,586; Feb. 20.
- McCollum, John, New York, N. Y. Chewing gum carton. Des. 93,880; Nov. 20.
- McColm, Eugene M. (See Gibbons, W. A., and McColm.)
- McComb, Alfred H., assignor of one-half to E. R. Peacock, Chicago, Ill. Drying grain, seeds, and the like in vacua apparatus therefor. 1,949,427; Mar. 6.
- McComb, Henry G. (See Johnson, A. L., and McComb.)
- McComb, Lillian C., Menominee, Mich. Cellophane helmet or cap. 1,968,697; July 31.
- McComb, Richard J., Chicago, Ill., assignor to Woodings-Verona Tool Works, Verona, Pa. Rail joint spring. 1,952,600; Mar. 27.
- McCombie, Earle D., Marquette, Mich. Air conditioning device. 1,978,546; Oct. 30.
- McCombs, Mathew F., assignor to Niagara Alkali Company, Niagara Falls, N. Y. Apparatus for bleaching pulp. 1,953,022; Mar. 27.
- McConaughay, Kenneth E., assignor to Pre Cote Corporation, Indianapolis, Ind. Pavement. 1,952,508; Mar. 27.
- McConaghy, Ralph O., Toronto, Ontario, Canada. Automobile traffic signal. 1,955,928; Apr. 24.
- McConkey, Montgomery W., assignor to The Lubrication Corporation, South Bend, Ind. Dispensing apparatus. 1,955,339; Apr. 17.
- McConkey, Montgomery W., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,976,451; Oct. 9.
- McConkey, Thomas C., Montreal, Quebec, Canada, assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake gear support. 1,948,529; Feb. 27.
- McConaughay, Kenneth E., Indianapolis, Ind. Apparatus for producing paving material. 1,964,523; June 26.
- McConaughay, Kenneth E., assignor to Pre Cote Corporation, Indianapolis, Ind. Emulsifier. 1,941,808; Jan. 2.
- McConaughay, Kenneth E., assignor to Pre Cote Corporation, Indianapolis, Ind. Apparatus for preparing paving material. 1,945,058; Jan. 30.
- McConaughay, Kenneth E., assignor to Pre Cote Corporation, Indianapolis, Ind. Apparatus for producing paving material. 1,959,002; May 15.
- McConaughay, Kenneth E., assignor to Pre Cote Corporation, Indianapolis, Ind. Treating aggregate with bitumen. 1,975,902; Oct. 9.
- McConnell, Burt M. (See Tompkins, George, assignor.)
- McConnell, Edward W., jr., assignor to American Window Glass Company, Jeannette, Pa. Cutting laminated glass. 1,966,353; July 10.
- McConnell, Elliott B., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Producing asphalt. 1,950,900; Mar. 13.
- McConnell, Elliot B., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Making asphalt. 1,982,920; Dec. 4.
- McConnell, Joseph E., Newark, N. J. Measuring device or gauge. 1,961,234; June 5.
- McConnell, Nealy C., Olustee, Fla. Turpentine gum sampler. 1,953,886; Apr. 3.
- McConway & Torley Company, The. (See Kelso, William, assignor.)
- McConway & Torley Company. (See Regan, William J., assignor.)
- McConway & Torley Company, The. (See Regan, W. J., and George, jr., assignors.)
- McConway & Torley Company, The. (See Ritter, Gilbert P., assignor.)
- McCoon, Paul L. (See Coon, Paul L.)
- McCord, Alvin C., Chicago, Ill., assignor, by mesne assignments, to McCord Radiator & Mfg. Co., Detroit, Mich. Wringer drive. 1,978,160; Oct. 23.
- McCord Radiator & Mfg. Co. (See Bailey, Claude B., assignor.)
- McCord Radiator & Manufacturing Company. (See Hawkins, Bert H., assignor.)
- McCord Radiator & Mfg. Co. (See McCord, Alvin C., assignor.)
- McCord Radiator & Mfg. Co. (See Owston, Charles W., assignor.)
- McCord Radiator & Mfg. Co. (See Parsons, Clyde A., assignor.)
- McCord Radiator & Mfg. Company. (See Schank, Harry E., assignor.)
- McCord Radiator & Mfg. Co. (See Schank, H. E., and Seemiller, assignors.)
- McCord Radiator & Mfg. Co. (See Tinkham, Guy L., assignor.)
- McCormack, Lawrence E. (See Westberg, G. E., and McCormack.)
- McCormack, Lawrence E. (See Westberg, H., and McCormack.)
- McCormick, Alexander J., et al. (See Campbell, John A., assignor.)
- McCormick, Bradley, assignor to Wagner Electric Corporation, St. Louis, Mo. Electric transmission. 1,952,450; Mar. 27.
- McCormick Brothers Company. (See Neel, Arthur W., assignor.)
- McCormick, Edward A., assignor to Chicopee Manufacturing Corporation, New Brunswick, N. J. Face cloth and method thereof. 1,960,210; May 22.
- McCormick, Elmer. (See White, C. H., and McCormick.)
- McCormick, Elmer, assignor to John Deere Tractor Company, Waterloo, Iowa. Breather device. 1,961,445; June 5.
- McCormick, Elmer, Waterloo, and L. A. Dailey, Cedar Falls, assignors to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,942,655; Jan. 9.
- McCormick, Elmer, and J. E. Cade, assignors to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,964,889; July 3.
- McCormick, Elmer, and J. E. Cade, assignor to John Deere Tractor Company, Waterloo, Iowa. Road band. 1,973,575; Sept. 11.
- McCormick, Francis H., Glen Ellyn, Ill., assignor to General Electric Company. Temperature control device. 1,977,393; Oct. 16.
- McCormick, Francis H., Glen Ellyn, Ill., assignor to General Electric Company. Temperature control device. 1,977,394; Oct. 16.
- McCormick, Francis H., Glen Ellyn, Ill., assignor to General Electric Company. Temperature control device. 1,977,395; Oct. 16.
- McCormick, Frank H., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Impregnated paper product. 1,944,907; Jan. 30.
- McCormick, Harold V., Wilmette, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Compensator sheave. 1,953,119; Apr. 3.
- McCormick, Harold V., Winnetka, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator door device. 1,962,319; June 12.
- McCormick, Harold V., Winnetka, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator door operator. 1,966,182; July 10.
- McCormick, Harold V., Winnetka, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Safety device. 1,971,114; Aug. 21.
- McCormick, J. H., & Co. (See Caldwell, William J.)
- McCormick, J. H., & Co. (See Dodge, Harry H., assignor.)
- McCormick, J. H., & Co. (See Dodge, H. H., and Foreman, assignors.)
- McCormick, John H., and F. M. Bender, assignors to Vendi Cater, Inc., Williamsport, Pa. Vending machine. 1,947,999; Feb. 20.
- McCormick, Lewis M., Palo Alto, Calif. Connector for electric conductors. 1,961,235; June 5.
- McCormick, Oscar S. (See Asleson, H. J., and McCormick.)
- McCormick, William E., assignor to J. S. Hilborn, New York, N. Y. Aquarium. Des. 92,416; June 5.
- McCortney, Willett J., Royal Oak, and E. L. Bailey, Birmingham, assignors to Chrysler Corporation, Detroit, Mich. Coating forming device. 1,955,078; Apr. 17.
- McCosh, Marshall K., Reisterstown, Md. Structure. 1,943,982; Jan. 16.
- McCourt, John T., Memphis, Tenn. Gas burner. 1,947,866; Feb. 20.
- McCowan, David A., Toronto, Ontario, Canada. Bottle case. 1,948,041; Feb. 20.
- McCown, Donald E., San Diego, Calif. Coffee can vacuum attachment. 1,978,025; Oct. 23.
- McCoy, Charles F. (See Hager, H. F., and McCoy.)
- McCoy, Curtiss J., Indianapolis, Ind. Christmas tree light ornament. 1,972,687; Sept. 4.
- McCoy, Edward C., Tunkhannock, Pa. Vehicle lamp controlling means. 1,970,331; Aug. 14.
- McCoy, George M., Cleveland, assignor of one-half to M. C. Portman, Lakewood, Ohio. Infant's chair. 1,967,096; July 17.
- McCoy, Henry T., Huntington Park, Calif. Attachment for pneumatic feed printing presses. 1,956,647; May 1.
- McCoy, John L., Riverside, Calif. Pipe repair device. 1,964,642; June 26.
- McCoy, Robert L. (See Skipper, E. M., and McCoy.)
- McCoy, Robert L., assignor to Locke Insulator Corporation, Baltimore, Md. Suspension clamp. 1,966,258; July 10.
- McCoy, Verl E., Milwaukee, Wis., assignor to L. F. Wilson, Chicago, Ill. Boiler feed apparatus. 1,960,914; May 29.
- McCoy, Verl E., assignor to Wilson Engineering Corporation, Chicago, Ill. Blow-off cock. 1,961,157; June 5.

- McCoy, Verl E., assignor to Wilson Engineering Corporation, Chicago, Ill. Continuous sludge removal method and apparatus. 1,968,651; July 31.
- McCoy, William C., Cleveland Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,963,026; June 12.
- McCoy, William C., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,969,470; Aug. 7.
- McCoy, William R., Mount Vernon, Ill. Device for making perspective drawings. 1,969,758; Aug. 14.
- McCoy, William T., assignor of one-half to L. Dubin, New York, N. Y. Automobile combined seat and bed. 1,977,520; Oct. 16.
- McCrabbe, Hughbert W. M., Los Angeles, Calif., assignor to International Vitacrine Laboratory Corporation, New York, N. Y. Treatment of perishable materials for fixation. 1,983,556; Dec. 11.
- McCraven, Bonner N., Bloomfield, N. J., assignor to The New Jersey Zinc Company, New York, N. Y. Manufacture of zinc oxide. 1,941,569; Jan. 2.
- McCray, Harold E., assignor to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,957,221; May 1.
- McCray Refrigerator Company. (See Hopkins, George J., assignor.)
- McCrea, Charles L., Washington, D. C. Electrical conductor. 1,949,169; Feb. 27.
- McCreadie, John. (See Hickerson, G., and McCreadie.)
- McCready, Wesley K. (See Cunningham, G. L., MacMullin, and McCready.)
- McCready, Wesley K. (See MacMullin, R. B., and McCready.)
- McCreary, Harold J., assignor of one-third to Rodney G. Richardson, Chicago, Ill. Electrical generator. 1,964,738; July 3.
- McCreary, Harold J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Television. 1,978,684; Oct. 30.
- McCreary, Harry W. (See Graybill, H. R., Koch, and McCreary.)
- McCreary, Harry W., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,956,358; Apr. 24.
- McCreary, Miller A., assignor to The Hegeler Zinc Company, Danville, Ill. Machine for trimming tubular metal articles. 1,967,153; July 17.
- McCreary, Miller A., and W. B. Porter, assignors to The Hegeler Zinc Company, Danville, Ill. Mold for casting zinc slabs. 1,943,026; Jan. 9.
- McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Rotary valve. 1,947,210; Feb. 13.
- McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Water measuring and supplying device for mixers. 1,967,097; July 17.
- McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Distribution method and apparatus. 1,974,967; Sept. 25.
- McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Indicator for scales. 1,978,215; Oct. 23.
- McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Apparatus for handling plates. 1,982,876; Dec. 4.
- McCrew, Orville V., Chicago, Ill. Sealing building walls. 1,943,686; Jan. 16.
- McCrohan, John A., New Haven, assignor to The Good-year's India Rubber Glove Mfg. Company, Naugatuck, Conn. Calendaring device. 1,979,004; Oct. 30.
- McCrosky Tool Corporation. (See Miller, Frank P., assignor.)
- McCrosky Tool Corporation. (See Miller, F. P., and Spohr, assignors.)
- McCrosson, John T., Port au Prince, Haiti. Canning foodstuffs. 1,956,770; May 1.
- McCrudden, Daniel J., Jr., Philadelphia, Pa. Accurately blending colors in oil and paints. 1,966,987; July 17.
- McCrudden, Daniel J., Jr., Philadelphia, Pa., assignor to Monad Paint and Varnish Company. Container. 1,943,923; Jan. 16.
- McCrudden, Frederick R., Moorestown, assignor to The National Lock Washer Company, Newark, N. J. Plug mounting. 1,972,156; Sept. 4.
- McCue, Harry J., Cleveland, Ohio. Dispensing apparatus. 1,982,750; Dec. 4.
- McCulloch, Goldie, Company, The. (See Lambden, Arthur H., assignor.)
- McCulloch, Leon, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating material. 1,947,096; Feb. 13.
- McCulloch, Lucille. (See Colley, George F., assignor.)
- McCulloch, Martin L., Harpenden, England. Collapsible bathing pool. 1,961,061; May 29.
- McCullon, Lawrence J., assignor of one-half to O. Ladd, Moosic, Pa. Clothes prop. 1,959,246; May 15.
- McCullough, Frederick S., Wilkinsburg, Pa. Cathode device. 1,943,388; Jan. 16.
- McCullough, Frederick S., Edgewood, Pa. Thermionic tube. 1,948,122; Feb. 20.
- McCullough, Frederick S., Edgewood, assignor to The Union National Bank of Pittsburgh, Pittsburgh, Pa. Envelope construction. 1,985,324; Dec. 25.
- McCullough, Ira J. (See McCullough, Otis J. and I. J.)
- McCullough, Ira J., Huntington Park, Calif. Casing cutter. 1,947,726; Feb. 20.
- McCullough, Ira J., Huntington Park, assignor to J. A. Kammerdiner, Los Angeles, Calif. Jar. 1,983,865; Dec. 11.
- McCullough, Jack. (See Eitel, W. W., and McCullough.)
- McCullough, Jack, San Bruno, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Mercury arc. 1,949,545; Mar. 6.
- McCullough, Jack, San Bruno, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Coating for thermionic cathodes. 1,977,318; Oct. 16.
- McCullough, Jay W., and F. Dormann, Denver, Colo. Convertible motor vehicle. 1,973,494; Sept. 11.
- McCullough, Joel S., assignor to McMiba Corporation, Chattanooga, Tenn. Cigarette vending machine. 1,979,043; Oct. 30.
- McCullough, Joel S., assignor to McMiba Corporation, Chattanooga, Tenn. Cigarette vending machine. 1,979,044; Oct. 30.
- McCullough, Otis J. and I. J., Huntington Park, Calif.; said O. J. McCullough assignor to said I. J. McCullough. Spear. 1,965,848; July 10.
- McCullough, Wesley E., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring. 1,976,794; Oct. 16.
- McCullough, William A., San Quentin, Calif. Portable gold washing and concentrating machine for placer sands and quartz ores. 1,973,770; Sept. 18.
- McCullough, William E., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Making journal bearings. 1,981,276; Nov. 20.
- McCullough, William T., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,943,832; Jan. 16.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,943,615; Jan. 16.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door control device. 1,947,727; Feb. 20.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,956,690; May 1.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick action valve device. 1,956,691; May 1.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,964,069; June 26.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick action valve. 1,969,812; Aug. 14.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door control device. 1,969,813; Aug. 14.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake equipment. 1,980,420; Nov. 13.
- McCurdy, Oscar S., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston ring joint. 1,984,889; Dec. 18.
- McCutchen, Brunson S., Princeton Township, Mercer County, N. J. Amplifier biasing system. 1,961,937; June 5.
- McDanal, Michael R., Denver, Colo. Ophthalmic mounting. Des. 91,529; Feb. 20.
- McDaniel, James F., University City, Mo. Window attachment. 1,945,748; Feb. 6.
- McDaniel, Winfield S., Klamath Falls, Ore. Wire twisting apparatus. 1,970,895; Aug. 21.
- McDermet, John R., assignor to Elliott Company, Jeanette, Pa. Deaeration. 1,965,386; July 3.
- McDermott, Frank A. (See Hopkins, H. H., and McDermott.)
- McDermott, George R., assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner for open hearth furnaces. 1,950,007; Mar. 6.
- McDermott, John C., deceased, Indiana, Pa.; Mrs. G. Omer Graff, executrix. Apparatus for mining. 1,965,043; July 3.
- McDermott, Louis J., San Francisco, Calif. Disinfecting device. 1,979,755; Nov. 6.
- McDermott, Ray A. (See Waughtel, R. V., and McDermott.)
- McDermott, William E., et al. (See Powell, William E., assignor.)
- McDevitt, Henry J., assignor of one-half to J. J. Sullivan, Jr., Philadelphia, Pa., and one-half to Aircraft Specialties, Inc. Universal motor support and work table. 1,953,814; Apr. 3.
- McDill, Rex D., Cleveland, Ohio. Resistor and making same. 1,963,554; June 19.
- McDill, Rex D., Cleveland Heights, Ohio. Medicated stick. 1,972,118; Sept. 4.
- McDill, Rex D., East Cleveland, Ohio. Controlling apparatus. 1,980,816; Nov. 13.
- McDill, Rex D. O., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Controlling treating processes. 1,970,613; Aug. 21.
- McDonald, A. Y., Mfg. Co. (See Groen, Christopher, assignor.)
- McDonald, A. Y., Mfg. Co. (See Siegert, Walter, assignor.)
- McDonald, Angus N., Detroit, Mich., assignor to Detroit Show Case Company. Store front sash. 1,941,570; Jan. 2.

- McDonald, Charles B., assignor to Wilcox-Rich Corporation, Detroit, Mich. Valve seat retainer. 1,949,613; Mar. 6.
- McDonald, Charles B., assignor to Wilcox-Rich Corporation, Detroit, Mich. Valve seat retaining means. 1,949,614; Mar. 6.
- McDonald, Charles G., St. Marys, Mo. Rotary gas engine. 1,980,924; Nov. 13.
- McDonald, Charles S., and J. F. Putnam, Berkeley, and R. M. McHale, Oakland, assignors to Standard Oil Company of California, San Francisco, Calif. Protective coating and objects coated therewith. 1,984,649; Dec. 18.
- McDonald, Daniel, Rugby, England, assignor to General Electric Company. Applying a direct current bias voltage to an electrode of a thermionic device. 1,951,251; Mar. 13.
- McDonald, David., Birmingham, Ala. Chair. Des. 93,416; Sept. 25.
- McDonald, David, Birmingham, Ala. Toy gun. 1,965,425; July 3.
- McDonald, Edward. (See Chicoine, Louis, assignor.)
- McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,971,616; Aug. 23.
- McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,981,963; Nov. 27.
- McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,985,418; Dec. 25.
- McDonald, Grover, et al. (See Whittaker, Norman A., assignor.)
- McDonald, Harry D., Los Angeles, Calif. Cigar lighter or similar article. Des. 92,482; June 12.
- McDonald, Harry R., assignor to Hart Glass Manufacturing Company, Dunkirk, Ind. Bottle or similar container. Des. 93,351; Sept. 18.
- McDonald, Harry R., assignor to Hart Glass Manufacturing Company, Dunkirk, Ind. Bottle or similar container. Des. 93,881; Nov. 20.
- McDonald, Irvin F., Los Angeles, Calif. Cooking machine. 1,981,875; Nov. 27.
- McDonald, James, Weehawken, N. J., and G. B. Dahl, Richmond Hill, assignors to Todd Dry Dock, Engineering & Repair Corporation, New York, N. Y. Air register. 1,943,083; Jan. 9.
- McDonald, John A., assignor to Northwest Lead Co., Seattle, Wash. Glazing bar. 1,942,871; Jan. 9.
- McDonald, John C., et al. (See Root, Lynott B., assignor.)
- McDonald, John F., New Haven, Conn. Keeper for fastening a platform to a door guide. 1,965,387; July 3.
- McDonald, John W., Los Angeles, Calif. Envelope. 1,974,339; Sept. 18.
- McDonald, Mert C., Coffeyville, Kans. Refining petroleum crude oil. 1,958,310; May 8.
- McDonald, Milton C. (See Bell, K. E., and McDonald.)
- McDonald, Pat, Bartlesville, Okla., assignor of one-half to Indian Territory Illuminating Oil Company. Deep well pressure gauge. 1,969,141; Aug. 7.
- McDonald, Robert E., and G. J. Scholl, San Antonio, Tex., dedicated to the free use of the public. Machine for screening gin trash. 1,951,735; Mar. 20.
- McDonald, William L., Geneva, N. Y. Valve control for power operation of levers. 1,948,726; Feb. 27.
- McDonell, Rob Roy, Oakland, Calif. Pressure gauge stabilizer. 1,941,613; Jan. 2.
- McDonnell, Edward J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Damper. 1,956,959; May 1.
- McDonnell, Francis S., Milton, assignor to H. A. Baker, Norwood, Mass., trustee. Fourdrinier paper machine. 1,982,349; Nov. 27.
- McDonnell, Jay P., Detroit, Mich. Display carrier and holder. 1,973,413; Sept. 11.
- McDonnell, Vincent D., Chicago, Ill. Oil gas generator. 1,978,054; Oct. 23.
- McDonnell, William E., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Spectacles. 1,970,504; Aug. 14.
- McDonough, Alexander J. (See Garillus, Bernt, assignor.)
- McDonough, Frank J., assignor to Glaser Crandell Company, Chicago, Ill. Jar. Des. 91,951; Apr. 10.
- McDonough, Henry, Elgin, Ill. Sewing compact. 1,943,542; Jan. 16.
- McDonough, Lawrence E., assignor to Maxant Button & Supply Company, Chicago, Ill. Die for assembling cloth-covered articles. 1,957,842; May 8.
- McDonough, Thomas A., et al. (See Scott, E. J., and Cutler, assignors.)
- McDonough, Thomas A., et al. (See Zim, Jesse G., assignor.)
- McDougal, Taine G., assignor to A C Spark Plug Company, Flint, Mich. Ceramic process. 1,955,821; Apr. 24.
- McDougall, George F., Portland, Ore. Safety motor for pressing machines. 1,965,106; July 3.
- McDow, Lester, Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Thrashing machine. 1,949,725; Mar. 6.
- McDowell, Albert, Los Angeles, Calif., assignor of one-half to Joseph Hajos, St. Louis, Mo. Closure for containers. 1,952,813; Mar. 27.
- McDowell, Chester A., and C. F. Buente, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Metal trimming mechanism. 1,958,059; May 8.
- McDuffie, William C., receiver. (See Day, D. E., and Holzapel, assignor.)
- McEachern, Joseph H., San Anselmo, assignor to Standard Oil Company of California, San Francisco, Calif. Bottle dispensing rack. 1,962,608; June 12.
- McEachron, Edgar J., R. S. Johnson, H. G. Jensen, O. E. Ithoff, G. H. Schroeder, and O. J. Krueger, assignors to Marathon Battery Company, Wausau, Wis. Cell construction. 1,956,243; Apr. 24.
- McEachron, Edgar J., and R. S. Johnson, assignors to Marathon Battery Company, Wausau, Wis. Battery construction. 1,966,590; July 17.
- McEachron, Karl B., E. G. Newton, and R. S. Bennett, Pittsfield, Mass., assignors to General Electric Company. Electrical by-pass. 1,971,194; Aug. 21.
- McElgin, John. (See Ewald, W., and McElgin.)
- McElroy, John H., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding device. 1,966,900; July 17.
- McElroy, John H., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding apparatus. 1,984,890; Dec. 18.
- McElroy, Karl P., Washington, D. C., assignor to The Permutit Company, New York, N. Y. Making base exchange silicates. 1,961,902; June 5.
- McElroy, Roy H. (See Langenkamp, A. G., and McElroy.)
- McElroy, Roy H., and A. G. Langenkamp, assignors to The International Clay Machinery Company, Dayton, Ohio. Auger machine. 1,964,266; June 26.
- McElroy, Thomas L., assignor to W. T. Ball, Brooklyn, N. Y. Matrix. 1,958,519; May 15.
- McElroy, William A., San Francisco, Calif. Artificial limb. 1,951,622; Mar. 20.
- McElwain, J. F. (See Shea, John J., assignor.)
- McElwain, James R., Kenosha, Wis. Toothbrush. 1,944,797; Jan. 23.
- McEvoy, Clifford, Pittsburgh, Pa. Automatic time controlled animal feeder. 1,961,008; May 29.
- McEvoy, Clifford, Pittsburgh, Pa. Automatic time-controlled animal feeder. 1,966,017; July 10.
- McEvoy, J. H., & Company. (See Howard, James H., assignor.)
- McEvoy, J. H., & Company. (See Howard, J. H., and McEvoy, assignors.)
- McEvoy, J. H., & Company. (See Johnson, Edwin A., assignor.)
- McEvoy, Joseph H., jr. (See Howard, J. H., and McEvoy.)
- McEwan, James J. (See Ostling, C. A., and McEwan.)
- McEwan, James J., Pontiac, Mich. Drain flushing device. 1,977,319; Oct. 16.
- McEwan, John, assignor of one-half to J. J. Kelly, Trenton, N. J. Process of and apparatus for molding articles. 1,948,989; Feb. 27.
- McEwen, John A. (See Willock, J. P., and McEwen.)
- McFadden, Fay, Rutland, Vt. Optical demonstration apparatus. 1,981,964; Nov. 27.
- McFadden, George H., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Gas heater. Des. 94,038; Dec. 11.
- McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric lamp. Des. 93,679; Mar. 6.
- McFadden, John H., Lincoln, Nebr. Track gauging device. 1,984,650; Dec. 18.
- McFadden, Robert W., assignor to The Will-Burt Co., Orrville, Ohio. Hopper for stokers. Des. 93,280; Sept. 11.
- McFadden, William J., Cedar Rapids, Iowa. Surgical instrument. 1,943,543; Jan. 16.
- McFadin, Searcy L., Borger, Tex., assignor to E. W. Hines, trustee, Cordell, Okla. Electrical control system. 1,959,379; May 22.
- McFall, Thurlow E., and C. H. Warren, Sparta, Mich. Ring holding arbor. 1,944,255; Jan. 23.
- McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric blasting cap package and forming the same. 1,953,141; Dec. 4.
- McFarland, James C., Fort Thomas, assignor to The Wadsworth Watch Case Company, Incorporated, Dayton, Ky. Age hardening silver of sterling or higher standard. 1,984,225; Dec. 11.
- McFarland, James L., Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,967,098; July 17.
- McFarland, Owen D., Chicago, Ill., assignor, by mesne assignments, to Asphalt Process Corporation, New York, N. Y. Fluid-tight juncture and packing same. 1,954,454; Apr. 10.
- McFarlane, Edwin C., Pearl River, N. Y. Method of and apparatus for conveying sheet material. 1,947,211; Feb. 13.
- McFarlane, John W. (See Tuttle, C. M., White, and McFarlane.)
- McFarlane, John W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 1,966,303; July 10.
- McFarlane, Maynard D., New York, N. Y. Web detector for printing presses. 1,978,589; Oct. 30.
- McFarlane, Maynard D., and W. Baumrucker, jr., New York, N. Y. Transparency meter. 1,967,583; July 24.
- McFaul, Joseph H., Queens Village, N. Y. Making a corrugated fastener. 1,981,869; Nov. 27.
- McFeatters, Joseph S. (See Jackman, Elmer F., assignor.)
- McFerran, John B., jr., assignor to Louisville Electric Manufacturing Company, Louisville, Ky. Oil dispensing device. 1,960,389; May 29.
- McFerren, Willard L., Saugus, Calif. Lubricating system. 1,967,251; July 24.

- McGall, Philip K., Orange, assignor to Best Manufacturing Company, Irvington, N. J. Mechanical movement transmitting apparatus. 1,950,857; Mar. 13.
- McGall, Philip K., Orange, N. J., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Snap switch. 1,960,020; May 22.
- McGarr, Walter J., Cordele, Ga. Automatic space closure for doors. 1,956,127; Apr. 24.
- McGary, Oscar C., and W. A. McGary, Hartford City, Ind. Sliding door trackway. 1,949,805; Mar. 6.
- McGary, William A. (See McGary, Oscar and W. A.)
- McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Coating fabric. 1,946,090; Feb. 6.
- McGavack, John, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Producing rubber articles. 1,960,445; May 29.
- McGavack, John, Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber latex. 1,983,703; Dec. 11.
- McGavack, John, Leonia, and R. F. Tefft, Nutley, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of latex. 1,981,184; Nov. 20.
- McGaw, Sidney A., Albany, Calif. Crate. 1,982,222; Nov. 27.
- McGee, Edgar L., Scottdale, assignor to Fluid Seal Corporation, Connellsville, Pa. Fluid seal. 1,949,428; Mar. 6.
- McGee, Edgar L., Scottdale, Pa., assignor to Fluid Seal Corporation. Fluid seal. 1,949,429; Mar. 6.
- McGee, Frank R., Steubenville, Ohio. Hot blast stove. 1,942,762; Jan. 9.
- McGee, Howard H., New York, N. Y., assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Rubber bag. 1,955,008; Apr. 17.
- McGee, James W., Tracy, Calif. Drying and washing reel. 1,976,242; Oct. 9.
- McGee, Joseph W., New York, N. Y. Shoe. Des. 93,989; Dec. 4.
- McGee, Leland T. and R. H., assignors of one-half to Abram van Weerdhuizen, Ripon, Calif. Bean cutter. 1,971,495; Aug. 28.
- McGee, Lemuel C. (See Koch, F. C., McGee, and Gallagher.)
- McGee, Leonard L., Turlock, Calif. Hydraulic snubber. 1,950,685; Mar. 13.
- McGee, Raymond H. (See McGee, Leland T. and R. H.)
- McGeorge, Herbert. (See Tyler, R. S., and McGeorge.)
- McGetrick, John J. (See Robinson, T. A., and McGetrick.)
- McGiffert, John R., and O. L. Berby, assignors to Clyde Iron Works, Duluth, Minn. Safety brake. 1,976,406; Oct. 9.
- McGill, Andrew D. (See Wright, S. M., and McGill.)
- McGill, Charles S., assignor to McGill Manufacturing Company, Valparaiso, Ind. Portable hand lamp. 1,953,623; Apr. 3.
- McGill, Chester T., Elgin, Ill. Water softener. 1,962,663; June 12.
- McGill, Henry, Canterbury, Melbourne, Victoria, Australia. Variable speed power transmission mechanism. 1,983,916; Dec. 11.
- McGill Manufacturing Company. (See McGill, Charles S., assignor.)
- McGill Manufacturing Company. (See Nielsen, William, assignor.)
- McGill Manufacturing Company. (See Popp, Rudolf, assignor.)
- McGill Manufacturing Co. (See Snelson, Samuel L., assignor.)
- McGill, Russell. (See Burke, C. E., and McGill.)
- McGill, William H., Winchester, Mass. Grindstone and treating same. 1,959,059; May 15.
- McGill, William J., Alton, Ill., and C. E. Adams, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Propane dewaxing process. 1,977,055; Oct. 16.
- McGillvray, Christopher G., Tulsa, Okla. Foundation and attic ventilator. 1,973,645; Sept. 11.
- McGinnis, Baldy, Roswell, Ga. Cotton moistening device. 1,956,450; Apr. 24.
- McGinnis, Orris. (See Estes, P. H., and McGinnis.)
- McGirr, Theodore G., Brooklyn, N. Y. Pile wire. 1,951,736; Mar. 20.
- McGiveran, Stanley J., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,148; May 1.
- McGlamery, Conrad A. (See Grimes, Robert B., assignor.)
- McGlumphy, James H. (See Hixon, R. M., McGlumphy, Eichinger, and Buchanan.)
- McGogy, Donald H. (See Butt, R. A., and McGogy.)
- McGovern, Byrne, Evansville, Ind., and A. O. Ketchum, Columbus, Ohio, assignors to Owens-Illinois Glass Company. Leach feeder. 1,967,366; July 24.
- McGovern, James A., New York, N. Y. Static reducing device. 1,974,189; Sept. 18.
- McGowen, Thomas H., Butler, Pa., assignor to Spaide Shirt Company. Shirt pressing machine. 1,942,254; Jan. 2.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Glider. Des. 92,012; Apr. 17.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Glider. Des. 92,013; Apr. 17.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Furniture. 1,942,301; Jan. 2.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Furniture. 1,942,302; Jan. 2.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Swing. 1,944,445; Jan. 23.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Swing. 1,944,446; Jan. 23.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Furniture. 1,952,768; Mar. 27.
- McGowen, William R., assignor to The McKay Company, Pittsburgh, Pa. Swing. 1,959,032; May 15.
- McGrail, Thomas E., Montreal, Quebec, Canada. Sheet metal radiator. 1,946,227; Feb. 6.
- McGrail, Thomas E., assignor to Crane Limited, Montreal, Quebec, Canada. Radiator. 1,947,913; Feb. 20.
- McGrail, Thomas E., assignor to Warden King Limited, Montreal, Quebec, Canada. Radiator. 1,969,985; Aug. 14.
- McGrail, Thomas E., assignor to Crane Limited, Montreal, Quebec, Canada. Humidifier. 1,969,986; Aug. 14.
- McGrath, Harry P., St. Louis County, Mo. Rake cleaner. 1,965,663; July 10.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter control. 1,962,252; June 12.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Power plant control. 1,968,951; Aug. 7.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Starter drive. 1,969,987; Aug. 14.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Back-fire release for internal combustion engines. 1,981,120; Nov. 20.
- McGrath, William L., assignor to The Eclipse Machine Company, Elmira, N. Y. Controlling mechanism for internal combustion engines. 1,982,114; Nov. 27.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Starter gearing. 1,985,182; Dec. 18.
- McGraw Electric Company. (See Scharf, Frank W., assignor.)
- McGregor, Alexander G., London, England. Melting and refining metals. 1,965,928; July 10.
- McGregor, Allan L., Stevensville, assignor of one-half to John De Vries, St. Joseph, Mich. Sled. 1,972,349; Sept. 4.
- McGregor, Thomas A. (See Saunders, W. S., and McGregor.)
- McGregor, William A., Bradford, Pa. Oil well pump. 1,971,270; Aug. 21.
- McGrew, John A., Albany, N. Y. Auxiliary propulsion unit. 1,952,271; Mar. 27.
- McGrew, John A., Albany, N. Y. Auxiliary propulsion unit. 1,952,272; Mar. 27.
- McGuiness, William, Chicago, Ill. Boiler. 1,959,033; May 15.
- McGuinness, Bernard A., Belmont, Mass. Window grating. 1,966,636; July 17.
- McGuire, Irving J., Dolgeville, N. Y. Automatic drain valve. 1,971,459; Aug. 28.
- McGuire, Lee R., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel for transporting cable. 1,944,188; Jan. 23.
- McGuirk, Charles W., deceased, by M. McGuirk, Albany, N. Y., administratrix; said C. W. McGuirk assignor to Barco Manufacturing Co., Chicago, Ill. Flexible metallic coupling. Re19,132; Apr. 3.
- McGuirk, Mary, administratrix. (See McGuirk, Charles W.)
- McHaffie, Ivan R. (See Duggan, H., and McHaffie.)
- McHale, Michael J., Scranton, Pa. Radiator cabinet. 1,959,834; May 22.
- McHale, Michael J., Scranton, Pa. Flier construction. 1,961,672; June 5.
- McHale, Michael J., Scranton, Pa. Flier block construction. 1,962,693; June 12.
- McHale, Michael J., Scranton, Pa. Thread guide. 1,965,044; July 3.
- McHale, Michael J., Scranton, Pa. Flier construction. 1,966,304; July 10.
- McHale, Michael J., Scranton, Pa. Flier construction. 1,973,261; Sept. 11.
- McHale, Michael J., Scranton, Pa. Flier construction. 1,977,004; Oct. 16.
- McHale, Roy M. (See McDonald, C. S., Putnam, and McHale.)
- McHenry, Earl O., Hoytville, and J. F. Noble, Custar, Ohio. Tractor wheel. 1,955,197; Apr. 17.
- McHenry, Frank. (See Malkin, B. A., and McHenry.)
- McHenry, Robert, Baltimore, Md., assignor to Reid-Avery Company, Philadelphia, Pa. Covered weld rod or wire and making same. 1,960,194; May 22.
- McHugh, Anthony L., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Sealing device. 1,947,017; Feb. 13.
- McIlhagga, George R., assignor to George R. McIlhagga & Company, Belfast, Ireland. Razor blade. Des. 92,361; May 29.
- McIlhagga, George R., & Company. (See McIlhagga, George R., assignor.)
- McIlrath, Arnold, Pittsburgh, Pa., assignor to Hubbard and Company. Trolley for mast arms. 1,959,172; May 15.
- McIlroy, Rupert B., and L. E. Baker, Moore Haven, Fla. Storm chart. 1,985,259; Dec. 25.

- McIlvaine, Douglas K., Connellsville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric meter. 1,985,048; Dec. 18.
- McIlvaine, Oran T., Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Rectifier tube. 1,946,354; Feb. 6.
- McIlvaine, Oran T., Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Thermionic tube. 1,969,658; Aug. 7.
- McIlvaine, Oran T., Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Vacuum gauge. 1,971,423; Aug. 28.
- McIlvaine, Oran T., East Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Electronic tube. 1,965,849; July 10.
- McIlvaine Patent Corporation. (See McIlvaine, Oran T., assignor.)
- McIlvried, Edwin J., Akron, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Winding apparatus. 1,946,802; Feb. 13.
- McIlvried, Edwin J., Akron, Ohio, assignor, by mesne assignments, to Electrical Research Products Inc., New York, N. Y. Apparatus for handling material. 1,948,305; Feb. 20.
- McIlvried, Edwin J., Akron, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire drawing mechanism. 1,950,901; Mar. 13.
- McIlvried, Edwin J., Akron, Ohio, assignor, by mesne assignments, to Electrical Research Products, Inc., New York, N. Y. Locking mechanism. 1,961,376; June 5.
- McIlvried, Edwin J., Akron, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Guide and hold-down for strand working apparatus. 1,967,834; July 24.
- McIlvried, Edwin J., Akron, and J. C. Bittman, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Servo-motor. 1,943,029; Jan. 9.
- McIlvried, Edwin J., Akron, and J. C. Bittman, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire drawing apparatus. 1,966,305; July 10.
- McIlvried, Edwin J., Akron, and J. C. Bittman, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Fluid distributing means for wire drawing machines. 1,972,746; Sept. 4.
- McIlvried, Edwin J., Akron, and J. C. Bittman, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Spooling apparatus. 1,981,563; Nov. 20.
- McIlwain, Daniel V., Scottsbluff, Nebr. Bicycle. 1,981,737; Nov. 20.
- McIlwee, Eileen M., San Diego, Calif. Illuminating mirror. 1,973,908; Sept. 18.
- McInerney, John, New York, N. Y. Yielding wall joint. 1,975,470; Oct. 2.
- McIntire, Charles C. (See Weigel, A. C., McIntire, and Bowman.)
- McIntire, Charles V., Short Hills, N. J., assignor to Smet-Solvay Engineering Corporation, New York, N. Y. Coke oven door machine. 1,966,075; July 10.
- McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Enclosure for radiators. 1,952,327; Mar. 27.
- McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Radiator enclosure. 1,952,328; Mar. 27.
- McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Apparatus for making radiators. 1,970,760; Aug. 21.
- McIntire, Thomas S., Wakefield, Mass. Automatic closure. 1,952,178; Mar. 27.
- McIntosh, Andrew M., Alameda, Calif. Hydraulic puller. 1,964,524; June 26.
- McIntosh, Burnett, Floral Park, assignor to Frank A. Hall & Sons, New York, N. Y. Bed bottom. 1,970,387; Aug. 14.
- McIntosh, Frank, assignor to Lenthier Incorporated of New York City, N. Y. Powder box. Des. 92,915; July 31.
- McIntosh, Gordon J., and L. H. Caldwell, Youngstown, Ohio. Portable refrigerated tray. 1,976,353; Oct. 9.
- McIntosh, Harold W. (See Wadman, H. A., and McIntosh.)
- McIntosh, Harold W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Glass level control mechanism and method. 1,977,969; Oct. 23.
- McIntosh, Henry. (See Kasten, J. H., and McIntosh.)
- McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Spray gun. 1,964,127; June 26.
- McIntosh, Roy E., New York, N. Y., assignor to J. Edward Orden Company, Inc., East Orange, N. J. Expansion shield or bolt anchor. 1,959,439; May 22.
- McInturf, Jeff. (See Cox, Albert P., assignor.)
- McIntyre, Brouwer D., assignor to Insulation Development Corporation, Monroe, Mich. Sound absorbing panel. 1,947,788; Feb. 20.
- McIntyre, Edna M., et al., executors. (See Cox, G. C., and McIntyre.)
- McIntyre, Frank W., Ocean Beach, Calif. Aircraft. 1,975,116; Oct. 2.
- McIntyre, Frederic, Newton, Mass. Metering pump for cellulose compounds. 1,972,271; Sept. 4.
- McIntyre, Glenn H., and R. W. Stuart, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Making vitreous materials. 1,963,910; June 19.
- McIntyre, Gordon, and E. G. Ulbricht, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Stabilizing the color of naphthas. 1,985,613; Dec. 25.
- McIntyre, Gould C., Hopewell, Va. Combination carbide and water container. 1,976,622; Oct. 9.
- McIntyre, Harold W., Sweetwater, Tex. Toothbrush. 1,943,225; Jan. 9.
- McIntyre, Henry K. (See Cox, G. C. and McIntyre.)
- McIntyre, John C., St. Petersburg, Fla., assignor to Sprague-Sells Corporation, Hoopston, Ill. Corn cutter. 1,983,557; Dec. 11.
- McIntyre, John D., Roslindale, Mass. Cap applier and remover. 1,954,422; Apr. 10.
- McIntyre, Malcolm, et al., executors. (See Cox, G. C., and McIntyre.)
- McIntyre, Patrick J., Detroit, Mich. Tube coupling. 1,969,142; Aug. 7.
- McIntyre, Peter F. (See Fingland, J. J., Turnbull, and McIntyre.)
- McKaig-Hatch, Inc. (See Kempf, Karl F. W., assignor.)
- McKaig, Thomas H., Buffalo, N. Y. Metal structure. 1,974,430; Sept. 25.
- McKay Company, The. (See Bond, Frank A., assignor.)
- McKay Company, The. (See Gentzler, Mervin, assignor.)
- McKay Company, The. (See Goodman, Percival, assignor.)
- McKay Company, The. (See McGowen, William R., assignor.)
- McKay Company, The. (See Senft, John, assignor.)
- McKay Company, The. (See Yassay, Joseph, assignor.)
- McKay, Eugene H., assignor to Kellogg Company, Battle Creek, Mich. Cereal food. 1,945,946; Feb. 6.
- McKay, Eugene H., assignor to Kellogg Company, Battle Creek, Mich. Cereal food. 1,945,947; Feb. 6.
- McKay, Eugene H., assignor to Kellogg Company, Battle Creek, Mich. Cereal food. 1,946,803; Feb. 13.
- McKay, James A. (See Raby, R. L., and McKay.)
- McKay, Jefferson F., Denver, Colo. Portable table for power band saws. 1,960,590; May 29.
- McKay, William, Los Angeles, Calif. Etching machine. 1,961,773; June 5.
- McKean, John C. (See Van Patter, H. S., and McKean.)
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Package winding machine. 1,950,990; Mar. 13.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Stop motion. 1,958,060; May 8.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Package winding machine. 1,956,259; July 10.
- McKee, Garnet W., Rockford, Ill. Furnace. 1,949,726; Mar. 6.
- McKee, Garnet W., Rockford, Ill. Regulator. 1,950,120; Mar. 6.
- McKee, Garnet W., Rockford, Ill. Governor. 1,950,121; Mar. 6.
- McKee, Garnet W., Rockford, Ill. Fuel burning apparatus. 1,976,080; Oct. 9.
- McKee Glass Company. (See Poglein, Louis.)
- McKee Glass Company. (See Wagenlander, George, assignor.)
- McKee, Harry H. (See Dziedzic, N. J., and McKee.)
- McKee, Harry H., assignor to Industrial Patents Corporation, Chicago, Ill. Treating meat. 1,971,460; Aug. 28.
- McKee, Harry H., and N. Dziedzic, assignors to Industrial Patents Corporation, Chicago, Ill. Spacing conveyor. 1,976,855; Oct. 16.
- McKee, James, Media, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for making grease. 1,961,903; June 5.
- McKee, James H., Pittsburgh, Pa., assignor to Pittsburgh Screw & Bolt Corporation. Adding metal to finished propeller blades. 1,952,086; Mar. 27.
- McKee, John F., Lansdowne, assignor to Yarnall-Waring Company, Philadelphia, Pa. Stuffing box and packing the same. 1,953,493; Apr. 3.
- McKee, Joseph, Norwood, assignor, by mesne assignments, to Union Sandpaper Company, Boston, Mass. Abrasive article. 1,944,898; Jan. 30.
- McKee, Ralph H., Jersey City, N. J. Hydrogenating and distilling oil shale. 1,941,809; Jan. 2.
- McKee, Ralph H., Jersey City, N. J. Pulsation eliminator for rayon systems. 1,958,009; May 8.
- McKee, Ralph H., Jersey City, N. J. Recovery of organic constituents from black liquor. 1,958,439; May 15.
- McKee, Ralph H., New York, N. Y. Propagation of trees from cuttings. 1,948,030; Jan. 9.
- McKee, Ralph H., and F. A. Hessel, New York, N. Y. Ink remover. 1,968,304; July 31.
- McKee, Ralph H., New York, and H. B. Faber, Brooklyn, N. Y. Producing phenylstearic acid. 1,972,568; Sept. 4.
- McKee, Raymond, Brentwood Heights, Calif. Cracker and making same. 1,965,082; July 3.
- McKee, Stanley H., and A. R. Finch, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Method and apparatus for electric welding. 1,972,629; Sept. 4.
- McKeefe, Edward P. (See Bradley, L., and McKeefe.)
- McKenna Brass & Manufacturing Company, Inc. (See De Markus, Louis, assignor.)
- McKenna, Hugh H., assignor, by mesne assignments, to Wonderful Development Co., Inc., Los Angeles, Calif. Classifying solids. 1,966,988; July 17.

- McKenna, James, Lisburn, Ireland. Templet for facilitating the drawing of geometrical patterns. Des. 91,466; Feb. 6.
- McKenna, Mary L., New York, N. Y. Protective folder. 1,967,584; July 24.
- McKenna, William E., Lynn, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Manufacture of shoes. 1,952,329; Mar. 27.
- McKenney, George F., Cleveland, Ohio. Wall construction. 1,962,568; June 12.
- McKenney, Guy C., assignor to Porter Screen Company. Winooski, Vt. Collapsible table. 1,961,241; June 5.
- McKenney, Guy C., assignor to Porter Screen Company. Winooski, Vt. Table. 1,975,857; Oct. 9.
- McKenzie, Albert E., Brandon, Manitoba, Canada. Seed display stand. 1,950,991; Mar. 13.
- McKenzie, Allen, assignor to Wilson & Co., Inc., Chicago, Ill. Apparatus for quick freezing of articles. 1,969,418; Aug. 7.
- McKenzie, Edward R., Memphis, Tenn. Elevator lubricator. 1,981,277; Nov. 20.
- McKenzie, Henry J. (See Wade, John B., assignor.)
- McKenzie, Herman E., Big Bay, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin. 1,969,378; Aug. 7.
- McKenzie, Roby E. (See Young, P. S., and McKenzie.)
- McKeown, Herbert O., Durban, Natal, Union of South Africa. Adjustable clamp for securing concrete shuttering or centering. 1,956,771; May 1.
- McKeown, James. (See Ainslie, T. D., and McKeown.)
- McKeown, James, Woodbridge, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Preparing an alkali metal perborate. 1,978,953; Oct. 30.
- McKeown, Samuel C. (See Van Deventer, H. R., and McKeown.)
- McKesson, Albert, Chicago, Ill. Take-up device for flexible conductors. 1,943,134; Jan. 9.
- McKesson, Claude L., L. G. Thompson, Oakland, and W. D. Buckley, Berkeley, assignors to American Bitumuls Company, San Francisco, Calif. Bituminous emulsion. 1,973,991; Sept. 18.
- McKesson, Elmer I., Toledo, Ohio. Wound treatment. 1,955,140; Apr. 17.
- McKesson, Elmer I., Toledo, Ohio. Breathing therapy apparatus. 1,979,981; Nov. 6.
- McKettrick, William A., Tacoma, Wash. Joint. 1,978,643; Oct. 30.
- McKey, Frank M. (See Maurer, Russell L., assignor.)
- McKey, Frank M., receiver. (See Brian, William S., assignor.)
- McKey, Frank M., receiver in bankruptcy. (See Edwards, Fred M.)
- McKey, Frank M., receiver in bankruptcy. (See Shelin, T. G., and Fuchs, assignors.)
- McKibben, Wayne E., Scotia, N. Y., assignor to General Electric Company. Vacuum induction apparatus. 1,971,195; Aug. 21.
- McKillop, Edgar A., Hendersonville, N. C. Device for cleaning bobbins. 1,945,654; Feb. 6.
- McKim, James B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,946,228; Feb. 6.
- McKinley, Cecilia F. (See Ford, John F., assignor.)
- McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil filtration system. 1,955,822; Apr. 24.
- McKinley, Harry T., J. R. Nichols, B. E. Bruns, and D. E. Ford, Council Bluffs, Iowa. Milk bottle and closure therefor. 1,961,503; June 5.
- McKinley, Howard. (See Smith, H. V., and McKinley.)
- McKinley, John P., Buffalo, N. Y. Washing machine for milk cans. 1,945,059; Jan. 30.
- McKinley, Melvin, assignor to The Coshocot Glove Company, Coshocot, Ohio. Multiple fabric feeding. 1,957,050; May 1.
- McKinley, William A., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Vehicle frame. 1,978,055; Oct. 23.
- McKinney, David S. (See Hecht, M., and McKinney.)
- McKinney, Edward F., Morris, Ill. Pulley construction. 1,957,029; May 1.
- McKinney, Joyce. (See Loomis, J. H., and McKinney.)
- McKinney, Paul E., Bethlehem, Pa., and H. LeLaurin, Washington, D. C. Electroplating the interior surfaces of hollow articles. 1,982,009; Nov. 27.
- McKinney, William D., assignor to W. H. Mattox, Sacramento, Calif. Snow making machine. 1,977,320; Oct. 16.
- McKinnis, Ronald B. (See Kronquest, A. L., and McKinnis.)
- McKinnis, Ronald B., Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Flaked vegetable tissue for extraction. 1,956,424; Apr. 24.
- McKinnis, Ronald B., Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Flaked vegetable tissue for extraction and making the same. 1,956,425; Apr. 24.
- McKinnis, Ronald B., Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Spice product. 1,956,426; Apr. 24.
- McKinnis, Ronald B., Pittsburgh, Pa., assignor to Continental Can Co., Inc., New York, N. Y. Flaked cereal beverage product. 1,956,427; Apr. 24.
- McKinnis, Ronald B., Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Hermetically sealing food products in metal containers. 1,975,012; Sept. 25.
- McKinnon, John A., assignor to Fractional Retort, Inc., Seattle, Wash. Fractional retort. 1,957,347; May 1.
- McKitham, Q. C. (See Willis, Lee E., assignor.)
- McKittrick, Edward. (See McKittrick, William J., assignor.)
- McKittrick, William J., assignor of one-half to E. McKittrick, Lawrence, Kans. Seal. 1,972,198; Sept. 4.
- McKnight, Chad C. (See Baldwin, J. C., and McKnight.)
- McKnight, Edgar W. (See Potter, F. M., and McKnight.)
- McKnight, Edgar W., Bayonne, N. J., assignor to General Cable Corporation, New York, N. Y. Electrical cable and manufacture. 1,943,086; Jan. 9.
- McKnight, Harry F., Elmhurst, Ill. Ignition chamber for explosive motors. 1,959,541; May 22.
- McKnight, Martin T., Mount Airy, N. C. Tool. Des. 93,990; Dec. 4.
- McKone, Archie, Vancouver, British Columbia, Canada. Turntable. 1,982,392; Nov. 27.
- McLachlan, Willard J., Scotia, N. Y., assignor to General Electric Company. Control system. 1,966,208; July 10.
- McLain, Harry J. and H. T., St. Paul, Minn., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Cylinder cock. 1,958,091; May 8.
- McLain, Harry T. (See McLain, Harry J. and H. T.)
- McLanahan, Allen. (See Kerr, C., jr., Candee, King, Harder, and McLanahan.)
- McLaren, Gerald J., Ballston Spa, N. Y. Coin controlled locking means. 1,971,228; Aug. 21.
- McLaren, Gerald J., Ballston Spa, N. Y. Coin detector. 1,975,401; Oct. 2.
- McLaughlin, Denis P., San Diego, Calif. Safety attachment for typesetting machines. 1,946,091; Feb. 6.
- McLaughlin, Fred, Canton, Ill. Replaceable drill tooth. 1,974,117; Sept. 18.
- McLaughlin, Harold J., and J. C. Barreda, New York, N. Y. Combined milk can cover and measuring dispenser. 1,965,045; July 3.
- McLaughlin, Henry, assignor to Heco Envelope Co., Chicago, Ill. Envelope. 1,941,847; Jan. 2.
- McLaughlin, Herrold L. (See McLaughlin, Wilson L. and H. L., and Ballou.)
- McLaughlin, Herrold L. (See Skow, R. E., Ballou, and McLaughlin.)
- McLaughlin, John E. (See Allen, R. G., and McLaughlin.)
- McLaughlin, John E. (See Collins, J. E., and McLaughlin.)
- McLaughlin, John W. (See Sniffin, John G., assignor.)
- McLaughlin, Lawrence, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Printing apparatus. 1,951,430; Mar. 20.
- McLaughlin, Montague, assignor to Fischer & Hayes Rope and Steel Company, Chicago, Ill. Scaffold jack. 1,964,995; July 3.
- McLaughlin, Nelson E., Larchmont, N. Y., assignor to United States Tire Company, Incorporated. Tire display rack. Des. 92,971; Aug. 7.
- McLaughlin, R. Wayne, Scotia, N. Y., assignor to General Electric Company. Hydraulic control system. 1,983,385; Dec. 4.
- McLaughlin, Thomas E. (See White, H. E., and McLaughlin.)
- McLaughlin, Thomas J., Lincoln, Nebr. Portable adjustable grain elevator. 1,950,506; Mar. 13.
- McLaughlin, William B., assignor to Fibreboard Products Inc., San Francisco, Calif. Container. 1,973,960; Sept. 18.
- McLaughlin, Wilson L. and H. L., and V. Ballou, assignors to National Pure Water Corporation, Des Moines, Iowa. Process relating to the production of distilled water. 1,972,350; Sept. 4.
- McLaughlin, Wilson L. and H. L., and V. Ballou; said H. L. McLaughlin and said V. Ballou assignors of their entire right to National Pure Water Corporation, Des Moines, Iowa. Steam generator. 1,979,394; Nov. 6.
- McLaurin, King H., Duquesne, Pa. Apparatus for stripping ingot molds. 1,963,307; June 19.
- McLaurin, William W., deceased, Brookfield, Mass., Old Colony Trust Company, executor. Reinforcing and sealing cartons and material therefor. 1,953,183; Apr. 3.
- McLaurin, William W., deceased, Brookfield, Mass.; Old Colony Trust Company, executor. Adhesive. 1,969,659; Aug. 7.
- McLaurin, William W., deceased, Brookfield, Mass.; Old Colony Trust Company, executor. Machine for applying reinforcing and sealing tapes. 1,969,660; Aug. 7.
- McLaws, Adam J., Jacksonville, assignor of one-fourth to E. Cohen, West Palm Beach, Fla. Plumb bob. 1,949,652; Mar. 6.
- McLean, Harold D. (See Dunn, R. J., and McLean.)
- McLean, Nathan R. T. (See Wilkie, J. C., and McLean.)
- McLean, Philip S., Bloomfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerator door release. 1,979,165; Oct. 30.
- McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Cutter. 1,964,786; July 3.
- McLees, Truman R. (See Fuqua, J. E., and McLees.)
- McLeish, William S. (See Tucker, H. W., and McLeish.)
- McLeland, Jerome, Seattle, Wash. Marine anchor. 1,978,844; Oct. 30.
- McLellan, Arthur, Los Angeles, Calif. Separator. 1,976,856; Oct. 16.

- McLeod, Albert E., Kenton, assignor to The M-O Valve Company Limited, London, England. Electric discharge device. 1,942,824; Jan. 9.
- McLeod, Albert R., Sydney, assignor, by mesne assignments, to H. A. Greator, Bellevue Hill, New South Wales, Australia. Refrigerating system. 1,956,451; Apr. 24.
- McLeod, Clifford J., Quincy, Mass. Toy. 1,943,129; Jan. 9.
- McLhinney, John J., Western Springs, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Forming hermetically sealed metal cans. 1,962,280; June 12.
- McLintock, John, Dennistoun, Glasgow, Scotland. Bearing of axles and shafts. 1,946,409; Feb. 6.
- McLoughlin, Harold F., and F. W. Osborne, Birmingham, England. Electric switch. 1,979,277; Nov. 6.
- McMahon, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Fan blade. 1,964,525; June 26.
- McMahon, Stanley, Sevierville, Tenn. Pulverizer. 1,977,771; Oct. 23.
- McMahon, Allen, Lena, Wis. Seal for silos. 1,949,572; Mar. 6.
- McMahon, Bernard, Kooyong, Victoria, Australia. Grip for use in straining and jointing electrical conductors, wires, and the like. 1,966,989; July 17.
- McMahon, George F., assignor to Schweitzer & Conrad Inc., Chicago, Ill. Arc extinguishing liquid for circuit interrupters and the like. 1,966,901; July 17.
- McMahon, Harry R., Coraopolis, Pa., assignor to Standard Steel Spring Company. Bumper end construction. Re19,050; Jan. 16.
- McMakin, Davis. (See Marker, V. N., and McMakin.)
- McManama, Bernard M., Pittsburgh, Pa. Flush tank and hopper ensemble. 1,963,709; June 19.
- McManaman, Patrick J., Cleveland, Ohio. Automobile signal. 1,943,833; Jan. 16.
- McManis, Fred, assignor to W-K-M Company, Inc., Houston, Tex. Pipe painting device. 1,957,791; May 8.
- McManis, Fred, assignor to W-K-M Company, Houston, Tex. Outside pipe cleaning machine. 1,957,792; May 8.
- McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container. Des. 93,940; Nov. 27.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Bottle cap. 1,984,752; Dec. 18.
- McMaster, Albert L., Lynn, Mass., assignor to Krippendorf Calculator Company, Portland, Ore. Recording cutting operations performed upon sheet material. 1,953,684; Apr. 3.
- McMaster, Albert L., Lynn, Mass., assignor to Krippendorf Calculator Company, Portland, Maine. Apparatus for marking sheet material. 1,962,253; June 12.
- McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Photo-cell circuits. 1,984,312; Dec. 11.
- McMaster, Donald, assignor to Eastman Kodak Company, Rochester, N. Y. Film magazine construction. 1,942,869; Jan. 9.
- McMaster, John D., Jersey City, N. J. Display device. 1,972,155; Sept. 4.
- McMaster, John W., and C. Wallace, assignors of one-fifth to F. M. Ostrander, Merced, Calif. Engine fuel heater. 1,958,833; May 15.
- McMath, John F., Oakland, Calif. Toothbrush. 1,968,303; July 31.
- McMath, Robert R., and O. F. Nelson, Detroit, Mich. Ice cream freezer or the like. 1,953,766; Apr. 3.
- McMiba Corporation. (See McCullough, Joel S., assignor.)
- McMickle, Alda, Redmond, Ore. Measuring non-spilling creamer attachment for coffee cups. 1,948,932; Feb. 27.
- McMillan, Angus, Oakland, Calif. Bread knife grinding machine. 1,961,504; June 5.
- McMillan, Howard O., Minneapolis, Minn. Tie clamp. 1,960,502; May 29.
- McMillan, Howard O., Minneapolis, Minn. Holder for toothbrushes. 1,972,532; Sept. 4.
- McMillan, James T., St. Paul, Minn., assignor to Packers Equipment Development Company, Chicago, Ill. Pan filling apparatus. 1,955,009; Apr. 17.
- McMillan, Roy G., Ontario, Canada. Toothbrush holder. 1,954,085; Apr. 10.
- McMillan, William, Baltimore, Md. Flexible cover for vehicles. 1,950,927; Mar. 13.
- McMillen, Herbert L., Tulsa, Okla., assignor to The Independent-Eastern Torpedo Company, Findlay, Ohio. Increasing the production of deep wells. 1,969,230; Aug. 7.
- McMillin, Jesse L., Cincinnati, Ohio. License plate holder. 1,962,664; June 12.
- McMulkin, James C., Woodsford, Maine, and P. M. Hammett, Long Island City, N. Y., assignors to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Pressure gauge and minimum pressure indicator. 1,957,030; May 1.
- McMullen, Allen, Number Four, N. Y. Trap. 1,961,075; May 29.
- McMullen, Carlton L., Toronto, Ontario, Canada, assignor to Patent Enterprises Limited. Recording device mechanism for meters. 1,967,677; July 24.
- McMullen, Donald R., assignor to Wright Austin Company, Detroit, Mich. Gauge glass illuminator. 1,979,982; Nov. 6.
- McMullen, George, Saginaw, Mich. Safety belt. 1,971,571; Aug. 28.
- McMullen, John, Buffalo, N. Y., and J. T. Gallagher, Chicago, Ill. Load bracing means for railway cars and other transport. 1,970,610; Aug. 21.
- McMullen, Ralph W., assignor of one-half to H. H. Rice, Detroit, Mich. Razor sharpening device. 1,971,867; Aug. 28.
- McMullen, Robert T., Washington, D. C. Tile. 1,952,814; Mar. 27.
- McMuller, Percy H. (See Lundgren, William E., assignor.)
- McMurchy, Donald F., Belle Harbor, N. Y., assignor to Standard Gas Equipment Corporation. Metal tubular frame structure and fabricating the same. 1,972,309; Sept. 4.
- McMurray, Frederick R., assignor to M. B. Skinner Co., South Bend, Ind. Pipe joint sealing device. 1,948,274; Feb. 20.
- McMurray, Harry G., Wakefield, and M. G. Norman, Beverly, assignors to Beckwith Manufacturing Company, Boston, Mass. Safety box toe shoe. 1,954,677; Apr. 10.
- McMurray, Jason H., Buford, Ga. Clasp. 1,944,646; Jan. 23.
- McMurray, John C., Winthrop Center, Mass. Testing device for internal combustion engines. 1,948,882; Feb. 27.
- McMurray, William G., assignor to M & V Tank Company, Wichita Falls, Tex. Heated separator tank for oil field emulsions. 1,946,229; Feb. 6.
- McMurray, William G., assignor to M & V Tank Company, Wichita Falls, Tex. High pressure separator. 1,959,440; May 22.
- McMurtry, Ulysses B., Toronto, Ontario, Canada. Chair. 1,979,278; Nov. 6.
- McNab, Alexander D. (See Jones, James E., assignor.)
- McNab, Leslie M., Killara, near Sydney, New South Wales, Australia. Lather applying device. 1,950,313; Mar. 6.
- McNabb, Frederick W., et al. (See Paterson, David, assignor.)
- McNabb, James N., R. E. Cowan, and W. E. Craiglow, Wichita, Kans. Precast burial vault. 1,969,410; Aug. 7.
- McNabb, Joseph H., Winnetka, assignor to The Bell & Howell Company, Chicago, Ill. Sound reproducing apparatus. 1,954,392; Apr. 10.
- McNair, Frederick M. (See Emhardt, J. C., McNair, and Schwartz.)
- McNair, John F., Westbrook, Maine. Burr-cutting attachment for adjustable pipe die stocks. 1,966,128; July 10.
- McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Power system. 1,949,216; Feb. 27.
- McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Centrifugal switch. 1,959,173; May 15.
- McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Control system. 1,960,060; May 22.
- McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Protective system. 1,968,611; July 31.
- McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Circuit breaker and calibrating the same. 1,971,196; Aug. 21.
- McNally, Edwin M., assignor to The Tefra Co., Indianapolis, Ind. Toothbrush. 1,945,559; Feb. 6.
- McNally, James G., assignor to Eastman Kodak Company, Rochester, N. Y. Substratum for photographic elements. 1,981,425; Nov. 20.
- McNally, James G., and N. F. Beach, assignors to Eastman Kodak Company, Rochester, N. Y. Noncurling cellulose organic derivative film and making same. 1,984,416; Dec. 18.
- McNamara, Edward M., Chicago, Ill. Mop cloth. 1,977,948; Oct. 23.
- McNamara, Homer C., Greenville, Tex., and R. T. Stutts, Clemson College, S. C. dedicated to the free use of the public. Device for use in making arrays of fibers from seed cotton. 1,957,411; May 1.
- McNamara, James G., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Thermostatic control device. 1,944,358; Jan. 23.
- McNamara, Leo C., I. M. Conway, W. T. Bissell, H. H. Harold, and C. R. Wicker, assignors to Journal Box Servicing Corporation, Indianapolis, Ind. Method and apparatus for filtering used journal box oil. 1,964,326; June 26.
- McNamara, Leon R., Rockford, Ill. Attachment fuse plug. 1,959,211; May 15.
- McNamara, Patrick B. (See Blanding, Joseph E., assignor.)
- McNamara, William L., assignor to Capstan Glass Company, Connellsville, Pa. Vessel transferring mechanism. 1,947,609; Feb. 20.
- McNamara, William L., assignor to Capstan Glass Company, Connellsville, Pa. Transferring device. 1,947,610; Feb. 20.
- McNamee, Owen A., and C. P. Vail, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Holding device. 1,979,756; Nov. 6.
- McNaney, Edward T., Baltimore, Md. Oyster packing apparatus. 1,949,170; Feb. 27.
- McNary, Jacob W., and F. H. Pritchard, Erie, Pa., assignors to General Electric Company. Control system. 1,972,688; Sept. 4.
- McNary, John H., Chelsea, Mass. Heater. 1,958,761; May 15.
- McNary, Robert R. (See Midgley, T., jr., Henne, and McNary.)
- McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Ratchet wrench and making the same. Re19,341; Oct. 16.

- McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Valve guide and unseater. 1,952,087; Mar. 27.
- McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Tool for cleaning commutators and the like. 1,968,215; July 31.
- McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Wrench joint. 1,978,590; Oct. 30.
- McNaughton, Robert L., Chicago, Ill. Water heater. 1,963,442; June 19.
- McNeal, Daniel R. (See Jenkins, J. M., Thompson, and McNeal.)
- McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Heat transfer apparatus. 1,982,010; Nov. 27.
- McNeal, Harry B., et al. (See Fabian, Joseph E., assignor.)
- McNeal, J. Hector. (See Wainwright, Jonathan, jr., assignor.)
- McNeese, Alvin. (See Earle, J. T., and McNeese.)
- McNeil, Charles I., Bloomfield, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,962,995; June 12.
- McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Voltage regulator. 1,976,289; Oct. 9.
- McNeil, Charles I., Bloomfield, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,981,738; Nov. 20.
- McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,985,183; Dec. 18.
- McNeil, Claude P., Whiting, Ind., assignor to The Standard Oil Company, Chicago, Ill. Asphalt from blown petroleum residuums. 1,942,656; Jan. 9.
- McNeil, Richard, Auburndale, Mass. Device for actuating garage doors from a distant point. 1,930,059; Mar. 6.
- McNeil, William, Sydney, New South Wales, Australia. Vehicle suspension spring rebound check. 1,966,990; July 17.
- McNeil, William M. (See Randel, W. S., Dailey, and McNeil.)
- McNeil, William M., assignor to United States Gypsum Company, Chicago, Ill. Wall construction. 1,981,240; Nov. 20.
- McNeill, Frederick, assignor, by mesne assignments, to T. W. McNeill, Chicago, Ill., doing business as Boiler Room Improvement Co. Liquid level indicator. 1,944,943; Jan. 30.
- McNeill, George D., Selma, Calif. Can punch. 1,973,992; Sept. 18.
- McNeill, George K. (See Abbott, A. O., jr., and McNeill.)
- McNeill, George K., assignor to Morgan & Wright, Detroit, Mich. Apparatus for cutting and assembling plies. 1,948,000; Feb. 20.
- McNeill, T. W. (See McNeill, Frederick, assignor.)
- McNemar, Corry E., Manhattan, Kans. Jar top remover. 1,967,960; July 24.
- McNiven, Florence V., Toronto, Ontario, Canada. Fastener for loose covers for fruit baskets and the like. 1,953,624; Apr. 3.
- McNulty, George M. (See Adams, E. W., and McNulty.)
- McNulty, Peter C. (See De Wein, G. F., Eakin, and McNulty.)
- McPartlin, Lloyd J., and H. V. Harding, Detroit, Mich. Rubber safety socket. 1,979,485; Nov. 6.
- McPeak, Frank V., Los Angeles, Calif., assignor, by mesne assignments, to P. J. Campbell, New York, N. Y. Elevator system. 1,946,982; Feb. 13.
- McPhail, Harold R. (See Ruthenburg, L., Replogle, and McPhail.)
- McPhail, Harold R., Detroit, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Valve structure. 1,967,418; July 24.
- McPhee, Clement S., Cranston, assignor to Everett & Barron Company, Providence, R. I. Bottle. Des. 91,363; Jan. 16.
- McPherrin, John W. (See Fuerst, E. W., and McPherrin.)
- McPherson, Bruce, Greenville, S. C. Cigarette package. 1,944,098; Jan. 16.
- McPherson, Frank G., Beaver Falls, Pa. Playing card holder. 1,955,340; Apr. 17.
- McPherson, Harry L., Memphis, Tenn. Cylinder head. 1,942,439; Jan. 9.
- McPherson, Harry L., and J. H. Weatherford, Memphis, Tenn.; said Weatherford assignor to said McPherson. Internal combustion engine. 1,945,818; Feb. 6.
- McPherson, Lewis W., Carrollton, Ga. Attachment for machine guns. 1,945,154; Jan. 30.
- McPherson, Price S., et al. (See Sparks, Samuel W., assignor.)
- McPherson, William R., and P. J. Van Norden, Otsego, Mich. Paper making machine. 1,972,389; Sept. 4.
- McPike, Aubert E., Tulsa, Okla. Minnow trap. 1,976,134; Oct. 9.
- McQuade, Walter. (See Smolak, G., and McQuade.)
- McQuade, Walter, Port Washington, assignor to Johns-Manville Corporation, New York, N. Y. Making structural unit. 1,945,004; Jan. 30.
- McQuaid, Howard S., East Chicago, Ind., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Soldering fluxes. 1,949,916; Mar. 6.
- McQueen, H. M. (See Arbenz, George H., assignor.)
- McQuinn, William Y., jr., Jacksonville, Fla. Douche. 1,973,262; Sept. 11.
- McQuilkin, Dwight E., Roanoke, Va. Collapsible chair. 1,942,112; Jan. 2.
- McQuinn, Emmett G., assignor to Hoosier Manufacturing Company, Newcastle, Ind. Kitchen cabinet. Des. 93,837; Nov. 13.
- McRae, Malcolm W. (See Olson, C. A., Magos, and McRae.)
- McRee, Curtis A., Hamlet, N. C. Rail and wheel flange lubricator. 1,953,423; Apr. 3.
- McReynolds, William E., assignor to H. E. Woodard, Detroit, Mich. Abrading and polishing device. 1,947,054; Feb. 13.
- McRoskey, Edward L., San Francisco, Calif. Mattress tufting machine. 1,977,856; Oct. 23.
- McRoskey, Edward L., San Francisco, Calif. Mattress tufting machine. 1,977,857; Oct. 23.
- McShane, Jesse J. (See Healy, S. A., McShane, and Carr.)
- McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tool lifting device. 1,985,049; Dec. 18.
- McSwain, Clifford E., and C. Smith, Bonita Springs, Fla. Razor blade sharpener. 1,954,742; Apr. 10.
- McTavish, Thomas J., Cardale, Manitoba, Canada. Attachment to cultivating machines. 1,975,429; Oct. 2.
- McVay, James C., Plattsmouth, and H. H. Urbach, Lincoln, Nebr. Floating driving bushing for locomotives. 1,945,060; Jan. 30.
- McVeigh, John R., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,953,184; Apr. 3.
- McVeigh, William B. (See Fulton, S. M., and McVeigh.)
- McVicar, Harold H., assignor of one-half to J. Eastman, Long Beach, Calif. Whipstock. 1,970,761; Aug. 21.
- McVicker, Cleophas, Cincinnati, Ohio. Soap dispenser. 1,944,447; Jan. 23.
- McVicker, Hector, and E. F. Bearce, assignors to The Chillicothe Paper Company, Chillicothe, Ohio. Paper machine and handling the trim from the paper machine wire. 1,945,118; Jan. 30.
- McVitie & Price Limited. (See Monks, William, assignor.)
- McWane, A. T., executor, et al. (See McWane, James R.)
- McWane, Arthur T., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,962,400; June 12.
- McWane, Arthur T., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,962,401; June 12.
- McWane Cast Iron Pipe Company. (See McWane, Arthur T., assignor.)
- McWane Cast Iron Pipe Co. (See McWane, James R., assignor.)
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint and packing ring therefor. 1,956,692; May 1.
- McWane, James R., deceased; A. T. and W. McWane and J. H. Cabaniss, executors, assignors to McWane Cast Iron Pipe Co., Birmingham, Ala. Pipe joint. 1,978,547; Oct. 30.
- McWane, William, executors, et al. (See McWane, James R.)
- McWeeny, John L., assignor, by mesne assignments, to The Muter Company, Chicago, Ill. Making noninductive resistors. 1,950,507; Mar. 13.
- McWeeny, John L., assignor, by mesne assignments, to The Muter Company, Chicago, Ill. Combination resistor. 1,950,508; Mar. 13.
- McWeeny, John L., assignor, by mesne assignments, to The Muter Company, Chicago, Ill. Grounded resistance unit. 1,970,051; Aug. 14.
- McWhirter, Earl J., Seattle, Wash. Toothbrush. 1,942,931; Jan. 9.
- McWhirter, Eric M. S., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraph system and apparatus. 1,960,021; May 22.
- McWhirter, Eric M. S., and J. G. Flint, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Telegraph system employing link circuits. 1,952,601; Mar. 27.
- McWhirter, John S., Southport, Conn. Apparatus for refinishing vehicle wheels. 1,967,835; July 24.
- McWhirter, William C. (See Bone, H. L., and McWhirter.)
- McWhirter, William C., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,972,663; Sept. 4.
- McWhirter, William C., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,976,828; Oct. 16.
- McWilliams, Frank G., Lakewood, Ohio. Insecticide holder. Des. 92,382; May 29.
- McWilliams, John P., and F. Ditchfield, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Transportation container. 1,981,241; Nov. 20.
- McWilliams, Joseph E., New York, N. Y. Safety razor. 1,978,274; Oct. 23.
- Meacham, Larned A. (See Marrison, W. A., and Meacham.)
- Meachem, Harry, Teaneck, N. J., assignor to Todd Dry Dock, Engineering & Repair Corporation, Brooklyn, N. Y. Air delivery apparatus for fuel combustion. 1,953,767; Apr. 3.
- Meachin, Horatio W., Altrincham, and R. H. Scott, Enfield, assignors to Linotype and Machinery Limited, London, England. Mold of typographical line casting machines. 1,952,815; Mar. 27.

- Mead, Alfred. (See Boudreaux, Hamilton J., assignor.)
- Mead, Charles H., Beckley, W. Va. Rail bond. 1,954,393; Apr. 10.
- Mead Corporation, The. (See Clark, J. D., and Graves, assignors.)
- Mead Corporation, The. (See Traquair, J., and Rawling, assignors.)
- Mead, Edward D., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resistance. 1,963,755; June 19.
- Mead, Francis L. (See Pasternack, R., Mead, and Davenport.)
- Mead, Fred J., Glen Ridge, N. J., assignor to Mead-Suydam. Lined burial vault. 1,961,158; June 5.
- Mead, George A. (See Sawhill, J. M., and Mead.)
- Mead Research Engineering Company, The. (See Traquair, John, assignor.)
- Mead, Richard R., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,944,359; Jan. 23.
- Mead-Suydam. (See Mead, Fred J., assignor.)
- Meador, Ralph I., Lynbrook, N. Y. Device for gumming tape. 1,968,897; Aug. 7.
- Meadowcroft, Charles W., sr., Philadelphia, Pa. Padlock. 1,971,914; Aug. 28.
- Meadows, Amos, and S. S. Kaplan, Kingston, N. Y. Adjustable bedspring rest. 1,951,196; Mar. 13.
- Meadows, Harold, Cayuga, Ontario, Canada. Cooling system for motor vehicle engines. 1,949,753; Mar. 6.
- Meaker Company, The. (See Finston, V., and Miller, assignors.)
- Meakin, Edgar T., Berkeley, Calif. Pellet mill. 1,954,086; Apr. 10.
- Mealey, Robert C., Minneapolis, Minn. Grain reducing machine. 1,955,010; Apr. 17.
- Meanor, Edward D. (See Sohn, E., and Meanor.)
- Meanor, Harry S. (See Meanor, Roy C., H. S., J. E., and L. S.)
- Meanor, John E. (See Meanor, Roy C., H. S., J. E., and L. S.)
- Meanor, Leon S. (See Meanor, Roy C., H. S., J. E., and L. S.)
- Meanor, Roy C., H. S., J. E., and L. S., Dallas, Tex. Food cart. 1,962,454; June 12.
- Means, Charles C., Chicago, Ill., assignor to Siver Steel Casting Company, Milwaukee, Wis. Cellular box for driving journal bearings. 1,979,215; Oct. 30.
- Mearkle, Harry L., assignor to Philadelphia Screen Mfg. Company, Incorporated, Philadelphia, Pa. Stepladder. 1,944,099; Jan. 16.
- Mears, Atherton H. (See Cordero, F., and Mears.)
- Mears, Atherton H., assignor to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for controlling speed. 1,954,884; Apr. 17.
- Mears, Barton J., Cleveland, Ohio. Automobile heating and ventilating system. 1,961,639; June 5.
- Mears, Charles J., Rumson, N. J. Form for concrete catch basins or the like. 1,948,931; Feb. 27.
- Measuregraph Company, The. (See Aeschbach, Walter E., assignor.)
- Mebane, Charles P., assignor to The National Glove Company, Columbus, Ohio. Rubber shoe sole and producing the same. 1,948,390; Feb. 20.
- Mebold, Frederick W., assignor to James R. Kearney Corporation, St. Louis, Mo. Manufacturing connector bolts. 1,947,867; Feb. 20.
- Mecano G. m. b. H., et al. (See Wörner, Heinrich, assignor.)
- Mecchi, Edmondo, Brooklyn, N. Y. Amusement apparatus. 1,952,273; Mar. 27.
- Mechanical Development Corporation of America. (See Huebner, Otto E., assignor.)
- Mechanical and General Inventions Company, Limited. (See Lemaigen, Robert, assignor.)
- Mechanical Handling Systems Incorporated. (See Francis, Lynn M., assignor.)
- Mechanical Handling Systems, Inc. (See Preble, Norman H., assignor.)
- Mechanical Parking Patents, Inc. (See Balkema, B. B., and Turnbull, assignors.)
- Mechanical Parking Patents, Inc. (See Buettel, S. E., and Schraeder, Jr., assignors.)
- Mechanical Refrigerated Car Company. (See Spohr, Carl W., assignor.)
- Mechanical Research Company. (See Carlson, G. E., Larson, and Swenson, assignors.)
- Mechanical Rubber Company, The. (See Eckhardt, Harry F., assignor.)
- Mechanics Universal Joint Company. (See Anderson, Edmund E., assignor.)
- Mechanics Universal Joint Company. (See Swenson, Carl E., assignor.)
- Mechanics Universal Joint Company. (See Waisner, Horace L., assignor.)
- Mechau, Robert. (See Langenhagen, E., and Mechau.)
- Mechau, Robert, assignor to the firm Carl Zeiss, Jena, Germany. Optical signaling apparatus. 1,973,039; Sept. 11.
- Mechlin, Ernest F., Washington, D. C., assignor to The Symington Company, New York, N. Y. Cushioning mechanism. 1,947,301; Feb. 13.
- Mechlin, William H. (See Woodruff, M. D., Mechlin, and Markley.)
- Mechling, Thomas J. (See Ewing, L. R., and Mechling.)
- Mechlovits, Bernat, New York, N. Y. Mold for manufacturing ornaments. 1,982,877; Dec. 4.
- Meckel, Josef H., jr., Munich, Germany. Bookkeeping machine. 1,980,346; Nov. 13.
- Meckler, Samuel, St. Paul, Minn. Perforating attachment for printing presses. 1,941,848; Jan. 2.
- Medart, Fred, Manufacturing Co. (See Albach, Frank, assignor.)
- Medart, Martin L. (See Brunton, Earl W., assignor.)
- Medbery, Edward W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding mechanism. 1,966,510; July 17.
- Meder, Georg. (See Stephensen, N., Eyer and Meder.)
- Medford, Walter H., Brooklyn, assignor to News Syndicate Co. Inc., New York, N. Y. Typographical machine. 1,965,747; July 10.
- Mediger, Harald, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic roll-film cartridge. 1,972,424; Sept. 4.
- Medina y Pereyra, Luis, Manila, P. I. Twin propeller. 1,944,525; Jan. 23.
- Mednick, Solomon. (See Levine, Irving I., assignor.)
- Medoff, William, Brooklyn, N. Y. Cleansing-tissue compact. 1,953,887; Apr. 3.
- Medoff, William, Brooklyn, assignor to National Cellulose Corporation, New York, N. Y. Package. 1,982,616; Nov. 27.
- Medoff, William, assignor to National Cellulose Corporation, New York, N. Y. Package. 1,948,181; Feb. 20.
- Medoff, William, assignor to National Cellulose Corporation, New York, N. Y. Catamenial bandage. 1,974,578; Sept. 25.
- Medoff, William, assignor to National Cellulose Corporation, New York, N. Y. Cellophane box. 1,977,687; Oct. 23.
- Medoff, William, assignor to National Cellulose Corporation, New York, N. Y. Display package. 1,978,806; Oct. 30.
- Medor, Peter J., New York, N. Y. Suspended railway system. 1,944,100; Jan. 16.
- Medvedeff, Nicholas J., Beechurst, assignor to Aircraft Improvement Corporation, New York, N. Y. Retractable wing and landing gear. 1,958,486; May 15.
- Meehan, John C., Pell City, Ala., assignor to Draper Corporation, Hopedale, Mass. Bobbin guide. 1,941,950; Jan. 2.
- Meehan, John P., Los Angeles, Calif. Traffic signal. 1,951,431; Mar. 20.
- Meek, Carl R., Detroit, Mich. Heating system. 1,957,843; May 8.
- Meek, Harold T., St. Louis, Mo. Garment protector. 1,979,983; Nov. 6.
- Meek, John B., Portsmouth, assignor to The Buckeye Forging Company, Cleveland, Ohio. Container. 1,974,968; Sept. 25.
- Meeker, Charles E., Detroit, Mich. Combination camp chair and rocker. 1,969,313; Aug. 7.
- Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Pump. 1,967,316; July 24.
- Meeker, George H., Philadelphia, Pa. Nut lock. 1,960,274; May 29.
- Meeker, Sidney, Memphis, Tenn. Blood transfusion apparatus. 1,973,351; Sept. 11.
- Meeks, Russell J., Spokane, Wash. Maternity gown. 1,971,572; Aug. 28.
- Meer Made Products. (See Eidingen, Otto.)
- Meerwein, Hans, Marburg, F. Ulfers, and R. Erbe, Eberswalde, and F. Aicher and W. Klaphake, Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Catalyst. 1,985,792; Dec. 25.
- Mees, Charles E. K., and O. Sandvik, assignors to Eastman Kodak Company, Rochester, N. Y. Speed control for bands. 1,976,355; Oct. 9.
- Megar, David. (See Schonholtz, J., Megar, and Popiel.)
- Megaw, Eric C. S. (See Gossling, B. S., and Megaw.)
- Megaw, Eric C. S., Chelsea, assignor to The M-O Valve Company Limited, London, England. Electric short wave thermionic valve generator. 1,955,011; Apr. 17.
- Meginniss, Francis R., Albany, N. Y. Switch. 1,948,727; Feb. 27.
- Meginniss, Francis R., Albany, N. Y. Switch. 1,948,728; Feb. 27.
- Meginniss, Francis R., Albany, N. Y. Switch. 1,959,835; May 22.
- Megley, Harley J., Chicago, Ill. Typographical mold. 1,973,961; Sept. 18.
- Megley, Harley J., Chicago, Ill. Typographical mold. 1,980,421; Nov. 13.
- Megow, George E., South Milwaukee, assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Apparatus for use in locating points of maximum or minimum temperatures. 1,968,534; July 31.
- Megow, George B., South Milwaukee, assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Making electrical resistance units. 1,978,163; Oct. 23.
- Megroz, Roger, Bronxville, N. Y., assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,452; Jan. 30.
- Mehl, John J. (See Abel, Gilbert D., assignor.)
- Mehl, John V., Union City, N. J. Lithographic ink composition. 1,958,311; May 8.
- Meidell, Birger O., Oslo, Norway. Steam developing device for flat irons. 1,963,858; June 19.

- Meidert, Friedrich, Frankfort-on-the-Main-Griesheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Drier for coating material. 1,976,182; Oct. 9.
- Meier, Albert J., New York, N. Y., assignor, by mesne assignments, to Rockwood Gypsum Corporation of America, St. Louis, Mo. Apparatus for molding lithic timbers. 1,968,774; July 31.
- Meier, Adolf, Weinfelden, Switzerland. Thread brake for shuttles, particularly of shuttle embroidering machines. 1,980,544; Nov. 13.
- Meier, August. (See Fricke, H., and Meier.)
- Meier, Christian, et al. (See Felesina, G., and Bellmer, assignors.)
- Meier, Ernest, Oakland, Calif. Door buffer. 1,944,101; Jan. 16.
- Meier, Herman, and E. Gründmann, West New York, N. J. Hair-waving apparatus. 1,982,684; Dec. 4.
- Meier, Hermann. (See Lieb, G., and Meier.)
- Meier, Karl. (See Granacher, C., and Meier.)
- Meier, William J., New York, N. Y. Dental unit. 1,960,446; May 29.
- Meigs, Bassett & Slaughter, Inc. (See Bodenstein, Paul H., assignor.)
- Meigs, Frederick M. (See Salzberg, P. L. and Meigs.)
- Meigs, Joseph V., Dobbs Ferry, N. Y., assignor to Plastix Corporation, Wilmington, Del. Resinous product and making same. 1,975,471; Oct. 2.
- Meigs, Joseph V., Dobbs Ferry, assignor to Sweets Laboratories Inc., New York, N. Y. Condensation products of carbohydrate derivatives. 1,982,822; Dec. 4.
- Meikle, George S., West Lafayette, Ind. Apparatus for producing combustion. 1,977,521; Oct. 16.
- Meilink, Charles F., Toledo, Ohio. Safe. 1,946,028; Feb. 6.
- Meinardi, Peter. (See Gordon, Julius G., assignor.)
- Meincke & Company. (See Johnson, Edward, assignor.)
- Meindl, Frank V. (See Oliver, R. S., and Meindl.)
- Meindl, Frank V., Chicago, Ill., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,944,566; Jan. 23.
- Meinecke, Christian W., East Orange, N. J. Nipple or the like. Des. 93,784; Nov. 6.
- Meinecke, Christian W., East Orange, N. J. Bottle cap. Des. 93,785; Nov. 6.
- Meinel, William J., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Forming irregular sheet metal stampings. 1,949,615; Mar. 6.
- Meiners, Gustav, Berlin-Plotensee, Germany, assignor to General Electric Company. Remote indicating system. 1,979,114; Oct. 30.
- Meiners, Joseph G., Normandy, assignor to Champion Anti-Rattler Co., Inc., St. Louis, Mo. Hinge pin pulley. 1,943,983; Jan. 16.
- Meinert, Willy, Brooklyn, N. Y. Toy aeroplane stabilizer. 1,982,262; Nov. 27.
- Meingast, Rudolf, and M. Mugdan, assignor to Consortium für Elektrochemische Industrie, Munich, Germany. Manufacturing acetic anhydride. 1,946,707; Feb. 13.
- Meinig, E. Richard, Co. (See Cohen, Anne, assignor.)
- Meinzer, Gotthold H., Glendale, assignor of one-half to G. L. Goodwin, Los Angeles, Calif. Orchard heater. 1,977,196; Oct. 16.
- Meis, Helmuth, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing substituted guanidines. 1,953,494; Apr. 3.
- Meis Henry K., Tecumseh, Okla. Push bar and latch for swinging closure. 1,977,344; Oct. 16.
- Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Multiplex form. 1,954,423; Apr. 10.
- Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Multiplex stationery. 1,956,244; Apr. 24.
- Meisel, Otto C. F., Milton, Mass. Rotary web press. 1,978,715; Oct. 30.
- Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)
- Meisenheimer, Todd B., Charlotte, N. C., assignor to Celanese Corporation of America. Tinting yarn and product thereof. 1,964,169; June 26.
- Meiser, Wilhelm. (See Gassner, S., and Meiser.)
- Meiser, Wilhelm. (See Neelmeier, W., Gassner, and Meiser.)
- Meiser, Wilhelm, Ludwigshafen-on-the-Rhine, and W. v. Knilling, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of solid urea or products rich in urea. 1,951,518; Mar. 20.
- Meisse, Louis A., assignor to The Ohio Brass Company, Mansfield, Ohio. Welding rod. 1,954,394; Apr. 10.
- Meissner, Alexander, Berlin-Dahlem, Germany, assignor to General Electric Company. Electric heating apparatus. 1,954,678; Apr. 10.
- Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Apparatus for making piezo-electric bodies. 1,969,379; Aug. 7.
- Meissner, Alexander, assignor to Allgemeine Elektricitäts Gesellschaft, Friedrich Karl, Berlin, Germany. Arrangement for reducing sag in antennæ. 1,969,380; Aug. 7.
- Meissner, Earl R. (See Singleton, H. C., and Meissner.)
- Meissner, Josef, Burbach, Germany. Continuous production of nitropentaerythrite, tetranitromethylamine, trinitroresorcin, and similar nitrocompounds. 1,943,081; Jan. 9.
- Meissner, Josef, Burbach, Germany. Uninterruptedly boiling fulminating mercury. 1,959,730; May 22.
- Meissner, Josef, Burbach, Germany. Uninterruptedly carrying out the precipitation of heavy metallic azids particularly silver and lead-azid. 1,959,731; May 22.
- Meissner, Karl L., assignor of one-half to the firm Dürerer Metallwerke Aktiengesellschaft, Duren, Germany. Malleable aluminum alloy. 1,968,344; July 31.
- Meissner Manufacturing Company. (See Lear, William P., assignor.)
- Meissner, Oswald. (See Böger, O., and Meissner.)
- Meissner, William E., New York, N. Y. Hollow rivet. 1,969,897; Aug. 14.
- Meister, Albert R., Sacramento, Calif. Transmission. 1,962,782; June 12.
- Meister, Conrad L., et al. (See Graham, William S., assignor.)
- Meistering, Willi E. C. (See Caesar, J. E., and Meistering.)
- Meitzler, Charles R., assignor to O. H. and A. F. Pieper, Rochester, N. Y. Sterilizing means. 1,946,804; Feb. 13.
- Meitzler, Charles R., assignor of one-half to O. H. Pieper and one-half to A. F. Pieper, Rochester, N. Y. Electric circuit control means. 1,952,384; Mar. 27.
- Meiwald, Franz, Vienna, Austria. Cord-shaped knitting-covered bodies and making same. 1,947,302; Feb. 13.
- Meiwald, Franz, Vienna, Austria. Electric cable. 1,978,591; Oct. 30.
- Meixell, John W., Lewisburg, Pa. Plant support. 1,983,985; Dec. 11.
- Mekeel, Van Cortright, Wauwatosa, Wis. Digger tool. 1,951,988; Mar. 20.
- Mekelburg, Earl E., Wauwatosa, Wis. Light controlling device. 1,955,555; Apr. 17.
- Mekler, Lev A. (See Watson, K. M., and Mekler.)
- Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Return bend plug deflector. 1,946,945; Feb. 13.
- Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Heating fluid. 1,954,089; Apr. 10.
- Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Protective lining for vessels. 1,968,088; July 31.
- Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Preventing passage of gas through refractory walls. 1,971,915; Aug. 28.
- Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Producing luminous flame in furnaces. 1,984,687; Dec. 18.
- Mekler, Valentine, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,978,592; Oct. 30.
- Melaas, Palmer C., Fergus Falls, Minn. Curtain protector. 1,943,768; Jan. 16.
- Melas, William, Cynwyd, assignor to Cochrane Corporation, Philadelphia, Pa. Instrument case. Des. 92,726; July 10.
- Melas, William, assignor to Cochrane Corporation, Philadelphia, Pa. Flow measuring apparatus. 1,972,713; Sept. 4.
- Melcher, John P., Pittsburgh, and W. D. Cappe, Glen-shaw, assignors to Pittsburgh Valve, Foundry and Construction Company, Pittsburgh, Pa. Machine fixture. 1,979,897; Nov. 6.
- Melchers Distilleries, Limited. (See Roffey, Frederick W., assignor.)
- Melchionna, Frank A., Cincinnati, Ohio. Arch support. 1,959,034; May 15.
- Melder, Hugo, Mahr-Austrau-Witkowitz, Czechoslovakia. Chair. 1,960,022; May 22.
- Meldrum, Alexander, assignor, by mesne assignments, to Smith Hood & Seal Corporation, Syracuse, N. Y. Bottle capping machine. 1,949,377; Feb. 27.
- Melhorn, Carl E. (See Smith, E. L., and Melhorn.)
- Melhorn, Carl E., assignor to Package Machinery Company, Springfield, Mass. Method and machine for making packages provided with tearing strips. 1,965,524; July 3.
- Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fire extinguisher. 1,956,744; May 1.
- Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin controlled apparatus. 1,984,536; Dec. 18.
- Melik-Minassiantz, Raphael, Paris, France. Dial for various apparatus. 1,942,343; Jan. 2.
- Melik-Minassiantz, Raphael, Paris, France. Dial arrangement applicable to various apparatus. 1,949,024; Feb. 27.
- Melik-Minassiantz, Raphaël, Paris, France. Indicating apparatus such as clocks, barometers, meters, and the like. 1,966,992; July 17.
- Melin, André, assignor to Parfumerie Roger et Gallet, Societe Anonyme, Paris, France. Lid of a box or the like. Des. 92,483; June 12.
- Melin, William, Flint, Mich. Portable check writer and protector. 1,981,459; Nov. 20.
- Melind, Louis, Chicago, Ill. Securing members together. 1,949,171; Feb. 27.
- Mello, James, Chicago, Ill. Flushing tank valve. 1,943,769; Jan. 16.

- Melish, Thomas G., Cincinnati, Ohio. Head lamp. 1,981,564; Nov. 20.
- Melkon, Bernard, Philadelphia, Pa. Combined alarm clock and controlling device. 1,955,432; Apr. 17.
- Meller, Reginald B., Oakland, assignor to Associated Patents Corporation, San Francisco, Calif. Casing for a card index. Des. 92,855; July 24.
- Mellet, Dana S. (See Tarte, C. E., and Mellett.)
- Mellichampe, Lawton B., Washington, D. C. Speed regulator. 1,955,198; Apr. 17.
- Melling, George, Jackson, Mich. Control mechanism. 1,950,509; Mar. 13.
- Mello Chime and Signal Corporation, The. (See Bergeron, Lawrence G., assignor.)
- Mellon, Frank H., Pittsburgh, Pa. Combination ash tray and bridge score pad holder. 1,946,983; Feb. 13.
- Mellon, Robert. (See Cassity, Charles B., assignor.)
- Mellon, Thomas A., Philadelphia, Pa. Reserve supply for gasoline tanks and the like. 1,979,203; Oct. 30.
- Mellor, Albert, and R. J. Mann, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coating or filling textile fabrics. 1,970,243; Aug. 14.
- Mellor Bromley and Company Limited. (See Bromley, T. C., and Shortland, assignors.)
- Mellor, Lewis L. (See Jennings, H. G., Mellor, Rudolph, and Smith.)
- Mellor, William, assignor to Henry Disston and Sons Inc., Philadelphia, Pa. Quenching steels. 1,944,798; Jan. 23.
- Mellott, Oscar, Allentown, assignor to Fuller Lehigh Company, Fullerton, Pa. Pulverized fuel burner. 1,959,542; May 22.
- Mélot, Henri F., Montrouge, France. Liquid fuel burner. 1,979,757; Nov. 6.
- Melown, George E., Poland, assignor of one-half to A. P. Anderson, Youngstown, Ohio. Fruit picker. 1,968,414; July 31.
- Melsheimer, Robert A., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system and apparatus therefor. 1,964,526; June 26.
- Melton, Martin L., Los Angeles, Calif. Display fixture. 1,965,850; July 10.
- Meltz, David E., New York, N. Y. Safety stair pad retainer. 1,974,340; Sept. 18.
- Melville, Phillips. (See Samiran, David, assignor.)
- Melvin, John H., Rochester, N. Y. Spark plug wrench. 1,980,073; Nov. 6.
- Melvin, William S., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,970,704; Aug. 21.
- Memorial Art Studio. (See Holes, Floyd A., assignor.)
- Menasha Products Company, The. (See Kulpinski, Leo, assignor.)
- Menasha Wooden Ware Corporation. (See Casperson, Walter F., assignor.)
- Menall, James W., Edgerton, Wis. Protective covering for automobile seats. 1,985,222; Dec. 18.
- Mende, Arthur. (See Kuppenbender, H., Nowicki, Goldberg, and Mende.)
- Mendelson, Charles, et al. (See Hamilton, Charles E., sr., assignor.)
- Mendelson, Percy, et al. (See Hamilton, Charles E., sr., assignor.)
- Mendenhall, Earl, and J. B. Van Horn, assignors to Menhorn, Inc., Los Angeles, Calif. Vacuum surrounded motor. 1,954,824; Apr. 17.
- Mendenhall, Hallam E., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,955,823; Apr. 24.
- Méndez, Ciro F., New York, N. Y. Process of and apparatus for producing stereoscopic motion pictures. 1,947,161; Feb. 13.
- Mendez, Ciro F., New York, N. Y. Method of and apparatus for photographing moving objects. 1,973,822; Sept. 18.
- Mendoza, Mordecai, West Didsbury, England, assignor to Imperial Chemical Industries Limited. Azo dye. 1,975,611; Oct. 2.
- Mendoza, Mordecai, West Didsbury, A. G. Murray Whitefield, and H. B. Briggs, South Reddish, England, assignors to Imperial Chemical Industries Limited. Manufacture of soluble compositions and their use in dyeing and printing. 1,947,433; Feb. 13.
- Mendoza, Mordecai, West Didsbury, and A. G. Murray, Whitefield, England, assignors to Imperial Chemical Industries Limited. Compositions and solutions for use in dyeing and textile printing. 1,948,589; Feb. 27.
- Mendoza, Mordecai, West Didsbury, and J. Hannon, Gorton, England, assignors to Imperial Chemical Industries Limited. Azo dyes and their preparation. 1,975,166; Oct. 2.
- Menefee, Harry R. (See Holst, L. J. R., Mayer, and Menefee.)
- Meneghetti, Antonio J., Montreal, Quebec, Canada. Signal for boilers. 1,943,834; Jan. 16.
- Meng, Arthur, Cleveland, Ohio. Nut cracker. Des. 91,277; Jan. 2.
- Menze, Sidney L., New Orleans, La. Pump apparatus. 1,955,199; Apr. 17.
- Menger, Francis B., Schenectady, N. Y., assignor to General Electric Company. Surge current instrument. 1,975,065; Sept. 25.
- Menhall, James W., assignor to Highway Trailer Company, Edgerton, Wis. Power actuated swivel head for earth boring machines. 1,966,637; July 17.
- Menhorn, Inc. (See Mendenhall, E., and Van Horn, assignors.)
- Menk, Ferdinand C., Huntington, W. Va. Material handling apparatus. 1,953,862; Apr. 3.
- Menke, Harry W., Los Angeles, Calif., assignor to Cinemacolor Corporation, Chicago, Ill. Film shrinkage control. 1,943,687; Jan. 16.
- Menken, Clarence J. (See Ellithorpe, G. G., and Menken.)
- Mennesson, Marcel, Neuilly-sur-Seine, assignor to Société Anonyme de Construction de Matériel Automobile S. A. C. M. A., Paris, France. Pneumatic measuring device. 1,971,271; Aug. 21.
- Mennesson, Marcel, Neuilly sur Seine, assignor to Société Anonyme de Constructions de Matériel Automobile S. A. C. M. A., Raymonard, Paris, France. Apparatus for measuring distance. 1,982,528; Nov. 27.
- Mennesson, Marcel, Neuilly-sur-Seine, assignor to the Société Anonyme de Construction de Matériel Automobile, S. A. C. M. A., Paris, France. Measuring apparatus. 1,985,576; Dec. 25.
- Menninger, Elmore W., Los Angeles, Calif. Spacer nail. 1,957,467; May 8.
- Menough, Paul S. (See Carpenter, O. K., Griffith, and Menough.)
- Menough, Paul S., Mount Lebanon, assignor to The Duraloy Company, Pittsburgh, Pa. Metallic baffle construction. 1,976,262; Oct. 9.
- Menshon, William R., Roselle Park, N. J., assignor to The Barrett Company, New York, N. Y. Marking felt and the resultant product. 1,942,763; Jan. 9.
- Mensing, Carl F., assignor to Limbershaft Golf Club Company, Tarpon Springs, Fla. Golf club. 1,949,970; Mar. 6.
- Mensing, Richard, Neustadt/Haardt, Germany. Cleansing apparatus for waste water and operating the same. 1,984,029; Dec. 11.
- Mensman, Charles J., Washington, D. C., and E. D. Rader, Mount Kisco, assignors to Dexter Folder Company, New York, N. Y. Sheet feeder. 1,948,001; Feb. 20.
- Mento, Christy, et al. (See Pirrone, Antonio L., assignor.)
- Mento, Frank, Jr., et al. (See Pirrone, Antonio L., assignor.)
- Menton, Joseph B., Detroit, Mich., assignor to The Murray Corporation of America. Adjustable seat. 1,953,764; Apr. 3.
- Menton, Stanley, assignor to Limousine Body Company, Kalamazoo, Mich. Strike plate. 1,948,863; Feb. 27.
- Menze, Theodore F., and N. Lund, Greensboro, N. C. Window screen. 1,951,289; Mar. 13.
- Menzel, Friedrich, and E. Dobler, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Combined electromagnetic governor and switch. 1,974,852; Sept. 25.
- Menzel, Theodore F., New York, N. Y. Transparent film and making the same. 1,970,388; Aug. 14.
- Meon, Howard C., Cleveland, Ohio. Variable pitch propeller. 1,968,844; Aug. 7.
- Mercedes Buromaschinen Werke, A. G. (See Coxhead, Ralph C., assignor.)
- Mercedes Büro-Maschinen-Werke Aktiengesellschaft. (See Schluns, Carl, assignor.)
- Mercer, Charles, Radlett, England. Machine for the manufacture of machined bolts and nuts. 1,959,487; May 22.
- Mercer, Nicholas A., New York, N. Y. Pen flashlight with light focusing means. 1,958,796; May 15.
- Mercer, Raymond C., Los Angeles, Calif. Treating motion-picture films to provide fade-in and fade-out effects. 1,943,889; Jan. 16.
- Mercer, Samuel T. (See McClain, H. L., and Mercer.)
- Merchandise Distributors, Inc. (See Casau, Francisco, assignor.)
- Merchant and Evans Company. (See Evans, P., and Stoney.)
- Mercier, Harvey O., East Orange, N. J., assignor to National Biscuit Company, New York, N. Y. Dough working machine. 1,965,779; July 10.
- Mercier, Joseph R., Theford Mines, Quebec, Canada. Interlocking bolt and nut. 1,963,667; June 19.
- Mercier, Warren C., assignor to American Hatters and Furriers Company, Danbury, Conn. Fur treating composition and process. 1,955,678; Apr. 17.
- Merck & Co. (See Cline, Joseph K., assignor.)
- Merck & Co. Inc. (See Engels, William H., assignor.)
- Merck & Co. (See Jones, L. W., and Major, assignor.)
- Merck & Co., Inc. (See Major, Randolph T., assignor.)
- Merck & Co. (See Rosin, Joseph, assignor.)
- Merco Centrifugal Separator Co., Ltd. (See Peltzer, Albert, and Albert, Jr., assignors.)
- Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
- Mercury Manufacturing Company. (See Schroeder, William, assignor.)
- Meredith, Ross, Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeding machines. 1,982,823; Dec. 4.
- Meredith, Russell L., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Antenna. 1,962,202; June 12.
- Meredith, Sherman C. (See Moroney, C. J., Meredith and Meserole.)

- Meredith, William F., et al. (See Reed, George B., assignor.)
- Mercenna, John S. (See Colavito, M., and Merenna.)
- Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
- Mergenthaler Linotype Company. (See Burt, Harold A., assignor.)
- Mergenthaler Linotype Company. (See Frolander, Frank C., assignor.)
- Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)
- Mergenthaler Linotype Company. (See Holt, Samuel, assignor.)
- Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
- Mergenthaler Linotype Company. (See McNamara, James G., assignor.)
- Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)
- Mergenthaler Linotype Company. (See Morrison, L. E., and Frolander, assignors.)
- Mergenthaler Linotype Company. (See Mulroy, William J., assignor.)
- Mergenthaler Linotype Company. (See Olson, Charles B., assignor.)
- Mergenthaler Linotype Company. (See Petersen, William L., assignor.)
- Mergenthaler Linotype Company. (See Quadt, John W., assignor.)
- Mergenthaler Linotype Company. (See Rappich, Gustave, assignor.)
- Mergenthaler Linotype Company. (See Stouges, Anthony J., assignor.)
- Mergott, J. E., Company. (See Goerdes, Frederick W., assignor.)
- Mergott, J. E., Company. (See Hering, William C., assignor.)
- Merbell, John, Stratford, Conn. Article holder. 1,968,462; July 31.
- Meriden Gravure Company, The. (See Sias, Arthur C., assignor.)
- Merk, Friedrich, Frankfurt-on-the-Main, Germany. Telephone installation. 1,972,199; Sept. 4.
- Merk, Lawrence A., Pittsburgh, assignor to Railway Maintenance Corporation, Aspinwall, Pa. Lubricator. 1,942,484; Jan. 9.
- Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Contact finger for relays. 1,942,147; Jan. 2.
- Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 1,969,089; Aug. 7.
- Merkel, Robert, assignor to J. E. Reinecker, A. G., Chemnitz, Germany. Gear-cutting machine. 1,949,546; Mar. 6.
- Merkel, Rupert, Ossining, N. J. Shade operating device for automobiles. 1,973,382; Sept. 11.
- Merkt, Gustav A., assignor to Morgan Construction Company, Worcester, Mass. Heating furnace and operating the same. 1,972,053; Aug. 28.
- Merle, André, New York, assignor to one-half to E. Williams, Scarsdale, N. Y. Air conditioning system. 1,985,050; Dec. 18.
- Mermod, Jaccard & King Jewelry Company. (See Bieger, Henry W., assignor.)
- Merna, William R., Bloomington, Ill. Steam cabinet. 1,956,394; Apr. 24.
- Merolle, Augustus L. (See Mackie, Charles H., assignor.)
- Merolle, Augustus L., Brooklyn, N. Y. Receptacle closure. Des. 93,630; Oct. 16.
- Merolle, Augustus L., assignor to one-half to Empire Metal Cap Co., Inc., Brooklyn, N. Y. Receptacle structure. 1,977,589; Oct. 16.
- Merrell, W. S., The, Company. (See Rider, Theodore H., assignor.)
- Merriam, Edmund S., Marietta, Ohio. Preformed abrasives and producing the same. 1,956,905; May 1.
- Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Making sulphuric anhydride. 1,965,963; July 10.
- Merriam, Jean W., Waverly, N. Y. Plate hook. 1,957,107; May 1.
- Merrick, Frank W., Boston, Mass. Safety razor. 1,961,236; June 5.
- Merrick, Herbert L., Passaic, N. J. Continuous weighing apparatus. 1,959,873; May 22.
- Merrifield, Richard. (See Burkle, Robert, assignor.)
- Merrigan, William J., assignor to Herberts Machinery Company, Ltd., Los Angeles, Calif. Miter gauge. 1,985,614; Dec. 25.
- Merrigan, William J., jr., C. S. Tiers, and H. F. Wanamaker, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Gripper for hosiery strippers. 1,979,204; Oct. 30.
- Merrill, Albert D., Watertown, N. Y. Treatment of digester liquors. 1,945,504; Jan. 30.
- Merrill, Allan B. (See Simpson, J. H., jr., and Merrill.)
- Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tank lining and lining tanks. 1,947,532; Feb. 20.
- Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Artificial turf. 1,949,063; Feb. 27.
- Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Strip rubber article and producing the same. 1,958,092; May 8.
- Merrill, Allan B., and C. A. Ritchie, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Footwear appliance. 1,958,107; May 8.
- Merrill Company, The. (See Cornell, Mead, assignor.)
- Merrill, David R. (See Bray, U. B., Pollock, and Merrill.)
- Merrill, David R., Long Beach, and P. Subkow, assignors to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 1,948,042; Feb. 20.
- Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Electric drive. 1,961,589; June 26.
- Merrill, Philip P., Evanston, assignor to Ludlow Typograph Company, Chicago, Ill. Offset aligning type-matrix holder. 1,944,519; Jan. 23.
- Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. Folding seat accessory. 1,958,061; May 8.
- Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. Desk. 1,976,081; Oct. 9.
- Merrill, Wendell P., Oskaloosa, Iowa. Massager and scalp conditioner. 1,974,031; Sept. 18.
- Merrimac Chemical Co. (See Bach, J. J., and Flaws.)
- Merrimac Chemical Company. (See Pratt, L. A., and Gould, assignors.)
- Merrimac Chemical Company, Inc. (See Healy, John J., jr., assignor.)
- Merrimac Chemical Company, Inc. (See Maxim, Myles Standish, assignor.)
- Merrimac Chemical Co. Inc. (See Wilson, William S., assignor.)
- Merriman, Ralph S., assignor to The Closure Service Company, Toledo, Ohio. Coaster. 1,981,627; Nov. 20.
- Merritt-Chapman and Scott Corporation. (See Christiansen, Christian B., assignor.)
- Merritt Engineering & Sales Company. (See Merritt, Ericsson H., assignor.)
- Merritt Ericsson H. (See Merritt, Louis G. and E. H.)
- Merritt, Ericsson H., Lockport, N. Y., assignor to Laminating Patents Corporation, Seattle, Wash. Producing laminated products. 1,978,807; Oct. 30.
- Merritt, Ericsson H., Lockport, N. Y. Coating apparatus. 1,979,755; Nov. 6.
- Merritt, Ericsson H., assignor, by mesne assignments, to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Gluing method and apparatus. 1,980,216; Nov. 13.
- Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and the manufacture thereof. 1,956,693; May 1.
- Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pad box. 1,965,149; July 3.
- Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of welted shoes. 1,974,502; Sept. 25.
- Merritt, Glenn W. and R. J. Bower, assignors to The Mining Safety Device Company, Bowerstown, Ohio. Car door opener and closer. 1,977,396; Oct. 16.
- Merritt, Henry E., assignor to one-half to David Brown & Sons (Huddersfield), Limited, Huddersfield, England. Worm gearing. 1,948,795; Feb. 27.
- Merritt, Louis G. and E. H., Lockport, N. Y., assignors, by mesne assignments, to Laminating Patents Corporation, Seattle, Wash. Method and apparatus for applying materials to surfaces. 1,977,321; Oct. 16.
- Merritt, Malcolm H., and G. I. Koons, Fort Wayne, Ind., assignor to The Western Gas Construction Company. Manufacturing carbureted water gas. 1,950,620; Mar. 13.
- Merritt, Matthew M. (See Connor, J. H., and Merritt.)
- Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Drying leather. 1,952,088; Mar. 27.
- Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Tanning hides and skins. 1,953,968; Apr. 10.
- Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Tanning hides and skins. 1,971,496; Aug. 28.
- Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Making leather. 1,978,545; Oct. 30.
- Merritt, Matthew M., Middleton, and N. H. Poor, Peabody, assignors to The Tanning Process Company, Boston, Mass. Treating hides and skins. 1,961,377; June 5.
- Merritt, Thomas J., Boston, Mass. Golf practicing device. 1,967,776; July 24.
- Merritt, Thomas J., and G. B. Smith, Boston, Mass.; said Smith assignor to said Merritt. Golf practicing device. 1,956,452; Apr. 24.
- Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Lubricating means. 1,943,243; Jan. 9.
- Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Looper carrier. 1,983,631; Dec. 11.
- Merrow Machine Company, The. (See Merrow, Joseph M., assignor.)
- Merrow Machine Company, The. (See Washburn, John M., assignor.)
- Merryweather, Clyde, Cuyahoga Falls, Ohio. Plastering base. 1,979,701; Nov. 6.
- Mersch, Bernard H. (See Hazelton, R. T., and Mersch.)
- Merse, Paul. (See Szikla, G., Merse, and von Vágó.)

- Mersereau, Donald W., and E. B. Kempster, jr., assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system. 1,969,090; Aug. 7.
- Mershon, Alfred V., Schenectady, N. Y., assignor to General Electric Company. Testing and sorting of electrically conducting parts. 1,957,222; May 1.
- Mershon, Ralph D., New York, N. Y. Maintaining voltage balance in electrolytic condensers. 1,948,864; Feb. 27.
- Mershon, Ralph D., New York, N. Y. Electrode or terminal for electrolytic apparatus. 1,949,870; Mar. 6.
- Mershon, Ralph D., New York, N. Y. Electrode or terminal for electrolytic apparatus. 1,949,871; Mar. 6.
- Mershon, Ralph D., New York, N. Y. Electrolytic condenser. 1,974,579; Sept. 25.
- Merta, Method, Chicago, Ill. Film moving mechanism. 1,982,921; Dec. 4.
- Merté, Willy, assignor to the firm Carl Zeiss, Jena, Germany. Photographic lens. 1,967,836; July 24.
- Mertel, Henry P., Ridgefield, N. J. Tabernacle safe. 1,951,432; Mar. 20.
- Mertel, Henry P., Ridgefield, N. J. Tabernacle safe. 1,956,958; May 1.
- Mertens, Erich. (See Hanack, B., and Mertens.)
- Mertens, Paul, assignor to Shiman Manufacturing Co., Inc., Newark, N. J. Finger ring. Des. 91,680; Mar. 6.
- Mertens, Paul, Newark, N. J. Combination finger ring and ornamental pin. 1,979,702; Nov. 6.
- Mertens, Willy. (See Schäfer, W., and Mertens.)
- Mertis, Elmer F., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Broken-web control for wrapping machines. 1,964,070; June 26.
- Merzhanoff, André M., New York, N. Y. Radiator. 1,941,705; Jan. 2.
- Merwitz, Theodore G., Chicago, Ill. Rug making apparatus. 1,961,505; June 5.
- Merz, Charles C., Indianapolis, Ind. Gear cutting apparatus. 1,963,756; June 19.
- Mesch, Orwar A. (See Van Inwagen, C. L., jr., and Mesch.)
- Meschter, Homer F. (See Calcott, W. S., Parmelee, and Meschter.)
- Meserole, Kenneth A. (See Moroney, C. J., Meredith and Meserole.)
- Meserole, Milton D. (See Mosgrove, C. A., and Meserole.)
- Meshel, Irving H., New York, N. Y. Shaft for golf clubs. 1,950,342; Mar. 6.
- Mesick, John, U. S. Army, Fort Stotsenberg, P. I. Plotting board. 1,980,422; Nov. 13.
- Mesing, Maximilian R., Algona, assignor of one-third to M. H. Aliber, one-third to R. Aliber, and one-third to M. M. Aliber, Des Moines, Iowa. Nonchattering reamer. 1,974,620; Sept. 25.
- Mesinger, William F., Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Hydraulic flash arrester. 1,955,679; Apr. 17.
- Mesinger, William F., and H. J. Baker, Indianapolis, Ind., assignors to Prest-O-Lite Company, Inc. Valve. 1,971,013; Aug. 21.
- Mesinger, William F., Flushing, N. Y., and A. C. Mattison, Hammond, Ind., assignors to The Linde Air Products Company. Automatic pressure relief device. 1,982,474; Nov. 27.
- Mess, Frank J., A. E. Eggleston, and J. D. Centko, Streator, Ill., assignors to W. Gillooly. Carpet sweeper. 1,952,769; Mar. 27.
- Messer, Adolf, Frankfurt-on-the-Main, Germany. Freezing out of water vapors contained in compressed gases or gas mixtures to be liquefied. 1,949,616; Mar. 6.
- Messer, Thomas V., East Cleveland, assignor of one-half to Everett H. Noyes, South Euclid, Ohio. Bottle opener. 1,949,754; Mar. 6.
- Messersmith, Brainard H., Washington, D. C. Antiskid chain. 1,984,226; Dec. 11.
- Messick, Charles, Brentwood, N. Y. Magnetic movement. 1,955,248; Apr. 17.
- Messick, Charles, Brentwood, N. Y. Loud speaker cone suspension. 1,982,443; Nov. 27.
- Messler, George L. R. J., Montrouge, France. Automatic recovery device for pneumatic suspensions. 1,980,423; Nov. 13.
- Messing, Hjalmar S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Reversible flow gas propelling device. 1,959,106; May 15.
- Messing, Joseph. (See Frank, W. H., and Messing.)
- Messing, Joseph, Philadelphia, Pa. Device for mending runs in fabrics. 1,956,960; May 1.
- Messing, Joseph A. (See Frank, H. J. L., Messing, and Harper.)
- Messing, Joseph A. (See Frank, W. H., 2d., and Messing.)
- Messinger, William, Philadelphia, Pa. Hydraulic swivel for well drilling. 1,956,648; May 1.
- Mesta Machine Company. (See Bedell, Carl E., assignor.)
- Mesta Machine Company. (See Fisk, Gustaf L., assignor.)
- Mesta Machine Company. (See Fisk, G. L., and Peterson assignors.)
- Mesta Machine Company. (See Iversen, Lorenz, assignor.)
- Metal, Max, Detroit, Mich. Spring-pressed closure cap. 1,955,593; Apr. 17.
- Metalcraft Corporation. (See Korte, Alfred C., assignor.)
- Metal Finishing Research Corporation. (See Tanner, R. R., and Lodeesen, assignors.)
- Metalfoils, Incorporated. (See Perkins, Harry F., assignor.)
- Metal Forms Corporation. (See Miller, George H.)
- Metal Garment Hangers, Inc. (See Littledale, Hickson F., assignor.)
- Metal Hose & Tubing Co., Inc. (See Wallace, Archibald L., assignor.)
- Metal Office Furniture Company. (See Pipe, John, assignor.)
- Metal Office Furniture Company. (See Wege, Peter M., assignor.)
- Metal Package Corporation. (See Engstrom, Everett E., assignor.)
- Metal Package Corporation. (See Hopkins, Arthur G., assignor.)
- Metal Specialties Manufacturing Company. (See Johnson, Gustaf E., assignor.)
- Metal Textile Corporation. (See Mayer, Daniel J., assignor.)
- Metal & Thermit Corporation. (See Brown, George H., assignor.)
- Metal & Thermit Corporation. (See Corson, Michael G., assignor.)
- Metal & Thermit Corporation. (See Masing, G., and Dahl, assignors.)
- Metal & Thermit Corporation. (See Masing, G., and Kroll, assignors.)
- Metallic Sash-Operator Company. (See Muschong, Peter J., assignor.)
- Metallic Tag Co. (See Taylor, George H., assignor.)
- Metallics and Non-Metallics Limited. (See Bartram, Vivian T., assignor.)
- Metallizing Company of America, Inc. (See Boyden, Charles, assignor.)
- Metalrelief G. m. b. H. (See Bogaerts, Hubert, assignor.)
- Metals Protection Corporation. (See Hale, Philip P., assignor.)
- Metcalf, Edgar E., Moline, Iowa, assignor to Deere & Company, Moline, Ill. Corn picker. 1,945,119; Jan. 30.
- Metcalf, George F., and A. J. Kling, Schenectady, N. Y., assignors to General Electric Company. Manufacture of selenium tubes. 1,978,165; Oct. 23.
- Metcalf, Harold G., assignor to Columbian Rope Company, Auburn, N. Y. Rope. 1,950,858; Mar. 13.
- Metcalf, Harold G., and K. H. Bowen, assignors to Columbian Rope Company, Auburn, N. Y. Antiskid device. 1,968,952; Aug. 7.
- Metcalf, Herbert E., Walnut Creek, assignor to Sound Laboratory Corporation, Ltd., San Francisco, Calif. Sound recording apparatus. 1,969,143; Aug. 7.
- Metcalf, Irving R., St. Charles, Ill., assignor, by mesne assignments, to Boston Wire Stitcher Company, Warwick, R. I. Conveying mechanism for stitching machines and the like. 1,968,415; July 31.
- Metcalf, Jay H., Grand Rapids, Mich. Embalming fluid control apparatus. 1,964,924; July 3.
- Metcalfe, Lyne S. (See Dygert, H. B., and Metcalfe.)
- Meteor Electric Corporation. (See Taubner, Frank, assignor.)
- Meter Parts Company, The. (See Waddell, Homer J., assignor.)
- Methe, George A., Leominster, Mass. Electric grill. 1,977,237; Oct. 16.
- Metherell, Alexander. (See Pfaff, H. E., Shaffer, and Metherell.)
- Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Metal drawing press. 1,943,032; Jan. 9.
- Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Fuse for projectiles. 1,956,222; Apr. 24.
- Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Fuse for projectiles. 1,956,223; Apr. 24.
- Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Electrical distant indicating apparatus. 1,965,046; July 3.
- Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Torpedo tube. 1,985,184; Dec. 18.
- Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Remote controlled device for inserting and extracting primers for large bore guns. 1,985,185; Dec. 18.
- Metke, Frank H. (See Carter, Samuel C.)
- Metlox Corporation, Ltd. (See Prouty, T. C., and Trinkle, assignors.)
- Metlox Corporation, Ltd. (See Prouty, Willis O., assignor.)
- Metrick, Solomon, Bronx, assignor to Zarkin Machine Company, Inc., New York, N. Y. Graining machine. 1,960,447; May 29.
- Metro-Goldwyn-Mayer Corporation. (See Arnold, John C., assignor.)
- Metro-Goldwyn-Mayer Corporation. (See Ries, I. G., and Shearer, assignors.)
- Metro-Goldwyn-Mayer Corporation. (See Wise, Anthony G., assignor.)
- Metropolitan Device Corporation. (See Bosch, Charles H., assignor.)
- Metropolitan Device Corporation. (See Hoffer, Le Roy H., assignor.)
- Metropolitan Device Corporation. (See Murray, Thomas E., jr., assignor.)
- Metropolitan Device Corporation. (See Rypinski, Albert H., assignor.)
- Metropolitan Engineering Company. (See Bennett, I. T., and Reynolds, assignors.)
- Metropolitan Engineering Company. (See Grady, Charles J., assignor.)
- Metropolitan Engineering Company. (See Hendrickson, Clark V., assignor.)
- Metropolitan Engineering Company. (See Hoffer, Le Roy H., assignor.)

- Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)
- Metropolitan Engineering Company. (See Murray, T. E., Jr., and Williams, assignors.)
- Metropolitan Engineering Company. (See Smith, Albert A., assignor.)
- Metropolitan Sewing Machine Corporation, The. (See Weis, John P., assignor.)
- Metropolitan Sewing Machine Corporation. (See Weis, John P. and A. H., assignors.)
- Metten, John F., Philadelphia, Pa. Heat exchange apparatus. 1,967,961; July 24.
- Metten, John F., Philadelphia, Pa. Steam turbine motor. 1,967,962; July 24.
- Metten, John F., Philadelphia, Pa. Reversing steam turbine. 1,967,963; July 24.
- Metter, Herman C., Milwaukee, Wis. Cord take-up reel. 1,978,644; Oct. 30.
- Metzelaar, Willem. (See Six, W., and Metzelaar.)
- Metzgar, Harry H., assignor of one-half to F. L. Holmes, Smethport, Pa. Nonrefillable container. 1,976,508; Oct. 9.
- Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Purification of gases. 1,942,485; Jan. 9.
- Metzger, Floyd J., New York, N. Y., and A. A. Backus, South Orange, N. J., assignors, by mesne assignments, to U. S. Industrial Alcohol Company, New York, N. Y. Purifying carbon dioxide gas. 1,982,223; Nov. 27.
- Metzger, Frederick W., Moorestown, N. J.; dedicated to the free use of the Public. Insect trap. 1,968,953; Aug. 7.
- Metzger, Frederick W., Moorestown, N. J.; dedicated to the free use of the Public of the United States of America. Insect trap. 1,968,954; Aug. 7.
- Metzler, Kurt, Grossenbain, Germany. Apparatus for producing leno fabric in particular for the production of chenille cloth. 1,953,654; Apr. 3.
- Metzler, Martin, Dortmund-Gartenstadt, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Düsseldorf, Germany. Steel sheet piling of Z-shaped sheet piling iron. 1,962,830; June 12.
- Metzler, Norman R., York, Pa. Curling lotion distributor. 1,973,008; Sept. 11.
- Metzner, Robert B., Wheeling, W. Va. Brake drum. 1,953,815; Apr. 3.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Rotary snap switch. Re19,200; June 5.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Rheostat. 1,971,617; Aug. 28.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 1,977,078; Oct. 16.
- Meunier, Fred H., Denver, Colo. Player organ. 1,968,216; July 31.
- Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Control apparatus for power machines. 1,942,825; Jan. 9.
- Meunier, Roland J., Southbridge, Mass. Identification of piping systems. 1,960,748; May 29.
- Meurer, Nikolaus, Cologne, Germany. Liquid sprayer. 1,948,306; Feb. 20.
- Meurk, Bengt E., Upper Montclair, N. J. Control apparatus for liquid separators. 1,958,010; May 8.
- Meurk, Bengt E., Upper Montclair, N. J. Protective device for surface condensers and the like. 1,978,166; Oct. 23.
- Meuser, Ludwig, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Preparation of ketone-amines. 1,975,167; Oct. 2.
- Meves, Hugo, Chicago, Ill. Dispensing device. 1,984,651; Dec. 18.
- Mexis, John S., Philadelphia, Pa., assignor of one-half to J. R. Herron, Audubon, N. J. Steam jet device. 1,966,591; July 17.
- Meyer, Adolf, Kunsnacht, near Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Steam turbine. 1,944,520; Jan. 23.
- Meyer, Adolph F., St. Paul, Minn. Apparatus for controlling mechanisms. 1,963,371; June 19.
- Meyer, Albert C., Glenshaw, Pa. Bottle. Des. 92,821; July 17.
- Meyer, Albert C., assignor to Glenshaw Glass Company, Glenshaw, Pa. Bottle. Des. 92,544; June 19.
- Meyer, Albert C., assignor to Glenshaw Glass Company, Glenshaw, Pa. Bottle. Des. 93,668; Oct. 23.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,942,657; Jan. 9.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,943,544; Jan. 16.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,944,013; Jan. 16.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,947,213; Feb. 13.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Clutch. 1,947,214; Feb. 13.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,947,215; Feb. 13.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,953,185; Apr. 3.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,956,804; May 1.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,956,805; May 1.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Power transmitting device. 1,957,503; May 8.
- Meyer, Andre J., Detroit, Mich., assignor, by mesne assignments, to Continental Aircraft Company. Internal combustion engine. 1,963,172; June 19.
- Meyer, Andre J., assignor to Continental Motor Corporation, Detroit, Mich. Engine. 1,965,851; July 10.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,967,446; July 24.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,969,814; Aug. 14.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,969,815; Aug. 14.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,969,816; Aug. 14.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,973,856; Sept. 18.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,973,876; Sept. 18.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Pump. 1,975,965; Oct. 9.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,979,075; Oct. 30.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,985,296; Dec. 25.
- Meyer, Andre J., Grosse Pointe Village, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,984,537; Dec. 18.
- Meyer, Arthur A., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Heat treatment of magnetic parts. 1,955,141; Apr. 17.
- Meyer, August H. (See Cole, Harry H., assignor.)
- Meyer, August H., Oshkosh, Wis. Identification apparatus. 1,978,500; Oct. 30.
- Meyer Body Company. (See Meyer, Frederick, assignor.)
- Meyer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Safety mechanism for centrifugal machines. 1,959,732; May 22.
- Meyer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Frictional movement transmitting mechanism for straight knitting machines. 1,971,316; Aug. 21.
- Meyer-Delius, Heinrich, Heidelberg-Schlierbach, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Frequency changing system. 1,982,605; Nov. 27.
- Meyer, Edith J., Co. (See Rothe, Paul A., assignor.)
- Meyer, Edwin M., Parkersburg, W. Va., assignor to Porcelain Products, Inc., Findlay, Ohio. Friction hinge. 1,956,040; Apr. 24.
- Meyer, Egon. (See Schmidt, O., and Meyer.)
- Meyer, Eugene F., assignor to Town Talk Manufacturing Company, Louisville, Ky. Adjustable cap. 1,947,480; Feb. 20.
- Meyer, Eugenie, et al. (See Bodge, William, assignor.)
- Meyer, Francis T., Montclair, N. J., assignor to The Meyer-Sniffen Company, New York, N. Y. Water closet bowl. 1,948,970; Feb. 27.
- Meyer, Francis T., Montclair, N. J., assignor to The Meyer-Sniffen Company, New York, N. Y. Combination fixture. 1,948,971; Feb. 27.
- Meyer, Frank H., assignor to The American Welding & Manufacturing Co., Warren, Ohio. Bending machine. 1,948,474; Feb. 20.
- Meyer, Franz, assignor to firm Carl Zeiss, Jena, Germany. Diaphragm restricting the image field in apparatus for projection with transmitted light. 1,980,492; Nov. 13.
- Meyer, Fred C., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Cable joint. 1,947,481; Feb. 20.
- Meyer, Fred C., Paterson, and G. E. Moffitt, East Paterson, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Pothead or terminal for electric cables. 1,941,614; Jan. 2.
- Meyer, Frederick, assignor to Meyer Body Company, Inc., Buffalo, N. Y. Latch for refrigerator doors. 1,961,904; June 5.
- Meyer, Frederick H. (See Finn, John, Jr., assignor.)
- Meyer, Frederick W., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for controlling and regulating dynamo electric machines. 1,972,689; Sept. 4.
- Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Filling apparatus. 1,965,246; July 3.
- Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Cap feeding apparatus. 1,966,511; July 17.
- Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., assignor.)
- Meyer, Gerhart. (See Hameyer, P., Meyer, and Jungmichl.)
- Meyer, Hermann. (See Schrader, E., Windhorn, and Meyer.)
- Meyer, J. Frank. (See Simpkins, Carl R., assignor.)
- Meyer, Johann, Berlin-Wilmersdorf, Germany. Method of and apparatus for manufacturing V-belts of finite length. 1,959,488; May 22.
- Meyer, John B., and E. J. Groff, assignors to The Adams Company, Dubuque, Iowa. Window. 1,956,649; May 1.
- Meyer, John F. (See Butterworth, Willoughby H., assignor.)

- Meyer, John F. (See Geis, Joseph, assignor.)
 Meyer, John F. (See Kirk, Claude R., assignor.)
 Meyer, John F. (See Neumann, Victor, assignor.)
 Meyer, John F. (See Simpkins, Carl R., assignor.)
 Meyer, John F. (See Smith, Percy C., assignor.)
 Meyer, John F., Chicago, Ill. Vending machine cabinet. Des. 92,669; July 3.
 Meyer, John F., Pasadena, Calif. Amusement machine. 1,942,718; Jan. 9.
 Meyer, John F., Pasadena, Calif. Amusement machine. 1,976,082; Oct. 9.
 Meyer, Judith L., administratrix. (See Meyer, Ralph J., assignor.)
 Meyer, Karl, Berlin-Spandau, assignor to Orenstein & Koppel Aktiengesellschaft, Berlin, Germany. Automatic block signaling system. 1,953,718; Apr. 3.
 Meyer, Lewis J., Tererro, N. Mex. Foldable rack. 1,946,633; Feb. 13.
 Meyer, Otto, assignor to firm Armaturen- und Maschinenfabrik Akt.-Ges., vorm. J. A. Hilpert, Nuremberg, Germany. Pneumatic delivery plant for raising liquids from great depths. 1,960,448; May 29.
 Meyer, Paul H. (See Wynne, R. J., and Meyer.)
 Meyer, Peter, Newark, N. J., assignor to Westinghouse Lamp Company. Article feeding and positioning machine. 1,944,360; Jan. 23.
 Meyer, Pierre H., New York, N. Y. Partition support. 1,978,501; Oct. 30.
 Meyer, Ralph J., deceased, Denver, Colo.; J. L. Meyer, administratrix. Prison protection. 1,967,511; July 24.
 Meyer, Richard T., assignor to The Pure Oil Company, Chicago, Ill. Measuring pump switch. 1,951,942; Mar. 20.
 Meyer-Sniffen Company, The. (See Meyer, Francis T., assignor.)
 Meyer, Walter G. (See Asher, A. L., and Meyer.)
 Meyer, William A., Galveston, Tex. Fuel vaporizer. 1,968,698; July 31.
 Meyercord, George R. (See Basquin, O. H., Harazin, and Gerlach, assignors.)
 Meyercord, George R., Chicago, Ill., assignor to Haskelite Manufacturing Corporation. Gluing laminated panels. 1,945,560; Feb. 6.
 Meyercord, George R., Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation. Producing panel having a charred face. 1,972,942; Sept. 11.
 Meyercord, George R., Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation. Tying containers to freight cars. 1,974,686; Sept. 25.
 Meyer-Gaus, Karl, Wuppertal-Elberfeld, Germany, assignor to American Bemberg Corporation, New York, N. Y. Washing machine for spinning cakes. 1,964,527; June 26.
 Meyer-Jagenberg, Günther, Dusseldorf, Germany. Process and machine for automatic manufacture of one-piece boxes. 1,952,987; Mar. 27.
 Meyer-Jagenberg, Günther, Dusseldorf, Germany. Machine for packing cigarettes into boxes. 1,964,925; July 8.
 Meyers, Charles W., Cleveland Heights, Ohio. Truck. 1,942,562; Jan. 9.
 Meyers, Henry R. B., Milltown, N. J. Wall covering. 1,971,654; Aug. 28.
 Meyers, Otto B., Quakertown, Pa., assignor to Markem Machine Company, Keene, N. H. Printing device. 1,979,045; Oct. 30.
 Meyerson, Louis B., Greenwich, Ohio. Sterilizer. 1,951,099; Mar. 13.
 Meyncke, William C., Glenshaw, Pa., assignor to National Tube Company. Pipe lining machine. 1,973,440; Sept. 11.
 "Mig" Muhlenbau und Industrie Aktiengesellschaft. (See Schaefer, Josef, assignor.)
 Miami Cabinet Company, The. (See Ash, James W., assignor.)
 Miami Systems Corporation, The. (See Konerman, W. A., Rump, and Farr, assignors.)
 Mian, Luigi, Roxbury, Mass. Work of art and making the same. 1,971,014; Aug. 21.
 Miano, Nicholas J., Bronx, N. Y. Liquid meter. 1,969,024; Aug. 7.
 Micafil A.-G. (See Wirth, Heinrich, assignor.)
 Micafil Aktiengesellschaft. (See Gubler, Ulrich, assignor.)
 Micamold Radio Corporation. (See Benedek, Martin H., assignor.)
 Micamold Radio Corporation. (See Bergstein, Milton, assignor.)
 Micamold Radio Corporation. (See Greenberg, Jack, assignor.)
 Micamold Radio Corporation. (See Sklar, Herman L., assignor.)
 Micek, Richard, San Diego, Calif. Inclinator. 1,957,897; May 8.
 Michael, Gus F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,966,129; July 10.
 Michael, Walter J., Bucyrus, Ohio. Burial vault. Des. 91,893; Apr. 3.
 Michaelis, Lothar. (See Lilienthal, M., and Michaelis.)
 Michaelien, Henry, New York, N. Y. Beer pipe circulation cleaner. 1,951,252; Mar. 13.
 Michal, James, assignor to Stockline Furniture Corporation, Chicago, Ill. Adjustable wheel and brake mechanism for baby carriages. 1,973,352; Sept. 11.
 Michauka, Anthony, Chicago, Ill. Latch mechanism. 1,982,529; Nov. 27.
 Micheal, George L., Harlan, assignor to R. B. Maw, Pineville, Ky. Tire for mine locomotive wheels. 1,963,859; June 19.
 Michel, Harold, New York, N. Y. Attaching a handle to a stem or spindle. 1,982,011; Nov. 27.
 Michel, Josef M., Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Heat treatment of light metals. 1,953,003; Mar. 27.
 Michel, Josef M., Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Protecting magnesium and high grade magnesium alloys from the action of corroding agents. 1,980,282; Nov. 13.
 Michel, Max, Pirmasens, Germany. Standardizing Röntgen ray photographs. 1,953,249; Apr. 3.
 Michel, René, Argenteuil, Seine-et-Oise, France, assignor, by mesne assignments, to American Rolling Mill Company, Middletown, Ohio. Rolling mill. Re19,406; Dec. 25.
 Michel, Richard, Crefeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Compound of the carbazole group. 1,972,232; Sept. 4.
 Michel, William G., Niagara Falls, N. Y. Electrolytic cell. 1,982,224; Nov. 27.
 Michelin, André J., deceased, by M. J. J. Michelin, executor, Clermont-Ferrand, France; said A. J. Michelin assignor to Michelin et Cie, Clermont-Ferrand, France. Railway vehicle wheel fitted with pneumatic tires. Re19,226; June 26.
 Michelin, André J., Paris, assignor to Michelin et Cie, Clermont-Ferrand, France. Lifting apparatus. 1,942,114; Jan. 2.
 Michelin, André J., Paris, assignor to Michelin et Cie, Clermont-Ferrand, France. Wheel. 1,972,664; Sept. 4.
 Michelin et Cie. (See Bourdon, Pierre M., assignor.)
 Michelin et Cie. (See Michelin, André J., assignor.)
 Michelin, Marcel J. J., executor. (See Michelin, André J.)
 Michell, Anthony G. M., Melbourne, Australia, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless mechanism. 1,952,089; Mar. 27.
 Michell, Anthony G. M., Melbourne, Australia, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Internal combustion engine. 1,961,905; June 5.
 Michell-Crankless Engines Corporation. (See Michell, Anthony G. M., assignor.)
 Michell-Crankless Engines Corporation. (See Sherman, Thomas L., assignor.)
 Michell, Roy G. (See Partlow, John G., assignor.)
 Michelson, Ellis, Lynn, Mass. Irrigating eye cup. 1,966,557; July 17.
 Michelssen, Fritz. (See Jobst, G., Michelssen, and Wehnert.)
 Michelssen, Fritz. (See Schröter, F., and Michelssen.)
 Michelssen, Fritz, assignor to Telefonken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Constant voltage device. 1,949,617; Mar. 6.
 Michelssen, Fritz, and F. Schröter, assignors to Telefonken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Glow lamp. 1,955,079; Apr. 17.
 Michener, Arthur E., Bellevue, Ohio. Weighing scale. 1,980,731; Nov. 13.
 Michiana Products Corporation. (See Sullivan, William B., assignor.)
 Michigan Fruit Cannery, Inc. (See Hicks, Walter M., assignor.)
 Michigan Power Shovel Company. (See Bernhard, Walter E., assignor.)
 Michigan, The State Board of Agriculture of the State of. (See Huston, R. C., and Lightbody, assignors.)
 Michigan Steel Casting Company. (See Summers, Bertrand S., assignor.)
 Michigan Steel Corporation. (See Keller, Emil, assignor.)
 Michigan Tool Company. (See Drader, J. C., and Dalzen, assignors.)
 Michigan Tool Company. (See Kilmer, Austin J., assignor.)
 Michigan Wire Goods Company. (See Smith, Benjamin H., assignor.)
 Michlun, Andrew F., North Andover, Mass. Dispensing machine. 1,951,486; Mar. 20.
 Michlun, Andrew F., New York, N. Y., assignor to A. R. Michlun, Washington, D. C. Safety anchor. 1,970,178; Aug. 14.
 Michlun, Anna R. (See Michlun, Andrew F., assignor.)
 Michot-Dupont, Georges F., Vincennes, France, assignor to "Physical Chemistry Research Cy", Wilmington, Del. Deriving liquid hydrocarbons from solid carbonizable materials. 1,981,614; Nov. 20.
 Mickadelt, Frank E., Kansas City, Mo. Container. 1,961,565; June 5.
 Mickle, Le Roy J., Upper Darby, Pa. Flasher switch. 1,959,634; May 22.
 Mickles, Lindsay C. (See Boucher, Charles P., assignor.)
 Mickle, Erich. (See Herre, P., and Mickle.)
 Micon, David, Milwaukee, Wis. Apparatus for covering mattresses. 1,947,216; Feb. 13.
 Micon, David, Milwaukee, Wis. Mattress tufting machine. 1,947,217; Feb. 13.
 Micro Corporation, The. (See Baumberger, William J., assignor.)
 Micro Corporation, The. (See Bettendorf, William E., assignor.)
 Micro Corporation, The. (See Criner, Harry E., assignor.)

- Micro Corporation, The. (See Criner, Harry J. and H. E., assignors.)
- Micro Corporation, The. (See Kottman, Arthur A., assignor.)
- Micro Corporation, The. (See Miller, Hercheal W., assignor.)
- Micro Corporation, The. (See Simmons, Earl C., assignor.)
- Micromatic Hone Corporation. (See Connor, K. W., and Kern, assignors.)
- Micromatic Hone Corporation. (See Jeschke, Frank J., assignor.)
- Micromatic Hone Corporation. (See Kern, Fred M., assignor.)
- Microphone Corporation of America. (See Kaplowitz, Morris, assignor.)
- Midby, Gilbert, Whitefish, Mont. Building material. 1,943,033; Jan. 9.
- Mid-Continent Petroleum Corporation. (See Bennett, Harry T., assignor.)
- Mid-Continent Petroleum Corporation. (See Bennett, H. T., and Story, assignors.)
- Middlebrook, Howard, Middlesex, N. Y. Portable pier. 1,975,049; Sept. 25.
- Middlemiss, Austin O., Portland, Oreg. Combination jack. 1,943,737; Jan. 16.
- Middleton, Leslie H., assignor to Moto Meter Gauge & Equipment Corporation, LaCrosse, Wis. Lamp. 1,974,341; Sept. 18.
- Middleton, William E., assignor to The Stanley Works, New Britain, Conn. Display card mounting. 1,959,923; May 22.
- Midgley, Albert H., Wembley, England. Acoustic apparatus. 1,950,319; Mar. 6.
- Midgley, Albert H., Uxbridge, England. Apparatus for producing sounds of a musical character. 1,950,859; Mar. 13.
- Midgley, Albert H., London, England. Acoustic apparatus. 1,960,449; May 29.
- Midgley, Herbert, deceased, Worcester Bank & Trust Company executor, assignor to The Howard Brothers Manufacturing Company, Worcester, Mass. Card clothing trimming machine. 1,965,505; July 3.
- Midgley, Roy A., Las Vegas, Nev. Internal combustion engine. 1,983,237; Dec. 4.
- Midgley, Thomas, jr., Worthington, Ohio, assignor to General Motors Corporation, Detroit, Mich. Chemistry. 1,961,774; June 5.
- Midgley, Thomas, jr., Worthington, A. L. Henne, Columbus, and R. R. McNary, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Heat transfer. Re19,265; Aug. 7.
- Midgley, Thomas, jr., Worthington, A. L. Henne, Columbus, and R. R. McNary, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Heat transfer and refrigeration. 1,968,049; July 31.
- Midgley, Thomas, jr., Worthington, A. L. Henne, Columbus, and R. R. McNary, assignors, by mesne assignments, to General Motors Corporation, Dayton, Ohio. Heat transfer and refrigeration. 1,968,050; July 31.
- Midland Company, The. (See Dodds, Ethan I., jr., assignor.)
- Midland Cresoating Company, The. (See Newton, Harold M., assignor.)
- Midland Steel Products Company. (See Crowe, James H., assignor.)
- Midland Steel Products Company. (See Maddock, R. H., and Knudsen, assignors.)
- Midland Steel Products Company, The. (See McKinley, William A., assignor.)
- Midland Steel Products Company. (See Riemenschneider, Ernest, assignor.)
- Midland Steel Products Company, The. (See Riemenschneider, E., and Thoms, assignors.)
- Midland Steel Products Company, The. (See Sneed, John, assignor.)
- Midland Steel Products Company, The. (See Stoner, Willis G., assignor.)
- Midland Steel Products Company. (See Thoms, Rudolph H., assignor.)
- Midland Steel Products Company. (See Thoms, R. H., and Maddock, assignors.)
- Midland Steel Products Company, The, trustee. (See Sneed, John, assignor.)
- Midnight, Wilbur G., assignor to Perfection Stove Company, Cleveland, Ohio. Refrigeration apparatus. 1,946,029; Feb. 6.
- Mid-States Gunned Paper Co. (See Humphner, Ferdinand W., assignor.)
- Midway Chemical Company. (See Glover, John, assignor.)
- Mid-West Forging Company. (See Hench, Jay L., assignor.)
- Midwest Manufacturing Company. (See Wittemeler, H., and Neumann, assignors.)
- Midwest Piping & Supply Co. Inc. (See Fantz, Fred C., assignor.)
- Miedel, Hermann, Frankfurt-on-the-Main, Germany, assignor to Revertex Limited, London, England. Producing rubber poor in alumen. 1,947,949; Feb. 20.
- Miehle, Mabel K., administratrix. (See Miehle, Robert.)
- Miehle Printing Press and Manufacturing Company, The. (See Blaine, Joseph R., assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Dudley, Edward F., assignor.)
- Miehle Printing Press & Mfg. Company, The. (See Jacobson, Arthur G., assignor.)
- Miehle Printing Press and Manufacturing Company, The. (See Rich, F. E., and Burdick, assignors.)
- Miehle Printing Press and Manufacturing Company. (See Ruble, C., Bond and Drake, assignors.)
- Miehle Printing Press & Mfg. Company, The. (See Sites, Benjamin L., assignor.)
- Miehle, Robert, deceased, Chicago, Ill., by M. K. Miehle, administratrix. Inking mechanism for printing presses. 1,985,186; Dec. 18.
- Miele, Paschal J., Rahway, N. J. Pipe. 1,967,367; July 24.
- Miersbe, Adolf, Cologne-on-the-Rhine, Germany. Steam circulation heating plant. 1,969,181; Aug. 7.
- Miesse, Richard E., assignor, by mesne assignments, to General Scientific Corporation, Chicago, Ill. Electrode for luminous positive column gaseous conducting devices. 1,953,625; Apr. 3.
- Miesse, Richard E., assignor, by mesne assignments, to General Scientific Corporation, Chicago, Ill. Permanent color gaseous conduction tubes. 1,977,688; Oct. 23.
- Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Push-pull amplifier system. 1,946,092; Feb. 6.
- Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical filter system. 1,947,218; Feb. 13.
- Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical rectifying and filtering system. 1,948,307; Feb. 20.
- Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical amplifying system. 1,953,062; May 8.
- Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America. Amplifying and reproducing system. 1,958,198; May 8.
- Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier system. 1,983,802; Dec. 11.
- Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical rectifying and filtering system. 1,984,418; Dec. 18.
- Miessner, Benjamin F., Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Method and apparatus for the production of music. 1,961,159; June 5.
- Miessner, Benjamin F., Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Method and apparatus for the production of music. 1,977,832; Oct. 23.
- Miessner, Benjamin F., Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Apparatus for the production of music. 1,979,633; Nov. 6.
- Miessner, Benjamin F., Millburn Township, Essex County, and C. T. Jacobs, Chatham, N. J., assignors to Miessner Inventions, Inc. Amplifying system. 1,963,668; June 19.
- Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
- Miessner Inventions, Inc. (See Miessner, B. F., and Jacobs, assignors.)
- Mietzner, Anton, New York, N. Y. Fire extinguisher device. 1,950,562; Mar. 13.
- Mietzsch, Fritz. (See Klarer, Joseph, Mietzsch, and Hahl.)
- Migrdichian, Vartkes, Elizabeth, N. J., and J. L. Horsfall, Yonkers, assignors to American Cyanamid Company, New York, N. Y. Cyanamid seed disinfectant. 1,949,485; Mar. 6.
- Miguet, Paul L. J., and M. P. Perron, St. Julien de Maurienne, France. Electric furnace method. 1,944,521; Jan. 23.
- Miguet, Paul L. J., and M. P. Perron, St. Julien de Maurienne, France. Casting molten material. 1,961,063; May 29.
- Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Vending machine. 1,942,440; Jan. 9.
- Mihalvi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film package. 1,947,482; Feb. 20.
- Mihalvi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Self-threading camera. 1,947,483; Feb. 20.
- Mihalvi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Optical system for projecting machines. 1,962,356; June 12.
- Mihalvi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film moving mechanism. 1,969,471; Aug. 7.
- Mick, Frederick E., Philadelphia, and F. E. Major, Elkins Park, Pa., assignors to Link-Belt Company, Chicago, Ill. Screen. 1,984,891; Dec. 18.
- Mikaelson, Erik W., assignor to Treadwell Engineering Company, Easton, Pa. Sheet or strip feeding mechanism. 1,946,170; Feb. 6.
- Mikaelson, Erik W., assignor to Treadwell Engineering Company, Easton, Pa. Machine for coiling strips. 1,956,906; May 1.
- Mikaelson, Erik W., assignor to Treadwell Engineering Company, Easton, Pa. Material feeding mechanism. 1,967,558; July 24.

- Mikamo, Yoshiharu, and I. Koda, Watsonville, Calif. Toy. 1,942,719; Jan. 9.
- Mikel, Claude S., assignor of one-half to F. B. Morse, Rochester, N. Y. Massaging and washing device for use in bathtubs. 1,954,940; Apr. 17.
- Mikesell, Herbert S., Richmond, Ind. Golf drive indicator. 1,975,368; Oct. 2.
- Mikesh, Martin, Jersey City, N. J. Tobacco pipe. 1,960,749; May 29.
- Mikesh, Martin A., Lawrenceville, N. J. Combined pipe cleaner and ash receiver. 1,979,115; Oct. 30.
- Mikeska, Peter L., Schenectady, N. Y., assignor to General Electric Company. Combustion arrangement for oil burners. 1,983,386; Dec. 4.
- Miksch, Arthur W., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Sand blasting apparatus. 1,970,762; Aug. 21.
- Mikulasek, John. (See Miller, G. L., and Mikalusek.)
- Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Clutch mechanism. 1,947,420; Feb. 13.
- Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Gasoline engine starter. 1,973,218; Sept. 11.
- Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Air cleaner. 1,983,866; Dec. 11.
- Mikut, Paul O., Dresden, Germany. Projecting cinematographic pictures in natural colors. 1,982,530; Nov. 27.
- Milam, Oran A. and R. E., assignors of one-third to Douglas Coalson, Brownwood, Tex. Machine for sawing nuts and the like. 1,978,808; Oct. 30.
- Milan, Joseph M., Alhambra, Calif. Motor vehicle brake. 1,958,922; May 15.
- Milani, Edward, San Francisco, Calif. Shipping receptacle. 1,979,750; Nov. 6.
- Milar, Karl A., Evanston, Ill. Coating material. 1,957,179; May 1.
- Milbert Company. (See Cohen, Harry, assignor.)
- Milbery, Percy H., Pembroke, assignor to National Fireworks, Inc., West Hanover, Mass. Toy pistol. 1,965,247; July 3.
- Milbrath, Arthur F., Milwaukee, Wis. Combined intake and exhaust manifold. 1,968,699; July 31.
- Milburn, Edwin J., assignor to National Floor Company, Chicago, Ill. Artificial stone floor and making it. 1,968,784; July 31.
- Milburn, Lessitor C., Towson, assignor to The Glenn L. Martin Company, Baltimore, Md. Transoceanic flying boat. Des. 91,634; Feb. 27.
- Milburn, Lessitor C., Towson, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. Des. 93,730; Oct. 30.
- Milburn, Lessitor C., Towson, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. Des. 93,731; Oct. 30.
- Milcor Steel Company. (See Curtis, Lewis E., assignor.)
- Milcor Steel Company. (See Schmieder, Robert S., assignor.)
- Milcor Steel Company. (See Siebenlist, Anthony G., assignor.)
- Mildner, Hans. (See Zitscher, A., Mildner, and Luce.)
- Miles, Frederick J., New Providence, assignor to M. B. Levin, Elizabeth, N. J. Freezer. 1,971,791; Aug. 28.
- Miles, James E., Bellevue, Wash. Measuring and dispensing device. 1,969,091; Aug. 7.
- Miles, Lester H., Los Angeles, Calif. Siren. 1,958,633; May 15.
- Miles, R. E., jr. (See Carney, Arthur T., assignor.)
- Milbening, J., Inc. (See Bager, Ernest, assignor.)
- Milk Processes, Incorporated. (See Wendt, Herman D., assignor.)
- Milkowski, Victor J., Baldwinsville, N. Y. Centrifugal pump. 1,953,108; May 8.
- Milkowski, Victor J., Baldwinsville, N. Y., and P. F. Jahncke, New Orleans, La. Pump lining. 1,952,179; Mar. 27.
- Mill Devices Company, Inc. (See Tatlock, Roberts, assignor.)
- Mill Engineering and Supply Company. (See Winquist, Victor H., assignor.)
- Mill, Henry, et al. (See Gutmann, John F., assignor.)
- Millan, Edward N., and E. B. Hudson, assignors to The American Rolling Mill Company, Middletown, Ohio. Pickling device employing vibration. 1,944,607; Jan. 23.
- Millar, Harold E., Windsor, near Melbourne, Victoria, Australia. Device for the projection of moving advertising matter, announcements, and the like. 1,981,739; Nov. 20.
- Millar, Julian Z., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Signal repeater. 1,971,755; Aug. 28.
- Millar Patent Electric Control Company Limited, The. (See Millar, Thomas L. M., assignor.)
- Millar, Thomas L. M., assignor to The Millar Patent Electric Control Company Limited, Hamilton, New Zealand. Electric circuit breaker reclosing relay. 1,976,183; Oct. 9.
- Millen, James, Malden, Mass. Electrical choke coil. Des. 93,499; Oct. 2.
- Millen, James, Malden, Mass. Coil selecting and indicating means for short wave radio apparatus. 1,982,751; Dec. 4.
- Millenaar, Richard. (See Henry, H. H., and Millenaar.)
- Miller, Abraham B., assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum and its manufacture. 1,969,272; Aug. 7.
- Miller, Addison, Incorporated. (See James, H. C., and Heavers, assignors.)
- Miller, Albert, Mondovi, Wis. Corn planter attachment. 1,980,074; Nov. 6.
- Miller, Albert T. and P. C., Jacksonville, Fla. License tag protection device. 1,975,796; Oct. 9.
- Miller, Alfred J., jr., Brooklyn, N. Y. Vehicle window shade. 1,955,466; Apr. 17.
- Miller, Allan et al. (See Strohofer, Kenneth W., assignor.)
- Miller, Alvin L., and R. H. Miller, Detroit, Mich. Brake gauge adapter. 1,949,971; Mar. 6.
- Miller, Andrew B., Baldwin, Wis. Washing machine. 1,941,706; Jan. 2.
- Miller, Andrew C. (See Wynne, C. H. L., Knott, and Miller.)
- Miller, Anna B., et al., trustees. (See Milone, Samuel, assignor.)
- Miller, Anne, Turso, Caithness, Scotland. Vehicle tire. 1,985,187; Dec. 18.
- Miller, Anni. (See Schneider, Andreas, assignor.)
- Miller, Ansel D. (See Martindell, F., and Miller.)
- Miller, Arthur E., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for discharging concrete transporting vehicles. 1,966,866; July 17.
- Miller, Arthur G., Kansas City, Mo. Fuse switch. 1,959,595; May 22.
- Miller, Arthur W., Milwaukee, Wis. Air cleaner. 1,946,291; Feb. 6.
- Miller, Augustus, East Orange, N. J. Weather strip. 1,972,788; Sept. 4.
- Miller, Benjamin, Chicago, Ill. Refrigerating apparatus. 1,948,275; Feb. 20.
- Miller, Benjamin F., and F. S. Starbald, assignors of one-third to C. O. Purdin, Portland, Ore. Air and water cooling apparatus. 1,966,802; July 17.
- Miller, Benjamin H. (See Trainer, J. E., and Miller.)
- Miller, Benjamin W., Parkersburg, W. Va. Cable support for highway barriers. 1,974,719; Sept. 25.
- Miller, Brian E. M., London, England, assignor to Celanese Corporation of America. Production of acidyl-2,4,6-tribromanilides. 1,960,275; May 29.
- Miller-Bryant-Pierce Company, The. (See Shiek, Daniel W., assignor.)
- Miller, Calvin E., Bethlehem, Pa. Therapeutic apparatus. 1,953,424; Apr. 3.
- Miller, Carl W. (See Anderson, J. P., and Miller.)
- Miller, Carl W., et al., trustees. (See Milone, Samuel, assignor.)
- Miller, Carroll, Pittsburgh, assignor to Thermoatomic Carbon Company, Pittsburgh, Pa. Apparatus for removing oil from thermatomic carbon. 1,947,789; Feb. 20.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,587; Feb. 20.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,588; Feb. 20.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,589; Feb. 20.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,590; Feb. 20.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,591; Feb. 20.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,681; Mar. 6.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,682; Mar. 6.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,683; Mar. 6.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,894; Apr. 3.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,895; Apr. 3.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,953; Apr. 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,954; Apr. 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,955; Apr. 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,956; Apr. 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,957; Apr. 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,958; Apr. 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 91,959; Apr. 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,016; Apr. 17.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,149; May 1.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,150; May 1.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,727; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,728; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,729; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,730; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,731; July 10.

- Miller, Charles, New York, N. Y. Shoe. Des. 92,732; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,733; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,734; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,735; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,736; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,737; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,738; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,739; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,740; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,741; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,742; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,743; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,744; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,745; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,746; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,747; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,748; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,749; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,750; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,751; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,752; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,753; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,754; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,755; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,756; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,757; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,758; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,759; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,760; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,761; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,762; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,763; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,764; July 10.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,856; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,857; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,858; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,859; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,860; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,861; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,862; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,863; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,864; July 24.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,916; July 31.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,917; July 31.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,972; Aug. 7.
- Miller, Charles, New York, N. Y. Shoe. Des. 92,973; Aug. 7.
- Miller, Charles, New York, N. Y. Shoe. Des. 93,565; Oct. 9.
- Miller, Charles, Long Island City, N. Y. Boat or similar article. Des. 93,838; Nov. 13.
- Miller, Charles, Long Island City, N. Y. Shoe and retaining means therefor. 1,942,486; Jan. 9.
- Miller, Charles, Long Island City, N. Y. Ornamentation. 1,954,215; Apr. 10.
- Miller, Charles, Long Island City, N. Y. Shoe. 1,954,216; Apr. 10.
- Miller, Charles, Long Island City, N. Y. Turned shoe process. 1,974,720; Sept. 25.
- Miller, Charles, Long Island City, N. Y. Tongue for a shoe. 1,974,721; Sept. 25.
- Miller, Charles, Long Island City, N. Y. Boot. 1,978,140; Oct. 23.
- Miller, Charles A., New York, N. Y. Exhaust gas purifier for vehicles. 1,953,120; Apr. 3.
- Miller, Charles A., Portage, Ohio. Dirt spreader and grader. 1,961,064; May 29.
- Miller, Charles A., Weatherly, Pa. Driving mechanism. 1,961,300; June 5.
- Miller, Charles A., Weatherly, Pa. Power wrench. 1,970,179; Aug. 14.
- Miller, Charles A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Time lock. 1,962,933; June 12.
- Miller, Charles A., and C. B. Karns, Franklin, Pa., assignors, by mesne assignments, to Valvoline Oil Company, Cincinnati, Ohio. Solid lubricant. 1,973,537; Sept. 11.
- Miller, Charles F., Miami, Fla. Combined shutter and awning. 1,949,573; Mar. 6.
- Miller, Charles F., jr., Washington, D. C., assignor to Lynch Corporation. Glassware shaping apparatus. 1,957,410; May 1.
- Miller, Charles G., assignor to McClaren Rubber Company, Charlotte, N. C. Tire. Des. 92,417; June 5.
- Miller, Charles G., assignor to McClaren Rubber Company, Charlotte, N. C. Tire. Des. 92,418; June 5.
- Miller, Charles G., assignor to McClaren Rubber Company, Charlotte, N. C. Tire. Des. 92,484; June 12.
- Miller, Charles H. (See Abbott, A. L., and Miller.)
- Miller, Charles H., assignor to E. H. Sargent & Co., Chicago, Ill. Variable speed transmission. 1,973,576; Sept. 11.
- Miller, Charles J., Chicago, Ill. Table. 1,953,655; Apr. 3.
- Miller, Charles J., Los Angeles, Calif. Making a weldless link. 1,959,489; May 22.
- Miller, Charles J., Buffalo, N. Y. Automobile signal. 1,970,332; Aug. 14.
- Miller, Charles J., Chicago, Ill. Table. 1,976,083; Oct. 9.
- Miller and Chong. (See Miller, T. S., and Leong, assignors.)
- Miller, Christian, New York, N. Y., assignor to Edwards and Company, Inc. Push button switch construction. 1,949,806; Mar. 6.
- Miller, Christian, and J. C. Joost, New York, N. Y., assignors to Edwards and Company, Inc. Push button switch construction. 1,944,522; Jan. 23.
- Miller, Clarence W., Detroit, and G. C. Goode, Birmingham, assignors to Chrysler Corporation, Detroit, Mich. Motor bus power unit. 1,944,256; Jan. 23.
- Miller, Clarke C. (See Payne, E. H., and Miller.)
- Miller, Clinton, H., jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Valve. 1,981,825; Nov. 20.
- Miller Company, The. (See Doane, Leroy C., assignor.)
- Miller Company, The. (See Doane, L. C., and Wolter, assignors.)
- Miller Company, The. (See Naysmith, Shirley R., assignor.)
- Miller, Constantine G. (See Finston, V., and Miller.)
- Miller, Daniel D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switching device. 1,973,090; Sept. 11.
- Miller, David, Chicago, Ill. Renewable fuse. 1,972,569; Sept. 4.
- Miller Devices Inc. (See Miller, Philip M., assignor.)
- Miller, Donald W. (See Russell, E. A., and Miller.)
- Miller, Dorr, Detroit, Mich., assignor to The Dura Company, Toledo, Ohio. Door handle mounting. 1,976,263; Oct. 9.
- Miller, Edward E., and V. C. Miller, Bryn Mawr, and J. E. Powell, Issaquah, Wash., assignors to National Poultry Equipment Co. Egg cleaning machine and method. 1,964,295; June 26.
- Miller, Edward J., Minneapolis, Minn. Apparatus for applying wall finishes. 1,960,276; May 29.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Worm cutting machine. 1,948,530; Feb. 27.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine and method for forming externally toothed machine elements. 1,953,969; Apr. 10.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Displacement generating machine. 1,953,970; Apr. 10.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Finishing gears by lapping, etc. 1,955,082; Apr. 17.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Wheel truing machine. 1,978,845; Oct. 30.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield Vt. Gear finishing generating machine. 1,984,194; Dec. 11.
- Miller, Elias N., Los Angeles, Calif. Wire clamping and twisting device. 1,966,018; July 10.
- Miller, Elizabeth R., executor, et al. (See Miller, Henry C.)
- Miller, Elmer, and G. C. Wendt, Boonton, N. J. Heel. 1,952,330; Mar. 27.
- Miller, Emmet S., Milwaukee, Wis. Wall construction. 1,959,135; May 15.
- Miller, Ernest B. (See Conroy, G. C., and Miller.)
- Miller, Ernest B., assignor, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Refrigeration apparatus. 1,943,616; Jan. 16.

- Miller, Ernest B., assignor, by mesne assignments, to C. F. Hockley, receiver for Silica Gel Corporation, Baltimore, Md. Adsorber. 1,943,617; Jan. 16.
- Miller, Ernest B., assignor, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Refrigeration. 1,944,799; Jan. 23.
- Miller, Ernest B., assignor, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Safety device for refrigeration systems. 1,944,899; Jan. 30.
- Miller, Ernest B., assignor, by mesne assignments, to Chester F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Dampener valve. 1,944,900; Jan. 30.
- Miller, Ernest B., assignor, by mesne assignments, to The Silica Gel Corporation, Baltimore, Md. C. F. Hockley, receiver. Air conditioning system. 1,945,441; Jan. 30.
- Miller, Ernest B., assignor, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Adsorber system. 1,954,056; Apr. 10.
- Miller, Ernest B., and G. C. Connolly, assignors, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Refrigeration process. 1,961,890; June 5.
- Miller, Ernest F., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchange apparatus. 1,955,433; Apr. 17.
- Miller, Ernest M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 1,953,425; Apr. 3.
- Miller, Ernest M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system for fuel burners. 1,958,093; May 8.
- Miller, Fay H. (See Ralston, O. C., and Miller.)
- Miller, Ferdinand. (See Walker, J., and Miller.)
- Miller, Frank, Easton, Pa., assignor to Ingersoll Rand Company, Jersey City, N. J. Drilling apparatus. 1,957,073; May 1.
- Miller, Frank P., Meadville, Pa. Boring tool. 1,949,872; Mar. 6.
- Miller, Frank P., Meadville, Pa. Inserted blade cutter. 1,951,101; Mar. 13.
- Miller, Frank P., Meadville, Pa. Window guard. 1,962,569; June 12.
- Miller, Frank P., assignor to McCrosky Tool Corporation, Meadville, Pa. Rotary cutter. 1,946,869; Feb. 13.
- Miller, Frank P., and L. Skeel, Meadville, Pa. Inserted blade cutter. 1,957,348; May 1.
- Miller, Frank P., and J. A. Spohr, assignors to McCrosky Tool Corporation, Meadville, Pa. Inserted blade cutter. 1,951,100; Mar. 13.
- Miller, Frank W., assignor to Yarnall-Waring Company, Philadelphia, Pa. Valve. 1,954,018; Apr. 10.
- Miller, Frank W., assignor to Yarnall-Waring Company, Philadelphia, Pa. Water gauge illuminator. 1,967,477; July 24.
- Miller, Franklin C., and J. H. Wagener, Pittsburgh, Pa. Air washing system. 1,953,537; Apr. 3.
- Miller, Fred J., Appleton, Wis. Car mover. 1,948,123; Feb. 20.
- Miller, Frederick B., Montclair, N. J., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Article carrier. 1,971,322; Aug. 21.
- Miller, Frederick H., Portland, Oreg. Slicer. 1,973,383; Sept. 11.
- Miller, Frederick W., Belleville, N. J., assignor to H. E. Kampf, New York, N. Y., and D. L. Cole Paterson N. J. Weighting silk. 1,966,991; July 17.
- Miller, Gail E., Lima, assignor of one-half to W. F. Creman, Toledo, Ohio. Irrigator. 1,949,574; Mar. 6.
- Miller, Gail E., Lima, assignor of one-half to W. F. Creman, Toledo, Ohio. Irrigator. 1,949,575; Mar. 6.
- Miller, George H., assignor to Metal Forms Corporation, Milwaukee, Wis. Adjustable curb face. 1,944,257; Jan. 23.
- Miller, George L., and J. Mikulasek, assignors to The Maytag Company, Newton, Iowa. Clutch device for motor accelerating means. 1,973,217; Sept. 11.
- Miller, George W., Rochester, N. Y. Shoe lasting device. 1,955,886; Apr. 24.
- Miller, Guy S., New York, N. Y. Nonrefillable liquid-dispensing can. 1,952,558; Mar. 27.
- Miller, H. H., Industries Company, The. (See Ackerman, Michael H., assignor.)
- Miller, H. H., Industries Company, The. (See Morrow, Clifford, assignor.)
- Miller, Hans, Berlin-Lichterfelde, Germany, assignor to Westinghouse Electric & Manufacturing Company. Valve operating mechanism. 1,966,209; July 10.
- Miller, Hans R., Fergus Falls, Minn. Road building machine. 1,942,084; Jan. 2.
- Miller, Hans R., Fergus Falls, Minn. Machine for digging, removing, and smoothing dirt, gravel, and the like. 1,974,190; Sept. 18.
- Miller, Harold D., Rochester, N. Y. Outlet and connection. 1,948,933; Feb. 27.
- Miller, Harold S., Quincy, assignor to Beckwith Manufacturing Company, Boston, Mass. Box toe. 1,978,954; Oct. 30.
- Miller, Harrod G., Oceanport, N. J. Changing the wave form of alternating currents. 1,947,484; Feb. 20.
- Miller, Harry J., assignor of one-half to H. A. Zeller, Napa, Calif. Implement for cleaning tubular members. 1,965,128; July 3.
- Miller, Harry W., Lancaster, Pa. Grinding machine. 1,967,964; July 24.
- Miller, Henry, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric flash welding. 1,966,210; July 10.
- Miller, Henry C., deceased, by E. R. Miller and T. F. Morris, jr., executors, Waterford, N. Y., assignors to Singer Manufacturing Company. Buttonhole sewing machines. 1,962,905; June 12.
- Miller, Henry L., St. Louis, Mo. Aquarium. Des. 93 033; Aug. 14.
- Miller, Herbert E., Allentown, Pa. Wire connecting device. 1,946,752; Feb. 13.
- Miller, Herbert E., assignor to Utilities Service Company, Inc., Allentown, Pa. Supporting hanger. 1,967,124; July 17.
- Miller, Hercheal W., Davenport, Iowa, assignor to The Micro Corporation. Slicing machine casing. Des. 91,017; Apr. 17.
- Miller, Hercheal W., Davenport, assignor to The Micro Corporation, Bettendorf, Iowa. Casing for oil burners. Des. 92,974; Aug. 7.
- Miller, Hercheal W., Davenport, assignor to The Micro Corporation, Bettendorf, Iowa. Cigar or cigarette lighter. Des. 93,233; Sept. 4.
- Miller, Herman, et al. (See Quinn, John B., assignor.)
- Miller, Herman C., Waterbury, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Dipped articles and method and apparatus for making the same. 1,952,935; Mar. 27.
- Miller, Herman P., Jr., East Orange, N. J. Control element for capacitive currents. 1,960,415; May 29.
- Miller, Howard L., Philadelphia, Pa. Control system. 1,950,256; Mar. 6.
- Miller, Howard W., Wausau, Wis. Drink mixer. 1,973,091; Sept. 11.
- Miller, L., & Sons, Incorporated. (See Jones, Phillip L., assignor.)
- Miller, Jack. (See Schaljo, F., and Miller.)
- Miller, Jacob C., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Meter. 1,957,661; May 8.
- Miller, James A. (See Stock, J. H., and Miller.)
- Miller, James B., Webster Groves, Mo. Cable connector. 1,981,460; Nov. 20.
- Miller, Jesse B., Toledo, Ohio, assignor to Whitehead & Kales Company, River Rouge, Mich. Transporting vehicles and the like. 1,949,172; Feb. 27.
- Miller, John D., Austin, Tex. Highway guard fence. 1,977,286; Oct. 16.
- Miller, John E., Detroit, Mich. Automatic position indicating system. 1,977,772; Oct. 23.
- Miller, John G., Baltimore, Md. Newspaper vendor. 1,982,999; Dec. 4.
- Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Company, Chicago, Ill. Radio set testing apparatus. 1,948,729; Feb. 27.
- Miller, John H., Oak Park, Ill., assignor, by mesne assignments, to Jewell Electrical Instrument Company. Method and apparatus for testing thermionic tubes. 1,957,074; May 1.
- Miller, John H., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Tube testing apparatus. 1,963,208; June 19.
- Miller, John J. (See Rose, C. S., and Miller.)
- Miller, John L., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. 1,962,665; June 12.
- Miller, John M. (See Hunker, M. L., and Miller.)
- Miller, John M., assignor to The Hagerstown Shoe & Luggage Company, Hagerstown, Md. Shoe. Des. 93,173; Aug. 28.
- Miller, John M., assignor to The Progressive Ring Company, Providence, R. I. Punching device. 1,958,972; May 15.
- Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Ignition interference suppression. 1,971,497; Aug. 28.
- Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Bracelet or similar article of jewelry. Des. 91,450; Jan. 30.
- Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Bracelet or similar article of jewelry. Des. 91,719; Mar. 13.
- Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Bracelet or similar article of jewelry. Des. 94,039; Dec. 11.
- Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Bracelet or similar article of jewelry. Des. 94,040; Dec. 11.
- Miller, John M., and G. F. Fenton, assignors to The Progressive Ring Company, Providence, R. I. Jewelry ornamentation. 1,981,369; Nov. 20.
- Miller, John M., Philadelphia, Pa., and L. A. Gebhard, Washington, D. C. System for the amplification of alternating currents. 1,955,341; Apr. 17.
- Miller, John M., Philadelphia, and S. Tarzian, Bryn Mawr, assignors to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio apparatus. 1,973,293; Sept. 11.
- Miller, John R., assignor to T. R. Miller Mill Company (Incorporated), Brewton, Ala. Box construction. 1,942,970; Jan. 9.
- Miller, Joseph A., Ottumwa, Iowa. Milk bottle dispenser. 1,972,046; Aug. 28.

- Miller, Joseph H., San Diego, Calif. Music leaf-turning machine. 1,944,295; Jan. 23.
- Miller, Joseph R., Framingham, assignor to Frank B. Hopewell, trustee, Newton, Mass. Shuttle box for looms. 1,964,166; June 26.
- Miller, Judge C. (See Jennings, Gregory M., assignor.)
- Miller, Julien C., assignor to Paducah Box and Basket Company, Paducah, Ky. Shipping container. 1,980,283; Nov. 13.
- Miller, Julius C., assignor to General Motors Corporation, Detroit, Mich. Top construction for a vehicle body. 1,981,060; Nov. 20.
- Miller, Julius H., Fallon, Nev. Rotary scraper. 1,985,188; Dec. 18.
- Miller, Kay. (See Lyman, K. E., and Miller.)
- Miller, Kenneth C. (See Little, H. B., and Miller.)
- Miller, Kenneth C., and H. B. Little, assignors to The Baltimore Enamel & Novelty Co., Baltimore, Md. Wall covering. 1,980,347; Nov. 13.
- Miller, Kinney I., Lancaster, Mo. Window screen. 1,959,136; May 15.
- Miller, Kinney I., Lancaster, Mo. Automobile window screen. 1,959,137; May 15.
- Miller, Kinney I., Lancaster, Mo. Adjustable screen for automobiles. 1,962,203; June 12.
- Miller, Leon B., Brooklyn, N. Y. Bushing extractor and inserter. 1,972,455; Sept. 4.
- Miller, Leon H., Greencastle, and F. C. Lane, Bainbridge, Ind. Ring clincher. 1,948,865; Feb. 27.
- Miller, Lewis J., Syracuse, N. Y., assignor of one-third to G. E. Wiley, Fautet. 1,943,276; Jan. 9.
- Miller, Louis A., San Francisco, Calif. Combined label and booklet. 1,974,401; Sept. 18.
- Miller, Louis J., Cincinnati, Ohio, assignor to United Autographic Register Co., Chicago, Ill. Shiftable carbon roll. 1,949,173; Feb. 27.
- Miller, Louis J., Cincinnati, Ohio, assignor to United Autographic Register Co., Chicago, Ill. Duplicating machine. 1,965,295; July 3.
- Miller, Louis J., assignor to United Autographic Register Co., Chicago, Ill. Duplicating machine. 1,974,874; Sept. 25.
- Miller, Martin. (See Eibner, A., Herrmann, Haehnel, and Miller.)
- Miller, Martin J., Bellefonte, Pa. Valve bag filler. 1,972,026; Aug. 28.
- Miller, Max B., & Co. Inc. (See Carpenter, Irving C., assignor.)
- Miller, Max C., Cumberland, R. I. Heel fabric and knitting the same. 1,963,240; June 19.
- Miller, Max H., assignor of one-third to F. W. Kimmel and one-third to W. D. Perry, Lincoln, Nebr. Coupon book. 1,972,665; Sept. 4.
- Miller, Max O., assignor of one-twentieth to R. L. Heath, Los Angeles, Calif. Natural color photoplate. 1,965,852; July 10.
- Miller, Nils, Atlanta, Ga., assignor, by mesne assignments, to S K F Industries, Inc., Philadelphia, Pa. Fruit polishing machine. 1,964,766; July 3.
- Miller, O. A., Treeling Machine Company. (See Loney, John W., assignor.)
- Miller, Osborn M., New York, N. Y. Stereoscopic plotting of contour maps. 1,985,260; Dec. 25.
- Miller, Oscar, assignor of forty per cent to F. Cline, Denver, Colo. Automatic fare box. 1,941,707; Jan. 2.
- Miller, Oscar O. (See Cook, W. O., Miller, and Whetzel.)
- Miller, Paul M., Bloomfield, N. J. Valve spring compressor. 1,974,363; Sept. 18.
- Miller, Pearl N., Detroit, Mich., and G. Trautvetter, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Upholstery and securing means therefor. 1,960,949; May 29.
- Miller, Percy C. (See Miller, Albert T. and P. C.)
- Miller, Percy L., Wakeham, Quebec, Canada. Animal trap. 1,982,393; Nov. 27.
- Miller, Philip M., Cleveland, Ohio. Cast wheel. 1,964,129; June 26.
- Miller, Philip M., Cleveland, Ohio. Vehicle wheel. 1,966,827; July 17.
- Miller, Philip M., Cleveland, Ohio. Motor wheel. 1,966,828; July 17.
- Miller, Philip M., Cleveland, Ohio. Vehicle wheel. 1,978,026; Oct. 23.
- Miller, Philip M., Cleveland, Ohio. Vehicle wheel. 1,985,351; Dec. 25.
- Miller, Philip M., Cleveland, Ohio, assignor to Miller Devices Inc., New York, N. Y. Cast spider construction. 1,946,172; Feb. 6.
- Miller, Philip M., Youngstown, Ohio, assignor to Miller Devices Inc., New York, N. Y. Motor vehicle wheel construction. 1,946,171; Feb. 6.
- Miller, Philip M., Youngstown, Ohio, assignor to Miller Devices Inc., New York, N. Y. Motor vehicle wheel construction. 1,964,128; June 26.
- Miller, Philip M., Youngstown, Ohio, assignor to Miller Devices Inc., New York, N. Y. Motor truck wheel. 1,966,823; July 17.
- Miller, Philip M., Youngstown, Ohio, assignor to Miller Devices Inc., New York, N. Y. Automobile wheel. 1,966,824; July 17.
- Miller, Philip M., Youngstown, Ohio, assignor to Miller Devices Inc., New York, N. Y. Motor wheel construction. 1,966,825; July 17.
- Miller, Philip M., Youngstown, Ohio, assignor to Miller Devices Inc., New York, N. Y. Vehicle artillery wheel. 1,966,826; July 17.
- Miller, Philip M. and R. B., Detroit, Mich. Vehicle wheel. 1,983,867; Dec. 11.
- Miller, Ralph, Birmingham, assignor of one-half to Ernest Penn, London, England. Milling and like cutting tool. 1,964,130; June 26.
- Miller, Ralph, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Governing device for internal combustion engines. 1,970,614; Aug. 21.
- Miller, Ralph K., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,950,510; Mar. 13.
- Miller, Ralph W., Glendale, Calif. Fishing reel. 1,967,678; July 24.
- Miller, Ray W. (See Anderson, F. H., and Miller.)
- Miller, Raymond E., Wilkesburg, and T. W. Masterman, East McKeesport, assignors to The Westinghouse Air Brake Company, Wilkesburg, Pa. Remote controlled electro-pneumatic brake. 1,972,747; Sept. 4.
- Miller, Raymond V., Washington, D. C. Abrading device. 1,961,891; June 5.
- Miller, Richard B. (See Miller, Philip M. and R. B.)
- Miller, Richard B., Detroit, Mich. Vehicle wheel. 1,951,623; Mar. 20.
- Miller, Richard B., Cleveland, Ohio. Automobile wheel. 1,985,681; Dec. 25.
- Miller, Richard B., Cleveland, Ohio. Motor vehicle wheel. 1,985,682; Dec. 25.
- Miller, Robert A., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass polishing block. 1,946,355; Feb. 6.
- Miller, Robert A., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for grading finely divided material. 1,959,212; May 15.
- Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 1,952,602; Mar. 27.
- Miller, Robert E., Altoona, Pa. Car window. 1,965,902; July 10.
- Miller, Robert J., Milwaukee, Wis. Flying equipment. 1,981,461; Nov. 20.
- Miller, Robert N., Altoona, Pa. Railway equipment. 1,965,903; July 10.
- Miller, Robert W., New York, N. Y. Automatic volume control system. 1,967,125; July 17.
- Miller, Rolla W. (See Garner, J. B., Miller, and Leyden.)
- Miller, Roman J., Hollywood, Calif. Combination rural mail box and support therefor. Des. 91,836; Mar. 27.
- Miller, Romie H., St. Louis, Mo. Toothbrush. 1,981,657; Nov. 20.
- Miller, Roy G., Farmingdale, assignor to Curtiss Aeroplane & Motor Company, Inc., Buffalo, N. Y. Airplane wing spar. 1,942,391; Jan. 2.
- Miller, Roy H., Avant, assignor to Phillips Petroleum Company, Bartlesville, Okla. Stuffing box. 1,959,984; May 22.
- Miller, Roy M. (See Clemmensen, Erik, and Miller.)
- Miller, Rudolph. (See Lamlein, E. C., and Miller.)
- Miller, Russell H. (See Miller, Alvin L. and R. H.)
- Miller, Samuel C., Louisville, Ky. Cigarette package. 1,943,924; Jan. 16.
- Miller, Samuel C., Louisville, Ky. Air conditioner. 1,944,992; Jan. 30.
- Miller, Samuel C., assignor to Jones-Miller-Veeneman Corporation, Louisville, Ky. Cigarette machine. 1,952,559; Mar. 27.
- Miller, Samuel C., assignor, by mesne assignments, to The Frankfort Distillery, Louisville, Ky. Aging and coloring whisky. 1,981,873; Nov. 27.
- Miller, Samuel E., Aurora, Ill., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriter ribbon. 1,962,082; June 5.
- Miller, Samuel E., Aurora, Ill., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Type bar cushion for typewriting machine. 1,969,411; Aug. 7.
- Miller, Samuel G., Brooklyn, N. Y. Automobile hat rack. 1,978,216; Oct. 23.
- Miller, Samuel I., and M. Boriski, Houston, Tex. Garment. 1,946,173; Feb. 6.
- Miller, Stephen A., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Belt conveyor. 1,977,886; Oct. 23.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distilling tar. 1,942,371; Jan. 2.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar or pitch. 1,942,372; Jan. 2.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Preparing creosoting compositions. 1,942,373; Jan. 2.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distilling tar and recovering oils with apparatus therefor. 1,942,374; Jan. 2.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Coal and tar distillation. 1,942,375; Jan. 2.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Process and apparatus for cooling and granulating resin. 1,942,764; Jan. 9.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar, etc. 1,944,129; Jan. 16.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Operation of the by-product recovery system of a coal distillation plant. 1,944,130; Jan. 16.

- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Recovery of tar acids. 1,944,181; Jan. 16.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Treatment of coal distillation gases. 1,944,523; Jan. 23.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Electrical precipitation. 1,945,061; Jan. 30.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar or pitch and apparatus therefor. 1,947,485; Feb. 20.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar or pitch to coke and apparatus therefor. 1,952,020; Mar. 20.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Converting tar or pitch to coke. 1,958,277; May 8.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Coking of tar or pitch. 1,958,278; May 8.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,958,440; May 15.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,958,585; May 15.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Dissolving and apparatus therefor. 1,958,586; May 15.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Production of granulated pitch. 1,962,515; June 12.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Fuel composition and producing the same. 1,963,589; June 19.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Low temperature carbonization of coal. 1,969,472; Aug. 7.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distilling tar and apparatus therefor. 1,971,690; Aug. 28.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Vacuum distillation. 1,972,157; Sept. 4.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,976,243; Oct. 9.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,976,356; Oct. 9.
- Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Process and apparatus for recovering and processing by-products at a coal distillation plant. 1,979,046; Oct. 30.
- Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Dehydration of tar, etc. 1,958,383; May 15.
- Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,958,584; May 15.
- Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Operating retort gas plants. 1,959,289; May 15.
- Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Distillation of tar. 1,959,290; May 15.
- Miller, Stuart P., Englewood, N. J., and M. L. Hamlin, Lynbrook, assignors to The Barrett Company, New York, N. Y. Distillation of coke oven tar. 1,957,468; May 8.
- Miller, Stuart P., Englewood, N. J., and M. L. Hamlin, Lynbrook, assignors to The Barrett Company, New York, N. Y. Melting pitch and producing pitch products. 1,957,469; May 8.
- Miller, T. R., Mill Company, (Incorporated). (See Miller, John R., assignor.)
- Miller, Theodore A., Akron, and G. T. Williams, Silver Lake Village, Ohio. Casting. 1,956,907; May 1.
- Miller, Thomas H. (See Marston, T., and Miller.)
- Miller, Thomas W., Ashland, assignor to The Worthington Ball Company, Elyria, Ohio. Golf ball. 1,945,062; Jan. 30.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Scourer and making the same. 1,966,101; July 10.
- Miller, Tobias, New York, N. Y. Bottle. Des. 92,262; May 15.
- Miller, Tony S., and Q. J. Leong, Isleton, assignors to Miller and Chong, Isleton, Calif. Rotary earth-working element. Re19,242; July 17.
- Miller, Tony S., and L. L., J. L., and S. L. Chong, Isleton, Calif. Sprocket and chain construction. 1,970,763; Aug. 21.
- Miller, Vere C. (See Miller, Edward E. and V. C., and Powell.)
- Miller, Virdis, Schenectady, N. Y., assignor to General Electric Company. Arc welding. 1,978,316; Oct. 23.
- Miller, Virdis, Schenectady, N. Y., assignor to General Electric Company. Arc welding. 1,978,317; Oct. 23.
- Miller, Virdis, Schenectady, N. Y., assignor to General Electric Company. Arc welding flux. 1,978,318; Oct. 23.
- Miller, Virgil H., Hamlin, Kans. Electric switch. 1,950,563; Mar. 13.
- Miller, Wallace. (See Craft, Clarence H., assignor.)
- Miller, Walter C., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. Des. 91,436; Jan. 30.
- Miller, Walter C., South Bend, Ind., assignor to Johnson Motor Company, Waukegan, Ill. Outboard motor. Des. 93,121; Aug. 21.
- Miller, Walter H., South Orange, assignor to T. A. Edison, Incorporated, West Orange, N. J. Sound record tablet. 1,976,795; Oct. 16.
- Miller, Walter K., assignor to Shellmar Products Company, Chicago, Ill. Machine for wrapping packages. 1,961,640; June 5.
- Miller, Wilber B., Flushing, N. Y., assignor to Oxweld Acetylene Company. Arc welding electrode. 1,965,555; July 3.
- Miller, William, New York, N. Y. Lifting device. 1,982,225; Nov. 27.
- Miller, William, Kansas City, Kans. Apparatus for defatting entrails. 1,984,227; Dec. 11.
- Miller, William B. (See Ellis, G. H., and Miller.)
- Miller, William B., Lakewood, and F. Eroskey, Cleveland, Ohio. Building construction. 1,959,836; May 22.
- Miller, William B., Lakewood, and F. Eroskey, Lyndhurst, Ohio. Truss type joist. 1,983,632; Dec. 11.
- Miller, William C., Houston, Tex. Crate. 1,960,087; May 22.
- Miller, William C., assignor to The Diebold Safe & Lock Company, Canton, Ohio. Money chest. 1,965,296; July 3.
- Miller, William C., Canton, Ohio, assignor to Diebold Safe & Lock Company. Safe device. 1,969,412; Aug. 7.
- Miller, William F. (See Bishop, E., and Miller.)
- Miller, William J., Swissvale, Pa. Ware transferring apparatus. 1,943,483; Jan. 16.
- Miller, William J., Beaumont, Tex. Line tightener. 1,982,444; Nov. 27.
- Miller, William J., Swissvale, and E. A. Lawrence, Bellevue, Pa., assignors to The Hartford-Empire Company, Hartford, Conn. Process and apparatus for feeding glass. 1,942,035; Jan. 2.
- Miller, William L., Winona, Minn. Apparatus for detecting in and eliminating from matter foreign substances of high magnetic permeability. 1,973,414; Sept. 11.
- Miller, William W., Berwyn, assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Advertising device. 1,981,923; Nov. 27.
- Millermaster, Ralph A., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch of the enclosed type. 1,945,819; Feb. 6.
- Millermaster, Ralph A., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,970,244; Aug. 14.
- Miller, Emil H., Waukegan, Ill. Golf tee. Des. 92,918; July 31.
- Millett, Frank A., and S. A. Pace, Tacoma, Wash. Restrain device. 1,969,314; Aug. 7.
- Millican, Carl F., Indianapolis, Ind. Foot-power propelling and controlling apparatus for boats. 1,961,506; June 5.
- Millican, Christine. (See Millican, Word R., assignor.)
- Millican, Word R., Parsons, Kans., assignor of one-half to C. Millican, Dallas, Tex. Rotary clutch. 1,955,200; Apr. 17.
- Millice, Paul S., Hamilton, Ohio assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Temporary safe. 1,959,291; May 15.
- Millice, Paul S., Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Temporary safe. 1,985,869; Dec. 25.
- Millie Patent Holding Co. (See Allatt, Mervin, assignor.)
- Millie Patent Holding Co. (See Hirschhorn, L., and Irmischer, assignors.)
- Millie Patent Holding Co. (See Irmischer, Hans, assignor.)
- Millie Patent Holding Co. Inc. (See Hirschhorn, Benjamin, assignor.)
- Millie Patent Holding Co., Inc. (See Hirschhorn, Louis, assignor.)
- Millie Patent Holding Co. Inc. (See Irmischer, Hans, assignor.)
- Milligan, Ellen V., Philadelphia, Pa. Novelty stocking. Des. 92,188; May 8.
- Milligan, John B., Columbus, Ohio, assignor to The Columbus Auto Parts Company. Joint construction. 1,951,197; Mar. 13.
- Milliken, Mahlon G., Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del. Digesting nitrocellulose. 1,957,180; May 1.
- Milling, Martin A., Indianapolis, Ind. Bell and spigot pipe connection. 1,958,063; May 8.
- Milling, Harry E., and T. T. Pope, assignors of one-third to F. G. Dorsey, Houston, Tex. Safety attachment for printing presses. 1,951,433; Mar. 20.
- Millington, Felix B., Maracaibo, Venezuela. Dirigible headlight. 1,975,117; Oct. 2.
- Millington, Thomas E., Pasadena, Calif. Adjustable lens holder. 1,944,567; Jan. 23.
- Millington, William, assignor to Baker Furniture Factories, Inc., Grand Rapids, Mich. Chest of drawers. Des. 93,281; Sept. 11.
- Millis, Walter T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cathode. 1,966,211; July 10.
- Millner, Theodore, Ujpest by Budapest, Hungary, assignor, by mesne assignments, to General Electric Company. Electric incandescent lamp. 1,944,825; Jan. 23.

- Mills Alloys, Inc. (See Russell, C. A., and Walker, assignors.)
- Mills Alloys, Inc. (See Walker, Carroll M., assignor.)
- Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Automatic phonograph. 1,968,498; July 31.
- Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Control mechanism for coin-operated phonograph-radio combination. 1,968,499; July 31.
- Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Ball agitating device for pin ball games. 1,981,462; Nov. 20.
- Mills, Bertram M., assignor to The Standard Engineering Works, Pawtucket, R. I. Humidity regulator. 1,966,931; July 17.
- Mills Company, The. (See Koenig, Elmer E., assignor.)
- Mills Company, The. (See Koenig, E. E., and Mills, assignors.)
- Mills Company, The. (See Koenig, E. E., and Winslow, assignors.)
- Mills Company, The. (See Winslow, Edward N., assignor.)
- Mills, Edward, assignor to Whitin Machine Works, Whitinsville, Mass. Continuous process picking machine. 1,965,150; July 3.
- Mills, Ellsworth L., Highland Park, Ill. Multistage regulator. 1,957,972; May 8.
- Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Commodity vending machine. 1,968,500; July 31.
- Mills, George I. (See H'Doubler, C. W., and Mills.)
- Mills, George M. (See Koenig, E. E., and Mills.)
- Mills, George W., Jr., Cincinnati, Ohio, assignor to Construction Materials Patents, Inc. Roofing. 1,947,134; Feb. 13.
- Mills, Goldie, Lincoln, Nebr. Hoop. 1,953,426; Apr. 3.
- Mills, Harold O., Jackson, Mich. Piston skirt expander. 1,984,195; Dec. 11.
- Mills, John, New York, N. Y., assignor to The Food Processing Company, Philadelphia, Pa. Container valve. 1,963,797; June 19.
- Mills, John H., Mount Vernon, N. Y. Boiler or heater. 1,967,038; July 17.
- Mills, Lawrence C., Chicago, Ill. Pneumatic tire. 1,955,711; Apr. 17.
- Mills, Lindley E. (See Britton, E. C., and Mills.)
- Mills, Lindley E. (See Britton, E. C., and Mills, assignors.)
- Mills, Lindley E. (See Grether, E. F., and Mills.)
- Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Separation of ortho- and parahalobenzoic acids. 1,942,826; Jan. 9.
- Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Preparing anhydrous alkali metal phenoxides. 1,955,080; Apr. 17.
- Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Nicotine salts of 2,4-dinitrophenol and substituted derivatives thereof. 1,963,471; June 19.
- Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Preparation of acid halides. 1,965,556; July 3.
- Mills, Lindley E. and B. L. Fayerweather, assignors to The Dow Chemical Company, Midland, Mich. Tertiary alkyl substituted ortho-dihydroxy benzenes. 1,942,827; Jan. 9.
- Mills, Melvin A., Lawrence, Mass. Pulp beating machine. 1,955,758; Apr. 24.
- Mills, Melvin A., Lawrence, Mass., assignor to Elizabeth M. O'Neil, Watertown, N. Y. Beater roll setting and adjustment. 1,962,402; June 12.
- Mills, Melvin A., Lawrence, Mass., assignor to E. M. O'Neil, Watertown, N. Y. Pulp-beating and washing engine. 1,969,420; Aug. 7.
- Mills Novelty Company. (See Mills, Bert E., assignor.)
- Mills Novelty Company. (See Mills, Fred L., assignor.)
- Mills Novelty Company. (See Radke, Bruno, assignor.)
- Mills Novelty Company. (See Smith, James T., assignor.)
- Mills, Orrie J., Hudson Falls, and W. G. Webb, Glens Falls, N. Y. Screen. 1,942,303; Jan. 2.
- Mills, Percy E. (See Templeton, B. O., and Mills.)
- Mills, Percy E., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin receptacle cover. 1,964,528; June 26.
- Mills, Ray F., Waynesville, Ohio. Carburetor. 1,961,775; June 5.
- Mills, Robert K., Sherwood, assignor to Hosiery Developments Limited, Nottingham, England. Circular knitting machine. 1,951,102; Mar. 13.
- Mills, Robert K., Sherwood, assignor to Hosiery Developments Limited, Nottingham, England. Machine for the production of knitted fabrics. 1,951,103; Mar. 13.
- Mills, Robert K., Sherwood, assignor to Hosiery Developments Limited, Nottingham, England. Machine for the production of knitted fabrics. 1,951,104; Mar. 13.
- Mills, Robert K., Sherwood, assignor to Hosiery Developments Limited, Nottingham, England. Flat-bar knitting machine and the production of fabrics thereon. 1,955,970; Apr. 24.
- Mills, Robert K., Sherwood, assignor to Hosiery Developments Limited, Nottingham, England. Knitted fabric. 1,960,161; May 22.
- Mills, Robert K., Sherwood, assignor to Hosiery Developments Limited, Nottingham, England. Knitting machine. 1,977,522; Oct. 16.
- Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Applying adhesive tape to spools. 1,950,738; Mar. 13.
- Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Container. 1,959,874; May 22.
- Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Spool for adhesive tape. 1,973,771; Sept. 18.
- Millsbaugh, Stanley H., assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Electric lamp. 1,965,664; July 10.
- Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Glue applying apparatus. 1,957,470; May 8.
- Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Glue applying apparatus. 1,960,228; May 22.
- Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Carton filling machine. 1,979,207; Oct. 30.
- Milmore, Thomas A., Brooklyn, N. Y. Rapid revolver loader. 1,969,817; Aug. 14.
- Milprint Products Corporation. (See Heller, H., sr., assignor.)
- Miltenberger, Eugene F., Red Bank, N. J. Unloading mechanism for belt conveyers. 1,982,824; Dec. 4.
- Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
- Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
- Milwaukee Valve Company. (See Fina, Valentine, assignor.)
- Milne, George W. (See Gantz, Harry C., assignor.)
- Milne, Samuel, Edinburgh, Scotland. Beater roll. 1,947,440; Feb. 13.
- Milne, Samuel, Edinburgh, Scotland. Paper pulp refining engine. 1,951,519; Mar. 20.
- Milne, Samuel, Edinburgh, Scotland. Paper making machine. 1,970,180; Aug. 14.
- Milner, Bert B., Chicago, Ill. Steam engine regulating means. 1,961,673; June 5.
- Milner, Edwin E., assignor to Ball Brothers Company, Muncie, Ind. Leer feeder. Re19,253; July 24.
- Milner, Edwin E., assignor to Ball Brothers Company, Muncie, Ind. Leer feeder. 1,952,680; Mar. 27.
- Milner, Emil, and F. Walter, assignors to Continental Mills, Inc., Philadelphia, Pa. Apparatus for the production of horizontal stripes on the circular type knitting frame. 1,955,594; Apr. 17.
- Milner, Henry K., Birmingham, Ala. Loading and topping machine for cotton and the like. 1,956,650; May 1.
- Milner, Wilfred R., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Wire wheel hub cover. 1,948,237; Feb. 20.
- Milner, William B., Dunkirk, N. Y. Valve. 1,976,796; Oct. 16.
- Milnes, Fred A. (See McChesney V. A., and Milnes.)
- Milnor, Joseph W. (See Cannon, W. D., and Milnor.)
- Milnor, Joseph W. (See Rovers, L. H., Estes, and Milnor.)
- Milone, Samuel, Camden, N. J., assignor of forty-nine one hundredths to C. W. Miller, A. B. Miller, and A. Cronin, Stonehurst, trustees for Duall Laboratories, Philadelphia, Pa., seventeen one hundredths to P. E. Hart, Camden, N. J., as trustee for G. M. Hart, a minor, and two one hundredths to F. R. Cawl, Bryn Mawr, Pa. Automobile appliance. 1,942,115; Jan. 2.
- Milosevich, Albert B., Des Moines, Iowa. Bread twister. 1,974,503; Sept. 25.
- Milotta, Karl, Berlin, Germany. Hydraulic driving device for clamping chucks and the like. 1,968,700; July 31.
- Milprint Products Company. (See Heller, Max T., assignor.)
- Milprint Products Corporation. (See Giese, Charles G., assignor.)
- Milprint Products Corporation. (See Pacini, August J., assignor.)
- Milprint Products Corporation. (See Redd, William R., assignor.)
- Milwaukee Electric Railway and Light Company, The. (See Dornbrook, F. L., and Drewry, assignors.)
- Milwaukee Gas Specialty Company. (See Gauger, Frank A., assignor.)
- Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
- Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
- Milwaukee Gas Specialty Company. (See Sackett, Warren W., assignor.)
- Milwaukee Gas Specialty Company. (See Steffen, Elmer G., assignor.)
- Milwaukee Gas Specialty Company. (See Toelle, Herbert E., assignor.)
- Milwaukee Gas Specialty Company. (See Wantz, Clarence, assignor.)
- Milwaukee Reliance Boiler Works. (See Sharp, Richard A., assignor.)
- Milwaukee Valve Company. (See Fina, Valentine, assignor.)
- Milwaukee Valve Company. (See Wheeler, S. L., and Seifert, assignors.)

- Minami Manshu Tetsudo Kabushiki Kaisha. (See Matsura, Ryosaku, assignor.)
- Minard, Wheeler, Brockton, Mass., assignor to United Shoe Machinery Corporation. Paterson, N. J. Fastening-inserting machine. 1,979,395; Nov. 6.
- Minchakievich, Peter B., New York, N. Y. Window construction. 1,983,299; Dec. 4.
- Miner, Anson W., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Radio tube connector. 1,965,964; July 10.
- Miner, Carl S., Glencoe, assignor, by mesne assignments, to National Vermiculite Products Corporation, Chicago, Ill. Production of expanded vermiculite. 1,972,390; Sept. 4.
- Miner, Carl S., Glencoe, and R. Ericson, assignors, by mesne assignments, to National Vermiculite Products Corporation, Chicago, Ill. Expanded vermiculite manufacture. 1,963,276; June 19.
- Miner, Ernst L., and C. M. Leatherman, assignors to Coldwater Instrument Works, Coldwater, Mich. Sectional range pole. 1,976,264; Oct. 9.
- Miner, George A., Medford, and A. A. Lawson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon the soles of shoes. 1,948,531; Feb. 27.
- Miner, George H., Los Angeles, Calif. Game apparatus. Des. 93,566; Oct. 9.
- Miner, James H., Meridian, Miss. Cultivating apparatus. 1,976,184; Oct. 9.
- Miner, Nelson A., San Antonio, Tex. Brake equipment for automotive vehicles. 1,968,701; July 31.
- Miner, Robert G., jr., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Automatic change-over valve. 1,962,027; June 5.
- Miner, W. H., Inc. (See Dath, Charles E., assignor.)
- Miner, W. H., Inc. (See Dentler, Arnold E., assignor.)
- Miner, W. H., Inc. (See Dwyer, William M., assignor.)
- Miner, W. H., Inc. (See Fuchs, Henry, assignor.)
- Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
- Miner, W. H., Inc. (See Johnson, Bradley S., assignor.)
- Miner, W. H., Inc. (See Lehman, Edward H., assignor.)
- Miner, W. H., Inc. (See Lindeman, James E., assignor.)
- Miner, W. H., Inc. (See Link, John H., assignor.)
- Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
- Miner, W. H., Inc., et al. (See O'Connor, John F., assignor.)
- Miner, W. H., Inc. (See Olander, Roland J., assignor.)
- Miner, W. H., Inc. (See Robertson, William E., assignor.)
- Miner, W. H., Inc., et al. (See Sproul, Donald F., assignor.)
- Miner, William D. (See Scofield, T. J., and Miner.)
- Mineralite Corporation. (See Kitsee, Isidor, assignor.)
- Minerals Separation North American Corporation. (See Chapman, G. A., and Littleford, assignors.)
- Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
- Minerals Separation North American Corporation. (See Trotter, W., and Wilkinson, assignors.)
- Minerva Wax Paper Co. (See Gluck, Alva F., assignor.)
- Minerva Wax Paper Company. (See Gluck, F. C., and McCaskey, assignors.)
- Mines Dominales de Potasse d'Alsace. (See Forrer, Robert C., assignor.)
- Minett, Wilfrid T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-supplying apparatus. 1,953,250; Apr. 3.
- Mingard, Aurèle L., Lausanne, Switzerland. Manufacturing hard objects in silicized carbon or other similar substances. 1,982,012; Nov. 27.
- Minger, Forest R. (See Barstow, E. O., Heath, and Minger.)
- Mining Engineering Company. (See Nyborg, Tage G., assignor.)
- Mining Engineering Company Limited, The. (See Moore, Matthew S., assignor.)
- Mining Safety Device Company, The. (See Merritt, G. W., and Bower, assignors.)
- Minister, Harry T., assignor, by mesne assignments, to The Columbus Auto Parts Company, Columbus, Ohio. Blade sharpener. 1,960,789; May 29.
- Mink, Charles F., Larchmont, N. Y. Water closet. Des. 91,467; Feb. 6.
- Minkler, William A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,985,051; Dec. 18.
- Minneapolis Air Conditioner Company. (See Roberts, Edward H., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Bogle, John C., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Bower, George D., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Bower, G. D., and Gille, assignors.)
- Minneapolis-Honeywell Regulator Company. (See Cramblett, Paul K., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Denison, Frederick S., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Denison, F. S., and Taylor, assignors.)
- Minneapolis-Honeywell Regulator Co. (See Dever, Henry F., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Erickson, Arthur F., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Fillo, Francis, assignor.)
- Minneapolis-Honeywell Regulator Company. (See Fisher, George H., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Hotchkiss, Clifford, assignor.)
- Minneapolis-Honeywell Regulator Company. (See Ingersoll, Ward H., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Jones, David J., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Kingsland, George D., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Kreichbaum, John P., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Matern, Raymond P., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Miller, Ernest M., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Pauling, John W., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Phelan, L. A. M., and Hotchkiss, assignors.)
- Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)
- Minneapolis-Moline Power Implement Company. (See Ronning, Martin, assignor.)
- Minnecci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Electrical control circuit. 1,970,389; Aug. 14.
- Minnesota Metallurgical Co. (See Popham, William J., assignor.)
- Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
- Minnesota Mining & Manufacturing Company. (See McCarthy, Charles D., assignor.)
- Minnesota Mining & Manufacturing Company. (See McCarthy, C. D., and Drew, assignors.)
- Minnesota Valley Canning Company. (See Low, Charles L., assignor.)
- Minnice, Hector M., Eureka, Calif., assignor to Reynolds Metals Company, New York, N. Y. Making an inflammable composition. 1,947,790; Feb. 20.
- Minnich, Joe, Bryson, Tex. Pumping jack. 1,964,670; June 26.
- Minnich Machine Works. (See Minnich, Simon B., assignor.)
- Minnich, Simon B., assignor to Minnich Machine Works, Landisville, Pa. Baling press. 1,975,013; Sept. 25.
- Minnis, Philip A., assignor to Food Machinery Corporation, San Jose, Calif. Fruit drier. 1,982,116; Nov. 27.
- Minnium, Byron B. (See Mason, C. T., and Minnium.)
- Minor, Henry H., Batavia, N. Y. Corrective shoe. 1,959,247; May 15.
- Minor, Henry R., Oak Park, Ill., assignor to Walter Kidde & Company, Inc. Valve. Re19,087; Feb. 20.
- Minor, Henry R., Oak Park, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Manufacturing sponge rubber. 1,964,739; July 3.
- Minor, Henry R., Oak Park, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Heat insulating material and manufacturing same. 1,964,740; July 3.
- Minorsky, Nicolai, Swarthmore, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind. Induction compass. Re19,038; Jan. 2.
- Minorsky, Nicolai, Swarthmore, Pa., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Navigational instrument. 1,950,946; Mar. 13.
- Minshall, Robert J. (See Monteith, C. N., and Minshall.)
- Minshall, Robert J., et al. (See Monteith, C. N., Minshall, and Kylstra.)
- Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Airplane structural elements. 1,963,416; June 19.
- Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Aileron control. 1,967,777; July 24.
- Minshall, Robert J., and F. R. Canney, assignors to Boeing Airplane Company, Seattle, Wash. Double deck transport airplane. Des. 92,189; May 8.
- Minshall, Robert J., and L. L. Pierce, assignors to Boeing Airplane Company, Seattle, Wash. Shock absorbing landing gear. 1,955,142; Apr. 17.
- Minsk, Louis M. (See Staud, C. J., and Minsk.)
- Minster Machine Company, The. (See Wissman, Reuben E., assignor.)
- Minter, Clarke C., Fishkill, N. Y. Internal combustion engine. 1,952,881; Mar. 27.
- Minter, Clarke C., East Orange, N. J. Apparatus for inhibiting the oxidation and dilution of crankcase oil. 1,973,384; Sept. 11.
- Minton, Paul H., Chatham, N. J. Propelling mechanism for tube forming machines. 1,941,993; Jan. 2.
- Minton, Paul H., Chatham, N. J. Absorbent filter cartridge for smoking appliances. 1,967,585; July 24.
- Minton, Paul H., Chatham, N. J. Absorbent filter for smoking appliances. 1,967,586; July 24.
- Miöen, Ole, Appelvik, Sweden. Horseshoe with exchangeable calks. 1,973,495; Sept. 11.
- Miotke, Joseph, Milwaukee, Wis. Forming means. 1,947,611; Feb. 20.

- Miquelon, Edward Z., Hugo, assignor of eleven-twelfths to A. G. W. Nelson, Scandia, and one-twelfth to J. Roselle, Marine on St. Croix, Minn. Wrench. 1,954,141; Apr. 10.
- Miquelon, Pantaleon E., Dearborn, Mich., assignor to Universal Products Co., Boot. 1,982,445; Nov. 27.
- Mirabella, Benedict P., Brooklyn, N. Y., assignor of one-half to Columbia Cheese Company, Inc., Newark, N. J. Apparatus for making and filling containers. 1,958,762; May 15.
- Mir-A-Col Incorporated. (See Jirousek, Joseph F., assignor.)
- Mirau, Hans, Radebeul, assignor to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Manufacture of aromatic sulphodihalogenamides. 1,944,568; Jan. 23.
- Mirfield, George E., and C. Firth, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Resistance welding machine. 1,954,679; Apr. 10.
- Mirick, Carlos B., assignor to National Electrical Supply Company, Washington, D. C. Mechanism for radio operated repeat motion. 1,941,615; Jan. 2.
- Mirick, Carlos B., Washington, D. C., assignor to National Electric Supply Company, New York, N. Y. Visual indicating radiocompass. 1,948,329; Jan. 16.
- Mirick, Carlos B., Washington, D. C. Interference prevention for radio operated relays. 1,984,379; Dec. 18.
- Mirkil, I., Hazleton, executor et al. (See Dock, Herman.)
- Mirmann, Georgette, Joinville le Pont, France. Manicure set. 1,960,119; May 22.
- Misamore, Edwin O. (See Brautigam, E. L., De Walt, and Misamore.)
- Mischke, Karl, Zurich, Switzerland, assignor to Dürkopp-Werke A.-G., Bielefeld, Germany. Stretching and cutting device on machines for pulling out threads. 1,979,396; Nov. 6.
- Mish, Frank C., Greenville, Va. Cutter for mowing machines. 1,970,668; Aug. 21.
- Mishawaka Rubber and Woolen Manufacturing Company. (See Futter, C. J., and Blair, assignors.)
- Mishawaka Rubber and Woolen Manufacturing Company. (See Taber, John E., assignor.)
- Mishelevich, Benjamin, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 1,985,577; Dec. 25.
- Mishey, Blake L., Cleveland, Ohio. Card holder. 1,966,019; July 10.
- Mishler, Ernest W. (See Neale, J. E., and Mishler.)
- Miskend, Herbert L., New York, N. Y. Garment and making the same. 1,977,802; Oct. 23.
- Misner, Edgar D., assignor to Steel Materials Company, Detroit, Mich. Washboard. 1,966,512; July 17.
- Misonne, Léonard, Gilly, Belgium. Photographic apparatus. 1,979,297; Nov. 6.
- Mississippi Glass Company. (See Aurien, George, assignor.)
- Mississippi Glass Company. (See Franzen, Nicklas, assignor.)
- Mississippi Glass Company. (See Kingsley, Charles B., assignor.)
- Mississippi Glass Company. (See Paxton, Elisha W., assignor.)
- Mississippi Glass Company. (See Paxton, E. W., and Schmid, assignors.)
- Mississippi Valley Trust Company. (See Shelton, William G.)
- Misslin, Emil E., Basel, and R. von Capeller, Binningen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,948,224; Feb. 20.
- Mistelski, Theodor, Alliance, Ohio. Wire pushing and pulling tool. 1,959,490; May 22.
- Mitchel, Edward W., Detroit, Mich. Automatic valve timing device. 1,957,181; May 1.
- Mitchel, Edward W., Detroit, Mich. Spark plug. 1,972,351; Sept. 4.
- Mitchell, Allen K., Jr., Munhall, Pa. Curtain stretcher. 1,941,810; Jan. 2.
- Mitchell, Allister S., Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich. Upholstery making apparatus. 1,963,710; June 19.
- Mitchell, Allister S., Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich. Upholstery-making machine and process. 1,971,115; Aug. 21.
- Mitchell, August, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick. 1,953,251; Apr. 3.
- Mitchell, August, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick. 1,970,615; Aug. 21.
- Mitchell, August, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick holder. 1,977,733; Oct. 23.
- Mitchell, August, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Container. 1,985,615; Dec. 25.
- Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
- Mitchell Camera Corporation. (See Mitchell, G. A., and Lindgren, assignors.)
- Mitchell, Charles D. (See Parkes, D. W., and Mitchell.)
- Mitchell, Charles M., et al. (See Beck, William M., assignor.)
- Mitchell, Clyde D., St. Louis, Mo. Gaseous electric sign. 1,956,725; May 1.
- Mitchell, Courtney N., Cleveland, Ohio. Hydraulic shock absorber. 1,942,658; Jan. 9.
- Mitchell, Courtney N., Cleveland Heights, assignor to The J. & M. Machine Company, Cleveland, Ohio. Steering wheel. 1,943,545; Jan. 16.
- Mitchell, Courtney N., Cleveland Heights, assignor to The J. & M. Machine Company, Cleveland, Ohio. Steering wheel structure. 1,959,683; May 22.
- Mitchell, David D., Portsmouth, Ohio. Dispensing carton for packages of shoe laces. 1,965,904; July 10.
- Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Control head for a radio-receiver. Des. 93,352; Sept. 18.
- Mitchell, Donald H., Chicago, Ill., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Device for changing direct current potentials to alternating current potentials. 1,943,183; Jan. 9.
- Mitchell, Doren. (See Bjornson, B. G., and Mitchell.)
- Mitchell, Doren. (See Wright, S. B., and Mitchell.)
- Mitchell, Doren. (See Wright, S. B., Mitchell, and Abraham.)
- Mitchell, Doren, Martinsville, N. J., assignor to American Telephone and Telegraph Company. Privacy system. 1,981,113; Nov. 20.
- Mitchell, Doren, Martinsville, and S. B. Wright, South Orange, N. J., assignors to American Telephone and Telegraph Company. Privacy system. 1,981,114; Nov. 20.
- Mitchell, Frank A., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound reproducing instrument. 1,944,258; Jan. 23.
- Mitchell, Frank A., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Recording sound. 1,958,634; May 15.
- Mitchell, Frank A., and A. C. Hiscocks, London, England, assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Carrying handle for portable gramophones or the like. 1,958,587; May 15.
- Mitchell, Frank K. (See Murphy, F. K., Retterer, and Mitchell.)
- Mitchell, George A., Los Angeles, Calif. Ventilator. 1,962,783; June 12.
- Mitchell, George A., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Duplex motion picture projector. 1,945,863; Feb. 6.
- Mitchell, George A., Los Angeles, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Follow focus mechanism. 1,981,185; Nov. 20.
- Mitchell, George A., and E. Lindgren, Los Angeles, Calif., assignors to Mitchell Camera Corporation. Kinetograph movement. 1,954,885; Apr. 17.
- Mitchell, Gertrude A. (See Mitchell, Richard S. M. and G. A.)
- Mitchell, H. Alton, and J. L. Cawthon, Jr., assignors to The Bonney-Flord Company, Columbus, Ohio. Producing pearlitic cast iron. 1,973,263; Sept. 11.
- Mitchell, Henry S., Portland, Ore. Power-operated feeding device. 1,947,728; Feb. 20.
- Mitchell, Herman C., Windsor, Ontario, Canada. Flask pin and cope guide. 1,959,837; May 22.
- Mitchell, Holger L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Power hoe. 1,962,516; June 12.
- Mitchell, Isaac L., Atascadero, Calif. Hot water bag attachment. 1,980,348; Nov. 13.
- Mitchell, James G., Chichester Park, Belfast, Ireland, assignor of one-half to Evered & Company Limited, Smethwick, England. Hinge. 1,975,430; Oct. 2.
- Mitchell, James M., Flushing, N. Y. Settling apparatus. 1,957,898; May 8.
- Mitchell, James M., Old Lyme, Conn. Settling apparatus. 1,979,168; Oct. 30.
- Mitchell, James M., Old Lyme, Conn. Settling apparatus. 1,979,169; Oct. 30.
- Mitchell, James W. (See Toole, H. S., and Mitchell.)
- Mitchell, John A., Providence, R. I. Glove ornament. 1,949,755; Mar. 6.
- Mitchell, John A., Santa Barbara, Calif. Dispensing tube cap. 1,975,696; Oct. 2.
- Mitchell, John E., Dallas, Tex. Method of and apparatus for drying cotton. 1,942,868; Jan. 9.
- Mitchell, John E., Dallas, Tex. Cotton extracting and cleaning machines. 1,945,783; Feb. 6.
- Mitchell, John E., Dallas, Tex. Machine for separating cotton from air. 1,945,820; Feb. 6.
- Mitchell, John E., Dallas, Tex. Cotton drying apparatus. 1,962,320; June 12.
- Mitchell, John E., Dallas, Tex. Cotton cleaning and reclaiming machine. 1,963,241; June 19.
- Mitchell, John H., Bronxville, N. Y. Air moistener. 1,949,320; Feb. 27.
- Mitchell, John J. (See Wutzke, W. W., and Mitchell.)
- Mitchell, Leo W., San Francisco, Calif. Adjustable nozzle. 1,970,667; Aug. 21.
- Mitchell, Malcolm E., Oakland, Calif. Swivel chuck. 1,952,451; Mar. 27.
- Mitchell, Merlin, Orlando, Fla. Fishhook. 1,961,378; June 5.
- Mitchell, Orville, Dallas, Tex. Making gin ribs. 1,983,300; Dec. 4.
- Mitchell, Orville, Dallas, Tex. Pressed steel bearing mounting. 1,952,274; Mar. 27.
- Mitchell, Richard S. M., Detroit, Mich. Jointed link and arm. 1,977,450; Oct. 16.
- Mitchell, Richard S. M. and G. A., Detroit, Mich., assignors of fifteen per cent to A. H. Golden, Stamford, Conn. Shock absorber. 1,977,322; Oct. 16.

- Mitchell, Robert W., Westmount, Quebec, Canada. Composite pipe and making same. 1,965,748; July 10.
- Mitchell Specialty Company. (See Kulicke, Frederick W., assignor.)
- Mitchell Specialty Company. (See Seitz, Joseph J., assignor.)
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Method and apparatus for the intertreatment of liquid and solid materials. 1,943,330; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating ores. 1,943,331; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Chloridizing ores by means of ferric chloride. 1,943,332; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Chloridizing metallurgical ores. 1,943,333; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating metallurgical ores. 1,943,334; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Chloridizing metallurgical ores. 1,943,335; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Chloridizing sulphide ores. 1,943,336; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating sulphide ores to chloridize the same. 1,943,337; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating tin bearing ores. 1,943,338; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating silver bearing ores. 1,943,339; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Recovering values from a sulphide ore. 1,943,340; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Producing metal chlorides from ores. 1,943,341; Jan. 16.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Recovering tin from residues. 1,961,065; May 29.
- Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ore metal sulphides. 1,971,573; Aug. 28.
- Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chemical apparatus. 1,977,238; Oct. 16.
- Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Treating ore materials. 1,979,279; Nov. 6.
- Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ore materials. 1,979,280; Nov. 6.
- Mitchell, Thomas A., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ores. 1,979,281; Nov. 6.
- Mitchell, Thomas F., Jamaica, assignor to Paris Art Label Co., Inc., New York, N. Y. Making dies. 1,947,916; Feb. 20.
- Mitchell, Walter P., Charlotte, N. C. Combined buck and plinth. 1,958,168; May 8.
- Mitchell, William F., St. Paul, Minn., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive front end. 1,942,215; Jan. 2.
- Mitchell, William P., Indianapolis, Ind. Device for applying insecticides to mill elevators. 1,963,501; June 19.
- Mitereff, Sergei D., Petersburg, Va. Automatic electric regulator. 1,955,680; Apr. 17.
- Mithoff, Robert C., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Preparation of products containing pectin. 1,976,741; Oct. 16.
- Mittlehner, Anton, College Point, N. Y. Hair brush. 1,948,990; Feb. 27.
- Mitscherling, Waldemar O., Bridgeport, Conn., assignor to The Pacific Lumber Company, Scotia, Calif. Purifying viscose solutions. 1,968,157; July 31.
- Mitsubishi Denki Kabushiki-Kaisha, The. (See Kato, Y., and Takei, assignors.)
- Mittag, Albert H. (See Alexanderson, E. F. W., Mittag, and Phillips.)
- Mittag, Albert H. (See Sabbah, C. A., and Mittag.)
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 1,946,292; Feb. 6.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,982,350; Nov. 27.
- Mittag, Albert H., and M. A. Edwards, Schenectady, N. Y., assignors to General Electric Company. Control system. 1,958,245; May 8.
- Mittag & Volger, Incorporated. (See Stark, Robert A., assignor.)
- Mittasch, Alvin, and P. Chall, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of carbamates. 1,948,002; Feb. 20.
- Mitteau, Ferdinand, Villemomble, assignor to Société d'Etudes Scientifiques et d'Entreprises Industrielles, Paris, France. Simultaneous manufacture of ammonium phosphate and of other fertilizing substances. 1,956,926; May 1.
- Mitteau, Ferdinand, Villemomble, assignor to L'Air Liquide Société Anonyme pour l'Exploitation des Procédés Georges Claude, Paris, France. Manufacture of fertilizers. 1,963,711; June 19.
- Mittell, Brencley E. G., Iver, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Simultaneous reproduction of sounds and pictures. 1,953,538; Apr. 3.
- Mittell, Brencley E. G., Iver, and A. Whitaker, West Drayton, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound recording. 1,951,198; Mar. 13.
- Mittelman, Samuel J., and A. Kraus, New York, N. Y. Watchcase. 1,979,338; Nov. 6.
- Mittendorf, Harvey C., East Orange, N. J., and A. C. Foster, Pittsburgh, Pa., assignors to International Combustion Engineering Corporation, New York, N. Y. Controls for boiler installations. 1,951,763; Mar. 20.
- Mittet, Martin M. (See Olive, H. L., and Mittet.)
- Mittmann, Paul, Luddenschied in Westfalen, Germany, assignor to American Lurgi Corporation, New York, N. Y. Production of zinc sheets particularly adapted for use in galvanic cells. 1,947,948; Feb. 20.
- Mitts & Merrill. (See Winston, William J., assignor.)
- Mitzen, Frank, and F. J. Hoffman, Racine, Wis. Winch. 1,956,806; May 1.
- Mitzlaff, Georg, and R. Bruderlink, Mannheim, Germany, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Controlling electric drives for ships. 1,983,917; Dec. 11.
- Mitzner, Adelbert C., Chicago, Ill. Jar. Des. 93,174; Aug. 28.
- Mitzner, Adelbert C., assignor to Independent Grocers' Alliance of America, Chicago, Ill. Jar. Des. 93,669; Oct. 23.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Ornamental leather belt and other leather article. 1,950,257; Mar. 6.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Detachable initial loop for braces. 1,955,647; Apr. 17.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Shirt hold-down attachment for suspenders. 1,960,229; May 22.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Compass or other instrument for belts. 1,961,066; May 29.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Compass belt for personal wear. 1,961,067; May 29.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Compass. 1,961,068; May 29.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Leather brace. 1,972,533; Sept. 4.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Necktie clasp. 1,973,009; Sept. 11.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt or the like for personal wear. 1,973,646; Sept. 11.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Ornamental initial and insignia device. 1,980,075; Nov. 6.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Necktie clasp. 1,981,740; Nov. 20.
- Mix & Genest Aktiengesellschaft. (See Droysen, Otto, assignor.)
- Miyaoka, Yasutaka, Colfax, Calif. Heated metal point electrode. 1,948,075; Feb. 20.
- Miyematsu, Yasuo I., San Francisco, Calif. Illuminating device for telephones. 1,871,272; Aug. 21.
- Mize, Earl W., assignor of one-fourth to R. W. Forbes, one-fourth to J. A. Fitzsimmons, and one-fourth to J. M. Bryant, Jacksonville, Fla. Refrigerator. 1,984,977; Dec. 18.
- Mize, George G., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Connecting link for chains. 1,947,421; Feb. 13.
- Mize, Isaac T., Akron, Ohio. Door controlling mechanism. 1,942,720; Jan. 9.
- Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Car support for automobile hoists. 1,968,416; July 31.
- Mizer, Joseph J., and I. E. Dearsley, assignors to Walker Manufacturing Company, Racine, Wis. Knee lift jack bar. 1,978,471; Oct. 30.
- Mobbs, Richard O., London, assignor to The Pytchley Autocar Company, Limited, Slough, England. Movable roof for vehicles. 1,981,843; Nov. 20.
- Moberley, Walter E., Detroit, Mich. Tool. 1,946,753; Feb. 13.
- Möbius, Walter. (See Ritter, M., Möbius, Rothenberg, and Block.)
- Mobley, Ora J., Texarkana, Ark., assignor to Edward Durell, Columbus, Ohio. Agricultural hand implement. 1,968,463; July 31.
- Mobley, William R., Miami, Fla. Propulsion means. 1,961,237; June 5.
- Mobley, William R., Miami, Fla. Air propelling device. 1,971,015; Aug. 21.
- Mobley, William R., Miami, Fla. Propulsion means. 1,977,949; Oct. 23.
- Mobley, William R., Miami, Fla. Propulsion means. 1,980,925; Nov. 13.
- Mobley, William R., Miami, Fla., assignor of one-half to F. W. Bradley, Louisville, Ky. Air propelling device. 1,968,955; Aug. 7.

- Moche, Spero, St. Petersburg, Fla. Brush and brush holder for lure carriers. 1,982,063; Nov. 27.
- Mochi, Ugo, Yonkers, N. Y., assignor to The Enamel Products Company, Cleveland, Ohio. Table. Des. 91,278; Jan. 2.
- Mochi, Ugo, New Rochelle, N. Y., assignor to The Enamel Products Company, Cleveland, Ohio. Table top. Des. 92,190; May 8.
- Mochi, Ugo, New Rochelle, N. Y., assignor to The Enamel Products Company, Cleveland, Ohio. Table top. Des. 92,191; May 8.
- Mocigemba, Emanuel, Essen, assignor to Aktiengesellschaft für Montanbedarf, Vaduz, Liechtenstein, Germany. Making rotary pistons with stepped windings for use in connection with rotary piston engines. 1,946,410; Feb. 6.
- Mock, Frank C., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. Re19,400; Dec. 18.
- Mock, Frank C., Montclair, assignor to Bendix Research Corporation, East Orange, N. J. Fuel injector. 1,952,816; Mar. 27.
- Mock, Frank C., Montclair, assignor to Bendix Research Corporation, East Orange, N. J. Fuel injector. 1,977,005; Oct. 16.
- Mock, Frank C., Montclair, assignor to Bendix Research Corporation, East Orange, N. J. Internal combustion engine. 1,981,874; Nov. 27.
- Mock, Frank C., East Orange, N. J., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,945,200; Jan. 30.
- Mock, Frank C., assignor to Bendix Research Corporation, East Orange, N. J. Carburetor. 1,947,162; Feb. 13.
- Mock, Frank C., assignor to Bendix Research Corporation, East Orange, N. J. Internal combustion engine. 1,972,200; Sept. 4.
- Mock, Frank C., Chicago, Ill., assignor, by mesne assignments, to Bendix Stromberg Carburetor Company, South Bend, Ind. Shock absorber. 1,961,861; June 5.
- Mock, Frank C., Chicago, Ill., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,976,452; Oct. 9.
- Mock, Frank C., Chicago, Ill., and C. J. Gustafson, and M. E. Chandler, assignors to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,945,199; Jan. 30.
- Mock, Frank C., East Orange, and C. H. Havill, South Orange, assignors to Bendix Research Corporation, East Orange, N. J. Flow meter. 1,980,761; Nov. 13.
- Mock, Henri L., Cleveland, Ohio. Eyecup. 1,944,901; Jan. 30.
- Mock, Hugo, New York, N. Y. Combination candle and holder. 1,962,748; June 12.
- Mock, Judson, Voehringer Co. Inc. (See Schweistres, John, assignor.)
- Modern Coal Burner Company. (See Leach, Vernon G., assignor.)
- Modern Collet & Machine Company, The. (See Baxendale, Samuel, assignor.)
- Modern Concrete Development Company Limited. (See Knipe, Arthur C., assignor.)
- Modern Equipment Company. (See Goldberg, Max W., assignor.)
- Modern Equipment Company. (See Goldberg, M. W., and Drissen, assignors.)
- Modern Food Process Company. (See Vogt, Charles H., assignor.)
- Modersohn, August. (See Muth, F., and Modersohn.)
- Modess Corporation, The. (See Hicks, Thomas E., assignor.)
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator control. 1,967,010; July 17.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Air cooler and circulator. 1,985,052; Dec. 18.
- Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
- Modisett, Joe, et al. (See Dunagin, William A., assignor.)
- Moe, Andrew C., Toppenish, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Drier. 1,943,874; Jan. 16.
- Moe, Andrew O., Toppenish, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Method of and apparatus for cleaning fruit. 1,983,478; Dec. 4.
- Moe, Martin P., and O. K. Helena, Mont. Tractor wheel. 1,949,807; Mar. 6.
- Moe, O. Kay. (See Moe, Martin P. and O. K.)
- Moelck, Clarence S., assignor to Southern Spring Bed Company, Atlanta, Ga. Display stand. 1,955,509; Apr. 17.
- Moelck, Louis C., New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Spring bed bottom. 1,964,296; June 26.
- Moelcker, Arnold H., Homewood, Ill. Oil mileage indicator. 1,948,427; Feb. 20.
- Moelcker, Arnold H., Homewood, Ill., assignor to American Stove Company, St. Louis, Mo. Gas range. Des. 93,122; Aug. 21.
- Moelcker, Arnold H., Homewood, Ill., assignor to American Stove Company, St. Louis, Mo. Stove or range base. 1,956,128; Apr. 24.
- Moelcker, Arnold H., Homewood, Ill., assignor to American Stove Company, St. Louis, Mo. Rack or slide for cooking stoves or the like. 1,974,830; Sept. 25.
- Moehler, Otto J., Newark, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Apparatus for sterilizing articles by ultraviolet radiation. 1,961,700; June 5.
- Moerle, Edward, Duisburg-Meiderich, Germany. Treatment of heavy hydrocarbons. 1,954,573; Apr. 10.
- Moerle, Eduard, Duisburg-Meiderich, Germany. Treatment of high-boiling hydrocarbons. 1,963,757; June 19.
- Moeller, Walter F., Buffalo, assignor, by mesne assignments, to The Linde Air Products Company, New York, N. Y. Purifying liquefied gases. 1,967,717; July 24.
- Moeller, Walter F., Mount Lebanon, Pa., assignor, by mesne assignments, to The Linde Air Products Company, New York, N. Y. Apparatus for purifying liquefied gases. 1,967,718; July 24.
- Moehner, William A., Los Angeles, Calif. Folding bed. 1,963,372; June 19.
- Moench, Ernest J., assignor, by mesne assignments, to Ingram Manufacturing Company, Nashville, Tenn. Tufting apparatus. 1,956,453; Apr. 24.
- Moering, Georg. (See Klein, W., and Moering.)
- Moers, Kurt, Berlin-Steglitz, Germany, assignor to General Electric Company. Gaseous electric arc discharge lamp. 1,961,701; June 5.
- Moers, Kurt, Berlin-Charlottenburg, K. Schroeter, Berlin-Lichtenberg, and H. Wolff, Berlin, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Hard alloys. 1,973,441; Sept. 11.
- Moffat, James, Colonie, N. Y., assignor to Colhurst Machine Works, Inc. Centrifugal machine. 1,960,950; May 29.
- Moffat, John H., Indianapolis, Ind. Spart tire vehicle parking device. 1,948,043; Feb. 20.
- Moffats Limited. (See Smith, Elmore S., assignor.)
- Moffett, Ernest C., Woodbridge, N. Y., assignor to American Cyanamid Company, New York, N. Y. Case-hardening metal. 1,952,090; Mar. 27.
- Moffett, Ernest C., Woodbridge, N. J., assignor to American Cyanamid Company, New York, N. Y. Case hardening. 1,957,973; May 8.
- Moffett, Ernest C., Woodbridge, N. J., assignor to American Cyanamid Company, New York, N. Y. Case hardened alloy steels. 1,980,817; Nov. 13.
- Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Moffett.)
- Moffett, Guy A., Scotia, N. Y., assignor to General Electric Company. Control system. 1,954,142; Apr. 10.
- Moffett, Guy A., Scotia, N. Y., assignor to General Electric Company. Protective equipment for electrical apparatus. 1,973,538; Sept. 11.
- Moffett, Henry C., assignor of one-third to Paul F. Raef, Oakland, Calif. Positive drive differential. 1,968,801; July 31.
- Moffett, Lancelot. (See Alt, C. A., Graebner, and Moffett.)
- Moffit, Samuel P., St. Louis, Mo., assignor, by mesne assignments, to The Ruberoid Co., New York, N. Y. Roofing structure. 1,955,699; Apr. 17.
- Moffit, Samuel P., Philadelphia, Pa., assignor to The Ruberoid Co., New York, N. Y. Shingle. 1,968,217; July 31.
- Moffitt, Cecil C., Ogden, Utah. Toy. 1,978,548; Oct. 30.
- Moffitt, George E. (See Meyer, F. C., and Moffitt.)
- Moffitt, Henry K., Harrisburg, Pa. Vehicle body equalizing mechanism. 1,984,978; Dec. 18.
- Moffitt, Lucian Q., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible connection. 1,942,721; Jan. 9.
- Mogford, Edmund C., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Rear axle housing. 1,955,824; Apr. 24.
- Mogford, Edmund C., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Treating axles. 1,961,446; June 5.
- Mogford, Edmund C., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Forming and treating axles. 1,967,317; July 24.
- Mogford, Edmund C., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Making rear axle housing. 1,978,685; Oct. 30.
- Mohan, Edward J., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Protecting reciprocating tables of matrix-making machines. 1,971,116; Aug. 21.
- Mohawk Carpet Mills, Inc. (See Greaves, William B., assignor.)
- Mohawk Carpet Mills, Inc. (See Hamilton, James, assignor.)
- Mohawk Carpet Mills, Inc. (See Kellogg, W. D., Fradenburgh, and Dube, assignors.)
- Mohawk Carpet Mills, Inc. (See Shuttleworth, Howard L., assignor.)
- Mohawk Carpet Mills, Inc. (See Underwood, Garfield J., assignor.)
- Mohler, David D., and W. N. Henderson, assignors to The Solvay Process Company, Solvay, N. Y. Process and apparatus for dry lime treatment of liquors. 1,962,150; June 12.
- Mohler, Francis, Schenectady, N. Y., assignor to General Electric Company. Control system. 1,943,084; Jan. 9.
- Mohler, Francis, Schenectady, N. Y., assignor to General Electric Company. Working metal. 1,983,387; Dec. 4.
- Mohler, Loring L., Quinlan, Tex., assignor to CO₂ Appliance Company, Tulsa, Okla. Cover for high pressure liquefiers. 1,958,923; May 15.
- Mohr, John K., Bay City, Mich. Convertible toy vehicle. 1,973,220; Sept. 11.

- Mohr, Karl, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Garden, Germany. Internal combustion engine. 1,952,275; Mar. 27.
- Mohr, Otto, Weehawken, assignor to J. A. Hoegger, North Bergen, N. J. Supporting member. 1,967,039; July 17.
- Mohrenwitz, Friedrich, Frankfort-on-the-Main, Germany. Safety razor. 1,974,504; Sept. 25.
- Möhring, Albert. (See Correns, E., and Möhring.)
- Möhring, Erich, Moosbierbaum-Heiligenach, Austria, assignor to the firm Saureschutz Gesellschaft m. b. H., Berlin-Altglienicke, Germany. Manufacture of articles from synthetic resin compounds. 1,960,120; May 22.
- Möhrle, Artur, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Sparking plug. 1,984,313; Dec. 11.
- Mohun, John L., Omaha, Nebr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam. 1,947,580; Feb. 20.
- Moir, Kenneth N., Los Angeles, assignor, by mesne assignments, to Aerial Advertising Company, Inc., San Francisco, Calif. Advertising apparatus. 1,944,448; Jan. 23.
- Moir, William L. (See Kinkead, G. R., and Moir.)
- Moise, Bolton C., Pittsburgh, Pa. Tube mill. 1,973,687; Sept. 11.
- Mojonnier, Albert B. (See Fagan, L. E., and Mojonnier.)
- Mojonnier, Albert B., River Forest, Ill., assignor to Mojonnier Bros. Co. Liquid level control mechanism. 1,956,077; Apr. 24.
- Mojonnier Bros. Co. (See Fagan, L. E., and Mojonnier, assignors.)
- Mojonnier, Bros. Co. (See Mojonnier, Albert B., assignor.)
- Mojonnier Bros. Co. (See Mojonnier, Julius J., assignor.)
- Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co. Washing apparatus. 1,946,805; Feb. 13.
- Molaska Corporation, The. (See Black, T., and Drew, assignors.)
- Molden, Arthur. (See Dunlap, Marshall N., assignor.)
- Moler, Thomas A., et al. (See Hainsworth, Kenneth M., assignor.)
- Moles, Frank J., Schenectady, N. Y., assignor to General Electric Company. Measuring circuit. 1,969,518; Aug. 7.
- Molinare, Anthony W., Oak Park, Ill., assignor to Highway Trailer Company, Edgerton, Wis. Automatic tractor-trailer combination. 1,970,014; Aug. 14.
- Molinelli, Mario, Milan, Italy. Selective gear for portable cranes. 1,963,308; June 19.
- Molins, Desmond W., Bexley, England. Cigarette packing machine. 1,967,154; July 17.
- Molins, Desmond W., Bexley, England. Manufacture of cigarettes. 1,967,624; July 24.
- Molins, Desmond W., Bexley, Kent, England. Cigarette making machine. 1,974,032; Sept. 18.
- Molins, Desmond W., Bexley, Kent, England. Device for testing cigarettes. 1,977,239; Oct. 16.
- Molins, Desmond W., Deptford, London, England. Cigarette making machine. 1,971,870; Aug. 28.
- Molins, Walter E., Deptford, London, England. Cigarette making machine. 1,955,012; Apr. 17.
- Molins, Walter E., Deptford, London, England. Machine for wrapping cigarette packets or similar articles. 1,971,868; Aug. 28.
- Molins, Walter E., Deptford, London, England. Cigarette making machine. 1,971,869; Aug. 28.
- Molins, Walter E., and F. F. Ruau, Deptford, London, England. Cigarette making machine. 1,983,986; Dec. 11.
- Molitor, Albert, Philadelphia, Pa. Tie holder. 1,968,898; Aug. 7.
- Molitor, Frederick R. (See Skidmore, G. A., Molitor, and De Mott.)
- Moll, Harry C., Beaver Falls, assignor to Koppel Industrial Car and Equipment Company, Koppel, Pa. Sling such as is used in the handling of sugar cane. 1,959,985; May 22.
- Moll, Joseph, Philadelphia, Pa. Perforating device for checks, drafts, and the like. 1,953,121; Apr. 3.
- Moll, Karl H. (See Etherington, H., and Moll.)
- Moll, Karl H., and P. Stickel, Milwaukee, Wis. Checkerwork brick structure. 1,964,267; June 26.
- Mollberg, Byron, assignor to Carter Carburetor Corporation, St. Louis, Mo. Drain valve. 1,941,482; Jan. 2.
- Mollberg, Byron, assignor to Carter Carburetor Company, St. Louis, Mo. Making drain valves. 1,949,618; Mar. 6.
- Molle, Frank, et al. (See Tursi, Daniel, assignor.)
- Mollenhauer, Arno W. (See Mollenhauer, Elmer A. and A. W.)
- Mollenhauer, Elmer A. and A. W., Spokane, Wash. Piston ring filing device. 1,964,643; June 26.
- Mollenkamp, Louis, Arnold, Kans. Grain drag raddle. 1,964,327; June 26.
- Moller, Anton R., Lexington, Mass. Radiator. 1,969,315; Aug. 7.
- Moller, Berneice, Piedmont, Calif. Hand guard. 1,984,613; Dec. 18.
- Möller, Heinrich, Ergste, near Schwerte, Germany. Drawing process for production of round rods. 1,952,560; Mar. 27.
- Möller, Heinrich, Ergste, near Schwerte, assignor to the firm Schumag Schumacher Metallwerke Aktien-Gesellschaft für Präzisions Mechanik, Aachen, Germany. Machine for straightening, drawing, and polishing rods. 1,976,357; Oct. 9.
- Moller, Kasper F., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine control mechanism. 1,981,147; Nov. 20.
- Möller, Olov. (See Wiberg, O. A., and Möller.)
- Möller, Paul. (See Hagedorn, M., and Möller.)
- Möller, Rolf, and G. Schubert, Berlin, assignor to Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany. Television apparatus. 1,973,385; Sept. 11.
- Möller, Waldemar, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G. vormal's Central Werkstatt Dessau und Carl Bamberg-Friedenau. Aircraft control system. 1,967,155; July 17.
- Möller, Waldemar, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G. vormal's Central Werkstatt Dessau und Carl Bamberg-Friedenau. Apparatus for the automatic control more particularly of aircraft. 1,967,156; July 17.
- Möller, Waldemar, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G. vormal's Central Werkstatt Dessau und Carl Bamberg-Friedenau. Fluid meter. 1,972,054; Aug. 28.
- Möller, Waldemar Berlin-Charlottenburg, assignor to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany. Producing movement at a distance by fluid pressure. 1,978,502; Oct. 30.
- Möller, Waldemar, Berlin-Zehlendorf, and H. Lorenz, Berlin-Reinickendorf, Germany, assignors to Askania-Werke A. G. vormal's Central Werkstatt Dessau und Carl Bamberg-Friedenau. Remote revolution indicating and recording apparatus. 1,980,926; Nov. 13.
- Molly, Hans, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Germany. Brake lever construction. 1,948,991; Feb. 27.
- Molnar, Abel, Pittsburgh, Pa. Headlight. 1,959,248; May 15.
- Moloney Electric Company. (See Mullen, James J., assignor.)
- Moloney, Raymond T. (See Breitenstein, Herbert G., assignor.)
- Molten, Louis A., Rutherford, N. J. Headlamp safety device. 1,941,571; Jan. 2.
- Molter, Fred C., Superior, Wis. Radio frequency transformer and ribbon winding therefor. 1,984,979; Dec. 18.
- Molyneux, Edward J., Barborton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Apparatus for staining the margins of sheet blanks. 1,943,450; Jan. 16.
- Molyneux, George E., Bayonne, N. J. Power-transmission device. 1,950,992; Mar. 13.
- Molyneux-Seel, Margaret A. M., London, and T. B. Bertuccioli, Farnborough, England. Manicuring instrument. 1,970,198; Aug. 14.
- Molzahn, Walter, Chicago, Ill. Marzipan candy. Des. 93,839; Nov. 13.
- Momon, Louis, Paris, France, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,982,013; Nov. 27.
- Monad Paint and Varnish Company. (See McCrudden, Daniel J., Jr., assignor.)
- Monahan, William, Tacoma, Wash. Apparatus for the treatment of the urethra. 1,967,318; July 24.
- Monarch Governor Company. (See Anderson, James W., assignor.)
- Monarch Governor Company. (See Culp, Jay S., assignor.)
- Monarch Manufacturing Works, Inc. (See Murphy, Thomas W., assignor.)
- Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
- Monarch Metal Weatherstrip Corporation. (See Goellner, John A., assignor.)
- Monark Battery Company. (See Henry, Harry H., assignor.)
- Monark Battery Company. (See Henry, H. H., and Miltenaar, assignors.)
- Monckmeier, Gustav C., Tipton, Iowa. Bearing cap finishing device. 1,971,078; Aug. 21.
- Monckmeier, Gustav C., Davenport, Iowa. Luggage and trunk carrier. 1,977,734; Oct. 23.
- Monckmeier, Gustav C., Davenport, Iowa. Luggage and trunk carrier. 1,977,735; Oct. 23.
- Moncrieff, Robert W. (See Dickie, W. A., and Moncrieff.)
- Mondl, Adolph M., Oshkosh, Wis. Footwear. 1,974,580; Sept. 25.
- Moness, Eugene. (See Christiansen, W. G., and Moness.)
- Moness, Eugene. (See Christiansen, W. G., Jurist, and Moness.)
- Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Evaporator for refrigerating devices. 1,975,659; Oct. 2.
- Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Oil removing device for refrigerator evaporators. 1,978,027; Oct. 23.
- Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Delivery of refrigerant to evaporators. 1,978,028; Oct. 23.
- Money-Meters, Inc. (See Johnson, Walter S., assignor.)
- Monfils, Napoléon A., Haverhill, Mass. Shoe heel. 1,949,940; Mar. 6.
- Monitor Controller Company. (See Frese, Joseph F., assignor.)
- Monitor Controller Company. (See Neville, William H., assignor.)
- Monitor Controller Company. (See Whittingham, George H., assignor.)
- Monk, Nora. (See Monk, Sidney J., assignor.)
- Monk, Sidney J., assignor to N. Monk, Washington, D. C. Electric lamp. 1,952,276; Mar. 27.

- Monkosky, Frank V., Lakewood, assignor, by mesne assignments, to H. J. Monson, Cleveland, Ohio, trustee. Stoker for furnaces. 1,962,666; June 12.
- Monks, William, Harlesden, assignor to McVitie & Price Limited, London, England. Biscuit cutter or the like machine. 1,960,416; May 29.
- Monnier, Emmanuel, Yverdon, Switzerland. Curtain operating device. 1,954,941; Apr. 17.
- Monnot, Edward L., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Electric water heater. 1,984,076; Dec. 11.
- Monosmith, Clayton E. (See Monosmith, Olney B. and C. E.)
- Monosmith, Olney B., Lorain, and C. E. Monosmith, Spencer, assignors of one-fourth to G. W. Saywell, Cleveland, Ohio. Carburetor. 1,974,286; Sept. 18.
- Monowatt Electric Corporation. (See Benander, George B., assignor.)
- Monrad, Karl J., Little Falls, N. Y. Milk dessert. 1,980,628; Nov. 13.
- Monro, Donald A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Bubble cap. 1,982,226; Nov. 27.
- Monro, Randolph. (See McBride, L. M., and Monro.)
- Monro, William L., Pittsburgh, Pa. Laminated glass. 1,963,798; June 19.
- Monro, William L., Pittsburgh, Pa. Laminated glass. 1,980,970; Nov. 13.
- Monro, William L., Pittsburgh, Pa. Laminated glass. 1,981,703; Nov. 20.
- Monroe Calculating Machine Company. (See Bricken, John, assignor.)
- Monroe Calculating Machine Company. (See Britten, Edwin F., Jr., assignor.)
- Monroe Calculating Machine Company. (See Brown, Lee R., assignor.)
- Monroe Calculating Machine Company. (See Chase, George C., assignor.)
- Monroe Calculating Machine Company. (See Overbury, Austin A., assignor.)
- Monroe, Harry E., Los Angeles, Calif. Planing and grading road surfaces. 1,952,452; Mar. 27.
- Monroe, Kenneth C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Electric metal heater and control therefor. 1,959,684; May 22.
- Monroe, Kenneth C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Electric heading machine and control therefor. 1,962,647; June 12.
- Monroe, Kenneth C., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Back pressure control mechanism for machine tools. 1,970,181; Aug. 14.
- Monroe, Leo M., Cleveland Heights, Ohio. Oil cooler. 1,945,287; Jan. 30.
- Monroe, Stanley G., and F. Shepherd, Akron, Ohio. Fly swatter. 1,966,954; July 17.
- Monroe, Stanley G., and F. Shepherd, Akron, Ohio. Jar clamping tool. 1,976,623; Oct. 9.
- Monroe Steel Castings Company. (See Safford, Lafayette B., assignor.)
- Monsanto Chemical Company. (See Bebie, J., Livingston, and Luthy, assignors.)
- Monsanto Chemical Company. (See Bertsch, Johann A., assignor.)
- Monsanto Chemical Company. (See Bertsch, J. A. and Krause, assignors.)
- Monsanto Chemical Company. (See Carswell, Thomas S., assignor.)
- Monsanto Chemical Company, The. (See Carswell, T. S., Stehly, and Alozeri, assignors.)
- Monsanto Chemical Company. (See Clemmensen, Erik, assignor.)
- Monsanto Chemical Company. (See Clemmensen, Erik, and Miller.)
- Monsanto Chemical Company. (See Comte, Frederick, assignor.)
- Monsanto Chemical Company. (See Conover, Courtney, assignor.)
- Monsanto Chemical Company. (See Dvornikoff, Michael N., assignor.)
- Monsanto Chemical Company. (See Flint, W. P., and Hockynos, assignors.)
- Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
- Monsanto Chemical Company. (See Luthy, Max, assignor.)
- Monsanto Chemical Company. (See Smith, Franklin D., assignor.)
- Monson, Hugh J., Rocky River, and T. Maynz, Cleveland Heights, Ohio; said Maynz assignor to said Monson. Heating unit. 1,962,694; June 12.
- Monson, Hugh J., trustee. (See Hoffman, Fred D., assignor.)
- Monson, Hugh J., trustee. (See Monkosky, Frank V., assignor.)
- Montag, Ferdinand F., Cleveland, Ohio. Dispensing apparatus. 1,972,425; Sept. 4.
- Montague Rod & Reel Company. (See Pirnie, Warren B., assignor.)
- Montaine, Herbert A., assignor to Rotary Machine Company, Lynn, Mass. Finishing the edge of shoe uppers or the like. 1,958,544; May 15.
- Montaine, John S., Hamilton, Ohio. Milling machine. 1,976,742; Oct. 16.
- Montan, Adolf, Montclair, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Rake. 1,970,616; Aug. 21.
- Montan, Inc. (See Coolidge, Joseph R., assignor.)
- Montanye, Carlyle N., Baltimore, Md. Combined thermometer and calendar support. Des. 92,263; May 15.
- Montanye, Carlyle N., Baltimore, Md. Calendar stand. Des. 92,419; June 5.
- Montanye, Carlyle N., Baltimore, Md. Calendar holding means. 1,979,005; Oct. 30.
- Montauk Research Corporation. (See Grumman, Leroy R., assignor.)
- Montauti, Francesco, Leghorn, Italy. Optical instrument for determining the gun firing and torpedo launching data. 1,965,506; July 3.
- Montecatini, Società Generale per L'Industria Mineraria Ed Agricola. (See Fauser, Giacomo, assignor.)
- Monteith, Alexander C. (See Ashbaugh, J. H., and Monteith.)
- Monteith, Charles N., and R. J. Minshall, assignors to Boeing Airplane Company, Seattle, Wash. Mail plane. Des. 91,327; Jan. 9.
- Monteith, Charles N., R. J. Minshall, and J. Kylstra, assignors to Boeing Airplane Company, Seattle, Wash. Open cockpit pursuit airplane. Des. 91,720; Mar. 13.
- Monteith, Hugh L., Stirling, N. J., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Sign. 1,964,328; June 26.
- Montelius, Carl O. J., assignor to Aktiebolaget Imoindustri, Stockholm, Sweden. Pump or motor. 1,965,557; July 3.
- Montén, Ragnor W., South Melbourne, Victoria, Australia. Apparatus for effecting the tying of wool bale and like ties. 1,950,928; Mar. 13.
- Monten, Ragnor W., Melbourne, Victoria, Australia. Binding bales. 1,973,823; Sept. 18.
- Montenare, Anthony, Reading, Pa. Reed for musical instruments. 1,985,102; Dec. 18.
- Montgomery, Alexander, deceased, by R. J. Montgomery, executor, Amherst, assignor to The Montgomery Company, Incorporated, Hadley, Mass. Hybrid tea rose. Pl. Pt. 95; Apr. 24.
- Montgomery, Alexander W., and V. J. Terry, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical measuring system. 1,969,573; Aug. 7.
- Montgomery, Alice G., New York, N. Y. Heat retainer for food service. 1,956,395; Apr. 24.
- Montgomery, Charles J., et al. (See Montgomery, James A., assignor.)
- Montgomery Company, The. (See Montgomery, Alexander, assignor.)
- Montgomery, Donald H., Berlin, assignor to New Britain-Gridley Machine Company, New Britain, Conn. Hydraulic apparatus. Re19,077; Feb. 13.
- Montgomery, Eloise S., et al. (See Montgomery, James A., assignor.)
- Montgomery, Fred A., et al. (See Montgomery, James A., assignor.)
- Montgomery, Fred H., et al. (See Hartman, Frank E., assignor.)
- Montgomery, H. A. (See Winter, John R., assignor.)
- Montgomery, H. B. (See Tatro, Lysle G., assignor.)
- Montgomery, Henry S. (See Weir, J. W., and Montgomery.)
- Montgomery, Henry S., Maywood, Calif. Air separator. 1,962,455; June 12.
- Montgomery, James A., assignor to F. A., C. J., and E. S. Montgomery, and R. M. Phillips, Birmingham, Ala. Coal-washing machine. 1,949,174; Feb. 27.
- Montgomery, James A., assignor to F. A., C. J., and E. S. Montgomery, and R. M. Phillips, Birmingham, Ala. Coal washer. 1,952,277; Mar. 27.
- Montgomery, James M., Piqua, Ohio. Automatic measuring mechanism. 1,983,093; Dec. 4.
- Montgomery, Robert J., executor. (See Montgomery, Alexander.)
- Montgomery, Terryl B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Regulator system. 1,944,189; Jan. 23.
- Montgomery, Thomas, and J. C. Morrison, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Protective lining in cracking vessels. 1,948,391; Feb. 20.
- Montgomery, W. Ray, et al. (See Hartman, Frank E., assignor.)
- Montgomery Ward & Co. (See Chapman, Frederick D., assignor.)
- Montgomery Ward & Co. (See Falcon, Joseph V., assignor.)
- Montgomery Ward & Co. (See Guild, Lurette V. A., assignor.)
- Montgomery Ward & Co. (See Knapp, Leland G., assignor.)
- Montgomery Ward & Co. (See Prall, Bert R., assignor.)
- Montgomery Ward & Co. (See Ryan, Clement D., assignor.)
- Montgomery Ward & Co. (See Stentiford, Henry J., assignor.)
- Montgomery Ward & Co., Incorporated. (See Sayre, Judson S., assignor.)
- Montigney, John W., Cleveland Heights, Ohio. Portable sectional shipping and storage unit. 1,970,705; Aug. 21.
- Montrose, Samuel C. (See O'Brien, Vincent J., assignor.)
- Montuori, Felix C., Washington, D. C. Gas mask. 1,975,797; Oct. 9.
- Mood, Homer W., assignor to J. and G. Hicks, Paris, Ill. Slicing machine. 1,942,563; Jan. 9.

- Moodie, Thomas E., Atlanta, Ga. Rotor head for aircraft. 1,954,533; Apr. 10.
- Moodie, Thomas E., Atlanta, Ga. Rotating wing aircraft. 1,975,118; Oct. 2.
- Moody, Joseph F., Tulsa, Okla. Well equipment. 1,966,454; July 17.
- Moody, Lewis F., Princeton, N. J. Hydraulic apparatus. 1,947,653; Feb. 20.
- Moody, Lewis F., Princeton, N. J. Hydraulic apparatus. 1,947,654; Feb. 20.
- Moody, Lewis F., Princeton, N. J. Hydraulic apparatus. 1,978,809; Oct. 30.
- Moody, Lewis F., Princeton, N. J. Hydraulic apparatus. 1,978,810; Oct. 30.
- Moody, Lewis F., Princeton, N. J. Adjustable clearance apparatus for compressors. 1,985,642; Dec. 25.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic apparatus. 1,951,199; Mar. 13.
- Moody, Maxey D. (See Hardison, Charles J.)
- Moody, Robert J. (See Sjodin, A., Olund, and Moody.)
- Moody, Virginius W., Long Branch, N. J., assignor to Reynolds Research Corporation, New York, N. Y. Insulating unit. 1,973,880; Sept. 18.
- Moody, Virginius W., Long Branch, N. J., assignor to Reynolds Research Corporation, New York, N. Y. Refrigerating unit. 1,973,881; Sept. 18.
- Moomaw, Lewis H., Wilmette, Ill. Motion-picture camera. 1,979,984; Nov. 6.
- Moomy, Charles S. (See Williams, T. H., and Moomy.)
- Moon, Charles R., assignor to Ontario Manufacturing Company, Muncie, Ind. Automatic feed for blanks. 1,962,872; June 12.
- Moon, Charles R., assignor to Ontario Manufacturing Company, Muncie, Ind. Off bearing delivery. 1,971,574; Aug. 28.
- Moon, Ralph L. (See Berry, R. F., and Moon.)
- Moon, Sterling C. (See Jeffrey, R. K., and Moon.)
- Moon, Sterling C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal drill. 1,954,050; Apr. 10.
- Moon, Sterling C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Drilling mechanism. 1,954,051; Apr. 10.
- Moon, William H., Muncie, Ind. Helical spring coiling device. 1,946,870; Feb. 13.
- Moone, Albert E. F., assignor to Orenda Corporation, Chicago, Ill. Cutting mechanism. 1,945,063; Jan. 30.
- Moone, Albert E. F., Chicago, Ill., assignor to The Lehon Company. Printing and slitting machine. 1,948,590; Feb. 27.
- Moone, Albert E. F., Chicago, Ill., assignor to The Lehon Company. Prepared roofing. 1,959,986; May 22.
- Moone, Albert E. F., assignor, by mesne assignments, to The Carpenter-Hiatt Sales Company, Chicago, Ill. Fruit packer. 1,964,741; July 3.
- Moone, Albert E. F., assignor, by mesne assignments, to The Carpenter-Hiatt Sales Company, Chicago, Ill. Facing form. 1,964,742; July 3.
- Moone, Albert E. F., assignor to Lehon Company, Chicago, Ill. Process and apparatus for making building strips. 1,968,535; July 31.
- Moone, Albert E. F., Wilmington, Ill., assignor to The Lehon Company. Roofing machine. 1,967,419; July 24.
- Moone, Albert E. F., Wilmington, assignor to Orenda Corporation, Chicago, Ill. Apparatus for making liners. 1,979,985; Nov. 6.
- Mooney, Corinne, Memphis, Tenn. Mail box. Des. Re19,340; Oct. 9.
- Mooney, Howard B., assignor to P. C. Dunlevy, Pittsburgh, Pa. Spaceband cleaner. 1,944,014; Jan. 16.
- Mooney, John W., Glendale, Calif. Arm signal panel. 1,973,219; Sept. 11.
- Mooney, Melvin, Chicago, Ill. Speed regulator and the like. 1,979,398; Nov. 6.
- Mooney, Thomas F., New Lexington, Ohio, assignor to Ludowici-Celadon Company, Chicago, Ill. Method and apparatus of forming tile. 1,973,092; Sept. 11.
- Moore, Abram J., Melrose Highlands, Mass., assignor to General Electric Company. Device for testing and sorting of electrically conducting parts. 1,983,388; Dec. 4.
- Moore, Ainsworth D. (See Nunes, Alvin E., assignor.)
- Moore, Arlington, New York, N. Y. Multiple port charge forming and distributing manifold. 1,982,596; Nov. 27.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Charge forming and distributing manifold. 1,953,888; Apr. 3.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Pressure controlled charge supplying and mixing apparatus for internal combustion engines. 1,973,496; Sept. 11.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Charge forming and distributing manifold. 1,981,876; Nov. 27.
- Moore Brothers Company. (See Dibble, Claude M., assignor.)
- Moore Brothers Company. (See Holloway, Isaiah S., assignor.)
- Moore, Charles G., Lakewood, and M. Zucker, assignors to The Glidden Company, Cleveland, Ohio. Wood stain. 1,977,345; Oct. 16.
- Moore, Charles W., St. Clair, and C. W. Crumb, Detroit, Mich., assignor to Oliver United Filters Inc., San Francisco, Calif. Drying filter. 1,943,618; Jan. 16.
- Moore, Chester M., Wakefield, Mass. Shank piece and stiffener. 1,975,858; Oct. 9.
- Moore, Chester M., Wakefield, Mass. Shoe shank stiffener. 1,977,451; Oct. 16.
- Moore Company, The. (See Wunderlich, William E., assignor.)
- Moore Corporation, The. (See Gil, Irving, assignor.)
- Moore Corporation, Limited. (See Lawson, Albert R., assignor.)
- Moore, Daniel M., East Orange, N. J., assignor to General Electric Company. Gaseous discharge lamp. 1,971,916; Aug. 28.
- Moore, David P., Avon Park, Fla. Lamp filament. 1,955,856; Apr. 24.
- Moore, David P., Avon Park, Fla., assignor to W-R-M, Inc. Motion picture projector. Des. 91,530; Feb. 20.
- Moore Drop Forging Company. (See Collins, John M., assignor.)
- Moore Drop Forging Company. (See Morris, Albert W., assignor.)
- Moore, Edgar D., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric switch. 1,967,126; July 17.
- Moore, Edgar S., assignor, by mesne assignments, to Inventions Limited, Montreal, Canada. Trigger top and game. 1,959,635; May 22.
- Moore, Edmond E. (See Carter, E. B., and Moore.)
- Moore, Edmund L., Springfield, Mass. Treating ferns and product produced thereby. 1,962,667; June 12.
- Moore, Edmund W. (See Carter, A. T., and Moore.)
- Moore, Edward G., Glenside, assignor to L. Wolf, E. Wolf and H. A. Wolf, copartners trading as Wolf Brothers, Philadelphia, Pa. Envelope and blank therefor. 1,943,688; Jan. 16.
- Moore, Edwin E., Chicago, Ill. Floor plate. Des. 93,991; Dec. 4.
- Moore, Edwin E., Chicago, Ill. Floor plate. Des. 93,992; Dec. 4.
- Moore, F. E., Lumber Co. (See Neil, Joseph B., assignor.)
- Moore Fabric Company. (See Moore, John V., assignor.)
- Moore, Frank. (See Williams, E., and Moore.)
- Moore, Frank D. (See Lamb, L. W., and Moore.)
- Moore, Frank J. (See Houck, C. A., and Moore.)
- Moore, Frank W., Lennon, Mich. Liquid cooler. 1,973,291; Sept. 11.
- Moore, Frank W., Letchworth, England, assignor to The Spirella Company Inc., Niagara Falls, N. Y. Apparatus for demonstrating figure-molding garments. 1,971,826; Aug. 28.
- Moore, Frederick T., East Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Firing mechanism for machine guns. 1,966,592; July 17.
- Moore, Frederick T., East Hartford, and C. Pfeiffer, deceased, by Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., assignee. Reversible feed mechanism for machine guns. Re19,159; May 8.
- Moore, Frederick W., East Orange, N. J. Pile faced material and making the same. Re19,293; Aug. 28.
- Moore, George C., Company. (See Moore, Thomas F., assignor.)
- Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,956,726; May 1.
- Moore, Guy S., Salem, assignor of twenty-four per cent to F. H. Rowe, Gloucester, Mass. Electrical switch. 1,954,019; Apr. 10.
- Moore, Harold A. (See Geer, P. L., Moore, and Morton.)
- Moore, Harry W., Dayton, Ohio. Marking device. 1,944,259; Jan. 23.
- Moore, Hubert, Sewickley, Pa. Venetian blind. 1,949,653; Mar. 6.
- Moore, James. (See Souney, M. T., Tozko, and Moore.)
- Moore, James B., Cleveland Heights, assignor, by mesne assignments, to Insulated Steel Construction Company, trustee, Cleveland, Ohio. Metal building panel. 1,972,570; Sept. 4.
- Moore, James W., and V. C. Foster, assignors to American Cast Iron Pipe Company, Birmingham, Ala. Gasket construction. 1,960,750; May 29.
- Moore, Jay R., Oakmont, and E. K. Wallace, Pittsburgh, Pa., said Wallace assignor to said Moore. Treatment of fats to produce fatty acids. 1,967,319; July 24.
- Moore, John, Latrobe, Pa. Toilet apparatus. 1,948,182; Feb. 20.
- Moore, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Cathode circuit. 1,955,556; Apr. 17.
- Moore, John H., Detroit, Mich., assignor, by mesne assignments, to Andrew Ruen Hanger Co., Inc. Discharging mechanism on forming machines. 1,968,305; July 31.
- Moore, John H., Detroit, Mich., assignor, by mesne assignments, to Andrew Ruen Hanger Co. Inc. Garment hanger forming machine. 1,968,306; July 31.
- Moore, John H., Detroit, Mich., assignor, by mesne assignments, to Andrew Ruen Hanger Co. Inc. Feeding and clamping mechanism. 1,968,307; July 31.
- Moore, John L., Nashville, Tenn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-holder for article sewing machines. 1,978,351; Oct. 23.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Narrow elastic tape. Des. 93,567; Oct. 9.
- Moore, Joseph G. (See Sherwood, H. K. T., and Moore.)
- Moore, Joseph N., Portsmouth, Va. Glare shield. 1,960,450; May 29.
- Moore, Joseph R., Denver, Colo. Griddle greasing fork. 1,973,093; Sept. 11.
- Moore, Laurence D. (See Wilcox, Vance S., assignor.)

- Moore, Lawrence H., Wichita, Kans. Spray device. 1,981,704; Nov. 20.
- Moore, Leonard E., Durham, N. H. Shampooer. 1,964,855; July 3.
- Moore, Louis L., Brooklyn, assignor to The American Thread Company, New York, N. Y. Thread cop. 1,964,385; June 26.
- Moore, Marjorie B., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Allergen solution. 1,977,803; Oct. 23.
- Moore, Matthew S., Malvern, assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Coal cutting machine and the like. 1,980,629; Nov. 13.
- Moore, Melvin W. (See Morehouse, E., and Moore.)
- Moore, Ninian R., Du Bois, Pa. Nestable stand. 1,958,834; May 15.
- Moore, Ninian R., Du Bois, Pa. Kitchen cabinet. 1,985,189; Dec. 18.
- Moore Pen Co., The. (See Lovejoy, Charles K., assignor.)
- Moore, Percy S., et al. (See Smith, Warner A., assignor.)
- Moore Push-Pin Co. (See Schlosser, Henry W., assignor.)
- Moore, Ralph, Benton Harbor, Mich. Lingerie strap holder. 1,966,867; July 17.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,945,155; Jan. 30.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,945,156; Jan. 30.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,945,157; Jan. 30.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,945,158; Jan. 30.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,950,686; Mar. 13.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,950,687; Mar. 13.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,955,434; Apr. 17.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,955,435; Apr. 17.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,965,047; July 3.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,967,587; July 24.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,968,612; July 31.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Antirattle dovetail for doors. 1,968,613; July 31.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,974,621; Sept. 25.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,974,622; Sept. 25.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,974,623; Sept. 25.
- Moore, Raymond G., Bridgeport, and A. Claud-Mantle, Trumbull, assignors to The Bassick Company, Bridgeport, Conn. Hood catch. 1,966,806; July 10.
- Moore, Richard C., assignor to The Coe Manufacturing Company, Painesville, Ohio. Feeder. 1,949,281; Feb. 27.
- Moore, Robert H. (See Johnson, H. W. A., and Moore.)
- Moore, Robert H., and J. Pedery, New York, N. Y. Tobacco pipe. 1,965,107; July 3.
- Moore, Robert S., Silver Spring, Md., assignor to General Airmotors Company, Scranton, Pa. Valve mechanism for internal combustion engines. 1,965,466; July 3.
- Moore, Roscoe, Kingston, Pa. Braking apparatus. 1,944,102; Jan. 16.
- Moore, Sidney A. (See Lehnert, E. J., and Moore.)
- Moore, Sidney C. (See Nunes, Alvin E., assignor.)
- Moore, Thomas E., assignor to The Ransom and Randolph Company, Toledo, Ohio. Dental bur holder. 1,973,222; Sept. 11.
- Moore, Thomas F., Morris Plains, N. J. Method of and apparatus for sinking pipes or well holes in the ground. 1,959,174; May 15.
- Moore, Thomas F., assignor to George C. Moore Company, Westerly, R. I. Elastic fabric. 1,965,248; July 3.
- Moore, Thomas F., assignor to George C. Moore Company, Westerly, R. I. Buttonhole fabric. 1,977,137; Oct. 16.
- Moore, Wallace E., assignor to The American Hardwood Corporation, New Britain, Conn. Door closer and check. 1,965,108; July 3.
- Moore, William A., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber and the like. 1,958,924; May 15.
- Moore, William D., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Pipe packing. 1,953,011; May 8.
- Moore, William D., and W. Morgan, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Centrifugal casting machine and method. 1,958,672; May 15.
- Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Electric furnace. 1,947,612; Feb. 20.
- Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Method and apparatus for treating shop turnings. 1,963,712; June 19.
- Moore, William E., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen feed. 1,950,364; Mar. 6.
- Moore, William F., Bayside, assignor to The Texas Company, New York, N. Y. Distilling oils. Re19,104; Mar. 6.
- Moore, William F., Jackson Heights, assignor to The Texas Company, New York, N. Y. Process and apparatus for cracking oils. 1,985,053; Dec. 18.
- Moore, William W., Vancouver, British Columbia, Canada. Paper liner for boxes. 1,967,535; July 24.
- Moorhead, Albert E., assignor to Moorhead Development Co., Inc., Oakland, Calif. Floor polishing material. 1,947,135; Feb. 13.
- Moorhead, Albert E., assignor to Moorhead Development Co., Inc., Oakland, Calif. Floor cleaning device. 1,947,136; Feb. 13.
- Moorhead, Arthur H., assignor to The Locomotive Finished Material Company, Atchison, Kans. Return bend. 1,981,061; Nov. 20.
- Moorhead Development Co. (See Moorhead, Albert E., assignor.)
- Moorhouse, Alfred, Detroit, Mich. Balanced V-type multicylinder motor. 1,966,183; July 10.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,942,182; Jan. 2.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle transmission. 1,946,871; Feb. 13.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,954,090; Apr. 10.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,957,793; May 8.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,972,943; Sept. 11.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,978,908; Oct. 30.
- Moorman, Albert S., New York, N. Y. Golf game board or similar article. Des. 93,282; Sept. 11.
- Moorman, Charles L., Chicago, Ill. Table. 1,941,483; Jan. 2.
- Moorman, Charles L., Chicago, assignor to Wepsco Steel Products Co., Blue Island, Ill. Starch tray. 1,947,055; Feb. 13.
- Moorman, Charles L., and T. H. Davis, assignors to Wepsco Steel Products Co., Chicago, Ill. Truck. 1,956,245; Apr. 24.
- Moorman, Hamilton C., Sumner, Ill. Automatic non-freezable live stock waterer. 1,977,346; Oct. 16.
- Moorman Manufacturing Company. (See Pfeiffer, Grover F., assignor.)
- Moorshead, Thomas C., assignor to The United Glass Bottle Manufacturers Limited, Strand, London, England. Feeding raw material to glass melting furnaces. 1,953,427; Apr. 3.
- Moorshead, Thomas C., and F. A. Hurlbut, assignors to The United Glass Bottle Manufacturers Limited, Strand, London, England. Leer, annealing furnace, or like apparatus. 1,965,350; July 3.
- Moorshead, William A., Strand, London, assignor to The United Glass Bottle Manufacturers Limited, London, England. Heat control system for furnaces and the like. 1,960,162; May 22.
- Moos, Frank, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Mercury switch. 1,951,161; Mar. 13.
- Moos, Frank, Jersey City, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Time delay mercury switch. 1,951,162; Mar. 13.
- Moos, Frank, Jersey City, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Fluid flow switch and making the same. 1,984,419; Dec. 18.
- Moos, Paul, Zug, Switzerland, assignor to Landis & Gyr, A-G. Coin control mechanism. 1,969,025; Aug. 7.
- Moose, Joe E., Anniston, Ala., assignor to Swann Research, Incorporated. Manufacture of hydroxydiphenyls. 1,979,116; Oct. 30.
- Moose, Joe E., and W. N. Pritchard, Anniston, Ala., assignors to Swann Research, Inc. Production of diphenyl. 1,968,154; July 31.
- Morack, Marvin M. (See Sabbah, C. A., and Morack.)
- Morack, Marvin M., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 1,954,680; Apr. 10.
- Morack, Marvin M., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 1,967,896; July 24.
- Morales, Caleb A., Tuckahoe, assignor to Mormye, Inc., New York, N. Y. Carrier. 1,963,333; June 19.
- Morali, Charles, Forest Hills, N. Y. Shoe. Des. 92,620; June 26.
- Morali, Charles, Forest Hills, N. Y. Shoe. Des. 92,865; July 24.
- Morali, Charles, Forest Hills, N. Y. Shoe. Des. 92,919; July 31.
- Morali, Charles, Forest Hills, N. Y. Shoe. Des. 92,920; July 31.
- Morali, Charles, Forest Hills, N. Y. Shoe. Des. 93,417; Sept. 25.
- Morali, Charles, Forest Hills, N. Y. Shoe ornamentation. 1,977,995; Oct. 23.
- Morali, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,532; Feb. 20.
- Morali, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,533; Feb. 20.
- Morali, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,534; Feb. 20.
- Morali, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,535; Feb. 20.

- Morali, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 94,041; Dec. 11.
- Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 91,531; Feb. 20.
- Moran, Arthur B., Baltimore, Md. Traction splint. 1,976,244; Oct. 9.
- Moran, Daniel E., Mendham, N. J. Storage of gasoline and the like. 1,958,487; May 15.
- Moran, Daniel E., Mendham, N. J. Sinking pier, caisson, and the like. 1,971,046; Aug. 21.
- Moran, Daniel J., and E. O. Bennett, assignors to Continental Oil Company, Ponca City, Okla. Pump assembly. 1,968,566; July 31.
- Moran, Henry E., St. Paul, Minn. Track for show case doors. 1,956,651; May 1.
- Moran, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Internal spray nozzle. 1,979,006; Oct. 30.
- Moran, Matthew F., Kansas City, Mo. Filter screen wiper. 1,959,491; May 22.
- Moran, William G., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Vapor electric device. 1,945,749; Feb. 6.
- Moran, William G., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Trigger tube. 1,956,396; Apr. 24.
- Moran, William J., New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,975,728; Oct. 2.
- Morand, Edmund E. (See Smith, S. G., and Morand.)
- Moranville, Herman. (See Senik, J., and Moranville.)
- Morath, Eugene G., Long Beach, Calif. Novelty cigarette container. 1,973,221; Sept. 11.
- Moratz, Paul O., Bloomington, Ill. Flooring strip and joint. 1,953,306; Apr. 3.
- Moravec, Richard Z. (See Engs, W., and Moravec.)
- Moreau, Edward E., Chicago, Ill. Combination necktie rack and press. Des. 93,840; Nov. 13.
- Moree, Kinsel E., assignor to The Massey-Harris Co., Racine, Wis. Tractor. 1,953,360; Apr. 3.
- Morehead, Harry F., Alameda, Calif. Loose leaf binder. 1,942,564; Jan. 9.
- Morehouse, Cyrus E., Clifton Heights, assignor to National Publishing Company, Philadelphia, Pa. Loose leaf binder. 1,978,352; Oct. 23.
- Morehouse, Cyrus E., Clifton Heights, assignor to National Publishing Company, Philadelphia, Pa. Loose leaf binder. 1,984,314; Dec. 11.
- Morehouse, Eugene, Providence, and M. W. Moore, East Providence, R. I., assignors to B. A. Ballou & Co. Inc. Clip. 1,967,965; July 24.
- Morehouse, Silas A., Albuquerque, N. Mex. Razor blade lubricator. 1,978,716; Oct. 30.
- Moreins, Morris, Newark, N. J. Safety switch cabinet. 1,984,075; Dec. 11.
- Moreira, Salvador, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Welding die. 1,963,062; June 19.
- Morel, Cornelis H. (See Osterhuis, E., and Morel.)
- Morel, Jacques, assignor to Compagnie Generale de Telegraphie sans Fil, Paris, France. Radio transmitter. 1,977,397; Oct. 16.
- Moreland, Stephen T., assignor to The Timken Roller Bearing Company, Canton, Ohio. Attachment for rolling mills. 1,972,158; Sept. 4.
- Morell, Pascal J., assignor to The American Brass Company, Waterbury, Conn. Zinc base alloy. 1,945,288; Jan. 30.
- Moreno, Francisco de P. (See Lamar, H., and Moreno, assignors.)
- Moreno, Gabriel G., Los Angeles, Calif. Film magazine and carrier for the same. 1,954,255; Apr. 10.
- Moreno, Gabriel G., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif. Motion picture optical system and apparatus. 1,943,689; Jan. 16.
- Moreno, Gabriel G., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif. Film gate. 1,945,909; Feb. 6.
- Moreno, Gabriel G., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif. Film magazine. 1,957,974; May 8.
- Moreno, Gabriel G., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif. Viewing and focusing device for cameras. 1,962,321; June 12.
- Moreno, Gabriel G., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif. Light control for cameras. 1,966,803; July 17.
- Moreno, Gabriel G., assignor to Moreno-Snyder Cine Corporation, Ltd., Los Angeles, Calif. Light gauging apparatus. 1,980,217; Nov. 13.
- Moreno, Juan D., and V. F. de la Vega, Madrid, Spain. Hand grenade. 1,975,014; Sept. 25.
- Moreno-Snyder Cine Corporation. (See Moreno, Gabriel G., assignor.)
- Moreno-Snyder Cine Corporation, Ltd. (See Moreno, Gabriel G., assignor.)
- Moreu, Juan B., and L. B., Barcelona, Spain. Flat frame knitting machine. 1,971,079; Aug. 21.
- Moreu, Luis B. (See Moreno, Juan B. and L. B.)
- Morey, Edwin, and R. H. Stimpson, Nashua, N. H., assignors, by mesne assignments, to F. L. Emery, Boston, Mass., G. H. Emery, executrix of said F. L. Emery, deceased. Packaging machine. 1,943,770; Jan. 16.
- Morey, George W., Chevy Chase, Md., assignor to Philadelphia Quartz Company, Philadelphia, Pa. Sodium-sesquioxide and forming the same. 1,948,730; Feb. 27.
- Morey, Lloyd W. (See Buck, E. A., and Morey.)
- Morey, Worthie W., Columbus, Ohio. Shade supporting structure. 1,962,403; June 12.
- Morgan, Archibald J., assignor to John A. Roebling's Sons Company, Trenton, N. J. Machine for making wire rope. 1,961,379; June 5.
- Morgan, Archibald J., assignor to John A. Roebling's Sons Company, Trenton, N. J. Rope sling. 1,970,617; Aug. 21.
- Morgan, Avigdor M. (See Slaton, L. R., and Morgan.)
- Morgan, Charles W., Chicago, Ill., and H. M. Kahn, Appleton, Wis. Toy. 1,980,076; Nov. 6.
- Morgan Construction Company. (See Allen, Marshall S., assignor.)
- Morgan Construction Company. (See George, Jerome R., assignor.)
- Morgan Construction Company. (See Merkt, Gustav A., assignor.)
- Morgan Construction Company. (See Quinn, Edward J., assignor.)
- Morgan, David H., assignor to Truscon Steel Company, Youngstown, Ohio. Door structure and operating means therefor. 1,947,422; Feb. 13.
- Morgan, Edmund C., by O. E. Morgan, executrix, New York, N. Y., assignor to American Morgan Company. Mine car loading apparatus. 1,944,993; Jan. 30.
- Morgan, Edmund C., deceased; O. E. Morgan, executrix, New York, N. Y., assignor to American Morgan Company. Mining coal. 1,953,326; Apr. 3.
- Morgan, Edmund C., deceased; O. E. Morgan, New York, N. Y., executrix, assignor to American Morgan Company. Mining coal. 1,953,327; Apr. 3.
- Morgan, Edmund C., deceased, Chicago, Ill., O. E. Morgan, executrix, assignor to American Morgan Company. Apparatus for mining coal. 1,953,325; Apr. 3.
- Morgan, Erving B., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 1,979,562; Nov. 6.
- Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Chair seat. 1,979,563; Nov. 6.
- Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Desk. 1,979,564; Nov. 6.
- Morgan, Everette H., Oak Park, Ill. Filter. 1,958,279; May 8.
- Morgan, Everette K., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Hydraulic machine tool. 1,973,150; Sept. 11.
- Morgan, Frank I., Holtwood, Pa. Electrical governor. 1,948,591; Feb. 27.
- Morgan, Guy, assignor to The Warford Corporation, New York, N. Y. Drive for motor vehicles. 1,956,583; May 1.
- Morgan, Guy, assignor to The Warford Corporation, New York, N. Y. Combined hitching and power take-off mechanism. 1,965,985; July 10.
- Morgan, Henry W., Brighton, assignor to Morgan Machine Company, Inc., Rochester, N. Y. Method and machine for driving nails. 1,955,467; Apr. 17.
- Morgan, Hite B., Brooklyn, N. Y. Metal threaded handle. 1,965,986; July 10.
- Morgan, John C., Los Angeles, Calif. Attachment for screw drivers. 1,977,323; Oct. 16.
- Morgan, John D., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Gas analyzing process and apparatus. 1,947,303; Feb. 13.
- Morgan, John R. (See Klein, C. J., and Morgan.)
- Morgan, John S., Jr. (See Rice, A. E., and Morgan.)
- Morgan, John S., Jr., Inglewood, and A. E. Rice, Hermosa Beach, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Two speed rotary machine. 1,963,332; June 19.
- Morgan, John T., Columbus, Ohio. Waterless cooking utensil. 1,948,124; Feb. 20.
- Morgan, John T., Charleston, W. Va. Welding spllcer. 1,952,561; Mar. 27.
- Morgan, John T., Charleston, W. Va. Welding clamp for electrical conductors. 1,952,562; Mar. 27.
- Morgan, John W. (See Artrip, William F., assignor.)
- Morgan, Josiah D., Fresno, Calif. Box dumping device. 1,967,719; July 24.
- Morgan, Leich F., Springfield, Mass. Water heater. 1,980,424; Nov. 13.
- Morgan, Leigh F., Springfield, Mass. Water heater. 1,980,425; Nov. 13.
- Morgan Machine Company. (See Morgan, Henry W., assignor.)
- Morgan, Mary E., et al. (See Kreitz, Forrest M., assignor.)
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automotive axle. 1,946,093; Feb. 6.
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake. 1,975,553; Oct. 2.
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Two speed gearing. 1,976,887; Oct. 16.
- Morgan, Merton W., assignor to Poole Engineering and Machine Company, Baltimore, Md. Flexible shaft coupling. 1,961,426; June 5.
- Morgan, Olive E., executrix. (See Morgan, Edmund C.)

- Morgan, Porter S., Darien, Conn., assignor to J. B. Russell, New York, N. Y., J. B. Russell, Jr., and J. E. Russell, also known as J. B. Russell, executors of said J. B. Russell, deceased. Pump. 1,942,441; Jan. 9.
- Morgan, Porter S., Norwalk, Conn., assignor, by mesne assignments, to Liberty Share Corporation, Buffalo, N. Y. Fluid meter. 1,952,882; Mar. 27.
- Morgan, Porter S., Norwalk, Conn., assignor, by mesne assignments, to Liberty Share Corporation, Buffalo, N. Y. Vernier for meter recording mechanism. 1,976,407; Oct. 9.
- Morgan, Porter S., Norwalk, Conn., assignor, by mesne assignments, to Liberty Share Corporation, Buffalo, N. Y. Liquid pump. 1,981,965; Nov. 27.
- Morgan, Rees C., Bethlehem, Pa., assignor to Bethlehem Steel Company. Boring machine. 1,973,886; Sept. 11.
- Morgan, Swiney. (See Fleer, H. H. and Morgan.)
- Morgan, Thomas, et al. (See Kreitz, Forrest M., assignor.)
- Morgan, Walter. (See Moore, W. D., and Morgan.)
- Morgan, Walter E., assignor to Dayton Veneer & Lumber Mills, Dayton, Tenn. Basket. 1,978,384; Oct. 23.
- Morgan, Walter E., assignor to Dayton Veneer & Lumber Mills, Dayton, Tenn. Retainer for basket covers. 1,983,479; Dec. 4.
- Morgan, William C., Jr. (See Oldberg, V., and Morgan.)
- Morgan, William M., Tulsa, Okla., assignor to The Carbondale Machine Co., Carbondale, Pa. Cooling apparatus. 1,983,301; Dec. 4.
- Morgan, William O., Kalamazoo, Mich., assignor to Remington Rand Inc., Buffalo, N. Y. Loose leaf binder. 1,973,497; Sept. 11.
- Morgan, William P., Marion County, assignor to Elder and Elder Nurseries, Indianapolis, Ind. Freesia. Pl. Pt. 98; May 22.
- Morgan, William R., Kenosha, Wis. Automatic paper pulp regulator. 1,966,638; July 17.
- Morgan & Wright. (See Abbott, Adrian O., Jr., assignor.)
- Morgan & Wright. (See Abbott, A. O., Jr., and McNeill, assignors.)
- Morgan & Wright. (See Cadwell, Sidney M., assignor.)
- Morgan & Wright. (See Christopherson, William G., assignor.)
- Morgan & Wright. (See Foster, Boutwell H., assignor.)
- Morgan & Wright. (See Gerke, Roscoe H., assignor.)
- Morgan & Wright. (See Hopkins, Ernest, assignor.)
- Morgan & Wright. (See McNeill, George K., assignor.)
- Morgan & Wright. (See Ostling, C. A., and McEwan, assignors.)
- Morgan & Wright. (See Thatcher, Sheldon P., assignor.)
- Morgan's, Enoch, Sons Co. (See Brooker, William F. C., assignor.)
- Morgantown Glass Works. (See Dougherty, George, assignor.)
- Morgen, Ralph A. (See Raymond, G., Morgen, and Fair.)
- Morgen, Ralph A., Kansas City, Mo. Dry-cleaning process. 1,979,399; Nov. 6.
- Morgensen, Otto, Jr., assignor to E. R. Hawke, Modesto, Calif. Airplane spray equipment. 1,957,075; May 1.
- Morgenstern, Charles E., assignor to Robbins & Myers, Inc., Springfield, Ohio. Safety device. 1,979,839; Nov. 6.
- Morgenstern, Oscar A., assignor to Teletype Corporation, Chicago, Ill. Electromagnetic device. 1,964,268; June 26.
- Morgenstern, Ronald V. (See Haglund, H. H., and Morgenstern.)
- Morhan, John D. (See Voigt, A. P. J., Morban, and Herbelin.)
- Morhard, Friedrich, Russelsheim-on-the-Main, Germany. Variable-speed electric motor. 1,977,950; Oct. 23.
- Morhous, Vernon A., Comstock, N. Y. Ash can cover. 1,984,228; Dec. 11.
- Moriarty, George J., Chicago, Ill. Garment support. 1,870,052; Aug. 14.
- Morier, Henry, Plainville, Conn. Motor vehicle safety brake. 1,971,655; Aug. 28.
- Morimura Bros. Inc. (See Buma, Yukio, assignor.)
- Morin, Louis H., assignor, by mesne assignments, to S. Sternau & Co., Inc., New York, N. Y. Inhaler. Des. 91,837; Mar. 27.
- Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Core pulling and ejecting mechanism. 1,941,811; Jan. 2.
- Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Die Casting Co. Protective means for coin controlled apparatus. 1,945,948; Feb. 6.
- Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Die-casting machine. 1,948,992; Feb. 27.
- Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Die-casting machine. 1,958,199; May 8.
- Morin, Louis H., and D. Marinsky, Bronx, assignors to Whitehall Patents Corporation, New York, N. Y. Casting machine. 1,975,966; Oct. 9.
- Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, New York, N. Y. Molding or decasting predetermined articles of manufacture. 1,983,558; Dec. 11.
- Morin, Paul, St. Hyacinthe, Quebec, assignor of one-half to H. Lauzon, Valleyfield, Quebec, Canada. Retractor. 1,963,173; June 19.
- Morine, Charles V., Wahiawa, Honolulu, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Pineapple stump chopper. 1,968,417; July 31.
- Morison, Alan M., and W. J. Leonard, Morpeth, England. Apparatus for discharging coal and other materials. 1,951,703; Mar. 20.
- Morisseau, Jacques H., Paris, France. Emptying device for bathing-tubs or the like. 1,980,493; Nov. 13.
- Moritz, Adrian J. L., Buncombe County, assignor to American Enka Corporation, Enka, N. C. Yarn package and mode of making same. 1,967,252; July 24.
- Moritz, Adrian J. L., Buncombe County, assignor to American Enka Corporation, Enka, N. C. Method and apparatus for spooling artificial silk. 1,979,898; Nov. 6.
- Moritz, Adrianus J. L., Buncombe County, assignor to American Enka Corporation, Enka, N. C. Oiling textile threads. 1,965,987; July 10.
- Moritz, Daniel A. (See Cold, M. G., and Moritz.)
- Moritz, John A., Crawfordsville, Ind. Fence wire fastener. 1,971,047; Aug. 21.
- Moriya, Saburo M., Arden, Del. Coffee bag. 1,983,142; Dec. 4.
- Mork, Harry S., Brookline, Mass. Cellulosic composition. 1,979,986; Nov. 6.
- Mork, Harry S., Brookline, Mass., assignor to The Delaware, Lackawanna & Western Coal Company, New York, N. Y. Imparting a multicolored effect to coal. 1,952,180; Mar. 27.
- Morken, Edward F., Fort Wayne, Ind. Garment renovating apparatus. 1,976,453; Oct. 9.
- Morkert, Walter A. (See Hall, D. F., and Morkert.)
- Morkovski, James. (See Graham, W. S., and Morkovski.)
- Morkovski, James, Canton, Ill., assignor to International Harvester Company. Release hitch for tractors. 1,974,142; Sept. 18.
- Morkovski, James, Canton, Ill., assignor to International Harvester Company. Tractor beet harvester. 1,977,523; Oct. 16.
- Morley, Earl M., Delta, assignor, by mesne assignments, to H. Haudenschild, Toledo, Ohio. Air service dispensing device. 1,955,595; Apr. 17.
- Morley, Earl M., Delta, assignor, by mesne assignments, to H. Haudenschild, Toledo, Ohio. Air service reel device. 1,968,308; July 31.
- Morlock, John C., Belmar, N. J. Holder. 1,952,385; Mar. 27.
- Mormye, Inc. (See Morales, Caleb A., assignor.)
- Moroney, Carl J., and S. C. Meredith, San Mateo, and K. A. Meserole, Burlingame, Calif., assignors to J. D. & A. B. Spreckels Investment Company. Apparatus for molding materials. 1,953,942; Dec. 11.
- Moross, William P. D., Chattanooga, Tenn., assignor to American Cement Paint Co., Rossville, Ga. Dry powder cement paint preparation. 1,978,141; Oct. 23.
- Morrall, Samuel E. (See Morrall, William W., assignor.)
- Morrall, William W., assignor of one-half to S. E. Morrall, Morrall, Ohio. Green corn husking machine. 1,963,141; June 19.
- Morreale, Vincent, Brooklyn, N. Y. Terrazzo strip. 1,952,135; Mar. 27.
- Morrell, Benjamin, et al. (See Fink, Albert, assignor.)
- Morrell, Jacques C. (See Egloff, G., and Morrell.)
- Morrell, Jacques C., Oak Park, Ill. Producing activated carbon. 1,968,845; Aug. 7.
- Morrell, Jacques C., Oak Park, Ill. Process of making structural adsorptive carbon and product. 1,968,846; Aug. 7.
- Morrell, Jacques C., Oak Park, Ill. Structural adsorptive carbon and making same. 1,968,847; Aug. 7.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,946,096; Feb. 6.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 1,949,486; Mar. 6.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Refining of cracked hydrocarbon oils. 1,949,756; Mar. 6.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Refining treatment of hydrocarbon oils. 1,950,739; Mar. 13.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of coal tar acids. 1,954,091; Apr. 10.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,954,487; Apr. 10.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,954,488; Apr. 10.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Refining of petroleum oil. 1,954,886; Apr. 17.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,954,887; Apr. 17.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,962,204; June 12.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,963,555; June 19.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,963,556; June 19.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,966,455; July 17.

- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,966,639; July 17.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Cracking of hydrocarbon oils. 1,966,640; July 17.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Refining cracked distillates. 1,967,172; July 17.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Sweetening hydrocarbon distillates. 1,968,089; July 31.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,969,316; Aug. 7.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,969,818; Aug. 14.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils and coal. 1,972,944; Sept. 11.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,973,499; Sept. 11.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,973,500; Sept. 11.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Coking of oil. 1,980,218; Nov. 13.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,946,094; Feb. 6.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,946,095; Feb. 6.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,947,868; Feb. 20.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,947,869; Feb. 20.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,954,486; Apr. 10.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,957,794; May 8.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,967,173; July 17.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,973,498; Sept. 11.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,979,565; Nov. 6.
- Morrell, Michael, Brooklyn, assignor to M. Morrell, E. J. Carlucci and A. H. Robbins, New York, N. Y. Silk thread oil for silk coning machines. 1,953,863; Apr. 3.
- Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,952,770; Mar. 27.
- Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole marking machine. 1,966,076; July 10.
- Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe supporting jack. 1,968,256; July 31.
- Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,971,575; Aug. 28.
- Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,981,062; Nov. 20.
- Morrill, Leslie A., and G. E. Webster, Bradford, assignors to Morrill and Webster Inc., Haverhill, Mass. Shoe or article of analogous nature. Des. 92,866; July 24.
- Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. One pole motor. 1,947,163; Feb. 13.
- Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Adjustable speed motor. 1,961,776; June 5.
- Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Variable speed single phase motor. 1,966,212; July 10.
- Morrill and Webster Inc. (See Morrill, L. A., and Webster, assignors.)
- Morrill, Weston, Pittsfield, Mass., assignor to General Electric Company. Preventing "aging" in silicon steel sheets. 1,964,475; June 26.
- Morriones, Teresa, et al. (See North, Francis C., assignor.)
- Morris, Albert M. (See Hillebrand, W. A., and Morris.)
- Morris, Albert W., Philadelphia, Pa., assignor to G. E. Coblenz, New York, N. Y. Mechanism for and improved method of forming pulp articles. 1,955,249; Apr. 17.
- Morris, Albert W., assignor to Moore Drop Forging Company, Springfield, Mass. Making a casting of different metals. 1,958,109; May 8.
- Morris, Ballard N., Silver Spring, Md. Shaft rotating means for internal combustion engines. 1,982,394; Nov. 27.
- Morris, Ballard N., Silver Spring, Md. Shaft rotating means. 1,982,395; Nov. 27.
- Morris, George A., St. Louis, Mo. Tire valve cap. 1,946,806; Feb. 13.
- Morris, Granville, et al. (See Morris, William, assignor.)
- Morris, Harry. (See Felmann, Henri, assignor.)
- Morris, Henry G., and G. C. Allen, Kansas City, Kans., assignors of one-fourth to V. de Backer, Kansas City, Mo. Brake drum grinding machine. 1,973,264; Sept. 11.
- Morris, Herbert, et al. (See Morris, William, assignor.)
- Morris, Howard I., Lakewood, assignor to The Yoder-Morris Company, Cleveland, Ohio. Motor and system of controlling the same. 1,951,835; Mar. 20.
- Morris, Howard I., Lakewood, assignor to The Yoder-Morris Company, Cleveland, Ohio. Door. 1,954,825; Apr. 17.
- Morris, Howard I., assignor to The Yoder-Morris Company, Cleveland, Ohio. Power mechanism and cut-out device. 1,959,292; May 15.
- Morris, I. F., and De La Vergne, Inc. (See Kerr, Samuel L., assignor.)
- Morris, I. F., and De La Vergne, Inc. (See Spellman, Charles B., assignor.)
- Morris, Ira A., Liberty, Tex. Flow line. 1,956,157; Apr. 24.
- Morris, Ira A., Houston, Tex. Flow controlling mechanism. 1,958,545; May 15.
- Morris, James E., Flat River, Mo. Universal electric plug or connector. 1,953,864; Apr. 3.
- Morris, John, Youngwood, assignor to Robertshaw Thermostat Company, Pittsburgh, Pa. Locking device. 1,981,705; Nov. 20.
- Morris, Joseph S., Bruni, Tex. Pressure release for sand testing tools. 1,980,219; Nov. 13.
- Morris, Leon P. (See Totman, F. B., and Morris.)
- Morris Paper Mills. (See Leopold, S. N., and Powell, assignors.)
- Morris Paper Mills. (See Wilson, Allen B., assignor.)
- Morris, Paul L., Pottstown, Pa. Spring tooth for peanut pickers. 1,974,342; Sept. 18.
- Morris, Paul R. (See Geisthar, F., and Morris.)
- Morris, Paul R., Tarentum, Pa., assignor to Duplate Corporation. Laminated glass and making the same. 1,974,624; Sept. 25.
- Morris, Roy K., Charleston, W. Va. Apparatus for cryptographically transposing characters. 1,953,829; Apr. 3.
- Morris, Theodore H., Wayne, Pa. Aggregate treating apparatus. 1,984,315; Dec. 11.
- Morris, Thomas C. (See Schur, M. O., Hoos, and Morris.)
- Morris, Thomas F., Jr., executor, et al. (See Miller, Henry C.)
- Morris, Thomas L., Van Nuys, and W. A. Grant, assignors to Grademore Corporation, Ltd., Los Angeles, Calif. Gate type rotary pump. 1,946,097; Feb. 6.
- Morris, Thomas W., Chicago, Ill. Trimming machine. 1,977,804; Oct. 23.
- Morris, William, assignor of one-third to H. Morris and one-third to G. Morris, Burnley, England. Seating arrangement for motor vehicles. 1,965,048; July 3.
- Morris, William J., Centerville Station, Ill. Fastening device. 1,969,026; Aug. 7.
- Morris, William L., Wilmette, Ill., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,951,504; Mar. 20.
- Morris, William L., Chicago, Ill., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. Lubricant nipple. 1,962,254; June 12.
- Morris, William L., Chicago, Ill., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. High pressure lubricating system. 1,976,957; Oct. 16.
- Morrisey, Thomas S., Montreal, Quebec, Canada. Coin control mechanism. 1,983,480; Dec. 4.
- Morrish, Charles B., Philadelphia, and W. H. Rex, Jr., Willow Grove, Pa., assignors to Link-Belt Company, Chicago, Ill. Lubricating mechanism. 1,984,148; Dec. 11.
- Morrison Bros. (See Glab, William N., assignor.)
- Morrison, Charles R., Cleveland, Ohio. Dial test indicator attachment. 1,960,751; May 29.
- Morrison, Clyde W. (See Morrison, Frank B., assignor.)
- Morrison, Cornelius, Glasgow, Ky. Churn dasher. 1,954,143; Apr. 10.
- Morrison, Earl. (See Cole, C. E., Morrison, and Sigbee.)
- Morrison, Frank B., assignor to C. W. Morrison, Marion, Ohio. Soap holding device. 1,970,015; Aug. 14.
- Morrison, George D., Santa Barbara, Calif. Sectional wall and erecting it. 1,943,800; Jan. 16.
- Morrison, George O. (See Skirrow, F. W., and Morrison.)
- Morrison, Jacob, assignor to Morrison Steel Products Inc., Buffalo, N. Y. Hinged closure. 1,984,077; Dec. 11.
- Morrison, Jared P., Wethersfield, assignor to The Hartford Steam Boiler Inspection and Insurance Company, Hartford, Conn. Instrument for discovering and recording defects in metal plates. 1,947,729; Feb. 20.
- Morrison, John A., Warren, Ohio. Double-lift single-screw jack. 1,974,687; Sept. 25.
- Morrison, John C. (See Montgomery, T., and Morrison, assignors.)
- Morrison, Louis A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph reproducer. 1,947,164; Feb. 13.
- Morrison, Luther E., New York, N. Y., and F. C. Frolander, Elizabeth, N. J., assignors to Mergenthaler Linotype Company, Slig casting machine. 1,971,424; Aug. 28.
- Morrison, Marjorie H., and E. H. Nollau, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose nitrate compositions and solvent mixtures therefor. 1,962,151; June 12.

- Morrison, Montford, Long Island City, N. Y. Sound wave producing device. 1,946,098; Feb. 6.
- Morrison, Montford, Montclair, N. J. Transformer apparatus. 1,973,010; Sept. 11.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Discharge tube stabilizer system. 1,945,751; Feb. 6.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Two color stereoscopic device. 1,950,033; Mar. 6.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Bucky grid for secondary radiation. 1,950,035; Mar. 6.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Excitation of X-ray tubes. 1,961,702; June 5.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Stabilizer system. 1,961,703; June 5.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Simplified means and method for simultaneously controlling the voltage and current in an X-ray tube. 1,965,249; July 3.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Shockproof X-ray apparatus. 1,968,051; July 31.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Method and apparatus for controlling X-ray intensity. 1,972,159; Sept. 4.
- Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Coronaless shockproof unit. 1,982,825; Dec. 4.
- Morrison, Montford, Montclair, N. J., assignor, by mesne assignments, to Westinghouse X-Ray Company, Inc. Transformer and transformer device. 1,984,277; Dec. 11.
- Morrison, Montford, Chicago, Ill. High frequency circuit selector. 1,977,398; Oct. 16.
- Morrison, Montford, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Lamp Company. Luminous discharge device. 1,945,750; Feb. 6.
- Morrison, Noah E., Lititz, Pa. Method of and apparatus for finishing rubber rolls. 1,978,275; Oct. 23.
- Morrison, Otho L., and C. H. Sweney, Kalamazoo, Mich. Sanding device for motor vehicles. 1,955,307; Apr. 17.
- Morrison, Paul R., Ontario, Calif. Constant velocity universal joint. 1,965,853; July 10.
- Morrison, Robert C., Chattanooga, Tenn. Cable clamp. 1,962,964; June 12.
- Morrison, Robert F., Yonkers, assignor to The International Pavement Company, New York, N. Y. Engine for operating presses. 1,975,369; Oct. 2.
- Morrison, Robert F., Yonkers, assignor to The International Pavement Company, New York, N. Y. Engine for operating presses. 1,975,370; Oct. 2.
- Morrison, Robert J., Cherryville, N. C. Vending machine. 1,963,443; June 19.
- Morrison, Robert T., and R. J. Croft, Le Roy, N. Y. Sewer trap. 1,943,690; Jan. 16.
- Morrison, Simon, New York, N. Y. Locking device. 1,957,662; May 8.
- Morrison, Simon, New York, N. Y. Lip stick holder or the like. 1,969,027; Aug. 7.
- Morrison, Simon, New York, N. Y. Lip stick holder or the like. 1,978,909; Oct. 30.
- Morrison Steel Products Inc. (See Morrison, Jacob, assignor.)
- Morrison, Thomas P., Blackwell, Okla. Furnace retort cleaning machine. 1,970,053; Aug. 14.
- Morrison, Willard L., Chicago, Ill. Automobile door. 1,962,965; June 12.
- Morrison, Willard L., Chicago, Ill. Air deflector for automobiles. 1,962,966; June 12.
- Morrison, Willard L., Chicago, Ill. Stabilizing device for passengers in automobiles. 1,973,011; Sept. 11.
- Morrison, William J., Lakewood, and G. C. Spicer, Lyndhurst Village, assignors to The Cleveland Company, Cleveland, Ohio. Auxiliary color fountain for web printing presses. 1,983,987; Dec. 11.
- Morrisroe, Patrick J., Youngstown, Ohio. Waterproof shipping package. 1,983,868; Dec. 11.
- Morrissey, Thomas M., Dunkirk, N. Y. Garbage can. 1,975,554; Oct. 2.
- Morro, Norman A., Remuera, Auckland, and C. S. Scott, Herne Bay, Auckland, New Zealand. Retention of liquids in cisterns and the like. 1,947,304; Feb. 13.
- Morrow, Barney J. (See Pforsich, Allen F., assignor.)
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Thermostatic pilot burner. 1,943,135; Jan. 9.
- Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Hand operating control for draft regulators. 1,958,546; May 15.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Dirt trap for gas supply lines. 1,963,526; June 19.
- Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Control for draft regulators. 1,968,652; July 31.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Baffle for water heaters. 1,979,008; Oct. 30.
- Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Adapter for draft regulators. 1,980,818; Nov. 13.
- Morrow, Clifford, assignor to The H. H. Miller Industries Company, Canton, Ohio. Freezing apparatus. 1,951,365; Mar. 20.
- Morrow, Clifford, assignor to The H. H. Miller Industries Company, Canton, Ohio. Valve. 1,954,217; Apr. 10.
- Morrow, Clifford, assignor to The H. H. Miller Industries Company, Canton, Ohio. Pasteurizer. 1,954,218; Apr. 10.
- Morrow, Emmet H. and J. C., assignors to T. H. Gauthreaux, Chicago, Ill. Lubricator attachment. 1,945,699; Feb. 6.
- Morrow, George H., Portland, Oreg. Rug machine. 1,977,914; Oct. 23.
- Morrow, Harry R., Chicago, Ill. Lamp for body cavities. 1,976,084; Oct. 9.
- Morrow, John. (See Clark, R. B., and Morrow.)
- Morrow, John C. (See Morrow, Emmet H. and J. C.)
- Morrow, Joseph H., Hokendauqua, Pa., assignor to Fuller Company. Conveying apparatus. 1,941,572; Jan. 2.
- Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Conveying system. 1,941,573; Jan. 2.
- Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Portable conveying apparatus. 1,971,425; Aug. 28.
- Morrow, Pember W., Los Angeles, Calif. Collapsible tube. 1,975,967; Oct. 9.
- Morsbach, Kurt, Berlin-Lichterfelde, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Clockwork motion picture camera. 1,960,061; May 22.
- Morsbach, Kurt, Berlin-Grunewald, O. Steiner, Berlin-Spandau, and E. Lölkes, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Motion picture apparatus and particularly an improved film feeding device. 1,955,557; Apr. 17.
- Morsbach, Kurt, Berlin-Grunewald, and O. Steiner, Berlin-Spandau, assignors to Projector G. m. b. H., Berlin, Germany. Centrifugal governor. 1,956,359; Apr. 24.
- Morsbach, Kurt, Berlin-Grunewald, M. Hettler, and K. Raschke, Berlin, assignors to Projector G. m. b. H., Berlin, Germany. Motion picture camera. 1,960,062; May 22.
- Morsbach, Kurt, Berlin-Grunewald, O. Steiner, Berlin-Spandau, and E. Lölkes, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Motor-driven motion-picture projecting machine. 1,964,209; June 26.
- Morschel, Heinrich. (See Zitscher, A., Morschel, and Luce.)
- Morse, Andrew J., & Son, Inc. (See Sibley, Edward W., assignor.)
- Morse, Bruce, Crosbyton, Tex., assignor to Deere & Company, Moline, Ill. Cotton stripper. 1,950,902; Mar. 13.
- Morse Chain Company. (See Bliss, Harold N., assignor.)
- Morse Chain Company. (See Morse, Frank L., assignor.)
- Morse Chain Company. (See Perry, David B., assignor.)
- Morse Chain Company. (See Thompson, Fred C., assignor.)
- Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Air conditioning apparatus. 1,950,807; Mar. 13.
- Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Air conditioning apparatus. 1,954,455; Apr. 10.
- Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Air conditioning apparatus. 1,954,456; Apr. 10.
- Morse, Clark T., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Heating and cooling coil. 1,956,872; May 1.
- Morse, Donald G., Boston, Mass. Pliers. Des. 92,822; July 17.
- Morse, Frank B. (See Mikel, Claude S., assignor.)
- Morse, Frank L., Ithaca, N. Y. Car generator drive. 1,951,624; Mar. 20.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,951,764; Mar. 20.
- Morse, Harold F., Southport, Conn. assignor to General Electric Company. Fan. 1,971,827; Aug. 28.
- Morse, Herman E., Akron, Ohio, assignor to Wingfoot Corporation. Vulcanizing press. 1,981,628; Nov. 20.
- Morse, Howard M. (See Barany, Edmund R., assignor.)
- Morse, Jamn S., New York, N. Y. Signaling and recording system. 1,980,494; Nov. 13.
- Morse, Lawrence H., Cleveland, Ohio, assignor, by mesne assignments to Multigraph Company, Wilmington, Del. Printing machine. 1,968,848; Aug. 7.
- Morse, Lawrence H., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Printing machine. 1,968,849; Aug. 7.
- Morse, Lawrence H., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Inking mechanism for printing machines. 1,968,850; Aug. 7.
- Morse, Loren B., Jersey City, N. J. Process of and machine for making concrete blocks and article made thereby. 1,970,245; Aug. 14.
- Morse, Lyman D., Butte City, Calif. Harvester. 1,972,407; Sept. 4.
- Morse, Melvin L., Wellesley, assignor, by mesne assignments, to E. H. Angier, Framingham, Mass., trustee. Concrete construction. 1,942,971; Jan. 9.
- Morse, Raymond A., Linden, Tex. Combination antiroll back and freewheeling device. 1,965,709; July 10.

- Morse, Raymond L. (See Hallowell, H. T., Bennett, and Morse.)
- Morse, Reginald K., Clackamas County, Oreg. Collapsible bed. 1,979,566; Nov. 6.
- Morse, Robert B. (See Munroe, W. C., and Morse.)
- Morse, Robert V., New York, N. Y. Electric brake. 1,960,915; May 29.
- Morse, Shirley P., East Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Electric motor. 1,968,218; July 31.
- Morse, Sterne, Cleveland Heights, Ohio. Forming solid bodies with predetermined arrangement of constituent particles. 1,950,089; Mar. 6.
- Morse, Sterne, Richmond Heights, Ohio. Operating serial vehicles. 1,972,242; Sept. 4.
- Morse, Waldo G., Yonkers, N. Y. Resonant acoustical article of manufacture. 1,950,621; Mar. 13.
- Morse, Walter M., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Necktie packaging. 1,957,899; May 8.
- Morse, William E., Rapid City, S. Dak. Surgical instrument. 1,972,391; Sept. 4.
- Morse, Willis B., Washington, D. C. Combined tongue depressor and electrode for electrocoagulation of tonsils. 1,945,327 Jan. 30.
- Morsy, Cecile. (See Resnick, Benjamin, assignor.)
- Mortell, Edwin E. (See Chamberlain, M. T., and Mortell.)
- Mortell, J. W., Company. (See Chamberlain, M. T., and Mortell, assignors.)
- Mortensen, Andrew H. (See Mortensen, William C. and A. H.)
- Mortensen, Cornelius, Louisville, Ky. Heat exchange apparatus. 1,943,484; Jan. 16.
- Mortensen, Jorgen, assignor of fifty per cent to C. V. Larsen, Sitka, Alaska. Anchor. 1,983,481; Dec. 4.
- Mortensen, Martin P. (See Sadler, E. W., Pierce, and Mortensen.)
- Mortensen, Niels L. (See Harwood, P. B., and Mortensen.)
- Mortensen, William C., Los Angeles, Calif., and A. H. Mortensen, Salt Lake City, Utah. Automobile lift and parking apparatus. 1,977,833; Oct. 23.
- Mortesen, La Vaughn L., Los Angeles, Calif. Signal. 1,967,127; July 17.
- Mortimer, Charles G., Glen Ridge, assignor to J. H. Lynch, Asbury Park, N. J. Tag forming, embossing, and affixing machine. 1,969,898; Aug. 14.
- Mortimer, Charles G., Glen Ridge, assignor to J. H. Lynch, Asbury Park, N. J. Start and stop control for power machines. 1,983,389; Dec. 4.
- Mortimer, Winfield F., Milwaukee, Wis. Humidifier. 1,960,545; May 29.
- Mortimer, Winfield F., assignor to Emco Manufacturing Company, Milwaukee, Wis. Draft regulator. 1,943,342; Jan. 16.
- Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston expander. 1,956,328; Apr. 24.
- Morton Benjamin A., New York, N. Y. Ventilating device. 1,976,032; Oct. 9.
- Morton, Charles, Providence, R. I. Spinning frame. 1,983,181; Dec. 4.
- Morton, Charles D., River Forest, Ill. Toilet seat guard dispenser. 1,961,704; June 5.
- Morton, Charles D., River Forest, Ill. Toilet seat guard pad. 1,982,922; Dec. 4.
- Morton, Clarence G., South Paris, Maine. Rolling swing. 1,956,772; May 1.
- Morton Company. (See Greenwood, Wallace W., assignor.)
- Morton, Craig V., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 1,970,020; Aug. 14.
- Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,974,082; Sept. 18.
- Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intermittent feed device. 1,980,220; Nov. 13.
- Morton, Frank M., Phenix City, Ala. Self lubricating bobbin gear. 1,979,007; Oct. 30.
- Morton, Harold A., Akron, Ohio. Condensation products of alpha-ethyl hexene aldehyde and primary amines and producing same. 1,944,843; Jan. 23.
- Morton, Harry D., New York, N. Y. Sound-projector moving, orienting, and tilting apparatus. 1,971,828; Aug. 28.
- Morton, Harry E., assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Air conditioning utilizing carbon dioxide ice. 1,985,616; Dec. 25.
- Morton, Harry E., assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Distributor head. 1,985,617; Dec. 25.
- Morton, Henry E., Muskegon Heights, Mich. Tool holder. 1,970,016; Aug. 14.
- Morton, Howard E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Control device for exhaust port of pneumatic-hammer grease guns. 1,964,005; June 26.
- Morton, James, West Lothian, Scotland. Manufacture of fabrics of various kinds by needle action. 1,946,030; Feb. 6.
- Morton, James, Cramond Bridge, West Lothian, Scotland. Manufacture of chenille. 1,981,741; Nov. 20.
- Morton, James, Carlisle, England. Yarn and manufacture of the same. 1,982,014; Nov. 27.
- Morton, Sterling, Chicago, and H. L. Krum, Kenilworth, assignors to Teletype Corporation, Chicago, Ill. System for displaying intelligence and controlling apparatus therefor. 1,973,539; Sept. 11.
- Morton, Sterling, Chicago, H. L. Krum, Kenilworth, and E. E. Kleinschmidt, Highland Park, assignors to Teletype Corporation, Chicago, Ill. Signaling system and apparatus therefor. 1,980,284; Nov. 13.
- Morton, William A. (See Geer, P. L., and Morton.)
- Morton, William A. (See Geer, P. L., Moore, and Morton.)
- Morton, William A., assignor to Amco, Incorporated, Pittsburgh, Pa. Recuperator structure. 1,958,200; May 8.
- Morton, William A., assignor to Amco, Incorporated, Pittsburgh, Pa. Apparatus for feeding molten glass to suction cups. 1,978,645; Oct. 30.
- Morton, William A., and C. A. Nielsen, assignors to Amco, Incorporated, Pittsburgh, Pa. Loader mechanism. 1,968,501; July 31.
- Morton, William A., Pittsburgh, and P. L. Geer, Bellevue Borough, assignors to Amco, Incorporated, Pittsburgh, Pa. Heat treatment chamber. 1,979,216; Oct. 30.
- Morton, William A., Pittsburgh, and P. L. Geer, Bellevue, assignors to Amco, Incorporated, Pittsburgh, Pa. Apparatus for annealing glassware. 1,982,477; Nov. 27.
- Morton, William A., Pittsburgh, and P. L. Geer, Bellevue, assignors, by mesne assignments, to Amco, Incorporated, Pittsburgh, Pa. Method of and apparatus for annealing glassware. 1,982,478; Nov. 27.
- Morton, William B., and L. F. Beisner, Beatrice, Nebr. Display equipment. 1,958,520; May 15.
- Morton, William C., and C. P. Degenfelder, assignors of one-half to E. Kossack, Lincoln, Nebr. Tractor tie rod. 1,970,862; Aug. 21.
- Mosberg, Arnold T., Lakewood, Ohio. Automobile radiator reflector cap. 1,946,230; Feb. 6.
- Moschel, Wilhelm. (See Staib, K., and Moschel.)
- Mosebach, Karl J., Pittsburgh, Pa. Rail bond and applying the same. 1,945,404; Jan. 30.
- Moseley, Asa M. (See Whitten, N. L., and Moseley.)
- Moseley, Hubert F. (See Benner, L. A., and Moseley.)
- Moseley, Tomlinson I., assignor to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 1,942,972; Jan. 9.
- Moser, Gottlieb, Sumner, Iowa. Ventilator device and creosote preventer. 1,967,128; July 17.
- Moser, Helen H., Rochester, N. Y. Guide and take-up for electric cords. 1,943,136; Jan. 9.
- Moser, Jesse R., and E. G. De Coriolis, assignors to Surface Combustion Corporation, Toledo, Ohio. Walking beam conveyor for furnaces. 1,964,297; June 26.
- Moser, Wilhelm. (See Böhm, O., and Moser.)
- Moses, George, Aberdeen, Md. Claw hammer. 1,959,380; May 22.
- Moses, Richard L., Langley, assignor to Ivor Power Specialty Company, Limited, London, England. Fluid pressure operated blower for cleaning the tubes of steam generators and the like. 1,978,686; Oct. 30.
- Moses, Richard W., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Roller leveler. 1,959,492; May 22.
- Mosfelt, Harold T., assignor to R. J. Beatty, Chicago, Ill. Coin-controlled vending machine. 1,958,763; May 15.
- Mosfelt, Harold T., and H. Schagerholm, assignors to Ross J. Beatty, Chicago, Ill. Manifolding apparatus. 1,942,722; Jan. 9.
- Mosfelt, Harold T., and H. Schagerholm, assignors to Ross J. Beatty, Chicago, Ill. Ribbon holding and feeding mechanism for typewriters. 1,947,730; Feb. 20.
- Mosfelt, Harold T., and H. Schagerholm, assignors to Ross J. Beatty, Chicago, Ill. Apparatus for holding and feeding typewriter ribbons. 1,949,107; Feb. 27.
- Mosfelt, Harold T., and H. Schagerholm, assignors to R. J. Beatty, Chicago, Ill. Attachable and detachable manifolding attachment for typewriters. 1,958,764; May 15.
- Mosfelt, Harold T., and H. Schagerholm, assignors to R. J. Beatty, Chicago, Ill. Manifolding attachment for typewriters. 1,961,906; June 5.
- Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Soap dish. Des. 91,364; Jan. 16.
- Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Oakville, Conn. Slide buckle. 1,962,517; June 12.
- Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Loop buckle. 1,974,287; Sept. 18.
- Mosgrove, Charles A., Waterbury, and M. D. Meserole, Milford, assignors to The Autoyre Company, Incorporated, Oakville, Conn. Bottle opener. 1,975,472; Oct. 2.
- Mosher, Jerome C., Minneapolis, Minn. Making composite paper. 1,969,938; Aug. 14.
- Mosher, Theodore J., Dallas, Tex. Counterbalance. 1,956,158; Apr. 24.
- Moshin, Morris. (See Hanson, Melvin F., assignor.)
- Mosinee Paper Mills Company. (See Feeney, William P., assignor.)
- Mosinee Paper Mills Company. (See Kernin, Alfred G., assignor.)
- Moskovits, Miklos, Budapest, Hungary. Manufacture of yeast of high enzymatic activity. 1,962,831; June 12.
- Moskowitz, Abram, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,963,209; June 19.
- Mosler Ignition Corporation. (See Kasarjian, Armen A., assignor.)

- Mosler Lock Company, The. (See Benham, William T., assignor.)
- Mosler Safe Company, The. (See Bates, C. J., jr., and Bremer.)
- Mosler Safe Company, The. (See Bremer, Frederick J., assignor.)
- Mosler Safe Co. (See Murtaugh, John J., jr., assignor.)
- Mosley, John H. (See Kimball, W. D., Braren, and Mosley.)
- Mosley, John H. (See Kimball, W. D., and Mosley.)
- Mosley, John H. (See Rideout, A. E., and Mosley.)
- Moss Corporation, The. (See Liable, Charles L., assignor.)
- Moss, Donald J., London, England. Door for rolling shutters and the like. 1,961,674; June 5.
- Moss, Elias. (See Newmark, M., and Moss.)
- Moss, Frank J., Kansas City, Mo. Interlocking culvert. 1,984,196; Dec. 11.
- Moss, Henry V., and T. H. Wheelock, St. Louis, assignor to Swann Research Incorporated. Free flowing powdered milk. 1,966,513; July 17.
- Moss, Herbert H., Brooklyn, N. Y., assignor to The Linde Air Products Company. Apparatus for constructing tubular joints. 1,964,926; July 3.
- Moss, Herbert H., Brooklyn, N. Y., assignor to The Linde Air Products Company. Tubular anchorage boot for structural columns. 1,984,753; Dec. 18.
- Moss, Millie, Huntington, W. Va. Lamp shade. Des. 92,545; June 19.
- Moss, Sanford A., Lynn, S. R. Puffer, Saugus, and W. A. Reeves, Lynn, Mass., assignors to General Electric Company. Fluid fuel burning heater. 1,963,758; June 19.
- Moss, Thomas R., Dyersburg, Tenn. Ash tray. 1,961,427; June 5.
- Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Coating and product thereof. 1,941,709; Jan. 2.
- Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Composition containing derivatives of cellulose. 1,941,710; Jan. 2.
- Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Laminated glass and making the same. 1,953,971; Apr. 10.
- Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Resin and coating or plastic composition containing the same. 1,958,488; May 15.
- Moss, William H., London, England, assignor to Celanese Corporation of America. Laminated glass and making the same. 1,947,486; Feb. 20.
- Moss, William H., London, England, assignor to Celanese Corporation of America. Resin and coating or plastic compositions containing the same. 1,954,826; Apr. 17.
- Moss, William H., London, England, assignor to Celanese Corporation of America. Compositions of matter. 1,977,642; Oct. 23.
- Moss, William H., London, England, assignor to Celanese Corporation of America. Protective covering. 1,977,643; Oct. 23.
- Moss, William H., London, England, assignor to Celanese Corporation of America. Composition of matter. 1,982,227; Nov. 27.
- Moss, William H., and B. B. White, Cumberland, Md., assignors to Celanese Corporation of America, New York, N. Y. Coating composition and film produced thereby. 1,941,708; Jan. 2.
- Moss, William H., and G. W. Seymour, Cumberland, Md., assignors to Celanese Corporation of America. Coating composition. 1,963,142; June 19.
- Mossberg, Frank, Attleboro, Mass. Forming quills for shuttles. 1,971,117; Aug. 21.
- Mossberg, Frank, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Braider carrier. 1,970,390; Aug. 14.
- Mossberg, Herman T., South Bend, Ind., assignor to The Wadsworth Watch Case Co., Dayton, Ky. Producing printing images. 1,951,943; Mar. 20.
- Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
- Mosshammer, Jesse H., Wapanucka, Okla. Oven. 1,981,658; Nov. 20.
- Mossie, Joseph A. and W. A., Sugar Creek, Mo. Alarm system switch. 1,964,439; June 26.
- Mossie, William A. (See Mossie, Joseph A. and W. A.)
- Mossiang, Hans, and H. Volbehr, Munich, Germany, assignors to Shell Development Company, San Francisco, Calif. Transportable apparatus for applying bituminous coverings, particularly to canal walls and the like inclined surfaces. 1,945,065; Jan. 30.
- Most, Lucifer J., Kearny, assignor to H. L. Carman, Arlington, N. J. Fountain pen. 1,968,567; July 31.
- Mostny, Hans, Linz, Austria, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of artificial sponges. 1,974,393; Sept. 18.
- Mote, Horace, London, England. Cot, cradle, and the like. 1,972,027; Aug. 28.
- Motion Display Inc. (See Bilton, Clarence E., assignor.)
- Motley, Robert L., near Dallas, Tex. Apparatus for training animals. 1,973,927; Sept. 18.
- Motley, Wesley J., Montgomery, Ala. Hair cutting implement. 1,976,290; Oct. 9.
- Motoflex, Inc. (See Walters, George M., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Blodgett, George R., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Decker, Hugh L., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Jardine, Charles, assignor.)
- Moto-Meter Gauge & Equipment Corporation. (See Middleton, Leslie H., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Miner, Robert G., jr., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Wardenburg, Bernhard G., assignor.)
- Motor Devices, Inc. (See Trail, Herbert H., assignor.)
- Motor Devices, Inc. (See Williams, William J., assignor.)
- Motor Improvements, Inc. (See Shaw, William H., assignor.)
- Motor Jack Corporation. (See Gutmann, John, jr., assignor.)
- Motor Jack Corporation. (See Gutmann, J., jr., and Wolf, assignors.)
- Motor Products Corporation. (See Kellogg, Homer G., assignor.)
- Motor Products Corporation. (See Lewellen, Chester L., assignor.)
- Motor Products Corporation. (See Pritchard, William S., assignor.)
- Motor Terminals Company. (See Fitch, Benjamin F., assignor.)
- Motor Wheel Corporation. (See Garland, John E., assignor.)
- Motor Wheel Corporation. (See Horn, Harry J., assignor.)
- Motor Wheel Corporation. (See Hunt, J. Harold, assignor.)
- Motor Wheel Corporation. (See Hunt, J. H., and Horn, assignors.)
- Motor Wheel Corporation. (See Piatt, Howard I., assignor.)
- Motor Wheel Corporation. (See Stough, Charles R., assignor.)
- Motor Wheel Corporation. (See Van Halteren, Andrew S., assignor.)
- Motor Wheel Corporation. (See Winchester, F. U., and Hunt, assignors.)
- Moto Vita Corporation. (See Holt, Francis A., assignor.)
- Moto-Vita Corporation. (See Kennedy, Absalom M., assignor.)
- Motsinger, Armand V., Otter Point, Md. Gas mask head harness. 1,942,442; Jan. 9.
- Mott, Everett V. (See Rovere, L. H., and Mott.)
- Mott, Everett V. (See Rovere, L. H., Mott, and Ayers.)
- Mott, George T., Pearl River, N. Y. Apparatus for heat exchanging. 1,961,907; June 5.
- Mott, Harriet J., Hollis, N. Y. Umbrella holder. 1,955,436; Apr. 17.
- Mott, Lee F., Yankton, S. Dak. Brooder. 1,942,765; Jan. 9.
- Mott, Owen E. (See Holley, A. E., and Mott.)
- Mott Sand Blast Mfg. Co. (See Weir, C. T., and Dernehl, assignors.)
- Motter, Elmer E., Pleasant Ridge, Mich. Transmission for motor cars and control means therefor. 1,957,550; May 8.
- Mottershead, Percy. (See Johnston, B. H., and Mottershead.)
- Mottweiler, Oliver F., Gimco City, Ind. Method of and apparatus for commingling a binder with mineral wool. 1,969,519; Aug. 7.
- Mottweiler, Oliver F., Gimco City, assignor to General Insulating & Manufacturing Company, Alexandria, Ind. Method of and apparatus for applying powdered asphalt to mineral wool to form a binder. 1,968,851; Aug. 7.
- Mougey, Harry C. (See Wirshing, R. J., and Mougey.)
- Mougey, Harry C., Detroit, Mich., and C. R. Short, Clermont, Fla., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Radiator filling device. 1,983,988; Dec. 11.
- Mougey, Wilbur E., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reeling apparatus. 1,984,538; Dec. 18.
- Moul, Arthur F., assignor to Samuel C. Rogers & Company, Buffalo, N. Y. Apparatus for grinding. 1,980,872; Nov. 13.
- Moul-Hesson Corporation. (See Hesson, Charles M., assignor.)
- Moulded Pulp Corporation. (See White, Ronald D., assignor.)
- Moulder, Harry G., Kansas City, Mo. Defecating stool. 1,972,233; Sept. 4.
- Moulin, Gabriel. (See Moulin, G., and Lathe, assignor.)
- Moulin, Gabriel, San Francisco, and F. A. Lathe, Oakland, Calif.; said Lathe assignor to said Moulin. Camera. 1,984,420; Dec. 18.
- Moulin, Irving V. (See Devin, Gerald B., assignor.)
- Moulton, Harold R., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Glass treatment. 1,960,121; May 22.
- Moulton, Rollin H., Berwyn, Ill. Shock absorber. 1,958,489; May 15.
- Moulton, Seth A. (See Craban, P. F., Moulton, and Seavoy.)
- Moulton, Seth A., Los Angeles, Calif., assignor to P. F. Craban, New York, N. Y. Recovering alkali metals and by-products. 1,961,160; June 5.
- Mountain Copper Company, The. (See Swift, Thomas B., assignor.)
- Mounting & Finishing Company, The. (See Hornecker, G., and Bacon, assignors.)
- Mountjoy, Garrard. (See Seeley, S. W., and Mountjoy.)

- Mountjoy, Garrard, Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Image frequency suppression for superheterodyne receivers. 1,976,958; Oct. 16.
- Mount Vernon Car Manufacturing Co. (See Collison, Thomas A., assignor.)
- Mouradian, Hughes, Philadelphia, Pa. Negative impedance repeater. Re19,305; Sept. 4.
- Mouradian, Hughes, Philadelphia, Pa. Negative impedance repeater. 1,955,681; Apr. 17.
- Moureaux, René, assignor to Société de Construction Mécanique de Vierzon, (anciens Etablissements Brouhot & Cie.), Vierzon, France. Apparatus for cleaning and stripping grain. 1,956,329; Apr. 24.
- Mourek, Anton, Cicero, Ill. Building. Des. 93,175; Aug. 28.
- Mouromtseff, Ilya E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube. 1,944,190; Jan. 23.
- Mouromtseff, Ilya E., and G. V. Rylsky, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Vacuum tube. 1,971,988; Aug. 28.
- Mouromtseff, Ilya E., and G. V. Rylsky, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Power tube. 1,973,094; Sept. 11.
- Mouromtseff, Ilya E., and G. Rylsky, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical conductor for electron discharge tubes. 1,982,317; Nov. 27.
- Moushon, Richard S., Peoria Heights, assignor of one-half to F. C. Thomas, Peoria, Ill. Support for attachment to ladders. 1,972,064; Aug. 28.
- Movable Floor (Vehicles) Limited. (See Renwick, Allan E., assignor.)
- Movable Floor (Vehicles) Limited. (See Renwick, A. E., and Solomon, assignors.)
- Movietonews, Inc. (See Jermain, Herbert F., assignor.)
- Movietonews, Inc. (See Sponable, Earl L., assignor.)
- Movietonews, Inc. (See Whiting, Donald F., assignor.)
- Mowat, Duane, assignor to H. F. Vickers, Detroit, Mich. Film feeding mechanism. 1,981,370; Nov. 20.
- Mowe, Wilburn L. (See Wagner, G. H., and Mowe.)
- Mowery, Harold W., Mahwah, N. J. Making abrasive metal castings. 1,978,319; Oct. 23.
- Mowery, John N. (See Tuxbury, H. W., and Mowery.)
- Mowery, Leroy D. (See Hauserman, E. F., Mowery, and Bohnsack.)
- Mower, Clifton E., Bethlehem, Pa. Portable refreshment booth. Des. 94,042; Dec. 11.
- Mowrey, Lester D., assignor of one-half to R. Decker, Wichita Falls, Tex. Well pump. 1,977,915; Oct. 23.
- Mowrey, Paul L. (See Wagner, J. J., and Mowrey.)
- Mowry, William F., Wallingford, assignor to International Silver Company, Meriden, Conn. Make-up mirror. 1,961,238; June 5.
- Moxley, Berry C., and O. M. Moxley, Hoquiam, Wash. Gravity feed oil burner. 1,957,019; May 1.
- Moxley, Orveta M. (See Moxley, Berry C. and O. M.)
- Moxley, Stephen D. (See Barr, C. D., and Moxley.)
- Moxley, Stephen D. (See Barr, C. D., Moxley, and Cooper.)
- Moyer, Andrew T., Jenkintown, Pa. Safety device for paper cutters. 1,981,063; Nov. 20.
- Moyer, Charles E., Long, Md. Process and composition for hardening copper. 1,943,738; Jan. 16.
- Moyer, Charles L., Chicago, Ill., assignor, by mesne assignments, to Boston Blacking & Chemical Co., Boston, Mass. Adhesive applying apparatus. 1,947,791; Feb. 20.
- Moyer, Clarence L., executor, et al. (See Dock, Herman, assignor.)
- Moyer, Franklin H., Allentown, Pa. Latch for elevator gates. 1,954,363; Apr. 10.
- Moyer, Franklin H., Allentown, Pa. Stop for elevator gates. 1,965,200; July 3.
- Moyer, Paul S., Lake Forest, Ill. Colloidal aluminum hydroxide and making the same. 1,958,710; May 15.
- Moyses, Harry B. (See Davis, Maurice E., assignor.)
- Moyses, Harry E., New York, N. Y. Preservation of rubber cement coated articles. 1,954,219; Apr. 10.
- Mozur, Kasimier W., Erie, Pa. Signal device. 1,969,144; Aug. 7.
- Mross, Edward, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Portable food mixer and support. 1,970,811; Aug. 21.
- Mucher, John J., Brooklyn, N. Y. Resistance device. 1,976,624; Oct. 9.
- Mucher, John J., Brooklyn, N. Y. Resistance unit. 1,982,475; Nov. 27.
- Muchnic, Henry E. (See Purcell, J., and Muchnic.)
- Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Cylinder construction. 1,966,037; July 10.
- Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Return bend joint for oil stills. 1,966,038; July 10.
- Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Joint forming means for return bends and the like. 1,966,039; July 10.
- Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Piston construction. 1,978,370; Oct. 23.
- Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Return bend joint. 1,985,544; Dec. 25.
- Muckenfuss, Anthony M., Elizabeth, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Manufacture of alkali metal hydride. 1,958,012; May 8.
- Muckenfuss, Anthony M., and V. L. Hansley, Niagara Falls, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company. Plasticizing esters. 1,975,697; Oct. 2.
- Muckerjee, John, Milwaukee, Wis. Breath deodorant. 1,978,217; Oct. 23.
- Mücklich, Max, Dresden, Germany. Antiskid tire for motor vehicles. 1,983,238; Dec. 4.
- Mudd, Frank X., Oak Park, Ill. Poultry car. 1,963,713; June 19.
- Mudd, Garrett W., Chicago, Ill., assignor, by mesne assignments, to Standard Sealing Equipment Corporation of New York. Packaging machine. 1,950,370; Mar. 6.
- Mudd, Garrett W., assignor to Chicago Curled Hair Company, Chicago, Ill. Machine for rolling rugs. 1,951,060; Mar. 13.
- Mudd, Garrett W., Chicago, Ill., assignor to Pneumatic Scale Corporation, Ltd., Quincy, Mass. Labeling machine. 1,981,278; Nov. 20.
- Mudge, William A., and C. G. Bieber, Huntington, W. Va. Method and apparatus for testing materials. 1,943,619; Jan. 16.
- Mudon, Thomas J., assignor to Circo Products Corporation, Chicago, Ill. Sign flasher. 1,979,807; Nov. 6.
- Mudrick, Alexander, Detroit, Mich. Vehicle signal. 1,951,164; Mar. 13.
- Muehleman, Henry J., Hamilton, Ontario, Canada, assignor to Delta-Star Electric Company, Chicago, Ill. Electric cable clamp. 1,979,117; Oct. 30.
- Muehler, Lowell E., assignor to Eastman Kodak Company, Rochester, N. Y. Liquid hardener solution. 1,981,426; Nov. 20.
- Muechter, Manfred W., Brooklyn, assignor to Signal Engineering and Manufacturing Company, New York, N. Y. Intermittently operating electrical device. 1,970,333; Aug. 14.
- Mueller, Arthur W., Cincinnati, Ohio. Cutter for cheese cutters, slicing machines, and the like. 1,952,136; Mar. 27.
- Mueller, August J., Chicago, Ill. Building tile. 1,962,906; June 12.
- Mueller, Bernhard A., East St. Louis, Ill. Combined radiator valve and humidifier. 1,954,942; Apr. 17.
- Mueller Brass Co. (See Lindquist, Davis E., assignor.)
- Mueller Brass Co. (See Lindquist, D. E., and Irving, assignors.)
- Mueller Brass Co. (See Robinson, W. M., and Rader, assignors.)
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Hemmer. 1,943,801; Jan. 16.
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machines. 1,947,950; Feb. 20.
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Sewing machine. 1,954,299; Apr. 10.
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Hemmer. 1,971,118; Aug. 21.
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Top feed mechanisms for blind stitch sewing machines. 1,984,593; Dec. 18.
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 1,984,754; Dec. 18.
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 1,984,755; Dec. 18.
- Mueller, Christian R., Detroit, Mich. Heating and ventilating means for motor cars. 1,976,959; Oct. 16.
- Mueller Co. (See Ellis, Robert L., assignor.)
- Mueller Co. (See Groble, William C., assignor.)
- Mueller Co. (See Groeniger, William C., assignor.)
- Mueller Co. (See Mueller, Frank H., assignor.)
- Mueller Co. (See Mueller, Robert H. and F. H., and Condé, assignors.)
- Mueller Co. (See Reedy, Emmett M., assignor.)
- Mueller Co. (See Smith, M. F., and Reedy, assignors.)
- Mueller-Cunradi, Martin. (See Krauch, C., and Mueller-Cunradi.)
- Mueller-Cunradi, Martin. (See Zorn, H., Mueller-Cunradi, and Rosinsky.)
- Mueller-Cunradi, Martin. Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of diolefines. 1,944,153; Jan. 23.
- Mueller-Cunradi, Martin, K. Pieroh, and H. Giehne, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of acetic acid. 1,951,789; Mar. 20.
- Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, O. Eisenhut, Heidelberg, and H. Schilling, Ludwigshafen-on-the-Rhine, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation. 1,959,924; May 22.
- Mueller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, and W. Haag, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of 1,3-butylene glycol. 1,961,980; June 5.

- Mueller Electric Company. (See Mueller, Ralph S., assignor.)
- Mueller, Emil, Cranston, assignor to Speidel Chain Co.; Providence, R. I. Chain making machine. 1,971,989; Aug. 28.
- Mueller, Emil L., Rutherford, N. J. Invalid's wheel chair. 1,973,962; Sept. 18.
- Mueller, Emil L., Rutherford, N. J. Book construction. 1,979,209; Oct. 30.
- Mueller, F. H. (See Mueller, Robert H. and F. H., and Condé.)
- Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Pipe or rod coupling and joint. 1,979,760; Nov. 6.
- Mueller, George, assignor to The Le Blond Schacht Truck Co., Cincinnati, Ohio. Spare tire and wheel carrier. 1,983,767; Dec. 11.
- Mueller, George C., Chicago, Ill. Portable clamp. 1,952,453; Mar. 27.
- Mueller, Hans, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Impeller. 1,955,929; Apr. 24.
- Mueller, Herman G., assignor to Skinner Engine Company, Erie, Pa. Steam engine valve. 1,983,803; Dec. 11.
- Mueller, Herman H., New Holland, assignor to Vanity Fair Silk Mills, Reading, Pa. Knitted shaped bust section. 1,948,670; Feb. 27.
- Mueller, Homer L. (See Baker, F. E., Dvorak, and Mueller.)
- Mueller, Joachim. (See Koeberle, K., and Mueller.)
- Mueller, Joachim, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuff mixture. 1,981,242; Nov. 20.
- Mueller, Joseph J. (See Eason, Clarence M., and Mueller.)
- Mueller, Julius. (See Albrecht, W., and Mueller.)
- Mueller, L. J., Furnace Company. (See Jones, Edwin A., assignor.)
- Mueller, Louis C., Appleton, Wis. Lawn mower attachment. 1,953,186; Apr. 3.
- Mueller, Max, St. Louis, Mo. Machine for forming clay products. 1,969,028; Aug. 7.
- Mueller, Paul F., Ocean Park, assignor to Berkley Machine Works & Foundry Co., Inc., Norfolk, Va. Drain valve. 1,971,304; Aug. 21.
- Mueller, Paul M., Rome, assignor to General Cable Corporation, New York, N. Y. Reel. 1,981,809; Nov. 20.
- Mueller, Ralph S., Cleveland Heights, Ohio, assignor to Mueller Electric Company. Insulator for connecting clips. 1,965,151; July 3.
- Mueller, Richard P., New York, N. Y., assignor to J. B. Brady, Somerset, Md. Aircraft control system. 1,941,616; Jan. 2.
- Mueller, Robert, Yonkers, N. Y. Atomizer. 1,947,353; Feb. 13.
- Mueller, Robert A., Houston, Tex. Equalizing device for high pressure valves. 1,961,380; June 5.
- Mueller, Robert A., Houston, Tex. Controlling wells. 1,981,279; Nov. 20.
- Mueller, Robert H. and F. H., and L. Condé, assignors to Mueller Co., Decatur, Ill. Drilling machine. 1,956,129; Apr. 24.
- Mueller, Russell A., Belleville, Ill. Bottle sterilizing device. 1,983,390; Dec. 4.
- Mueller, Theodore M., Pontiac, Mich. Transmission. 1,953,252; Apr. 3.
- Mueller, Theodore M., Pontiac, Mich. Transmission. 1,956,078; Apr. 24.
- Mueller, Theodore M., Pontiac, Mich. Valve lifter mechanism. 1,977,736; Oct. 23.
- Mueller, Thomas E. (See Gilman, H. J., and Mueller.)
- Mueller, V., & Co. (See Castroviejo, Ramon, assignor.)
- Mueller, William A., Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y. Sound recording. 1,975,283; Oct. 2.
- Muench, Carl G., New Orleans, La. Press conveyor. 1,949,917; Mar. 6.
- Muench, Eduard, and H. Ufer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Liquid for transferring energy and lubricating. 1,984,421; Dec. 18.
- Muench, Herbert H., Loewe, and L. Birch-Hirshfeld, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Treatment of hides, skins, and pelts. 1,967,679; July 24.
- Muench, Herbert E., University City, Mo. Heel plate. 1,981,148; Nov. 20.
- Muench, Julius W., Rochester, N. Y. Game apparatus. 1,974,782; Sept. 25.
- Muench-Kreuzer Candle Company Inc. (See Muench, Thomas J., assignor.)
- Muench, Thomas J., assignor to Muench-Kreuzer Candle Company Inc., Syracuse, N. Y. Base for candle lamps. Des. 92,485; June 12.
- Muenchen, Peter J., Los Angeles, Calif. Boot tree. 1,943,244; Jan. 9.
- Muenster, Otto, Green Bay, Wis. Self-closing strainer. 1,977,006; Oct. 16.
- Muenzer, Frank X., assignor to The Multiplex Concrete Machinery Company, Elmore, Ohio. Machine for making building blocks. 1,946,708; Feb. 13.
- Muff, Oliver W. (See Welcome, S. B., and Muff.)
- Muffy, Glenn, Richmond, Mich. Motor and control therefor. 1,960,790; May 29.
- Muffy, Glenn, Detroit, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Refrigerating apparatus. 1,967,420; July 24.
- Muffy, Glenn, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Refrigerating system. 1,967,536; July 24.
- Mugdan, Martin. (See Meingast, R., and Mugdan.)
- Mugdan, Martin, and J. Wimmer, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Germany. Manufacture of oxidation products of trichlorethylene. 1,976,265; Oct. 9.
- Muggleton, Charles A., assignor to Rock River Cotton Company, Jaxessville, Wis. Packing cotton batting in containers. 1,972,690; Sept. 4.
- Mühl, Wilhelm. (See Grotowsky, H., and Mühl.)
- Muhleisen, Henry W., Los Angeles, Calif. Vacuum container. 1,946,872; Feb. 13.
- Muik, Frank, assignor of one-half to F. G. Watra, Chicago, Ill. Window or the like. 1,976,888; Oct. 16.
- Muir, Harold J., assignor to Animated Spark Plug Company, Chicago, Ill. Spark plug. 1,960,344; May 29.
- Muir, James A., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Shoe material. 1,978,549; Oct. 30.
- Muir, James F., Brookline, Mass. Valve. 1,980,495; Nov. 13.
- Muir, Robert W. (See Marshall, Jean H., assignor.)
- Muir, Wellington W., Lockport, N. Y. Radiator core. 1,951,366; Mar. 20.
- Muir, Wellington W., Lockport, N. Y. Modulated high frequency generator. 1,967,253; July 24.
- Mukasa, Eizo, assignor to Toden Denkyu Kabushiki Kwaisha, Shinagawa Machi, Ebara Gun, Tokyo Fu, Japan. Gas sealed incandescent lamp or the like. 1,955,510; Apr. 17.
- Mulch, Balthazar H. T., Westwood, N. J. Water cooler and filter. 1,960,975; May 29.
- Mulder, Cornelis A. H., Oosterbeek, Netherlands, assignor to General Electric Company. Local heating of bodies. 1,984,488; Dec. 18.
- Mulder, Johannes G. W., et al. (See Bruijnes, J., Mulder, and Oosterhuis.)
- Mulder, Johannes G. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Alternating current rectifying installation. 1,945,993; Feb. 6.
- Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,951,163; Mar. 13.
- Mulder, Johannes G. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric rectifier. 1,976,454; Oct. 9.
- Mulder, Johannes G. W., and A. Kuntke, assignors, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Incandescible cathode discharge tube having a gaseous filling. 1,963,059; June 12.
- Mulder, Peter J. (See Razek, J., and Mulder.)
- Muldoon, Bernard F., Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Electric light fixture. 1,952,603; Mar. 27.
- Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Electric switch. 1,968,090; July 31.
- Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Receptacle for electric plugs. 1,982,263; Nov. 27.
- Mulert, Justus L., Pittsburgh, Pa. Sucker rod locking device. 1,957,795; May 8.
- Mulford, Braden N., Fountain Head, Tenn. Fruit slicing, coring, or pitting machine. 1,973,260; Sept. 11.
- Mulford, Ralph K., Jersey City, N. J., assignor of one-half to F. J. Kent, New York, N. Y. Piston. 1,976,358; Oct. 9.
- Mulford, William A., Gladwyne, and M. F. Dilks, Ardmore, Pa. Rear axle. 1,950,034; Mar. 6.
- Mulhern, John F. (See Thomson, J. M., and Mulhern.)
- Mulhern, William A., assignor to Chrysler Corporation, Detroit, Mich. Brake drum. 1,944,261; Jan. 23.
- Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for making glass. 1,953,023; Mar. 27.
- Mulhollen, Harold S., Los Angeles, Calif. Hoist attachment. 1,975,729; Oct. 2.
- Mulkern, John J. (See Brunner, W., and Mulkern.)
- Mullan, Edward P., Bala, Pa. Separation of color areas when areas of more than one color are contained in a single photographic or mechanical negative. 1,952,771; Mar. 27.
- Mullan, Mary A. (See Agee, Lewis V., assignor.)
- Mullen, Albert E., assignor to American Perfumers Laboratories, Inc., New York, N. Y. Cosmetic box. 1,959,685; May 22.
- Mullen, Chester P., Montgomery, W. Va. Car stop. 1,947,354; Feb. 13.
- Mullen, Edwin J., New Rochelle, assignor to General Chemical Company, New York, N. Y. Cooling and purifying burner gases. 1,943,137; Jan. 9.
- Mullen, Edwin J., New Rochelle, and W. S. Allen, Flushing, assignors to General Chemical Company, New York, N. Y. Method and apparatus for treating gases. 1,969,381; Aug. 7.
- Mullen, George W., Indianapolis, Ind., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Method of processing. 1,953,656; Apr. 3.
- Mullen, James J., assignor to Moloney Electric Company, St. Louis, Mo. Transformer tank. 1,954,597; Apr. 10.
- Mullen, Raymond F., and T. L. Lee, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Car heater. 1,951,200; Mar. 13.

- Mullen, Thomas W., El Dorado, Ark. Combined blow-out patch and plug. 1,942,116; Jan. 2.
- Müller, Albano, Schwelm, Germany. Metal cask. 1,956,512; Apr. 24.
- Müller Brass Co. (See Lindquist, David B., assignor.)
- Müller, C. H. F., Aktien Gesellschaft. (See Alfiter, Josef, assignor.)
- Müller, C. H. F., Aktiengesellschaft. (See Franke Heinrich, assignor.)
- Müller, C. H. F., Aktiengesellschaft. (See Halberstadt, Heinrich, assignor.)
- Müller, C. H. F., Aktiengesellschaft. (See Kuntke, Alfred, assignor.)
- Müller, C. H. F., Aktiengesellschaft. (See Niclassen, Hans, assignor.)
- Müller, C. H. F., Aktiengesellschaft. (See Reinschild, Carl, assignor.)
- Müller, Carl, Berlin-Charlottenburg, Germany. Analyzing and translating energy forms. 1,943,898; Jan. 16.
- Müller, Carl, Berlin-Charlottenburg, Germany. Analyzing and translating energy forms. 1,943,899; Jan. 16.
- Müller, Carl, Berlin-Charlottenburg, Germany. Picture transmitting apparatus. 1,943,900; Jan. 16.
- Müller, Carl F. O., Karlsruhe, Baden, Germany. Anti-dazzle lamp. 1,953,004; Mar. 27.
- Müller, Carl J., and W. Kirst, Frankfurt-on-the-Main, Germany. Assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo-dyestuffs and fiber dyed therewith. 1,976,185; Oct. 9.
- Müller, Carl W., Dresden-Weisser Hirsch, Germany. Cigarette carton. 1,950,740; Mar. 13.
- Müller, Carl W., Dresden-Weisser Hirsch, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Apparatus for conveying cut tobacco. 1,984,980; Dec. 18.
- Müller, Emil M., and E. Richter, assignors to Textile Machine Works, Wyomissing, Pa. Mechanism for producing plain knit areas in certain knitted fabrics. 1,971,725; Aug. 28.
- Müller, Erich, Magdeburg-Sudenburg, Germany. Rotating shears with movable nonoperated knives for cutting running material of any required length. 1,948,796; Feb. 27.
- Muller, Ernst F. (See Levin, N. D., and Muller.)
- Muller, Ernst F., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,946,634; Feb. 13.
- Muller, Ernst F., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Equalizing mechanism. 1,971,949; Aug. 28.
- Muller, Ernst F., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining machine truck. 1,972,352; Sept. 4.
- Muller, Ernst F., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Belt centering mechanism. 1,973,095; Sept. 11.
- Muller & Franke A. G. (See Hassel, Franz, assignor.)
- Müller, Franz H. (See Schambach, H., and Müller.)
- Müller, Franz H., Dusseldorf, assignor to Durkoppwerke Aktiengesellschaft, Bielefeld, Germany. Producing pure whites and a pure yellow in screened photographic pictures. 1,972,310; Sept. 4.
- Müller, Frederick, Elizabeth, N. J., assignor to Squeez-Ezy Mop Co., Inc., New Orleans, La. Forming open mesh fabric. 1,960,023; May 22.
- Müller, Friederich, Elizabeth, N. J. Vibrator. 1,964,590; June 26.
- Müller, Georg, Leipzig, Germany. Stave. 1,978,811; Oct. 30.
- Müller, Georg, Leipzig, Germany. Stave or bottom for barrels and vats, etc. 1,981,659; Nov. 20.
- Muller, George W., Washington, D. C., assignor, by mesne assignments, to The Rail Joint Company, New York, N. Y. Bar plate or rail-joint bar. Re19,147; Apr. 24.
- Muller, George W., Twin Oakes, Va., assignor to The Rail Joint Company, New York, N. Y. Railway joint bar. 1,959,381; May 22.
- Müller, Hans, Hagen, Germany. Forging machine. 1,969,317; Aug. 7.
- Müller, Heinrich, Nuremberg, Germany. Toy. 1,959,493; May 22.
- Müller, Helmuth, Burghausen, assignor to Dr. Alexander Wacker Gesellschaft für Elektro-Chemische Industrie, G. m. b. H., Munich, Germany. Diaphragm for electrolytic cells. 1,942,183; Jan. 2.
- Muller, Jacques, La Garenne Colombes, France. Valve mechanism for cutting off the supply of liquid to reservoirs, casks, and other containers. 1,943,536; Jan. 16.
- Müller, Jakob, Munchenstein, near Basel, and R. Stocker, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid vat-dyestuffs and making the same. 1,947,655; Feb. 20.
- Müller, Josef, Weissenstein above the Drau, Austria. Manufacture of high-percentage per compounds. 1,950,320; Mar. 6.
- Müller, Josef, Weissenstein above the Drau, Austria. Treatment of seeds for sowing. 1,962,996; June 12.
- Müller, Josef, Weissenstein-above-the-Drau, assignor to Oesterreichische Chemische Werke Gesellschaft m. b. H., Vienna, Austria. Apparatus for the electrolytic treatment of liquids. 1,966,102; July 10.
- Müller, Josef, Weissenstein-above-the-Drau, Karnten, assignor to Oesterreichische Chemische Werke Gesellschaft m. b. H., Vienna, Austria. Purification of and particularly for the elimination of acids from hydrogen peroxide solutions by electrolysis. 1,966,103; July 10.
- Muller, Karl. (See Kleinschmit, O., Geissler, and Muller.)
- Müller, Karl, Stuttgart, and E. Hutzenlaub, Stuttgart-Zuffenhausen, assignors to Firma Paul Lechler, Stuttgart, Germany. Coating masonry. 1,948,085; Jan. 9.
- Müller, Konrad. (See Döring, F., and Müller.)
- Müller, Konrad, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Electromagnetic switching device. 1,954,092; Apr. 10.
- Müller, Kurt B., Berlin-Friedenau, Germany, assignor to General Electric Company. Arc-starting device for vapor discharge devices. 1,983,391; Dec. 4.
- Müller, Max. (See Hug, E., and Müller.)
- Muller, Oscar F., Glen Ridge, N. J., assignor to Nyanza Color & Chemical Co. Inc., New York, N. Y. Dressing and treating furs. 1,952,137; Mar. 27.
- Müller, Oskar. (See Kleinschmidt, O., and Müller.)
- Muller, Paul, New York, N. Y. Reversible window sash. 1,965,250; July 3.
- Müller, Paul, Berlin, Germany. Optical system. 1,977,689; Oct. 23.
- Müller, Paul, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Tuning arrangement. 1,957,796; May 8.
- Muller, Paul P., Paterson, N. J. Bobbin and making the same. 1,951,556; Mar. 20.
- Muller, Ralph P. (See Chaffee, S. W., and Muller.)
- Muller, Ralph P., St. George, Staten Island, N. Y., assignor to Seal-Kast Corporation. Roofing. 1,973,523; Sept. 11.
- Müller, Richard. (See Stelkens, W., and Müller.)
- Müller, Richard, assignor to C. F. Boehringer & Soehne, G. m. b. H., Mannheim, Germany. Agglutinant. 1,955,083; Apr. 17.
- Müller, Richard, H. Hatzig, and E. Rabald, Mannheim, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldorf, Germany. Separating acetic acid from acetic acid anhydride. 1,941,951; Jan. 2.
- Müller, Richard, Mannheim, and A. Lübke, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Plastic masses containing cellulose esters. 1,967,421; July 24.
- Müller, Richard K. (See Kranzlein, G., Müller, and Berlin.)
- Müller, Robert. (See Becker, L., and Müller.)
- Muller, Robert, Rockville Center, assignor to Schaffer Belts, Inc., New York, N. Y. Belt. 1,963,309; June 19.
- Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper carriage equipment for calculating machines. 1,942,216; Jan. 2.
- Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,949,918; Mar. 6.
- Müller, Rudolf. (See Kalischer, G., Nüsslein, and Müller.)
- Müller, Rudolf, Wiesbaden Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc. Roll shifting device. 1,982,685; Dec. 4.
- Müller, Werner, Cologne-on-the-Rhine, and O. Böger, Dessau-in-Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing readily soluble basic dyes. 1,978,755; Oct. 30.
- Muller, Wolfgang C., Milwaukee, Wis. Pump or motor for hydraulic transmission systems. Re19,349; Oct. 23.
- Muller, Wolfgang C., Cincinnati, Ohio. Variable capacity pump or motor. 1,961,592; June 5.
- Mullett, Howard A., and H. E. Heine, assignors to Bradley Washfountain Company, Milwaukee, Wis. Lavatory fountain. 1,977,079; Oct. 16.
- Mullin, Andrew B. (See Gearhart, P. P., and Mullin.)
- Mullin, Andrew B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Splice vulcanizing apparatus. 1,944,754; Jan. 23.
- Mullin, Andrew B., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tuber head. 1,956,330; Apr. 24.
- Mullin, Andrew B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Buffing machine. 1,956,331; Apr. 24.
- Mullin, Bernard C., Detroit, Mich. Crank and connecting rod connection. 1,979,987; Nov. 6.
- Mullin, Francis R. (See Wagner, George B., assignor.)
- Mullin, Margaret, New York, N. Y. Shoe. Des. 93,786; Nov. 6.
- Mullin, Michael J., Solvay, N. Y. Sewage disposal plant. 1,985,738; Dec. 25.
- Mullins, Ernest E. E., Stockport, England. Remote control apparatus for power driven boats and the like. 1,963,444; June 19.
- Mullins Manufacturing Corporation. (See Beman, Ransom H., assignor.)
- Mullins Manufacturing Corporation. (See Booth, Morris F., assignor.)
- Mullner, Louis. (See Hammerle, P. W., and Mullner.)
- Mulloy, Harold D., Evanston, and F. Cassen, Chicago, Ill. Automobile lock. 1,985,190; Dec. 18.
- Mulqueen, Simon A., Teaneck, N. J. Noncrush ruffle curtain. 1,960,088; May 22.
- Mulroy, William J., Woodhaven, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machines. 1,983,633; Dec. 11.

- Mulroyan, Thomas E., De Kalb, Ill., assignor to The American Steel and Wire Company of New Jersey. Pipe-fitting member. 1,950,947; Mar. 13.
- Multi-Color Arts, Inc. (See Assael, Maurice, assignor.)
- Multicycol Pump & Engine Corporation. (See Hutchison, Miller R., Jr., assignor.)
- Multigraph Company. (See Allen, W. R., and Hartley, assignors.)
- Multigraph Company. (See Chisholm, Clifton, assignor.)
- Multigraph Company. (See Colquhoun, Peter M., assignor.)
- Multigraph Company. (See Lindstrom, H. H., Lawrence, and Bower, assignors.)
- Multigraph Company. (See Morse, Lawrence H., assignor.)
- Multigraph Company. (See Osborn, Henry C., assignor.)
- Multigraph Company. (See Rowell, George S., assignor.)
- Multigraph Company. (See Warwick, Howard J., assignor.)
- Multigraph Company. (See Way, Wilbur A., assignor.)
- Multiple Concrete Machinery Company, The. (See Muenzer, Frank X., assignor.)
- Multipost Co. (See Gay, Azel, assignor.)
- Multi Steel Co. (See Whiteley, John T.)
- Mulvey, Robert J., Chicago, Ill. Roadway power generator. 1,950,993; Mar. 13.
- Mulvill, Joseph C. (See Ventress, R. E., and Mulvill.)
- Mummert, John F., Birmingham, Ala., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Support for horizontal cylindrical tanks. 1,970,571; Aug. 21.
- Mumper, Hewlings, et al. (See Howes, Raymond T., assignor.)
- Münch, Eduard, and F. Nicolai, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing hydrocyanic acid. 1,951,520; Mar. 20.
- Munday, John C., New York, N. Y. Larvicide and making the same. 1,942,532; Jan. 9.
- Munday, Morgan L., et al. (See Baker, William S., assignor.)
- Munday, Richard B., Oakwood, assignor, by mesne assignments, to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Indicating the open and closed positions of the discharge means of a liquid measure. 1,943,138; Jan. 9.
- Munday, Richard B., Oakwood, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Liquid measure. 1,983,239; Dec. 4.
- Mundt, Robert, Cedar Rapids, Iowa. Expanding pistons. 1,983,673; Dec. 11.
- Mundy, Morgan L., et al. (See Baker, William S., assignor.)
- Munford, Theodore W., assignor to Surface Combustion Corporation, Toledo, Ohio. Recuperator. 1,980,077; Nov. 6.
- Mungen, Theodore, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Steel core for steering wheels and the like. 1,967,060; July 17.
- Mungen, Theodore, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method and apparatus for forming outside curls. 1,967,192; July 17.
- Municipal Appliance Company. (See Evans, Ronald C., assignor.)
- Munk, Max M., Washington, D. C. Adding machine. 1,946,174; Feb. 6.
- Munk, Max M., Washington, D. C. Doorlock. 1,966,415; July 10.
- Munn, Lewis H., Birmingham, Ala. Steam and water gauge cock. 1,943,941; Jan. 16.
- Munny Manufacturing Company, The. (See Bollman, Roland R., assignor.)
- Munro, Alexander C., Britannia Beach, British Columbia, Canada. Ball forming machine. 1,961,239; June 5.
- Munro, Herbert C., et al. (See Hoedl, Joseph J., Jr., assignor.)
- Munro, James R., assignor to Caterpillar Tractor Co., San Leandro, Calif. Metallurgical apparatus. 1,944,449; Jan. 23.
- Munroe, Frederic L., assignor to Armstrong Cork Company, Lancaster, Pa. Brake band. 1,979,988; Nov. 6.
- Munroe, Treadway B., assignor to The Celotex Company, Chicago, Ill. Lath trimming machine. 1,965,351; July 3.
- Munroe, Treadway B., and M. D. Coulter, Chicago, Ill. Manufacture of fiber products. 1,968,418; July 31.
- Munroe, Treadway B., and E. C. Lathrop, assignors to The Celotex Company, Chicago, Ill. Composite panel and producing the same. 1,942,723; Jan. 9.
- Munroe, Treadway B., Chicago, and G. E. Swenson, Glencoe, assignors to The Celotex Company, Chicago, Ill. Structural material. 1,976,684; Oct. 9.
- Munroe, Walter C., Arnold, and R. B. Morse, Hyattsville, Md. Apparatus for the preparation of sewage for pumping. 1,946,754; Feb. 13.
- Munson, Burr N., Muncie, Ind., assignor to O. U. Zerk, Chicago, Ill. Vehicle wheel. 1,971,756; Aug. 28.
- Munson, Elmer L., Naugatuck, assignor to The American Brass Company, Waterbury, Conn. Copper alloy welding rod and using the same. 1,966,260; July 10.
- Munson, Fred W. (See Newman, W. J., and Munson.)
- Munson, Garry W., East Orange, N. J. Cushion cap for key operated machines. 1,967,720; July 24.
- Munson, Garry W., East Orange, N. J., and E. Hebel, Woodside, assignors to Munson Supply Company, New York, N. Y. Spring actuated key for typewriters. 1,967,721; July 24.
- Munson, Herbert L., et al. (See Harmon, Arthur R., assignor.)
- Munson, John M., and L. A. Becker, Lakewood, Ohio, assignors, by mesne assignments, to Du Pont Cellophane Company, Inc., New York, N. Y. Apparatus for the manufacture of containers from cellulose sheets. 1,953,122; Apr. 3.
- Munson, Joseph J., Houma, and G. L. Pace, Montegut, La. Gas agitated crystallizing and curing tank. 1,983,805; Dec. 11.
- Munson, Oak E. (See Reeder, A. T., and Munson.)
- Munson Supply Company. (See Munson, G. W., and Hebel, assignors.)
- Munson, Willard T., Dunmore, assignor to H. E. and A. B. Collins, Scranton, Pa., copartners, doing business as Collins Supply & Equipment Co. Thread cleaner. 1,985,664; Dec. 25.
- Munson, Willard T., Dunmore, assignor to H. E. and A. B. Collins, Scranton, Pa., copartners, doing business as Collins Supply & Equipment Co. Tension device. 1,985,665; Dec. 25.
- Munson, Willard T., Dunmore, assignor to H. E. and A. B. Collins, Scranton, Pa., copartners, doing business under name and style of Collins Supply & Equipment Co. Flyer. 1,985,666; Dec. 25.
- Munters, Carl G., Stockholm, Sweden. Heat insulation. 1,969,621; Aug. 7.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,945,975; Feb. 6.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,960,824; May 29.
- Munters, Carl G., and S. M. Bäckström, assignors to Platen-Munters Refrigerating system Aktiebolag, Stockholm Sweden. Refrigeration. Re19,350; Oct. 23.
- Muntz, Eric P., Hamilton, Ontario, Canada. Machine for the production of a plurality of substantially similar units. 1,941,812; Jan. 2.
- Munz, Elmer G., Detroit, Mich. Spray head. 1,964,269; June 26.
- Munz, Ernst Z., Springfield, Ohio. Spraying device. 1,975,903; Oct. 9.
- Munz, Theodore E. (See Buss, O. F., Singleton, Dings, and Munz.)
- Murakami, Katsuo, Tokyo, Japan, assignor to General Electric Company. Electric generator system. 1,952,936; Mar. 27.
- Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Sheet metal strip used in the art of cutting circular and other nonrectangular blanks. 1,948,532; Feb. 27.
- Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Forming scroll edge metal blanks. 1,949,430; Mar. 6.
- Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can end feed mechanism. 1,967,254; July 24.
- Murch, Wilfred M., Hamburg, assignor to National Aniline and Chemical Company, New York, N. Y. Production of pyranthrone dyestuffs. 1,945,405; Jan. 30.
- Murchev Machine & Tool Company. (See Prance, Albert J., assignor.)
- Murchison, C. W., et al. (See Fries, Nestor, assignor.)
- Murdoch, David M., Youngstown, Ohio. Furnace regulator. 1,956,297; Apr. 24.
- Murdoch, James J., Trenton, assignor to Dwight Lumber Company, River Rouge, Mich. Toy speed boat structure. 1,949,757; Mar. 6.
- Murdock, Charles M., Maywood, Calif. Tuning coil shifter. Re19,333; Oct. 2.
- Murdock, Harold R., assignor to The Champion Fibre Company, Canton, N. C. Treating sulphite pulp. 1,968,345; July 31.
- Murgatroyd, John B., London, England, assignor to Hartford-Empire Company, Hartford, Conn. Strengthening glassware by surface treatment. 1,973,501; Sept. 11.
- Murie, Archibald M., Detroit, Mich. Sink cabinet. 1,982,117; Nov. 27.
- Murkham, Leonard W., and D. T. Bennett, London, England. Sound-reproducing device of the electrodynamic or moving-coil type. 1,951,311; Mar. 13.
- Murle Co., The. (See Murray, J. C., and Lewis, assignors.)
- Murn, Charles L., et al. (See Katz, Samuel J., assignor.)
- Murn, James C., Lockport, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Radiator. 1,960,345; May 29.
- Muros, Joseph, Belmont, Mass. Electric flash light. 1,955,511; Apr. 17.
- Muros, Joseph, Belmont, Mass. Camera and film spool therefor. 1,967,061; July 17.
- Muros, Joseph, Belmont, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,953,685; Apr. 3.
- Muros, Joseph, Belmont, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,956,175; Apr. 24.
- Muros, Joseph, Astoria, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,982,878; Dec. 4.
- Murphy, Alfred J., and S. A. E. Wells, Teddington, assignors to J. Stone & Company Limited, Deptford, England. Aluminium alloy. 1,960,916; May 29.

- Murphy, Arthur R., Pens Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes and their preparation. 1,965,201; July 3.
- Murphy, Charles P., Ardmore, Pa. Nail clipper sharpener. 1,942,565; Jan. 9.
- Murphy, Daniel H., West Hartford, Conn., assignor to The Wiremold Company. Electric wiring system. 1,981,742; Nov. 20.
- Murphy, David F. (See Schneider, S., and Murphy.)
- Murphy, David J. (See Johnson, Bernard A., assignor.)
- Murphy, Edmund G., Chicago, Ill. Vacuum tube. 1,981,115; Nov. 20.
- Murphy, Edward A. (See Lane, F. H., Madge, and Murphy.)
- Murphy, Edward A. (See Twiss, D. F., and Murphy.)
- Murphy, Edward A. (See Twiss, D. F., Murphy, and Niven.)
- Murphy, Edward A. (See Twiss, D. F., Murphy, and James.)
- Murphy, Edward A., Wyld Green, Birmingham, England, assignor to Dunlop Rubber Company, Limited. Method and apparatus for forming threads or like filaments from aqueous dispersions of rubber or the like. 1,966,040; July 10.
- Murphy, Edward A., assignor to Dunlop Rubber Company, Limited, Erdington, Birmingham, England. Manufacture of rubber. 1,970,469; Aug. 14.
- Murphy, Edward A., Erdington, assignor to Dunlop Rubber Company, Limited, Birmingham, England. Road surfacing composition and the like. 1,970,470; Aug. 14.
- Murphy, Edward A., Erdington, Birmingham, England, assignor to Dunlop Rubber Co., Ltd. Rubber composition and making the same. 1,978,813; Oct. 30.
- Murphy, Edward A., Erdington, Birmingham, and E. W. B. Owen, Walmley, England, assignors to Dunlop Rubber Company Limited. Forming ornamental surfaces from dispersed media. 1,947,870; Feb. 20.
- Murphy, Edward A., Wyld Green, and R. G. James, Selly Oak, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Production of rubber articles. 1,947,871; Feb. 20.
- Murphy, Edward A., and W. G. Gorham, assignors to Dunlop Rubber Company, Limited, Erdington, Birmingham, England. Device for use in making threads. 1,951,029; Mar. 13.
- Murphy, Edward A., Erdington, Birmingham, and D. F. Twiss, Wyld Green, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited. Rubber goods and method of manufacturing the same. 1,952,041; Mar. 20.
- Murphy, Edward A., and A. Niven, Erdington, Birmingham, and D. F. Twiss, Wyld Green, England, assignors to Dunlop Rubber Company, Limited. Manufacture of rubber articles. 1,953,972; Apr. 10.
- Murphy, Edward A., Wyld Green, and R. G. James, Ward End, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Extensible thread testing device. 1,962,028; June 5.
- Murphy, Edward A., Wyld Green, and R. G. James, Ward End, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Supplying thread under extension, for example in covering machines. 1,962,029; June 5.
- Murphy, Edward A., Erdington, D. F. Twiss, Wyld Green, and R. G. James, Selly Oak, assignors to Dunlop Rubber Company Limited, Fort Dunlop, Erdington, Birmingham, England. Manufacture of golf balls and the like. 1,978,812; Oct. 30.
- Murphy, Edward J., Lynbrook, N. Y. Freezing apparatus. 1,961,069; May 29.
- Murphy, Edward J., Lynbrook, N. Y. Freezing apparatus. 1,961,070; May 29.
- Murphy, Francis S., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 91,492; Feb. 13.
- Murphy, Fred K., R. W. Retterer, and F. K. Mitchell, Indianapolis, Ind. Water indicator. 1,946,175; Feb. 6.
- Murphy, George F., Schenectady, N. Y., assignor to General Electric Company. Grid electrode. 1,957,223; May 1.
- Murphy, George F., Schenectady, N. Y., assignor to General Electric Company. Apparatus for manufacturing wound grid electrodes. 1,974,312; Sept. 18.
- Murphy, George M. (See Johnson, G. T., and Murphy.)
- Murphy, George M., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car coupler. 1,966,765; July 17.
- Murphy, James, Chicago, Ill. Railway brake head and shoe. 1,983,302; Dec. 4.
- Murphy, James F., assignor of one-half to J. W. Gleason, Lansing, Mich. Extension ladder and section lock. 1,949,972; Mar. 6.
- Murphy, John F., Louisville, Ky. Materials feeding mechanism. 1,975,015; Sept. 25.
- Murphy, John N., assignor of one-half to A. F. Maurer, Springfield, Ill. Water closet construction. 1,967,680; July 24.
- Murphy, John N., assignor of one-half to A. F. Maurer, Springfield, Ill. Radiator. 1,973,577; Sept. 11.
- Murphy, John P., La Crosse, Kans. Window sash lock. 1,949,025; Feb. 27.
- Murphy, Joseph. (See Flehr, Paul D., assignor.)
- Murphy, Lloyd T., Chattanooga, Tenn. Laminated board making machine. 1,981,321; Nov. 20.
- Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
- Murphy, Philip H., Wisdom, Mont. Making stencils. 1,973,151; Sept. 11.
- Murphy, Richard C. (See de Giers, Clarence A., assignor.)
- Murphy, Thomas J., Stamford, Conn. Split cycle motor. 1,963,669; June 19.
- Murphy, Thomas W., Bala-Cynwyd, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Nozzle. 1,982,228; Nov. 27.
- Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Hopper car construction. 1,949,080; Feb. 27.
- Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. End wall for refrigerator cars. 1,979,009; Oct. 30.
- Murray, Albert L., Auburn, Ind. Shoe sole. Des. 92,670; July 3.
- Murray, Albert L., Auburn, Ind. Method of forming cement receptive backing for rubber soles. 1,950,258; Mar. 6.
- Murray, Albert L., Auburn, Ind. Attaching surfaces by rubber. 1,961,908; June 5.
- Murray, Albert L., Auburn, Ind. Attaching shoe soles. 1,965,297; July 3.
- Murray, Albert L., Auburn, Ind. Rubber sole and heel. 1,985,578; Dec. 25.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Developing gelatin reliefs and making metal casts therefrom. 1,942,872; Jan. 9.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Controlled reduction of photographic images. 1,950,903; Mar. 13.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Photo-mechanical resist. 1,957,900; May 8.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Photomechanical resist. 1,965,710; July 10.
- Murray, Arthur G. (See Mendoza, M., and Murray.)
- Murray, Arthur G. (See Mendoza, M., Murray and Briggs.)
- Murray, Charles, New York, N. Y. Corsage pin. Des. 93,176; Aug. 28.
- Murray, Charles, New York, N. Y. Corsage holder. 1,965,152; July 3.
- Murray, Charles L., Waco, Tex. Automatic advertising display device. 1,964,856; July 3.
- Murray Company, The. (See Blewett, John, assignor.)
- Murray Corporation of America, The. (See Anderson Roy F., assignor.)
- Murray Corporation of America, The. (See Avery, Clarence W., assignor.)
- Murray Corporation of America, The. (See Fitzpatrick, Wilfrid E., assignor.)
- Murray Corporation of America, The. (See Galley, Joseph, assignor.)
- Murray Corporation of America, The. (See Menton, Joseph B., assignor.)
- Murray Corporation of America, The. (See Northup, Amos E., assignor.)
- Murray Corporation of America, The. (See Vehko, James, assignor.)
- Murray Corporation of America, The. (See Widman, Charles H., assignor.)
- Murray, Edgar A., Company. (See Spokes, Ray E., assignor.)
- Murray, Edward J. (See Cantwell, Joseph M., assignor.)
- Murray, Ernest E. (See Myers, J. W., and Murray.)
- Murray, Frank, Reading, assignor to The Narrow Fabric Co., West Reading, Pa. Stop actuating mechanism for braiding machines. 1,961,620; June 5.
- Murray, Frederick L. S. (See Murray, Thomas S. and F. L. S.)
- Murray, Frederick W., Washington, D. C. Transmission Device. 1,953,054; Mar. 27.
- Murray, George, New York, N. Y. Drying rack. 1,962,205; June 12.
- Murray, George H., Nixon, N. J. Laminated safety glass. 1,958,013; May 8.
- Murray, Guy L., Leeds, assignor of one-half to N. R. Davis, London, England. Identification means for tools. 1,984,839; Dec. 18.
- Murray, Harry A., Jr., New York, N. Y., and G. D. Patterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous emulsion. 1,970,572; Aug. 21.
- Murray, Harry D., Grove City, Pa., assignor to The Cooper-Bessemer Corporation, Mount Vernon, Ohio. Gas engine. 1,982,229; Nov. 27.
- Murray, Horace W., Bradford, Mass. Making single soled shoes. 1,976,135; Oct. 9.
- Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Radio selective control system. 1,967,681; July 24.
- Murray, Howard J., New York, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Circuit controlling device. 1,977,887; Oct. 23.
- Murray, Humphrey D., and D. A. Spencer, South Kensington, London, assignors of one-third to Colour Photographics (British and Foreign) Limited, London, England. Colored photographic image and producing same. 1,968,956; Aug. 7.
- Murray Iron Works Company. (See Dahlstrand, Josef Y., assignor.)
- Murray Iron Works Company. (See Finck, Moffatt E., assignor.)
- Murray, James D., Lakemba, New South Wales, Australia. Land wheel. 1,943,620; Jan. 16.

- Murray, James S., assignor, by mesne assignments, to associated Electric Laboratories, Inc., Chicago, Ill. Meter testing arrangement. 1,984,688; Dec. 18.
- Murray, John C., and W. S. Lewis, Rocky River, assignors to The Murlie Co., Cleveland, Ohio. Hair waving device. 1,974,625; Sept. 25.
- Murray, John F., et al., executors. (See Murray, Thomas E.)
- Murray, Joseph B., et al., executors. (See Murray, Thomas E.)
- Murray, Louis W. (See Seabury, R. L., and Murray.)
- Murray-Ohio Manufacturing Company, The. (See Kraefft, Herman L., assignor.)
- Murray, Paul, Brooklyn, N. Y. Vehicle body for barrels. 1,985,739; Dec. 25.
- Murray, Pexton F., Montebello, Calif. Bacon rind removing machine. 1,958,797; May 15.
- Murray, Richard S., et al. (See Murray, William M., assignor.)
- Murray, Thomas, McKeesport, Pa. Valve. 1,958,858; May 15.
- Murray, Thomas E., deceased, Brooklyn, N. Y., J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler. 1,951,165; Mar. 13.
- Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B., T. E., jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler construction. 1,953,768; Apr. 3.
- Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Device Corporation. Combination high tension switch fuse. 1,954,220; Apr. 10.
- Murray, Thomas E., jr., Brooklyn, and H. H. Williams, deceased, New York; Mabel S. Williams, executrix, assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Production of vehicle wheels. 1,953,361; Apr. 3.
- Murray, Thomas E., jr., et al., executors. (See Murray, Thomas E.)
- Murray, Thomas F., jr. (See Staud, C. J., and Murray.)
- Murray, Thomas F., New York, N. Y. Table. Des. 92,546; June 19.
- Murray, Thomas F., New York, N. Y. Folding chair. 1,949,282; Feb. 27.
- Murray, Thomas F., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Protective overcoating. 1,958,711; May 15.
- Murray, Thomas F., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Light filtering overcoating. 1,969,473; Aug. 7.
- Murray, Thomas F., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Light filtering overcoating. 1,976,359; Oct. 9.
- Murray, Thomas F., jr., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing derivatives of diethylene glycol. 1,946,635; Feb. 13.
- Murray, Thomas F., jr., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing cyclo hexanone and ortho-cresyl para-toluene sulphonate. 1,954,326; Apr. 10.
- Murray, Thomas J. (See Jones, C. W., Murray, and Andersen.)
- Murray, Thomas S. and F. L. S., Rotherhithe, London, England. Cooling apparatus for beer or other beverage contained in casks. 1,962,322; June 12.
- Murray, William H. G., Syracuse, N. Y. Tobacco can. 1,982,446; Nov. 27.
- Murray, William M., assignor of one half to L. L. Robinson, and one half to R. S. Murray, Los Angeles, Calif. Osteo-rotor. 1,950,948; Mar. 13.
- Murray, William S. (See Gray, D., and Murray.)
- Murray, William S., Utica, and D. Gray, Sherrill, assignors to Oneida Community, Limited, Oneida, N. Y. Electroplating bath. 1,965,251; July 3.
- Murrill, Paul L., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Treatment of motor fuel. 1,947,219; Feb. 13.
- Murrin, Gahlbeth H., San Diego, Calif. Razor blade sharpener. 1,955,759; Apr. 24.
- Murtaugh, John F., Denver, Colo., assignor to American Manganese Steel Company, Chicago, Ill. Driving tumbler. 1,953,382; Apr. 3.
- Murtaugh, John J., Jr., Floral Park, N. Y., assignor to Mosler Safe Co., Hamilton, Ohio. Depository. 1,949,283; Feb. 27.
- Murtaugh, Joseph P., assignor to American Manganese Steel Company, Chicago Heights, Ill. Excavating implement. 1,945,064; Jan. 30.
- Musante, Augustine F. S. (See Alleman, G., and Musante.)
- Muschong, Peter J., St. Louis, Mo., assignor to Metallic Sash-Operator Company. Gear pinion. 1,941,994; Jan. 2.
- Muse, Melvin E., Richmond, Va., assignor to W. F. Lee. Luminous discharge lamp. 1,955,971; Apr. 24.
- Muse, Melvin E., Richmond, Va., assignor to W. F. Lee. Illuminated telephone dial. 1,955,972; Apr. 24.
- Musgrave, Joseph L., London, England. Magnetically operated valve. 1,968,957; Aug. 7.
- Musgrave, Mark, Pittsburg, Kans., assignor to V. H. Musgrave, Springfield, Ohio. Testing machine. 1,974,118; Sept. 18.
- Musgrave, Thomas P., East Orange, N. J. System of seating. 1,980,497; Nov. 13.
- Musgrave, Vanita H. (See Musgrave, Mark, assignor.)
- Musil, Ludwig, assignor to Ruthsaccumulator Aktiebolag, Berlin, Germany. Distribution of heat energy. 1,972,571; Sept. 4.
- Muskegon Piston Ring Co. (See Sundberg, Gustave L., assignor.)
- Muskegon Reliable Tire & Accessories Co. (See Close, Ralph B., assignor.)
- Mussbach, Ernst, New York, N. Y. Window attachment. 1,979,808; Nov. 6.
- Musselman, Alvin J., Cuyahoga Falls, Ohio. Foot pedal. 1,974,247; Sept. 18.
- Musselman, Amos S., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Temperature control. 1,974,992; Sept. 25.
- Musselman, Henry E., assignor to Atlas Press Company, Kalamazoo, Mich. Wheel alignment testing device. 1,950,994; Mar. 13.
- Musselwhite, Harry E., assignor to L. E. Crouch and D. W. Cushman, Portland, Oreg. Low grade fuel vaporizer for internal combustion engines. 1,980,496; Nov. 13.
- Mussen, Donald N., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner motor. 1,969,092; Aug. 7.
- Musset, Francois, Cognac, France. Producing stabilized mixture of spirit and water. 1,978,320; Oct. 23.
- Mussey, William H. (See Blomberg, M. P., and Mussey.)
- Mussey, William H., Chicago, Ill., assignor, by mesne assignments, to Pullman Car & Manufacturing Corporation. Rubber spring. 1,941,995; Jan. 2.
- Mussey, William H., Chicago, Ill., assignor, by mesne assignments, to Pullman Car & Manufacturing Corporation. Equalizer seat cushion. 1,941,996; Jan. 2.
- Mussey, William H., Chicago, Ill., assignor, by mesne assignments, to Pullman Car & Manufacturing Corporation. Car heating assembly. 1,951,521; Mar. 20.
- Mussey, William H., Chicago, Ill., assignor, by mesne assignments, to Pullman Car and Manufacturing Corporation. Draft and buffing mechanism. 1,958,490; May 15.
- Mussy, René, Hempstead, N. Y. Apparatus for waving hair. 1,946,444; Feb. 6.
- Mustee, Joseph E., University Heights, Ohio. Hot water heater. Re19,173; May 22.
- Mustin, Herbert S., Marion, Ohio. Burial vault. 1,956,873; May 1.
- Mustonen, Henry T., Little Neck, N. Y. Automatic roaster apparatus. 1,981,603; Nov. 20.
- Mustonen William P., Quincy, Mass. Blower pipe system. 1,957,975; May 8.
- Musyl, Rupert. (See Ollinger, W. J., and Musyl.)
- Mutchler, Arthur W., and S. P. Snyder, Brooklyn, assignors to Julius Kayser & Co., New York, N. Y. Knitting machine. 1,976,960; Oct. 16.
- Muter Company, The. (See McWeeny, John L., assignor.)
- Muter Company, The. (See Wiggins, Edward J., assignor.)
- Muth, Friedrich. (See Hartmann, E., and Muth.)
- Muth, Friedrich, and A. Schmelzer, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substitution products of the carbazole sulphonic acids. 1,973,012; Sept. 11.
- Muth, Friedrich, Leverkusen-I.-G. Werk, and A. Modersohn, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble azodyestuffs. 1,973,013; Sept. 11.
- Muth, Herbert. (See Runge, W., Muth, and Prinz.)
- Muth, Herbert, assignor, to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Support for high frequency apparatus. 1,944,262; Jan. 23.
- Mutsaers, Johannes P. M., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge lamp device. 1,984,489; Dec. 18.
- Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. X-ray system. 1,946,176; Feb. 6.
- Mutscheller, Arthur, New York, N. Y., assignor to Westinghouse X-Ray Company. Evacuating process. 1,950,008; Mar. 6.
- Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. Thermionic cathode X-ray stabilizer system. 1,953,889; Apr. 8.
- Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. Change-over system. 1,961,705; June 5.
- Mutscheller, Arthur, New York, assignor to Wappler Electric Company, Inc., Long Island City, N. Y. Vacuum discharge tube. 1,965,665; July 10.
- Mutscheller, Arthur, New York, assignor to Wappler Electric Company, Inc., Long Island City, N. Y. Safety system for small X-ray units. 1,973,415; Sept. 11.
- Mutschler, A. & H. G. Inc. (See Mutschler, Albert, assignor.)
- Mutschler, Albert, assignor to A. & H. G. Mutschler Inc., Rochester, N. Y. Perforating and forming apparatus. 1,950,688; Mar. 13.
- Mutschler Brothers Company. (See Landaw, Oak, assignor.)
- Mutter, Erik, New Brighton, N. Y., assignor to Standard Oil Development Company. Method of and apparatus for treating hydrocarbons. 1,973,294; Sept. 11.
- Mutterperl, Sol, Inc. (See Lending, Isidore, assignor.)
- Mutual Chemical Company of America. (See Tarr, Omar F., assignor.)

- Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Engine operated fuel pump. 1,965,666; July 10.
- Myer, Jesse M., University City, Mo. Support for concrete dividers. 1,945,784; Feb. 6.
- Myer, Mollie, New York, N. Y. Catamenial garment. 1,952,213; Mar. 27.
- Myers, Adolph A., and E. W. Archer, Louisville Ky. Ironer. 1,948,225; Feb. 20.
- Myers, Bon E., assignor to Sioux Metal Products Company, Sioux City, Iowa. Sash control for sliding windows. 1,944,450; Jan. 23.
- Myers, David N., Cleveland, Ohio. Preparation of bituminous emulsions. 1,957,031; May 1.
- Myers, Don D., and S. N. Hurt, assignors to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,941,849; Jan. 2.
- Myers, Donald H. (See Myers, George D. and D. H.)
- Myers, E. A., & Sons. (See Lybarger, Samuel F., assignor.)
- Myers, Ebenezer, Concord, N. C. Dimmer double reflector. 1,946,755; Feb. 13.
- Myers, Elias G., Toledo, Ohio, assignor to The Myers-Sherman Company, Chicago, Ill. Hammer mill. 1,960,346; May 29.
- Myers, F. E., and Bro. Company, The. (See Myers, Philip A., assignor.)
- Myers, George D. and D. H., Cincinnati, Ohio. Time service system. 1,967,778; July 24.
- Myers, George F., Jackson Heights, N. Y. Aircraft. 1,970,812; Aug. 21.
- Myers, George F., Jackson Heights, N. Y. Talking motion-picture machine. 1,974,688; Sept. 25.
- Myers, Hansford J., assignor of one-half to W. A. Warren, Long Beach, Calif. Automatic adjustment for step-ladders. 1,982,172; Nov. 27.
- Myers, Harry A., Franklin, Pa. Weather-strip. 1,949,321; Feb. 27.
- Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary disk edging machine. 1,951,105; Mar. 15.
- Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Portable bench sander. 1,968,257; July 31.
- Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Ventilated sander. 1,969,318; Aug. 7.
- Myers, Harry S., Van, Pa. Holst attachment for tractors. 1,974,248; Sept. 18.
- Myers, Herbert B., Little Rock, Ark. Coin handling mechanism. 1,952,563; Mar. 27.
- Myers, Janet I., Chicago, Ill. Diaper. 1,954,457; Apr. 10.
- Myers, John G., Rome, assignor to General Cable Corporation, New York, N. Y. Coil winding mandrel. 1,942,113; Jan. 2.
- Myers, John W., Roanoke, Va., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,961,071; May 29.
- Myers, Joseph S., Oakland, Calif. Windshield cleaner. 1,944,260; Jan. 23.
- Myers, Joseph W., Philadelphia, Pa., and E. E. Murray, Jackson, Mich. Water mixer. 1,948,044; Feb. 20.
- Myers, Latimer D. (See Reddish, W. T., and Myers.)
- Myers, Leonard D., Washington, D. C., assignor to Martin-Parry Corporation, York, Pa. Windshield control. 1,966,993; July 17.
- Myers, Leonard D., Washington, D. C., assignor to Martin-Parry Corporation, York, Pa. Automobile windshield control. 1,974,783; Sept. 25.
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,953,428; Apr. 3.
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,964,927; July 3.
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,983,482; Dec. 4.
- Myers, Lewis H., assignor to Provident Trust Company of Philadelphia, Philadelphia, Pa. Yarn tensioning device. 1,967,210; July 17.
- Myers, Lewis H., assignor to Provident Trust Company of Philadelphia, Philadelphia, Pa. Yarn tensioning device. 1,967,211; July 17.
- Myers, Louis, Chicago, Ill. Ladle. 1,956,224; Apr. 24.
- Myers, Louis, Chicago, Ill. Ladle. 1,982,015; Nov. 27.
- Myers, Myron L., Elizabeth, N. J., assignor to United Dry Docks, Incorporated, New York, N. Y. Coating metallic objects. 1,979,486; Nov. 6.
- Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sender testing system. 1,958,635; May 15.
- Myers, Philip A., assignor to The F. E. Myers and Bro. Company, Ashland, Ohio. Power head for a pump. 1,942,611; Jan. 9.
- Myers, Philip A., assignor to The F. E. Myers and Bro. Company, Ashland, Ohio. Double acting pump cylinder. 1,943,034; Jan. 9.
- Myers, Philip A., assignor to The F. E. Myers and Bro. Company, Ashland, Ohio. Power head for a pump. 1,943,139; Jan. 9.
- Myers, Pirl B., El Reno, Okla. Spring roller adhesive plaster rack. 1,965,507; July 3.
- Myers, Raymond E., Louisville, Ky. Casting apparatus. 1,962,456; June 12.
- Myers, Robert L., San Diego, Calif. Tube cutter. 1,945,949; Feb. 6.
- Myers, Rolland D., Edgewood Arsenal, Md. Drying solids. 1,966,456; July 17.
- Myers, Scott P., et al. (See Price, Albert C., assignor.)
- Myers-Sherman Company, The. (See Myers, Elias G., assignor.)
- Myers, Thomas G., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Shaft coupling. 1,978,814; Oct. 30.
- Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary hook for sewing machines. 1,970,428; Aug. 14.
- Myers, Wilbur, Prairieville, and F. Thomas, Sterling, Ill., assignors, by mesne assignments, to Big Rock Ranch Company, Los Angeles, Calif. Side loading hearse. 1,965,965; July 10.
- Myhre, Chris O., Spring Grove, Minn. Calf weaner. 1,947,273; Feb. 13.
- Myhren, Arne J., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Treatment of zinciferous material. 1,973,259; Sept. 11.
- Myhrum, Thomas, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Die press for punching and shaping metal parts. 1,962,281; June 12.
- Mylus, Walter G. (See Bradshaw, W. M., Mylius, and La Bar.)
- Mylus, Walter G. (See Rutter, A. R., and Mylius.)
- Myting, Lauritz E., Hamburg, Pa., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Shaft and applying noncorrosive metallic sheathing thereto. 1,942,304; Jan. 2.
- N. D. Q. Specialty Corporation. (See Schrell, Paul E., assignor.)
- N. V. Gemeenschappelyke Mynbouwmaatschappij Billiton. (See van Hasselt, Charles H., assignor.)
- N. V. Küchenmeister's Internationale Maatschappij voor Sprekende Films, Amsterdam-Film. (See Ehrenhaft, Franz, assignor.)
- N. V. Maatschappij tot Beheer en Exploitatie van Octrooien. (See Pond, Leander N., assignor.)
- N. V. Maatschappij tot Beheer en Exploitatie van Octrooien. (See Von Reis, Lambert, assignor.)
- N. V. Nederlandsche Instrumenten Compagnie. (See Burkhardt, Otto, assignor.)
- N. V. Nederlandsche Instrumenten Compagnie "Nedinsco". (See Steinle, Adolf, assignor.)
- N. V. Nederlandsche Instrumenten Compagnie "Nedinsco". (See Steinle, A., and Schreiber, assignors.)
- N. V. Nederlandsche Instrumenten Compagnie "Nedinsco". (See van der Bergh, Samuel J., assignor.)
- N. V. Noord-West Orion Handel Maatschappij. (See Brandus Ernst, assignor.)
- N. V. Philips Gloeilampenfabrieken. (See Alink, R. J. H., and de Boer, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See de Boer, J. H., and Dippel, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See Druyvesteyn, Mari J., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Holst, Gilles, assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Holst, G., and Bouwers, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See Kuntke, Alfred, assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Mulder, Johannes G. W., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Mulder, J. G. W., and Kuntke, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See Six, W., and Metzelaar, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See van Braam van Vloten, Pieter, assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See van Llempt, Johannes A. M., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Vingerhoets, Antonius W., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Voorhoeve, N. A. J., and de Jong, assignors.)
- N. V. Philips' Glowlampworks. (See Alexander, Johan W., assignor.)
- N. V. Stikstofbindingsindustrie "Nederland". (See König, Hermann T. J., assignor.)
- N. V. Tot Kewring Van Electrotechnische Materialen. (See de Zoeten, Gisbertus, assignor.)
- N. V. Vitrite Works, The. (See Ghysen, Huibert C., assignor.)
- Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Heat exchanger. 1,967,837; July 24.
- Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor controlling device. 1,982,264; Nov. 27.
- Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Al, Jan, assignor.)
- Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Hofsäsz, Max, assignor.)
- Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Huijser, H. W., and Van Melsen, assignors.)

- Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Langedijk, Siegfried L., assignor.)
- Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See van Dijk, Willem J. D., assignor.)
- Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See van Peski, Adrianus J., assignor.)
- Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (See Van Peski, A. J., and Lorange, assignors.)
- Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Waterman, Hein L., assignor.)
- Naamlooze Vennootschap "Elin" Nederlandsche Maatschappij voor elektrische Industrie. (See Bergmann, S., and Charwat, assignors.)
- Naamlooze Vennootschap Havenbedrijf Vilaardingen-Oost. (See Neffendorf, Paul (gen Gaertner), assignor.)
- Naamlooze Vennootschap: Maatschappij tot Exploitatie van "ten Bosch Octrooien N. V." (See Ten Bosch Abraham, NJzn, assignor.)
- Naamlooze Vennootschap: Machinefabriek G. Dijkers & Co. et al. (See Bargeboer, Adolf, assignor.)
- Naamlooze Vennootschap "Morpheus". (See Beurschgens, Lambertus, assignor.)
- Naamlooze Vennootschap Technische Hamdelmaatschappij voor Raamconstructies. (See Wiersma, Gerrit D. and D. D., assignors.)
- Naamlooze Vennootschap: Bakovenbouw voorheen H. P. den Boer. (See den Boer, Hendrik P., assignor.)
- Nabors, William C., Mansfield, La. Brake mechanism for vehicles. 1,951,765; Mar. 20.
- Nacey, Harry M., and F. W. Jackson, Chicago, Ill. Mercury retard switch. 1,954,364; Apr. 10.
- Nachman Spring-Filled Corporation. (See Hanauer, Darwin, assignor.)
- Nachman Spring-Filled Corporation. (See Suekoff, Louis A., assignor.)
- Nachtigal, Daniel, Austin, Minn. Combined potato grader and cutter. 1,961,009; May 29.
- Nachtman, John S., and C. G. Thomas, Warren, Ohio. Method of and apparatus for electropickling metal. 1,950,689; Mar. 13.
- Nachtrieb, Charles G., Berwyn, Ill. Hinge. 1,943,691; Jan. 16.
- Nachumsohn, Irving, assignor to Naxon Corporation, Chicago, Ill. Sign flasher. 1,984,939; Dec. 18.
- Nack, Leo W., Chicago, Ill. Cable reel. 1,972,572; Sept. 4.
- Nacker, Owen M., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Valve slack adjuster. 1,970,764; Aug. 21.
- Nadel, Louis, assignor to Pierce Steel Pile Corporation, New York, N. Y. Composite pile. 1,971,691; Aug. 28.
- Nadel, Louis, assignor to Pierce Steel Pile Corporation, New York, N. Y. Method and apparatus for forming concrete piles. 1,971,692; Aug. 28.
- Nadelman, Elias, Washington, D. C. Nail setting tool. 1,960,390; May 29.
- Nadelson, Samuel, New York, N. Y. Paper roll and feeding and cutting device. 1,967,422; July 24.
- Nadler, Carl S., Houma, La. Hydraulic bearing. 1,978,218; Oct. 23.
- Naeder, Henry, assignor of one-half to E. W. Reitermann, St. Louis, Mo. Brake mechanism. 1,943,184; Jan. 9.
- Naeher, Paul. (See Allison, C. F., and Naeher.)
- Naewiger, Wilhelm, Dresden, Germany. Roll film for photographic cameras. 1,944,132; Jan. 16.
- Naftel, George W., Ontario, and G. R. Roe, Pomona, Calif. Siphonic fertilizer applicator. 1,955,308; Apr. 17.
- Naftzger, Florence H., Sioux City, Iowa. Window fixture. 1,945,356; Jan. 30.
- Nafziger, Ralph L., Kansas City, Mo. Controlling engines, etc. 1,956,978; May 1.
- Nagal, Alexander, heir. (See Nagal, Chogi.)
- Nagal, Chogi, deceased, Shibuya-Machi, Toyotama-Gun, Tokyo, Japan, by A. Nagal, heir, Berlin, Germany. Synthetically producing ephedrin homologue and its salts. 1,973,647; Sept. 11.
- Nagashev, Boris V., Cambridge, Mass., assignor to General Electric Company. Electric motor. 1,969,520; Aug. 7.
- Nagel-Chase Mfg. Co., The. (See Nagel, Theodore, assignor.)
- Nagel, Hugo, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 1,974,655; Sept. 25.
- Nagel, Hugo, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 1,984,078; Dec. 11.
- Nagel, Ray H. (See Goggins, P. H., and Nagel.)
- Nagel, Theodore, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. Des. 93,841; Nov. 13.
- Nagel, Theodore, Brooklyn, N. Y., assignor to Carburetted Gas, Inc. Carbureting process. 1,958,201; May 8.
- Nagel, William G., assignor, by mesne assignments, to The Commerce Guardian Bank, Toledo, Ohio, trustee. Auxiliary liquid level indicating means. 1,976,266; Oct. 9.
- Nagel, Willie, Fredericksburg, Tex. Attachment for eyeglasses. 1,973,648; Sept. 11.
- Nagelvoort, Adriaan, assignor to Delaware Chemical Engineering Company, Wilmington, Del. Cleaning iron and steel. 1,943,875; Jan. 16.
- Nagelvoort, Adriaan, assignor to Delaware Chemical Engineering Company, Wilmington, Del. Treating coal. 1,960,917; May 29.
- Nagelvoort, Adriaan, assignor to Delaware Chemical Engineering Company, Wilmington, Del. Extracting sulphur. 1,963,921; June 19.
- Nagle, George E., Columbus, Ohio. Cellular retaining wall. 1,953,005; Mar. 27.
- Nagle, Peter J. (See Zaiger, Max, assignor.)
- Nagy, Arpad B., Budapest, Hungary, assignor to Kork-N-Seal Limited, London, England. Machine for manufacturing capsules. 1,978,756; Oct. 30.
- Nagy, Elmer V., and A. C. Elder, assignors of twenty percent to A. Rothenberg, Los Angeles, Calif. Liquid treating device. 1,984,689; Dec. 18.
- Nahas, Michel, Paris, France. Fastener for hand bags. 1,953,055; Mar. 27.
- Naher, Arthur, Scranton, Pa. Renewable fuse. 1,974,119; Sept. 18.
- Naher, Frederick C., Scotia, N. Y. Tube expander. 1,942,612; Jan. 9.
- Nahigyan, Kevork K. (See Daniels, F. H., and Nahigyan.)
- Nahigyan, Kevork K., assignor to Riley Stoker Corporation, Worcester, Mass. Gas scrubber. 1,984,690; Dec. 18.
- Nahm, John F. (See Nahm, Louis A., assignor.)
- Nahm, John F. and L. A., St. Louis, Mo. Case or carton. 1,977,888; Oct. 23.
- Nahm, Louis A. (See Nahm, John F. and L. A.)
- Nahm, Louis A., assignor of one-half to J. F. Nahm, St. Louis, Mo. Case or carton. 1,965,049; July 3.
- Najarian, Herand K. (See Weaton, G. F., Najarian, and Dowd.)
- Nakajima, Tomomasa, and K. Takayanagi, Hamamatsu, Japan. Cathode ray tube. 1,981,322; Nov. 20.
- Nakano, Rikio, Honolulu, Hawaii. Ignition point file. 1,949,128; Feb. 27.
- Nakashian, Luke L., Worcester, Mass. Power transmitting coupling or clutch. 1,953,187; Apr. 3.
- Nakashima, Tomomasa, and K. Takayanagi, Hamamatsu, Japan. Modulation system. 1,953,769; Apr. 3.
- Nakazono, Arthur S., Richmond Highlands, Wash. Leather lacing needle. 1,949,576; Mar. 6.
- Nakken Patents Corporation. (See Nakken, Theodor H., assignor.)
- Nakken, Theodor H., New York, N. Y., assignor to Nakken Patents Corporation. Photoelectric tube. 1,943,984; Jan. 16.
- Nakken, Theodor H., New York, N. Y., assignor to Nakken Patents Corporation. Solid surface area illuminator. 1,955,084; Apr. 17.
- Nakken, Theodor H., Brooklyn, N. Y., assignor to Nakken Patents Corporation. Harmonic neutralizing amplifier. 1,949,217; Feb. 27.
- Nalinne, Victor H., Brussels, Belgium. Combined wheel for roads and rails. 1,951,522; Mar. 20.
- Nall, Elmer L., Wheaton, Ill. Liquid-dispensing device. 1,964,644; June 26.
- Nall, Julian E., Louisville, Ky. Hydraulic brake safety device. 1,968,702; July 31.
- Nalle, John M., Fairfield, Conn., assignor to American Chain Company, Inc. Controlling oscillations of vehicle bodies. 1,984,539; Dec. 18.
- Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Carburetor. 1,973,353; Sept. 11.
- Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Power-driven vehicle. 1,974,033; Sept. 18.
- Namet, Julius, Freedom, assignor of one-third to A. B. Gardella, Cleveland, and one-third to G. C. Guckes, Lakewood, Ohio. Electric cord take-up device. 1,977,347; Oct. 16.
- Namur, Carl, assignor to Specialty Brass Company, Kenosha, Wis. Bottle capping apparatus. 1,981,565; Nov. 20.
- Nance, William B., Berkeley, Calif. Drain trap. 1,958,712; May 15.
- Nanfaldt, Ernest, New Haven, Conn., assignor to Respro, Inc., Cranston, R. I. Light projecting device. 1,964,591; June 26.
- Nanfaldt, William, assignor to World Bestos Corporation, Paterson, N. J. Making brake linings containing frictioning compounds. 1,959,686; May 22.
- Nanfaldt, William, Clifton, assignor to World Bestos Corporation, Paterson, N. J. Brake lining compound and manufacturing it. 1,980,221; Nov. 13.
- Naoum, Phokion, and R. v. Sommerfeld und Falkenhayn, Leverkusen-Schleibusch, near Cologne, assignors to Dynamit-Actien-Gesellschaft vormals Alfred Nobel & Co., Cologne, Germany. Process for the production of ammonium nitrate base explosive charges capable of being poured or cast. 1,968,158; July 31.
- Napier Company, The. (See Campbell, Le Roy W., assignor.)
- Napier Company, The. (See Schuelke, Emil A., assignor.)
- Napier, D., & Son Limited. (See Vigers, R. W., and Chatterton, assignors.)
- Napier, James A. T., assignor of two-thirds to E. J. and H. J. Hall, London, England. Power press and the like. 1,958,151; May 8.
- Napier, Melvin J., Akron, and A. B. Schultz, Cleveland, Ohio. Placing apparatus. 1,977,348; Oct. 16.
- Napolitan, Gene, Brooklyn, N. Y. Vehicle brake. 1,947,272; Feb. 13.
- Naramore, Floyd A. (See Christianson, O. A., and Naramore.)

- Nardiello, Manuel V., Toledo, Ohio, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Capping machine for specimens. 1,984,691; Dec. 18.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine controlling apparatus. 1,948,993; Feb. 27.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,951,031; Mar. 13.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,951,032; Mar. 13.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 1,951,487; Mar. 20.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,965,050; July 3.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 1,967,966; July 24.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. 1,969,661; Aug. 7.
- Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. 1,977,007; Oct. 16.
- Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Starter mechanism. 1,982,173; Nov. 27.
- Nardone, Romeo M., Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 1,951,030; Mar. 13.
- Nardone, Romeo M., Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 1,979,170; Oct. 30.
- Nardulli, Michael J. and P. F., assignors of seventy-five per cent to H. Levy, Chicago, Ill. Machine for crocheting a sheathing about a core. 1,965,298; July 3.
- Nardulli, Peter F. (See Nardulli, Michael J. and P. F.)
- Nargi, John R., assignor of one-half to M. Nargi, Bridgeport, Conn. Cross chain for antiskid chains. 1,953,495; Apr. 3.
- Nargi, Michael. (See Nargi, John R., assignor.)
- Narrow, Anton H., Memphis, Tenn. Work positioning means. 1,942,873; Jan. 9.
- Narrow, Anton H., Memphis, Tenn. Dispensing device. 1,955,559; Apr. 17.
- Narrow Fabric Company. (See Faust, Paul E., assignor.)
- Narrow Fabric Co. (See Huber, Otto E., assignor.)
- Narrow Fabric Co., The. (See Murray, Frank, assignor.)
- Narrow Fabric Co., The. (See Plumb, Frederic W., assignor.)
- Narrow Fabric Company, The. (See Sweeney, John W., assignor.)
- Nash, Albert A. A. (See Seninger, G., Goeke, Nash, and Dell'Orco.)
- Nash, Archibald F., Kingson-on-the-Thames, England. Aeroplane and other aircraft. 1,959,987; May 22.
- Nash, Arthur D., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Glass designing. 1,952,454; Mar. 27.
- Nash, Arthur W. (See Collins, Timothy, assignor.)
- Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster. 1,947,305; Feb. 13.
- Nash, Clarence A., North Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Molded article. 1,942,874; Jan. 9.
- Nash, Elizabeth F., New York, N. Y. Eggbeater. 1,982,531; Nov. 27.
- Nash Engineering Company. (See Adams, Harold E., assignor.)
- Nash, Henry E., assignor to Hercules Powder Company, Wilmington, Del. Fuse for shells. 1,949,841; Mar. 6.
- Nash, Henry E., assignor to Hercules Powder Company, Wilmington, Del. Composition for fuse, igniter charges, and the like. 1,960,591; May 29.
- Nash, Humphrey L., Shaker Heights, Ohio. Refrigeration-chilling apparatus. 1,953,626; Apr. 3.
- Nash, John M., Wauwatosa, Wis. Machine for shaping bar ends and work end finishing purposes. 1,968,091; July 31.
- Nash, Robert J., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Method and apparatus for bending laminated sheets. 1,982,447; Nov. 27.
- Nash, Robert J., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Manufacture of tennis rackets and the like. 1,982,448; Nov. 27.
- Nash, William C., Neenah, Wis., assignor to Seaman Paper Company, Chicago, Ill. Paper and making same. 1,973,722; Sept. 18.
- Nashan, Paul. (See Heckel, W., and Nashan.)
- Nashua Gummed and Coated Paper Company. (See Brown, Robert A., assignor.)
- Nashua Gummed & Coated Paper Company. (See Phillips, Russell W., assignor.)
- Nashville Machine and Supply Company. (See Hertenstein, Jacob R., assignor.)
- Nasmith, John I., Eltham, London, assignor to Vickers-Armstrongs Limited, Westminster, England. Apparatus for bending or creasing cardboard, fiber board, or the like. 1,941,484; Jan. 2.
- Nasmith, John I., and W. Kirby, London, assignors to Vickers-Armstrongs Limited, Westminster, England. Stapling or discontinuous wire stitching machine. 1,980,592; Nov. 13.
- Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 1,944,944; Jan. 30.
- Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 1,971,461; Aug. 28.
- Nassar, Ernest G. (See Volpe, Michael, assignor.)
- Nassau Products. (See Durham, Fred S., assignor.)
- Nassif, Louis, Wheeling, W. Va. Selective liquid dispenser. 1,964,362; June 26.
- Nassif, Louis, Wheeling, W. Va. Sponge cup and applicator. 1,975,016; Sept. 25.
- Nathan, Andrew J. (See Johnson, Chris G., assignor.)
- Nathan, Herbert J., Bismarck, N. Dak. Power plant mounting. 1,949,064; Feb. 27.
- Nathan, Herbert J., Bismarck, N. Dak. Hydraulic gear shifting mechanism. 1,950,860; Mar. 13.
- Nathan, Joseph D., Worcester, Mass. Dividing means for display cabinets. 1,962,967; June 12.
- Nathan, Leopold, Zurich, assignor to Hansena A.-G., Glarus, Switzerland. Purification of carbonic acid gas produced by fermentation and other processes. 1,968,899; Aug. 7.
- Nathan Manufacturing Company. (See Sharp, John C., assignor.)
- Nathan, Tracy D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Joint and making the same. 1,985,325; Dec. 25.
- Nathanson, Isidore. (See Rodstein, H., and Nathanson.)
- Nathanson, Osias, New York, N. Y. Ensemble dress. Des. 92,671; July 3.
- Nathanson, Osias, New York, N. Y. Ensemble dress. Des. 92,672; July 3.
- Nathanson, Osias, New York, N. Y. Ensemble dress. Des. 93,234; Sept. 4.
- Nathanson, Osias, New York, N. Y. Dress. Des. 93,235; Sept. 4.
- Nathanson, Osias, New York, N. Y. Ensemble dress. Des. 93,236; Sept. 4.
- Nathanson, Osias, New York, N. Y. Ensemble dress. Des. 93,237; Sept. 4.
- Nathanson, Osias, New York, N. Y. Dress. Des. 93,238; Sept. 4.
- Nathanson, Osias, New York, N. Y. Dress. Des. 93,500; Oct. 2.
- Nathanson, Osias, New York, N. Y. Dress. Des. 93,501; Oct. 2.
- Nathanson, Osias, New York, N. Y. Ensemble dress. Des. 93,502; Oct. 2.
- Nathanson, Osias, New York, N. Y. Dress. Des. 93,941; Nov. 27.
- National Acme Company, The. (See Drissner, Alfred E., assignor.)
- National Acme Company, The. (See Drissner, A. E., assignor, Hoagland, Lange, Lundberg, and Lovely.)
- National Acme Company, The. (See Eickhoff, T. H., Sanborn, and Drissner, assignors.)
- National Acme Company, The. (See Hogg, William J., assignor.)
- National Acme Company, The. (See Simpson, Charlie W., assignor.)
- National Adhesives Corporation. (See Fuller, Arthur D., assignor.)
- National Aeroil Burner Company. (See Straitz, John F., assignor.)
- National Air Brake Service, Inc. (See Ricketts, James R., assignor.)
- National Air Conditioning Company. (See Howry, Hobart B., assignor.)
- National Alloy Steel Company. (See Ornitz, Nathaniel B., assignor.)
- National Aluminate Corporation. (See King, Robert M., assignor.)
- National Aniline & Chemical Company. (See Cotton, William J., assignor.)
- National Aniline & Chemical Company. (See Crowell, J. H., Ogilvie, and Rogers, assignors.)
- National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)
- National Aniline & Chemical Company. (See Holst, William A., jr., assignor.)
- National Aniline and Chemical Company. (See Jewett, Joseph E., assignor.)
- National Aniline & Chemical Company. (See Kranz, Frederick H., assignor.)
- National Aniline & Chemical Company. (See Kyrldes, Lucas P., assignor.)
- National Aniline and Chemical Company. (See Murch, Wilfred M., assignor.)
- National Aniline & Chemical Company. (See Ogilvie, James, assignor.)
- National Aniline and Chemical Company. (See Payne, Esco F., assignor.)
- National Aniline and Chemical Company. (See Payne, Ralph B., assignor.)
- National Aniline and Chemical Company. (See Rogers, Donald G., assignor.)
- National Aniline & Chemical Company. (See Rogers, D. G., and Ogilvie, assignors.)
- National Aniline & Chemical Co. (See Spalding, William L., assignor.)
- National Aniline & Chemical Company. (See Talbert, Guy W., assignor.)

- National Aniline & Chemical Co. (See Tumin, Herbert R., assignor.)
 National Aniline and Chemical Company. (See Van Der-veer, Theodore W., assignor.)
 National Aniline and Chemical Company. (See Zwilgmeyer, Frithjof, assignor.)
 National Aniline and Chemical Company, Inc. (See Brown, Robert V., assignor.)
 National Aniline & Chemical Co. Inc. (See Cotton, William J., assignor.)
 National Aniline & Chemical Company, Inc. (See Ellzey, R., and Conrad, assignors.)
 National Aniline & Chemical Company, Inc. (See Hess, Raymond W., assignor.)
 National Aniline and Chemical Company, Inc. (See Jewett, J. E., and Kiplinger, assignors.)
 National Aniline & Chemical Company, Inc. (See Kyrides, Lucas P., assignor.)
 National Aniline & Chemical Company, Inc. (See Wood, Robert O., assignor.)
 National Aniline and Chemical Company, Inc. (See Zwilgmeyer, Frithjof, assignor.)
 National Automatic Tool Company. (See Galloway, Robert M., assignor.)
 National Automatic Tool Company, The. (See Schafer, Robert A., assignor.)
 National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
 National Bank of Commerce and Trust Company, The, executor. (See Trafton, William M.)
 National Battery Company. (See Goodrich, G. N., and Reetz, assignors.)
 National Battery Company. (See Reetz, Carl G., assignor.)
 National Bearing Metals Corporation. (See Crawford, Samuel W., assignor.)
 National Bearing Metals Corporation. (See Vigne, Albert, assignor.)
 National Biscuit Company. (See Davidson, Bruce J., assignor.)
 National Biscuit Company. (See Kasten, Alfred W., assignor.)
 National Biscuit Company. (See Mercier, Harvey O., assignor.)
 National Blank Book Company. (See Schade, Frank S., assignor.)
 National Blank Book Company. (See Schade, John, assignor.)
 National Bread Wrapping Machine Co. (See Hoppe, W., and Lyon, assignors.)
 National Bread Wrapping Machine Company. (See Lyon, Norman W., assignor.)
 National Bread Wrapping Machine Company. (See Smith, E. L., and Hoppe, assignors.)
 National Bronze & Aluminum Foundry Company, The. (See Shafner, Jerold H., assignor.)
 National Bundle Tye Company, The. (See Bachmayer, Joseph J., assignor.)
 National Canners Association. (See Bohart, George S., assignor.)
 National Carbon Company. (See Graubner, H. G., and Saurwein, assignors.)
 National Carbon Company. (See Heise, G. W., and Brokate, assignors.)
 National Carbon Company. (See Johnson, Harry V., assignor.)
 National Carbon Company. (See Kiefer, Edwin F., assignor.)
 National Carbon Company. (See Smith, Ralph R., assignor.)
 National Carbon Company, Inc. (See Aronson, Peter R., assignor.)
 National Carbon Co., Inc. (See Casella, Secondo L., assignor.)
 National Carbon Company, Inc. (See Chaney, N. K., and Kiefer, assignors.)
 National Carbon Company Inc. (See Heise, George W., assignor.)
 National Carbon Company, Inc. (See Keifer, Edwin F., assignor.)
 National Carbon Company, Inc. (See Kip, Henry E.)
 National Carbon Company, Inc. (See Smith, Ralph R., assignor.)
 National Cash Register Company, The. (See Anthony, Joseph F., assignor.)
 National Cash Register Company, The. (See Arnold, Charles H., assignor.)
 National Cash Register Company, The. (See Berger, Friedrich W. F., assignor.)
 National Cash Register Company, The. (See Brand, Samuel, assignor.)
 National Cash Register Company, The. (See Falkner, Carl G., assignor.)
 National Cash Register Company, The. (See Green, Charles W., assignor.)
 National Cash Register Company, The. (See Kaufmann, Herbert, assignor.)
 National Cash Register Company, The. (See Kropff, Wilhelm, assignor.)
 National Cash Register Company, The. (See Kuhlman, Edward H., assignor.)
 National Cash Register Company, The. (See Robertson, William H., assignor.)
 National Cash Register Company, The. (See Sedgebury, Herman F., assignor.)
 National Cash Register Company, The. (See Scott, H. B., and Warner, assignors.)
 National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
 National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
 National Cash Register Company, The. (See Williams, Harry J., assignor.)
 National Cellulose Corporation. (See Medoff, William, assignor.)
 National Chair Company, Inc. (See Lucas, Walter C., assignor.)
 National City Bank, The, et al., co-trustees. (See Barth, Joseph L., assignor.)
 National City Bank of Cleveland, The, et al. (See Sommer, William H., assignor.)
 National City Bank of Cleveland, The, trustee, et al. (See Bailey, Charles F., assignor.)
 National City Bank of Cleveland, The, et al., trustees. (See Herman, Joseph L., assignor.)
 National City Bank of Cleveland, The, Trustees et al. (See Sommer, William H., assignor.)
 National City Bank of Cleveland, The, Trustees et al. (See Sommer, W. H., and Bailey, assignors.)
 National City Bank of New York, The, executor. (See Tanner, Harry L.)
 National Cold Steam Company. (See Shepherd, John E., assignor.)
 National Colortype Company, The. (See Jeffery, H. L., and Ryder, assignors.)
 National Distillers Products Corporation. (See Fuerst, Edwin W., assignor.)
 National Electric Heating Company, Inc. (See Carleton, Robert A., assignor.)
 National Electric Products Corporation. (See Calderwood, Hugh A., assignor.)
 National Electric Products Corporation. (See Church, W. W., and Robinson, assignors.)
 National Electric Products Corporation. (See Clayton, Martin M., assignor.)
 National Electric Products Corporation. (See Fullman, James M. G., assignor.)
 National Electric Products Corporation. (See Lamont, Neil C., assignor.)
 National Electric Products Corporation. (See Lutz, George A., assignor.)
 National Electric Products Corporation. (See Mair, John E., assignor.)
 National Electric Products Corporation. (See Phillips, George E., assignor.)
 National Electric Products Corporation. (See Robinson, William C., assignor.)
 National Electric Products Corporation. (See Sharp, L. Alan, assignor.)
 National Electric Products Corporation. (See Sharp, L. A., and Fullman, assignors.)
 National Electrical Supply Company. (See Burger, Clarence W., assignor.)
 National Electrical Supply Company. (See Lucas, Robert T., assignor.)
 National Electrical Supply Company. (See Mirick, Carlos B., assignor.)
 National Engineering Corporation. (See Bondeson, Carl G.)
 National Engineering Corporation. (See Eccles, William E., assignor.)
 National Engineering Corporation. (See Pond, Dwight W., assignor.)
 National Equipment Company. (See Bausman, Alonzo L., assignor.)
 National Equipment Company. (See Fish, John R., assignor.)
 National Equipment Corporation. (See Jones, Harry B., assignor.)
 National Equipment Corporation. (See Poulter, John W., assignor.)
 National Equipment Corporation. (See Talbot, Kenneth H., assignor.)
 National Fireproofing Corporation. (See Matheny, Clarence S., assignor.)
 National Fireworks, Inc. (See Milbery, Percy H., assignor.)
 National Fireworks, Inc. (See Thrasher, Warren G., assignor.)
 National Floor Company. (See Milburn, Edwin J., assignor.)
 National Foam System, Inc. (See Boyd, Fisher L., assignor.)
 National Folding Box Company. (See Gaffney, John J., assignor.)
 National Foundry, Inc. (See Anderson, Joseph, assignor.)
 National Gas Range Corporation. (See Dollin, E. N., and Waddell, assignors.)
 National Glove Company, The. (See Mebane, Charles P., assignor.)
 National Gypsum Company. (See Crandell, Dean D., assignor.)
 National Gypsum Company. (See Crandell, D. D., and Neher, assignors.)
 National Gypsum Company. (See Hunt, D. F., and Hessman, assignors.)
 National Gypsum Company. (See New, Gustave A., assignor.)
 National India Rubber Company. (See Hazell, Eardley, assignor.)

- National India Rubber Company. (See Hopkinson, Ernest, assignor.)
- National India Rubber Company. (See Madge, N. G., and Keen, assignors.)
- National India Rubber Company. (See Martel, Leon C., assignor.)
- National India Rubber Company. (See Polleys, Herbert R., assignor.)
- National Lead Company. (See Behr, Gustave E., jr., assignor.)
- National Lead Company. (See Cowan, William A., assignor.)
- National Lead Company. (See Dick, Robert, assignor.)
- National Lead Company. (See Dittmer, Joseph C., assignor.)
- National Lead Company. (See Hiers, George O., assignor.)
- National Lead Company. (See Kern, Edward F., assignor.)
- National Lead Company. (See Sheaff, Edmund H., assignor.)
- National Lead Company. (See Thompson, G. W., & Sheaff, assignors.)
- National Liquid Register Company. (See Semon, William H., assignor.)
- National Lock Co. (See North, Edwin W., assignor.)
- National Lock Washer Company. (See Berge, Joseph, assignor.)
- National Lock Washer Company. (See Blessin, Siegfried E., assignor.)
- National Lock Washer Company, The. (See Cairncross, Robert L., assignor.)
- National Lock Washer Company. (See Conway, Thomas G., assignor.)
- National Lock Washer Company. (See Conway, T. G., Blessin, and Schunk, assignors.)
- National Lock Washer Company, The. (See McCrudden, Frederick R., assignor.)
- National Lock Washer Company. (See Schunk, Joseph, assignor.)
- National Machine Products Company. (See Brackett, Clare L., assignor.)
- National Machine Products Company. (See Stoll, Albert, assignor.)
- National Machine Works. (See Levey, C. J., and Haedike, assignors.)
- National Machinery Company, The. (See Clouse, William L., assignor.)
- National Machinery Company, The. (See Friedman, John H., assignor.)
- National Machinery Company, The. (See Frost, Earl R., assignor.)
- National Malleable and Steel Castings Company. (See Bazeley, Arthur J., assignor.)
- National Malleable and Steel Castings Company. (See Blackmore, William, assignor.)
- National Malleable and Steel Castings Company. (See Brooks, C. K., and Schmidt, assignors.)
- National Malleable and Steel Castings Company. (See Buckins, Albert O., assignor.)
- National Malleable and Steel Castings Company. (See Krakau, Harry T., assignor.)
- National Malleable and Steel Castings Company. (See Schmidt, Ernest H., assignor.)
- National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)
- National Malleable and Steel Castings Company. (See Spence, Hubert L., assignor.)
- National Manufacturing Company. (See Bittorf, Louis A., assignor.)
- National Manufacturing Company. (See Clark, Earl W., assignor.)
- National Marking Machine Co., The. (See Raiche, Andrew, assignor.)
- National Metalloys Corporation. (See Stern, B. A., and Kofler, assignors.)
- National Nut Company, The. (See Kohler, Michael J., assignor.)
- National Oil Products Company. (See Porter, Ralph E., assignor.)
- National Oil Products Company. (See Wolfson, Jacob, assignor.)
- National Paper Can Company. (See Frostad, George O., assignor.)
- National Paper Process Company. (See Hurley, Albert R., assignor.)
- National Pigments and Chemical Company. (See Culling, C. R., and Baernstein, assignors.)
- National Pigments and Chemical Company. (See Fisher, Elbert E., assignor.)
- National Pneumatic Company. (See Conklin, Roscoe D., assignor.)
- National Pneumatic Company. (See Forman, Paris R., assignor.)
- National Pneumatic Company. (See Parvin, Edward G., assignor.)
- National Postal Meter Company. (See Hiller, George, assignor.)
- National Postal Meter Company. (See Jewell, Hector W., assignor.)
- National Poultry Equipment Co. (See Miller, Edward E. and V. C., and Powell, assignors.)
- National Pressure Cooker Company. (See Nelson, Carl, assignor.)
- National Process Company. (See Armstrong, Joseph, assignor.)
- National Publishing Company. (See Morehouse, Cyrus E., assignor.)
- National Pumps Corporation. (See Curtis, William H., assignor.)
- National Pumps Corporation. (See Hanna, J. P., and Bradley, assignors.)
- National Pure Water Corporation. (See McLaughlin, Wilson L. and H. L., and V. Ballou, assignors.)
- National Pure Water Corporation. (See Skow, R. E., Ballou, and McLaughlin, assignors.)
- National Radiator Corporation. (See Hunter, Louis N., assignor.)
- National Radiator Corporation. (See Novotney, T. A., and Hunter, assignors.)
- National Radiator Corporation. (See Wentworth, Robert S., assignor.)
- National Regulator Company. (See Larson, John M., assignor.)
- National Rubber Machinery Company. (See De Mattia, Peter, assignor.)
- National Rubber Machinery Company, The. (See Harris, S. W., Jennings, and Sethman, assignors.)
- National Rubber Machinery Company. (See Heston, Allen L., assignor.)
- National Rubber Machinery Company. (See Kuhlke, Otto J., assignor.)
- National Rubber Machinery Company. (See Shook, Florain J., assignor.)
- National Rubber Machinery Company. (See Williams, Thomas H., assignor.)
- National Rubber Machinery Company. (See Williams, T. H., and Moomy, assignors.)
- National Savings and Trust Company, et al., executors. (See Simmons, Leo.)
- National Seal Company. (See Wainwright, Herbert, assignor.)
- National Sewing Machine Company. (See List, Raymond F., assignor.)
- National Smelting Company, The. (See Bonsack, Walter, assignor.)
- National Smelting Company, The. (See Frost, John G., assignor.)
- National Sound System, Inc. (See Holloway, John Q. A., assignor.)
- National Stamping & Electric Works. (See Walder, Emil, assignor.)
- National Standard Company. (See Harrah, Clayton C., assignor.)
- National-Standard Company. (See Lerch, William G., assignor.)
- National-Standard Company. (See Pierce, Robert C., assignor.)
- National Standard Company. (See Shook, Florain J., assignor.)
- National Steel Construction Co. (See Eisinga, Dirk, assignor.)
- National Store Fixture Co., The. (See Goalstone, Michael J., assignor.)
- National Super Products Corporation. (See Lloyd, William D., assignor.)
- National-Superior Company, The. (See Archer, Merton T., assignor.)
- National Superior Company, The. (See Long, S. W., and Young, assignors.)
- National Superior Company, The. (See Mahan, Joseph R., assignor.)
- National Superior Company, The. (See Morgan, J. S., jr., and Rice, assignors.)
- National Superior Company, The. (See Rice, Allen D., assignor.)
- National Superior Company, The. (See Rice, A. E., and Morgan, assignors.)
- National Superior Company, The. (See Schabarum, Bruno R., assignor.)
- National Superior Company, The. (See Spalding, John D., assignor.)
- National Superior Company, The. (See Young, Forrest J., assignor.)
- National Superior Company, The. (See Young, F. J., and Long, assignors.)
- National Superior Company, The. (See Zerbe, Lewis E., assignor.)
- National Superior Company, The. (See Zerbe, L. E., and Timbs, assignors.)
- National Superior Company, The. (See Zilen, Victor W., assignor.)
- National Supply Company, The. (See Mahan, Joseph R., assignor.)
- National Supply Company, The. (See Rice, A. E., and Morgan, assignors.)
- National Supply Company, The. (See Rice, A. E., and Morgan, jr., assignors.)
- National Supply Company of Delaware, The. (See Young, Forrest J., assignor.)
- National Supply & Service Corporation. (See Johnson, John A., assignor.)
- National Syndicates Incorporated. (See May, Newton E., assignor.)
- National Tailoring Company. (See Izard, Arthur P., assignor.)
- National Tank & Manufacturing Co. (See Cahall, William H., assignor.)
- National Tile Company, The. (See Bower, James A., assignor.)

- National Tinsel Manufacturing Company. (See Protz, William C., assignor.)
- National Tinsel Manufacturing Company. (See Robichaud, Walter, assignor.)
- National Tool Company, The. (See Simmons, Oliver G., assignor.)
- National Traffic Signal Company. (See Olafson, Alvin O., assignor.)
- National Transit Pump & Machine Company. (See Kauffmann, William M., assignor.)
- National Transit Pump & Machine Company. (See Pearson, Carl A., assignor.)
- National Transit Pump & Machine Company. (See Staley, Benjamin M., assignor.)
- National Transit Pump & Machine Company. (See Valentine, Warren P., assignor.)
- National Trust and Savings Bank of Riverside, administrator, et al. (See Twomley, Herbert E.)
- National Tube Company. (See Aronson, Edward A., assignor.)
- National Tube Company. (See Bark, William, assignor.)
- National Tube Company. (See Bark, W., and Olson, assignors.)
- National Tube Company. (See Bark, W., and Waterman, assignors.)
- National Tube Company. (See Beattie, Thomas W. C., assignor.)
- National Tube Company. (See Bumbaugh, Charles R., assignor.)
- National Tube Company. (See Burge, A., and Shelton, assignors.)
- National Tube Company. (See Davis, Herbert, assignor.)
- National Tube Company. (See Dunn, Jerry J., assignor.)
- National Tube Company. (See Dunn, J. J., and Patterson, assignors.)
- National Tube Company. (See Dunn, J. J., and Wright, assignors.)
- National Tube Company. (See Gettig, Joseph H. and A. D., assignors.)
- National Tube Company. (See Johnston, Harry M., assignor.)
- National Tube Company. (See Kerr, Daniel, assignor.)
- National Tube Company. (See Meyncke, William C., assignor.)
- National Tube Company. (See Offutt, John W., assignor.)
- National Tube Company. (See Olson, Olof F., assignor.)
- National Tube Company. (See Rosenkranz, Max, assignor.)
- National Tube Company. (See Shelly, Herman J., assignor.)
- National Tube Company. (See Speller, Frank N., assignor.)
- National Tube Company. (See Wallis, Clarence H., assignor.)
- National Tube Company. (See Wright, Edwin C., assignor.)
- National Tube Company. (See Wright, E. C., and Uebelhart, assignors.)
- National Vaccine and Antitoxin Institute. (See Parsons, John F., assignor.)
- National Valve & Manufacturing Company, trustee. (See Hartman, Thomas L., assignor.)
- National Ventilating Window Lock Company. (See Re-pass, Walter C., assignor.)
- National Vermiculite Products Corporation. (See Miner, Carl S., assignor.)
- National Vermiculite Products Corporation. (See Miner, C. S., and Ericson, assignors.)
- National Washboard Company. (See Gilbert, Charles T., assignor.)
- National Welding Equipment Company. (See Hammon, George L., assignor.)
- National Wood Products Company. (See Nielsen, Herman C., assignor.)
- National Wood Products Co. (See Snyder, C. L., and Webb, assignors.)
- National Zinc Company. (See Leverett, Warren H., assignor.)
- Natural Cheese Corporation. (See Gere, Clair M., assignor.)
- Natural-Color, Inc. (See Waide, Merrill; assignor.)
- Natural Food Products Company. (See Stephens, Henry C.)
- Natural Products Refining Co. (See Vetter, Joseph J., assignor.)
- Naturkacz, Walter, Buffalo, N. Y. Motor vehicle jack. 1,977,524; Oct. 16.
- Natwick, Albert G. (See Barber, W. R., Natwick, and Phelps.)
- Natwick, Albert G., Camas, Wash., assignor to Crown Willamette Paper Company, San Francisco, Calif. Carbon black paper bag and package. 1,953,686; Apr. 3.
- Natwick, Frank J., and O. G. Tinkey, Pittsburgh, Pa. Refrigeration apparatus. 1,957,349; May 1.
- Naucler, Johan O., and S. H. Ledin, assignors to Industriemisha Aktiebolaget, Stockholm, Sweden. Method and apparatus for obtaining intimate contact between a gas and liquid. 1,958,383; May 8.
- Nauert, Carl H. (See Nave, A. E., and Nauert.)
- Naugatuck Chemical Company, The. (See Brewster, Nehemiah H., assignor.)
- Naugatuck Chemical Company, The. (See Dunfield, Walter W., assignor.)
- Naugatuck Chemical Company, The. (See Foley, George J., assignor.)
- Naugatuck Chemical Company, The. (See Gibbons, W. A., and McColm, assignors.)
- Naugatuck Chemical Company, The. (See Hazell, E., and Stowe, assignors.)
- Naugatuck Chemical Company, The. (See Hopkinson, Ernest, assignor.)
- Naugatuck Chemical Company, The. (See McGavack, John, assignor.)
- Naugatuck Chemical Company, The. (See McGavack, J., and Tefft, assignors.)
- Naugatuck Chemical Company, The. (See Meuser, Ludwig, assignor.)
- Naugatuck Chemical Company, The. (See Miller, Herman C., assignor.)
- Naugatuck Chemical Company, The. (See O'Brien, R. J., and Chappell, assignors.)
- Naugatuck Chemical Company, The. (See O'Brien, R. J., and Hazell, assignors.)
- Naugatuck Chemical Company, The. (See Ogilby, Stewart R., assignor.)
- Naugatuck Chemical Company, The. (See Owen, Allen F., assignor.)
- Naugatuck Chemical Company, The. (See Roberts, Elmer, assignor.)
- Naugatuck Chemical Company, The. (See Smith, Omar H., assignor.)
- Naugatuck Chemical Company, The. (See Strickhouser, Sherman I., assignor.)
- Naugatuck Chemical Company, The. (See Teague, M. C., and Brewster, assignors.)
- Naugatuck Chemical Company, The. (See Ter Horst, William P., assignor.)
- Naughton, George. (See Weimar, Edward, assignor.)
- Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors, by mesne assignments, to Rotary Steel Company, Wilmington, Del. Centrifugal molding. 1,957,718; May 8.
- Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors, by mesne assignments, to Rotary Steel Company, Wilmington, Del. Lifting device. 1,957,719; May 8.
- Naugle, John J. (See Wadsworth, D. V., and Wickenden, assignors.)
- Naugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,968,900; Aug. 7.
- Naujoks, Erich. (See Fuchs, O., and Naujoks.)
- Naul, James M., Fanwood, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Self-starting synchronous motor. 1,947,423; Feb. 13.
- Naul, James M., Fanwood, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Electric motor. 1,956,041; Apr. 24.
- Naulin, Abner M., Milwaukee, Wis. Incinerator. 1,978,472; Oct. 30.
- Nault, Archie, Beaverton, Oreg. Universal pulley. 1,982,141; Nov. 27.
- Naumann, Max. (See Schlecht, L., and Naumann.)
- Naumburg, Robert E., Cambridge, Mass. Scanning and reproducing matter. 1,953,307; Apr. 3.
- Naunton, William J. S. (See Bunbury, H. M., Davies, Naunton, and Robinson.)
- Naunton, William J. S. (See Bunbury, H. M., Naunton, and Palmer.)
- Naunton, William J. S. (See Hailwood, A. J., Naunton, and Shepherdson.)
- Nave, Alfred E., and C. H. Nauert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Valve. 1,950,122; Mar. 6.
- Navy, Secretary of. (See Babbitt, Herbert S., assignor.)
- Naxon Corporation. (See Nachumsohn, Irving, assignor.)
- Nawiasky, Paul, Ludwigshafen-on-the-Rhine, B. Stein, Mannheim, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of anthraquinone derivatives. 1,943,876; Jan. 16.
- Nawiasky, Paul, and A. Krause, Ludwigshafen-on-the-Rhine, and B. Stein, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of anthraquinone derivatives. 1,948,183; Feb. 20.
- Nawiasky, Paul, Ludwigshafen-on-the-Rhine, B. Stein, Mannheim, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Intermediates and dyestuffs of the anthraquinone series. 1,962,083; June 5.
- Nawiasky, Paul, Ludwigshafen-on-the-Rhine, B. Stein, Mannheim, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Intermediates and dyestuffs of the anthraquinone series. 1,962,084; June 5.
- Nawiasky, Paul, and A. Ehrhardt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthraquinone dyestuff. 1,970,669; Aug. 21.
- Naylor, Carl G., assignor to Naylor Pipe Company, Chicago, Ill. Producing tubing or pipe. 1,943,035; Jan. 9.
- Naylor, Carl G., assignor to Naylor Pipe Company, Chicago, Ill. Pipe coupling and producing the same. 1,976,797; Oct. 16.
- Naylor, Joseph F., Earlestown, Newton-le-Willows, assignor to T. & T. Vicars Limited, Earlestown, England. Transferring of individual articles such as biscuits. 1,944,103; Jan. 16.
- Naylor Pipe Company. (See Naylor, Carl G., assignor.)

- Naylor, Roger C., assignor to The Federal Bearings Company, Inc., Poughkeepsie, N. Y. Ball bearing. 1,966,677; July 17.
- Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Inclosed indirect lighting fixture. 1,953,816; Apr. 3.
- Nazareth Cement Company. (See Dever, Kersey R., assignor.)
- Naz-Dar Company. (See Parmele, Howard W., assignor.)
- Naz-Dar Company. (See Parmele, Welling L. and H. W., assignors.)
- Neahr, Jacob E., Scarsdale, N. Y. Smoker's utensil. 1,941,617; Jan. 2.
- Neahr, Jacob E., Scarsdale, N. Y. Smoker's utensil. 1,972,896; Sept. 11.
- Neal, Arthur M. (See Williams, I., and Neal.)
- Neal, Arthur M. (See Williams, T., Douglass, and Neal.)
- Neal, Cecil R., Portland, Ore. Gas throttle. 1,953,539; Apr. 3.
- Neal, Ernest C., assignor to Railway Track-Joint Corporation, Coquille, Ore. Rail joint and rail joint fastening. 1,966,868; July 17.
- Neal, Malcolm A., assignor to Aerial Advertising Company, Inc., San Francisco, Calif. Aerial advertising device. 1,945,785; Feb. 6.
- Neal-Sommers Corporation. (See Sommers, Frank X., assignor.)
- Neale, Albert E. T. (See Twiss, D. F., and Neale.)
- Neale, Albert E. T. (See Twiss, D. F., Carpenter, and Neale.)
- Neale, John E., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Welding. 1,967,129; July 17.
- Neale, John E., Girard, and E. W. Misher, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Pipe testing apparatus. 1,972,650; Sept. 4.
- Ne-Arga Corporation. (See Spathe, Charles, assignor.)
- Ne-Argo Corporation. (See Erdmann, Hans M., assignor.)
- Neary, Edward M., Manunui, assignor of one-half to D. M. Simmons, Taumarunui, New Zealand. Packing case. 1,952,817; Mar. 27.
- Neary, John R., North Wales, Pa. Collapsible kite. 1,984,229; Dec. 11.
- Neault, Grover C., and C. O. Wold, Ashland, Wis. Piston ring. 1,956,513; Apr. 24.
- Nebel, Charles N., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Long distance telephone system. 1,953,496; Apr. 3.
- Nebel, Ernst O., Jenkintown, Pa. Elastic foot hosiery. 1,974,993; Sept. 25.
- Nebel, Max, Chemnitz, Germany. Flat knitting machine. 1,968,162; July 31.
- Nebel, Walter, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sanding sealer. 1,973,649; Sept. 11.
- Nechin, Abraham. (See Yeomans, Lucien I., assignor.)
- Neckar Water Softener Corporation. (See Contant, Peter M., assignor.)
- Nedal, Peder. (See Norton, S. H., and Nedal.)
- Nedberg, Sverre, Drammen, Norway. Holder for paper rolls. 1,973,354; Sept. 11.
- Nederlandsche Technische Handel Maatschappij "Giro". (See Otto, Wolfgang, assignor.)
- Nederlandsche Technische Handel Maatschappij Giro. (See Otto, W., and Richter, assignors.)
- Neece, Una H. (See Smith, W. F., and Neece.)
- Needham, John T., North Plainfield, N. J. Pneumatic dispatch tube carrier or similar article. Des. 92,151; May 1.
- Needham, John T., North Plainfield, N. J. Air pressure control means. 1,977,737; Oct. 23.
- Needham, John T., North Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Canada. Pneumatic dispatch tube apparatus. 1,943,451; Jan. 16.
- Needham, John T., North Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada. Pneumatic dispatch tube apparatus. 1,951,367; Mar. 20.
- Needham, John T., North Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada. Pneumatic dispatch tube apparatus. 1,951,434; Mar. 20.
- Needham, John T., North Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada. Pneumatic dispatch tube apparatus. 1,964,167; June 26.
- Needham, John T., North Plainfield, N. J., assignor, by mesne assignments, to Pneumatic Tube Supply Co. of Delaware. Pneumatic dispatch tube apparatus. 1,972,272; Sept. 4.
- Needham, Robert J., Toronto, Ontario, Canada, and H. C. Woodbridge, Rochester, N. Y. Boiler construction. 1,983,182; Dec. 4.
- Neel, Arthur W., assignor to McCormick Brothers Company, Albany, Ind. Tray for refrigerators. 1,981,743; Nov. 20.
- Neel, Martha, et al. (See Guyle, Henry G., assignor.)
- Neelands, Abram R. (See Gee, A., and Neelands.)
- Neeley, Arthur W. (See Brown, A. B., and Neeley.)
- Neelmeier, Wilhelm, T. Nocken, and H. Friedrich, Leverkusen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Acidyl polyalkylene polyamines. 1,947,951; Feb. 20.
- Neelmeier, Wilhelm, Leverkusen-I. G. Werk, and W. Lamberz, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing m-acylamino-sulphochlorides of the benzene series. 1,955,887; Apr. 24.
- Neelmeier, Wilhelm, Leverkusen-I. G. Werk, A. Carl, Cologne-Rhine, and H. Hertlein, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 1,975,402; Oct. 2.
- Neelmeier, Wilhelm, S. Gassner, and W. Meiser, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo coloring materials. 1,976,186; Oct. 9.
- Neelmeier, Wilhelm, Leverkusen, and W. Lamberz, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo dye-stuff. 1,976,187; Oct. 9.
- Neely, Frank R. (See Dorney, R. S., and Neely.)
- Neely, Frank R., assignor to A. H. Balliet Corporation, Allentown, Pa. Box covering method and product. 1,942,362; Jan. 2.
- Neely, George L., Berkeley, Calif. Spraying device. 1,948,533; Feb. 27.
- Neely, Roy M., Wilkinsburg, Pa., assignor to The American Steel and Wire Company of New Jersey. Support for concrete reinforcements. 1,942,566; Jan. 9.
- Neelson, Charles R., New Rochelle, N. Y., assignor, by mesne assignments, to Baldwin-Southwark Corporation. Condenser. 1,964,890; July 3.
- Neff, Claude R., assignor to The Neff & Fry Company, Camden, Ohio. Burial vault or article of similar nature. Des. 93,568; Oct. 9.
- Neff & Fry Company, The. (See Neff, Claude R., assignor.)
- Neff, Johannes, assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Packing machine for flattened or oval cigarettes. 1,954,020; Apr. 10.
- Neff, Johannes, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Device for transferring articles from a continuously moving conveyor band to another conveyor band. 1,984,981; Dec. 18.
- Neff, John P., East Orange, N. J., assignor to American Arch Company, New York, N. Y. Arch brick. 1,971,693; Aug. 28.
- Neff, Judson, Louisville, Ky. Apparatus for removing superheat from compressed gas to be condensed in a surface condenser. 1,946,328; Feb. 6.
- Neffendorf, Paul, (gen Gærtner), assignor to the firm Naamlooze Vennootschap Havenbedrijf Vlaardingen-Oost, Vlaardingen, Netherlands. Grab for heappable materials. 1,956,079; Apr. 24.
- Negri, Teresina M., Paris, France. Lady's bathing garment. 1,964,210; June 26.
- Negri, Teresina M., Paris, France. Lady's bathing garment. 1,971,080; Aug. 21.
- Neher, Anthony, Chicago, Ill., assignor to Loudon Machinery Company, Fairfield, Iowa. Automatic dipping system. 1,977,008; Oct. 16.
- Neher, Anthony, Chicago, and H. R. Madson, Glen Ellyn, Ill., assignors to The Loudon Machinery Company, Fairfield, Iowa. Conveyor. 1,949,691; Mar. 6.
- Neher, George J., Buffalo, N. Y. Flexible coupling. 1,983,094; Dec. 4.
- Neher, Roy. (See Crandell, D. D., and Neher.)
- Nehes, Herbert, Hawthorne, N. J., assignor to Landis & Gyr, A. G. Energy measuring and recording mechanism. 1,947,731; Feb. 20.
- Nehin, Harry E. (See Maddigan, A. G., and Nebin and Rousseau, assignors.)
- Nehler, Oscar E., Lincoln, Nebr. Harrow truck. 1,978,815; Oct. 30.
- Nehls, Charles H., Detroit, Mich., assignor, by mesne assignments, to Eaton Detroit Metal Company, Cleveland, Ohio. Hub cap and locking means therefor. 1,944,945; Jan. 30.
- Nehls, Charles H., assignor, by mesne assignments, to Lyon Cover Company, Detroit, Mich. Tire cover. 1,963,143; June 19.
- Nehls, Herbert, Hawthorne, N. J., assignor to Landis & Gyr, A. G. Coin reset time period control device. 1,957,901; May 8.
- Neidhart, Robert L., St. Louis, Mo. Razor blade holder. 1,957,663; May 8.
- Neidich Cel-Lus-Tra Corporation. (See Titone, Joseph, assignor.)
- Neidich, Samuel A., Edgewater Park, N. J. Treating articles of celluloid and the like. 1,969,273; Aug. 7.
- Neidlinger, Jacob L., Good Spring, and E. Grandmason, Joliet, Pa. Automobile jack. 1,953,687; Apr. 3.
- Neidlinger, John E., Rochester, N. Y. Combined stool and Christmas tree holder. 1,962,255; June 12.
- Neighbors, Charles C. (See Crossley, A., and Neighbors.)
- Neighbors, Charles C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making magnetic bodies. 1,948,308; Feb. 20.
- Neighbour, Leonard B. (See Swanson, S. S., and Neighbour.)
- Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Manure spreader. 1,946,807; Feb. 13.
- Neighbour, Leonard B., Moline, and F. A. Thomann, East Moline, assignors to Deere & Company, Moline, Ill. Cotton harvester. 1,946,542; Feb. 13.
- Neil, George H., assignor to William Neil & Company, Chicago, Ill. Swing spout measure. 1,959,961; May 22.

- Neil, Joseph B., assignor to one-half to F. E. Moore Lumber Co., York, S. C. Beehive. 1,950,321; Mar. 6.
- Neil, William, & Company. (See Neil, George H., assignor.)
- Neiley, Stephen B., Winchester, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Rubber-impregnated fibrous sheet material. 1,978,385; Oct. 23.
- Neill, Joseph R., assignor to The Watertown Manufacturing Company, Watertown, Conn. Thermometer case body. Des. 93,353; Sept. 18.
- Neill, William A., Mount Vernon, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Salt filter. 1,971,792; Aug. 28.
- Neillon, Patrick J., assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Distributing piping for sprinkler systems. 1,979,400; Nov. 6.
- Neilsen, Charles L. (See Burrows, Stanley, assignor.)
- Neilsen, Karl K., assignor to Alcor Manufacturing Company, Chicago, Ill. Candle socket. 1,979,339; Nov. 6.
- Neilson, Christopher B. V. (See Pocock, L. C., Neilson, and Blackburn.)
- Neilson, Mary D., Minneapolis, Minn. Slip-on garment. 1,963,334; June 19.
- Nein, William C., and T. W. Varley, New York, N. Y. Highway traffic signal. 1,950,741; Mar. 13.
- Nein, William C., and T. W. Varley, New York, N. Y. Self-starting synchronous motor. 1,982,826; Dec. 4.
- Neiss, Oskar, Hamburg, Germany. Producing an unsymmetrical alternating voltage. 1,968,346; July 31.
- Neisworth, Thomas J., Millville, Pa. Liquid-dispensing apparatus. 1,979,076; Oct. 30.
- Neitzel, Franz. (See Bodmer, E., and Neitzel.)
- Neitzke, Oscar F., Belmont, Mass. Dispersion of mineral matter. 1,981,522; Nov. 20.
- Neitzke, Oscar F., Belmont, assignor to Bennett, Incorporated, Cambridge, Mass. Manufacture of water-repellent papers or paper articles sized with wax dispersions. 1,983,918; Dec. 11.
- Nejedly, Peter M., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Shell opener for cigarette packaging machines. 1,981,463; Nov. 20.
- Neklutin, Constantine. (See Marriott, F., and Neklutin.)
- Nekoosa-Edwards Paper Company. (See Waern, A. W., and Bunde, assignors.)
- Nelke, David L., New York, N. Y. Display fixture. 1,947,165; Feb. 13.
- Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Feed control mechanism. 1,957,976; May 8.
- Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Lubrication of fluid pressure tools. 1,968,901; Aug. 7.
- Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Chuck construction for rock drills. 1,968,902; Aug. 7.
- Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Drill steel centralizer. 1,977,349; Oct. 16.
- Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Liquid injecting and ejecting apparatus. 1,984,422; Dec. 18.
- Nelson, Adolph L., Detroit, Mich. Piston. 1,982,396; Nov. 27.
- Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,944,361; Jan. 23.
- Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,945,994; Feb. 6.
- Nelson, Albert, Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. Re19,294; Aug. 28.
- Nelson, Albert C., Flushing, N. Y., assignor, by mesne assignments, to Westinghouse X-Ray Company, Inc. Fluoroscopic shutter control mechanism for X-ray apparatus. 1,953,497; Apr. 3.
- Nelson, Albert C., Flushing, N. Y., assignor, by mesne assignments, to Westinghouse X-Ray Company, Inc. X-ray tilt table and bucky unit. 1,957,720; May 8.
- Nelson, Albert G. W., et al. (See Miquelon, Edward Z., assignor.)
- Nelson, Alfred E., and A. Humphries, Taft, Tex. Adjustable disk and tool grinder. 1,967,447; July 24.
- Nelson, Andrew W., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind. Wall tile fastening. 1,966,041; July 10.
- Nelson, Archer, assignor to Adair Royalties Co., Inc., Newark, N. J. Cervical tampon applicator. 1,969,671; Aug. 7.
- Nelson, Arvid, Jamestown, N. Y. Toilet seat cover. 1,979,634; Nov. 6.
- Nelson, Axel. (See Nyman, Erik G., assignor.)
- Nelson, Axel, Great Neck, N. Y. Connector. 1,984,540; Dec. 18.
- Nelson, Ben S., Oak Park, Ill. Window cleaner's safety device. 1,963,799; June 19.
- Nelson, Bert J. (See Coles, W. H., and Nelson.)
- Nelson, Buell C., and F. W. Allen, Portland, Oreg., assignors to Buell C. Nelson, trustee. Building construction. 1,964,131; June 26.
- Nelson, Buell C., trustee. (See Nelson, B. C., and Allen, assignors.)
- Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. Des. 92,420; June 5.
- Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. 1,973,442; Sept. 11.
- Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. Des. 93,882; Nov. 20.
- Nelson, Carl S., Minneapolis, Minn. Cream extractor. 1,974,343; Sept. 18.
- Nelson, Carl W. (See Nelson, C. F., Follin, and Nelson.)
- Nelson, Carrie. (See Nelson, John A. and C.)
- Nelson, Charles M. H., Los Angeles, Calif. Luminescent tube electrode receptacle. 1,942,724; Jan. 9.
- Nelson, Charles S. (See Benner, R. C., Porter, and Nelson.)
- Nelson, Charles S., Niagara Falls, N. Y., and G. H. Porter, Pittsfield, Mass., assignors to The Carborundum Company, Niagara Falls, N. Y. Rubber bonded abrasive article. 1,976,798; Oct. 16.
- Nelson, Christian B., Chicago, Ill., assignor to Pevely Dairy Company, St. Louis, Mo. Bottle collaring machine. 1,971,576; Aug. 28.
- Nelson, Clarence F., W. E. Follin, and C. W. Nelson, Newport, R. I. Refilling device for reservoirs of oil stoves and the like. 1,966,829; July 17.
- Nelson Corporation, The. (See Watson, Edgar, assignor.)
- Nelson, David J., Hamburg, assignor to Martin & Schwartz, Inc., Buffalo, N. Y. Gasoline dispenser. 1,964,783; July 3.
- Nelson, David J., Hamburg, and H. Y. Henning, Kenmore, assignors to Martin & Schwartz, Inc., Buffalo, N. Y. Liquid flow indicator. 1,964,784; July 3.
- Nelson, Edwin F., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,978,593; Oct. 30.
- Nelson, Emanuel R., Glendale, and N. Thompson, Eagle Rock, Calif., assignors to Johnson and Johnson. Absorbent roll and producing same. 1,985,667; Dec. 25.
- Nelson, Emil A., Detroit, Mich. Equalizing mechanism. 1,950,259; Mar. 6.
- Nelson, Emil A., Detroit, Mich. Lined brake shoe. 1,950,260; Mar. 6.
- Nelson, Emil A., Detroit, Mich. Wheel and rim construction. 1,958,973; May 15.
- Nelson, Emil A., Detroit, Mich. Constructing a wheel. 1,958,974; May 15.
- Nelson, Emil A., Detroit, Mich. Cast brake drum construction. 1,975,968; Oct. 9.
- Nelson, Emil A., Detroit, Mich. Brake mechanism. 1,977,916; Oct. 23.
- Nelson, Emil A., Detroit, Mich. Wheel. 1,985,054; Dec. 18.
- Nelson, Everett C., C. W. Ledgerwood, and G. L. Wilson, Duluth, Minn. Training device. 1,962,256; June 12.
- Nelson, Franklin C., Roselle, N. J., assignor to Stanco Incorporated. Spray nozzle. 1,976,799; Oct. 16.
- Nelson, Fred R., Greeneville, Tenn. Vending machine. 1,980,819; Nov. 13.
- Nelson, George, Revere, assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Display device. 1,977,009; Oct. 16.
- Nelson, George B., Redfield, Iowa. Combined shoveling and grain dumping board. 1,952,883; Mar. 27.
- Nelson, George B., Redfield, Iowa. Mail box. 1,982,923; Dec. 4.
- Nelson, George F., Berkeley, Calif. Treating metals. 1,985,456; Dec. 25.
- Nelson, George S., Salt Lake City, Utah. Ready spaced bar chair and pencil rod anchor. 1,955,387; Apr. 17.
- Nelson, George S., Salt Lake City, Utah. Variable width metal form and form holder. 1,964,958; July 3.
- Nelson, George W. (See Woodman, F. N., Nelson, and Smith.)
- Nelson, Gustaf E., Los Angeles, Calif. Cutting device. 1,959,962; May 22.
- Nelson, Hans A., Exira, Iowa. Scoop board for vehicle boxes. 1,979,401; Nov. 6.
- Nelson, Hans P., Grantwood, N. J. Semi-flexible handle for pole mallets. 1,976,455; Oct. 9.
- Nelson, Henry E., Everett, Wash. Toy airplane. 1,974,656; Sept. 25.
- Nelson, Henry E., Everett, Wash. Cookie molding machine. 1,981,186; Nov. 20.
- Nelson, Henry J., and B. S. Franklin, New York, N. Y., assignors to Radio Corporation of America. Time alarm. 1,955,558; Apr. 17.
- Nelson, Henry T. (See Johanson, John H., assignor.)
- Nelson, Herbert A., Manette, Wash. Cleaning device. 1,981,744; Nov. 20.
- Nelson, Herman, Corporation, The. (See Nelson, Richard H., assignor.)
- Nelson, Herman, Corporation, The. (See Shurtleff, Wilfred, assignor.)
- Nelson, Jewell, Dallas, Tex. Brassière. 1,963,373; June 19.
- Nelson, John, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Automatic registering and stopping device. 1,977,773; Oct. 23.
- Nelson, John, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,980,078; Nov. 6.
- Nelson, John A. and C., Bath, S. Dak. Fuel sayer. 1,958,491; May 15.
- Nelson, John B., Manley, and H. J. Stanfield, Mason City, Iowa. Fish-holding device. 1,962,570; June 12.

- Nelson, John G., Baytown, Tex. Navigating instrument. 1,969,939; Aug. 14.
- Nelson, John N., Cranston, R. I., assignor to Universal Optical Corporation. Ophthalmic mounting. 1,945,617; Feb. 6.
- Nelson, John N., assignor to Universal Optical Corporation. Providence, R. I. Ophthalmic mounting. 1,957,721; May 8.
- Nelson, Julius S., San Jose, Calif. Fire extinguisher. 1,961,567; June 5.
- Nelson, Julius S., and P. A. Stover, San Jose, Calif. Fire extinguisher. 1,970,863; Aug. 21.
- Nelson, Lester E., Minneapolis, Minn. Eyeglasses. 1,978,276; Oct. 23.
- Nelson, Lewen R., Peoria, Ill. Hose connector and the like. 1,965,426; July 3.
- Nelson, Louis P., Philadelphia, Pa. Electrical connector. 1,949,973; Mar. 6.
- Nelson, Mark W., Lincoln, Nebr. Flexible shaft paint mixing apparatus or device. 1,954,093; Apr. 10.
- Nelson, Martin L., Park Ridge, and H. C. Robinson, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Merchandise control system. 1,974,191; Sept. 18.
- Nelson, Myron A., and E. W. Henry, Cheyenne, Wyo. Foot muscle exerciser. 1,948,534; Feb. 27.
- Nelson, Nels H., Minneapolis, Minn. Wheeled toy. Des. 92,621; June 26.
- Nelson, Nels H., Minneapolis, assignor of one-half to G. E. Norberg, St. Paul, Minn. Wheeled toy. Des. 92,192; May 8.
- Nelson, Nels H., Minneapolis, assignor to G. E. Norberg, St. Paul, Minn. Wheeled toy. Des. 92,193; May 8.
- Nelson, Nels H., Des Moines, Iowa. Rolling awning or screen housing and support. 1,950,808; Mar. 13.
- Nelson, Norman C., Worcester, Mass. Reinforced concrete fence. 1,954,256; Apr. 10.
- Nelson, Oscar F. (See Lindgren, Gustave, assignor.)
- Nelson, Oscar T., Cleveland, Ohio. Oil and grease cup. 1,964,298; June 26.
- Nelson, Owen F. (See McMath, R. R., and Nelson.)
- Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Radiator cabinet. Des. 93,354; Sept. 18.
- Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Radiator cabinet. Des. 93,355; Sept. 18.
- Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Radiator cabinet. Des. 93,569; Oct. 9.
- Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Radiator construction. 1,951,368; Mar. 20.
- Nelson, Richard H., assignor to The Herman Nelson Corporation, Moline, Ill. Unit heater and control mechanism therefor. 1,982,686; Dec. 4.
- Nelson, Robert, New Dayton, Alberta, assignor of one-fourth to T. R. Reece, Lethbridge, Alberta, Canada. Suspension means for lifting jacks. 1,975,969; Oct. 9.
- Nelson, Robert A., assignor to The Standard Envelope Manufacturing Company, Cleveland, Ohio. Feeding device for envelope folding machines or the like. 1,978,056; Oct. 23.
- Nelson, Robert F., Ardmore, assignor to The Glassine Paper Company, West Conshohocken, Pa. Method and machine for making laminated paper. 1,965,719; July 10.
- Nelson, Rudolph S., Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 1,952,214; Mar. 27.
- Nelson, Rudolph S., Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio. Room cooling apparatus. 1,975,859; Oct. 9.
- Nelson, Reuben, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Key structure for piano accordions. 1,984,079; Dec. 11.
- Nelson, Suzanne, Portland, Oreg. Soap and crystal dispenser. 1,973,319; Sept. 11.
- Nelson, Theodore J. (See Gerlofson, C. H., and Nelson.)
- Nelson, Tom H., Villanova, Pa. Supporting member for enameling racks. 1,963,242; June 19.
- Nelson, Victor E., assignor to Universal Oil-Seal Company, Pontiac, Mich. Dustguard. 1,942,567; Jan. 9.
- Nelson, Victor J., Seattle, Wash. Pathtub banger. 1,962,784; June 12.
- Nelson, Virginia P., New York, N. Y. Knockdown canopy support. 1,973,540; Sept. 11.
- Nelson, William L. (See Lien, Anton O., assignor.)
- Nelson, William L., assignor to Rock-Ola Mfg. Co., Chicago, Ill. Game device. 1,942,898; Jan. 9.
- Nelson, William L., assignor to C. Pistorius, Chicago, Ill. Cake knife. 1,948,592; Feb. 27.
- Nemcovsky, Louis A., New York, N. Y., assignor to Peerless Typewriter Corporation. Typewriting machine. 1,969,274; Aug. 7.
- Nemechek, Edward L., Kansas City, Mo. Combination fruit juice extractor and kitchen utensil. 1,957,609; May 8.
- Nemetz, Gustav, assignor firm Alex. Friedmann, Vienna, Austria. Oil distributing and apportioning device. 1,953,564; Apr. 3.
- Nemirovsky, Leon, assignor to A. Belloy, Paris, France. Multiple system. 1,941,618; Jan. 2.
- Nemmer, Albert W. (See Nemmer, Frank X. and A. W.)
- Nemmer, Frank X. and A. W., Cheektowaga, N. Y. Spring cushion for furniture. 1,963,670; June 19.
- Nemmers, Peter J. L., Chicago, Ill. Toothbrush. 1,961,161; June 5.
- Nemours, Auguste V., Woodcliff, N. J., and C. R. Decker, Boston, Mass. Stop-skid device and car lock. 1,950,261; Mar. 6.
- Nenne, William F., Bloomington, Ill. Adjustable seat. 1,964,405; June 26.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,961,522; June 5.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,961,523; June 5.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,961,524; June 5.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,965,252; July 3.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Variable speed transmission for machine tools. 1,965,253; July 3.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine structure. 1,972,827; Sept. 4.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,972,828; Sept. 4.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,976,136; Oct. 9.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Back lash compensator. 1,976,138; Oct. 9.
- Neeninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Spindle mounting. 1,982,265; Nov. 27.
- Neeninger, Lester F. and F. A. Hassman, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic milling machine. 1,969,231; Aug. 7.
- Neeninger, Lester F. and B. Sassen, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulically actuated slide for machine tools. 1,976,137; Oct. 9.
- Neeninger, Lester F. and B. Sassen, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,976,139; Oct. 9.
- Neeninger, Lester F. and F. A. Hassman, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic milling machine. 1,978,353; Oct. 23.
- Neeninger, Lester F. and B. Sassen, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine transmission control mechanism. 1,978,354; Oct. 23.
- Neo Brush Holder Corporation. (See Stevens, H. L., and Weber, assignors.)
- Neon, Claude, Lights, Inc. (See Beck, Leo L., assignor.)
- Neon-Globe Co., Inc. (See Drake, Charles B., assignor.)
- Ne Page, Justus F., assignor to Ne Page McKenny Co., Seattle, Wash. Method of and machine for manufacturing concrete poles. 1,954,574; Apr. 10.
- Ne Page, Justus F., assignor to Ne Page McKenny Co., Seattle, Wash. Centrifugal molding machine. 1,984,197; Dec. 11.
- Ne Page McKenny Co. (See Ne Page, Justus F., assignor.)
- Nepple, Henry, assignor to W. J. Pearson, Los Angeles, Calif. Clutching device. 1,944,994; Jan. 30.
- Neprud, Carl A., Coon Valley, Wis. Silo door and ladder structure. 1,951,557; Mar. 20.
- Neptune Meter Company. (See Hazard, Charles S., assignor.)
- Neptune Meter Company. (See Marden, William L., assignor.)
- Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Liquid boiler. 1,948,355; Feb. 20.
- Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Vapor generator. 1,948,356; Feb. 20.
- Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 1,964,592; June 26.
- Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Mercury vapor generator and the like. 1,964,593; June 26.
- Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator and the like. 1,965,427; July 3.
- Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid generator. 1,980,820; Nov. 13.
- Nerad, Anthony J. and B. L. Newkirk, Schenectady, N. Y., assignors to General Electric Company. Cleaning mercury boilers. 1,964,594; June 26.
- Nerem, Robert, Evanston, assignor to Standard Oil Company, Chicago, Ill. Flood lamp standard. 1,971,757; Aug. 28.
- Nerem, Robert, Evanston, assignor to Standard Oil Company, Chicago, Ill. Combination manhole cover and safety valve. 1,982,118; Nov. 27.
- Neresheimer, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the benzanthraquinone acridine series and making them. 1,984,941; Dec. 18.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Spectacle frame. Des. 91,279; Jan. 2.

- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Bridge for an ophthalmic mounting. Des. 92,547; June 19.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Bridge for an ophthalmic mounting. Des. 92,548; June 19.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Bridge for an ophthalmic mounting. Des. 92,549; June 19.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Bridge for an ophthalmic mounting. Des. 92,550; June 19.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Spectacle front. Des. 92,673; July 3.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Bridge for an ophthalmic mounting. Des. 93,631; Oct. 16.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,952,455; Mar. 27.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,960,791; May 29.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,969,145; Aug. 7.
- Nerney, George E., Attleboro, Mass., assignor to Bay State Optical Company. Eyeglass construction. 1,970,429; Aug. 14.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,971,229; Aug. 21.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,981,464; Nov. 20.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,981,706; Nov. 20.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,984,541; Dec. 18.
- Nerney, Lester W., Attleboro, Mass. Tea-ball. Des. 93,503; Oct. 2.
- Nero, Arvid H. (See Harrington, W. H., and Nero.)
- Nero, Arvid H., West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Locking device. 1,951,312; Mar. 13.
- Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Attachment plug receptacle. 1,977,487; Oct. 16.
- Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric lamp socket. 1,980,079; Nov. 6.
- Nero, Arvid H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric connecting device. 1,984,278; Dec. 11.
- Nesbit, Hal B., Hood River, Oreg. Shoe polishing rack. 1,942,725; Jan. 9.
- Nesbit, Robert C., Alpharetta, Ga. Harrow. 1,983,143; Dec. 4.
- Nessbitt, James W., Detroit, Mich. Rendering metal self-lubricating. 1,964,671; June 26.
- Nessbitt, John J., Inc. (See Ewald, W., and McElgin, assignors.)
- Nesheff, George, Cleveland, Ohio. Seamless tube forming and drawing machine. 1,982,323; June 12.
- Nesmith, George W., Tulsa, Okla. Adhesive liquid container adapted to ready use and sealing the same. 1,946,330; Feb. 6.
- Ness, James S., Chicago, Ill., assignor to Waters-Genter Company, Minneapolis, Minn. Combined tray, bread knife, and holder. Des. 94,094; Dec. 18.
- Nessel, Elizabeth B., et al. (See Nessel, Jesse, assignor.)
- Nessel, Jesse, St. Louis, Mo., assignor of one-third to E. B. Nessel, one-sixth to H. N. Urberger, and one-sixth to C. M. Urberger. Vapor hood. 1,954,257; Apr. 10.
- Nesselmann, Kurt V., Berlin-Siemensstadt, Germany, assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration. 1,975,860; Oct. 9.
- Nesselmann, Kurt V., Berlin-Siemensstadt, Germany, assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Absorption refrigerating system. 1,976,800; Oct. 16.
- Nessler, Aldo E. (See Alsaker, A., and Nessler.)
- Nessler, Charles, Palisades, N. Y., assignor, by mesne assignments, to Pro-Ker Laboratories, Inc. Measuring the growth or production of hair. 1,962,357; June 12.
- Nessler, Charles, New York, N. Y., assignor, by mesne assignments, to Pro-Ker Laboratories, Inc. Ascertaining the hair production of a subject. 1,962,518; June 12.
- Nessler, Friedrich, Berlin, assignor to I. G. Farbenindustrie, Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Separation of mixtures of alkali metal nitrates with ammonium chloride. 1,967,897; July 24.
- Nester, Howard W., assignor to Parker Wire Goods Company, Worcester, Mass. Curtain display frame. 1,956,080; Apr. 24.
- Nester, William A., East St. Louis, Ill., assignor to Obeart-Nester Glass Company, St. Louis, Mo. Bottle. Des. 92,486; June 12.
- Nestle-Lemur Company, The. (See Cox, John W.)
- Netal, Hanns. (See Triger, Ludwig, assignor.)
- Nette, Henry C., Rutherford, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Circuit controlling device. 1,955,201; Apr. 17.
- Netzel, Frank M., assignor to Frost Rubber Works, Chicago, Ill. Manufacturing strip sponge rubber. 1,949,175; Feb. 27.
- Netzel, Frank M., and E. F. Frost, assignors to Frost Rubber Works, Chicago, Ill. Automobile floor mat or analogous article. Des. 91,960; Apr. 10.
- Netzky, William, New York, N. Y. Blouse. Des. 93,942; Nov. 27.
- Neubauer, Herman E., assignor to Buffalo Foundry and Machine Co., Buffalo, N. Y. Rotary drum drier. 1,957,146; May 1.
- Neuberg, Gustav J. T., Chicago, Ill. Folding rule. 1,969,988; Aug. 14.
- Neuberger, Lester, assignor to Devon Bakeries, Inc., New York, N. Y. Manufacture of toasted bread wafers. 1,956,130; Apr. 24.
- Neubert, Oskar, Leverkusen-I. G.-Werk, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Agent for keeping cut flowers and the like fresh. 1,956,908; May 1.
- Neuberth, Emma. (See Neuberth, Franklin G. and R. F., assignors.)
- Neuberth, Franklin G. and R. F., assignors to E. Neuberth, Ansonia, Conn. Receptacle closure. 1,968,258; July 31.
- Neuberth, Raymond F. (See Neuberth, Franklin G. and R. F.)
- Neuenfeldt, Otto H., St. Paul, Minn. Oil burner casing. Des. 93,418; Sept. 25.
- Neufeld, Hans. (See Schwab, M., and Neufeld.)
- Neufeld, Leonard C. (See Read, H. D., and Neufeld.)
- Neugebauer, Hermann. (See Geise, F., and Neugebauer.)
- Neubas, Ralph, assignor to Hughes Tool Company, Houston, Tex. Valve stem packing. 1,954,643; Apr. 10.
- Neuhaus, Clemens J. (See Brown, H. M., Estler, and Neuhaus.)
- Neuhausen, Sebastian P., Lombard, Ill. Window construction. 1,949,257; Feb. 27.
- Neuhauss, Heinrich, Dusseldorf, Germany, assignor to The Ajax Metal Company, Philadelphia, Pa. Making stainless steel. 1,946,873; Feb. 13.
- Neuhoff, Max M., New York, N. Y. Fountain pen. Des. 92,362; May 29.
- Neukert, Karl. (See Schneider, E., and Neukert.)
- Neuland, Alfons H., Irvington, N. J., assignor, by mesne assignments, to Electrogear Corporation. Power transmission device. Re19,063; Jan. 23.
- Neuland, Alfons H., Irvington, N. J., assignor, by mesne assignments, to Electrogear Corporation. Automatic power transmission. Re19,065; Jan. 30.
- Neuland, Alfons H., Irvington, N. J., assignor, by mesne assignments, to Electrogear Corporation. Electric system for vehicles. Re19,066; Jan. 30.
- Neulen, Lester N. (See Smith, H. L., and Neulen.)
- Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Band moistener. 1,981,465; Nov. 20.
- Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Registering web feed for wrapping machines. 1,984,804; Dec. 18.
- Neuman, Albert H., Chicago, Ill. Merchandise display rack. Des. 92,104; Apr. 24.
- Neuman, Fred A., Lansing, assignor to General Motors Corporation, Detroit, Mich. Mask for stripping wheels. 1,976,360; Oct. 9.
- Neuman, Fred A., Lansing, assignor to General Motors Corporation, Detroit, Mich. Painting mask for wheels. 1,979,989; Nov. 6.
- Neuman, Harry G. (See Neuman, Jacob J. and H. G.)
- Neuman, Jacob J. (See Andrews, N. R., and Neuman.)
- Neuman, Jacob J. (See Lienau, J. H., and Neuman.)
- Neuman, Jacob J., Jamaica, N. Y. Truck lifting device. 1,952,138; Mar. 27.
- Neuman, Jacob J. and H. G., New York, N. Y. Apparatus for conveying sugars and other granular or comminuted materials. 1,957,224; May 1.
- Neumann, Franz J. G., and W. R. Haubold, Anahuac, assignors, by mesne assignments, to The Salt Dome Oil Corporation, Houston, Tex. Apparatus for making geophysical measurements. 1,983,483; Dec. 4.
- Neumann, Frederick F. (See Sherman, R. M., and Neumann.)
- Neumann, Hans. (See Hyra, Emil, assignor.)
- Neumann, Hans, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrodynamical telephone. 1,962,206; June 12.
- Neumann, John G., Abilene, Tex. Electromagnetic gas regulating and igniting attachment. 1,976,625; Oct. 9.
- Neumann, Joseph and R., New York, N. Y. Printing of charts. 1,977,805; Oct. 23.
- Neumann, Otto, assignor to Max A. Halle, Berlin, Germany. Electrically driven clock. 1,964,857; July 3.
- Neumann, R., and Company. (See Prager, George J., assignor.)
- Neumann, Ralph B., Jr., Webster Groves, Mo. Air-tight sash and window frame. 1,981,116; Nov. 20.
- Neumann, Rudolf, Berlin-Charlottenburg, Germany. Diaphragm pressure regulator. 1,972,234; Sept. 4.
- Neumann, Rudolph. (See Neumann, Joseph and R.)
- Neumann, Victor, Los Angeles, assignor to J. F. Meyer, Pasadena, Calif. Check controlled switch mechanism. 1,942,443; Jan. 9.
- Neumann, Victor, Los Angeles, assignor to J. F. Meyer, Pasadena, Calif. Amusement machine. 1,982,119; Nov. 27.

- Neumann, Warren R., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor contact clip. 1,948,309; Feb. 20.
- Neumann, Willy. (See Wittemeier, H., and Neumann.)
- Neumer, Ferdinand, assignor to Jacob Ruppert, New York, N. Y. Bottle opener. Des. 91,635; Feb. 27.
- Neumer, Otto. (See Stearns, F. H., and Neumer.)
- Neumiller, Harry J., Peoria, Ill., assignor, by mesne assignments, to du Pont Cellophane Company, Inc., New York, N. Y. Sealing. 1,964,959; July 3.
- Neumiller, Harry J., assignor to Humitube Mfg. Co., Peoria, Ill. Machine for making and sealing containers from transparent cellulose material. 1,978,594; Oct. 30.
- Neundlinger, Karl. (See Griessbach, R., and Neundlinger.)
- Neunherz, Herbert W., and G. W. Atwood, assignors to Gem Crib & Cradle Company, Gardner, Mass. Crib side drop. 1,961,593; June 5.
- Neurath, Egon, Kai, Vienna, Austria. Clutching mechanism. 1,946,177; Feb. 6.
- Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Synchronous motor. 1,957,281; May 1.
- Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Self starting synchronous single phase alternating current motor. 1,962,832; June 12.
- Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Electric clock. 1,977,350; Oct. 16.
- Neurohr, Ferdinand G., Hollis, N. Y. Dental restoration. 1,976,085; Oct. 9.
- Neus, Harry E., New York, N. Y. Controlling means for web winding machines. 1,977,197; Oct. 16.
- Neuschotz, Robert, New York, N. Y. Safety apparatus for elevators. 1,977,452; Oct. 16.
- Neuschotz, Robert A., New York, and W. Liebfried, Jamaica, N. Y.; said Liebfried assignor to said Neuschotz. Elevator signaling mechanism. 1,947,097; Feb. 13.
- Nevelt Limited. (See Gould, F. C., and Harrison.)
- Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,952,356; Mar. 27.
- Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,964,071; June 26.
- Neveu, Anselme, Livry-Gargan, and J. Guillemin-Tarayre, Villemombe, France, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,964,072; June 26.
- Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pressure regulator for fluid pressure apparatus. 1,980,349; Nov. 13.
- Neville Company, The. (See Anderson, George K., assignor.)
- Neville Ryland Davis. (See Murray, Guy L., assignor.)
- Neville, William H., Birmingham, Ala., assignor to Monitor Controller Company, Baltimore, Md. Electric motor control system. 1,942,185; Jan. 9.
- Nevins Church Press, Inc. (See Locke, Edwin A., jr., assignor.)
- Nevitt, Henry G., assignor to White Eagle Oil Corporation, Kansas City, Mo. Analytical apparatus for testing asphalts. 1,967,424; July 24.
- New, Gustave A., Lakewood, Ohio, assignor, by mesne assignments, to National Gypsum Company, Buffalo, N. Y. Sound absorbing and insulating composition. 1,946,914; Feb. 13.
- Newark Paraffine & Parchment Paper Co. (See Eisner, William J., assignor.)
- Newark Warehouse Company. (See Campbell, N. G., and Ring, assignors.)
- Neway Specialty Manufacturing Company. (See Ryan, John F., assignor.)
- Newbery, John G. (See Newbery, John W. and J. G.)
- Newbery, John W. and J. G., Rockville Center, assignors of one-half to N. Hirsch, New York, N. Y. Oil burner. 1,961,072; May 29.
- Newbold, Roger M., Santa Monica, Calif. Radiocabinet. Des. 92,264; May 15.
- Newbold, Roger M., Santa Monica, Calif. Loud speaker and table assembly. Des. 92,265; May 15.
- New Britain Gridley Machine Company, The. (See Brown, Robert S., assignor.)
- New Britain-Gridley Machine Company. (See Montgomery, Donald H., assignor.)
- New Brunswick Electric Supply Company. (See Mangin, James, assignor.)
- Newby, William G., Hertford, N. C. License tag fastening clamp. 1,950,322; Mar. 6.
- Newcomb, George C., Sandston, Va. Forming seals for closure fasteners. 1,958,673; May 15.
- Newcomb, William, New York, N. Y. Device for producing homogeneous or integrated artificial ice commercially. 1,959,003; May 15.
- Newcomer, Harry S., New York, N. Y. Photographic objective. Re19,056; Jan. 23.
- Newcomer, Harry S., New York, N. Y. Anamorphosing objective. 1,945,950; Feb. 6.
- Newcomer, Harry S., New York, N. Y. Afocal objectives. 1,945,951; Feb. 6.
- Newcomer, Martin, Woodbridge, N. J., and V. K. Newcomer, Independence, Mo. Manufacture of Portland cement. 1,959,796; May 22.
- Newcomer, Vincent K. (See Newcomer, Martin, and V. K.)
- New Delphos Manufacturing Company, The. (See Werner, E. C., and Burger, assignors.)
- Newell, Elwood B., Grand Rapids, Mich. Collar-fastening device. 1,953,429; Apr. 3.
- Newell, Everett E. (See Norwood, H. Y., and Newell.)
- Newell, Floyd B., assignor to Taylor Instrument Companies, Rochester, N. Y. Barometer. 1,963,860; June 19.
- Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostat bellows assembly. 1,969,574; Aug. 7.
- Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Temperature responsive mechanism. 1,970,969; Aug. 21.
- Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostatic control system. 1,981,707; Nov. 20.
- Newell, Robert E., Irwin, and J. A. Robertshaw, Greensburg, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Valve. 1,983,183; Dec. 4.
- New England Bedding Company. (See Johnson, Gustave A., assignor.)
- New England Box Company, The. (See Johnson, Edward T., assignor.)
- New England Box Company, The. (See Tufts, Nathan, assignor.)
- New England Butt Company. (See Littlefield, Arlon, assignor.)
- New England Fibre Blanket Company. (See Ellis, Theodore T., assignor.)
- New England Fish Company. (See Beard, Harry R., assignor.)
- New England Lace Mills, Inc. (See Boysen, George D., assignor.)
- New England Lace Mills, Inc. (See Edson, Bert, assignor.)
- New England Lace Mills, Inc. (See Springthorpe, Alec, assignor.)
- New England Lace Mills, Inc. (See Truman, Frederick, assignor.)
- New England Mica Co. (See Boughton, Willis A., assignor.)
- New England Mica Co., The. (See Boughton, W. A., and Mansfield.)
- Newey, William H., Hingham, assignor to Pneumatic Scale Corporation Limited, Quincy, Mass. Receptacle cleaning and filling apparatus. 1,977,138; Oct. 16.
- Newgard, Ingwald M., Los Angeles, Calif. Duplicating machine. 1,952,629; Mar. 27.
- Newhall, Henry B., Corporation. (See Pleister, Henry W., assignor.)
- Newhall, Henry B., Corporation. (See Pleister, H. W., and Karitzky, assignors.)
- Newhall, Herbert B., East Saugus, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,952,772; Mar. 27.
- Newhall, Thomas, Ithan, and P. S. Pittenger, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Advertising sign. 1,958,064; May 8.
- New Haven Clock Company, The. (See Chamberlain, Albert H., and T. H., assignors.)
- New Haven Clock Company, The. (See Whitehead, R. H., and Langbein, assignors.)
- New Haven Clock Company, The. (See Whitehead, R. H., and Porter, assignors.)
- New Haven Dispensary, The. (See Anderson, R. J., and Newman, assignors.)
- Newhouse, Ray C. (See Agthe, F. T., and Newhouse.)
- Newhouse, Ray C., Wauwatosa, Wis. Mixing apparatus. 1,947,487; Feb. 20.
- Newhouse, Ray C., Wauwatosa, Wis. Producing construction material. 1,947,488; Feb. 20.
- Newhouse, Ray C., Wauwatosa, and G. D. Becker, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Lubricating system. 1,950,584; May 1.
- Newhouse, Walter F., Benton Harbor, Mich. High speed stapling mechanism. 1,952,215; Mar. 27.
- Newhouse, Walter F., Benton Harbor, Mich. Wirebound box or crate and manufacture thereof. 1,954,021; Apr. 10.
- Newhouse, Walter F., Benton Harbor, Mich. Machinery for making receptacles. 1,958,492; May 15.
- Newhouse, Walter F., Benton Harbor, Mich. Berry box. 1,960,391; May 29.
- Newhouse, Walter F., Benton Harbor, Mich. Machine for making bushel basket blanks or mats. 1,981,065; Nov. 20.
- New Idea Spreader Company, The. (See Oppenheim, Theodore H., assignor.)
- New Idea Spreader Company, The. (See Synck, Henry, assignor.)
- Newill, Edward B., assignor to Frigidaire Corporation, Dayton, Ohio. Apparatus for corrugating and winding metal foil. 1,952,181; Mar. 27.
- Newill, Edward B., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Antenna. 1,952,724; Mar. 27.
- Newill, Edward B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,966,641; July 17.
- New Jersey Clay Products, Inc. (See Holby, Frank A., assignor.)
- New Jersey State Agricultural Experiment Station. (See Blake, Maurice A., assignor.)
- New Jersey Zinc Company, The. (See Bunce, Earl H., assignor.)
- New Jersey Zinc Company, The. (See Bunce, E. H., and Ashman, assignors.)

- New Jersey Zinc Company, The. (See Bunce, E. H., and Lentz, assignors.)
- New Jersey Zinc Company, The. (See Cyr, Howard M., assignor.)
- New Jersey Zinc Company, The. (See Cyr, H. M., and Kress, assignors.)
- New Jersey Zinc Company, The. (See Ginder, P. M., and Hallacre, assignors.)
- New Jersey Zinc Company, The. (See Ginder, P. M., and Handwerk, assignors.)
- New Jersey Zinc Company, The. (See Ginder, P. M., Mahler, and Cyr, assignors.)
- New Jersey Zinc Company, The. (See Hoocy, W. C., and Flynn, assignors.)
- New Jersey Zinc Company, The. (See McCraven, Bonner N., assignor.)
- New Jersey Zinc Company, The. (See Myhren, Arne J., assignor.)
- New Jersey Zinc Company, The. (See Stutz, George F. A., assignor.)
- New Jersey Zinc Company, The. (See Stutz, G. F. A., and Elm, assignors.)
- New Jersey Zinc Company, The. (See Thompson, Joseph C., jr., assignor.)
- New Jersey Zinc Company, The. (See Truesdale, E. C., and Wilhelm, assignors.)
- New Jersey Zinc Company, The. (See Truesdale, E. C., Wilhelm, and Reinhard, assignors.)
- Newkirk, Burt L. (See Nerad, A. J., and Newkirk.)
- Newkirk, Burt L., Schenectady, N. Y., assignor to General Electric Company. Dry cleaning apparatus. 1,948,357; Feb. 20.
- Newkirk, Floyd F., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Machine for making commutator rings. 1,972,789; Sept. 4.
- Newkirk, Harry E., Pensacola, Fla. Spark intensifier for spark plugs. 1,951,989; Mar. 20.
- Newkirk, William B. (See Copland, C. J., and Newkirk.)
- Newkirk, William B., Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del. Manufacture of anhydrous dextrose. 1,976,361; Oct. 9.
- Newland, Jay R., Kalamazoo, Mich., assignor to Remington Rand Inc., Buffalo, N. Y. Loose-leaf binder. 1,976,245; Oct. 9.
- Newman, Albert H., Chicago, Ill. Merchandise display rack. Des. 92,105; Apr. 24.
- Newman, Albert H., Chicago, Ill. Merchandise display rack. Des. 92,363; May 29.
- Newman, Alfred, Tompkinsville, assignor to Pacific Coast Borax Company, New York, N. Y. Manufacture of potassium borate. 1,961,073; May 29.
- Newman, Charles, Elizabeth, N. J. Razor blade honing and stropping device. 1,979,282; Nov. 6.
- Newman, Charles, New York, N. Y., and W. O. Roach, Chicago, Ill., assignors, by mesne assignments, to Roach Appleton Manufacturing Company, South Bend, Ind. Fry-out for switch boxes and the like. 1,941,997; Jan. 2.
- Newman, Charles, New York, N. Y., and W. O. Roach, assignors, by mesne assignments, to Roach Appleton Manufacturing Company, South Bend, Ind. Closure for receptacles. 1,967,722; July 24.
- Newman, Charles P., Amberley, England. Core loosener. 1,965,352; July 3.
- Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Cover arrangement for a projection booth porthole. 1,948,972; Feb. 27.
- Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,980,285; Nov. 13.
- Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,980,286; Nov. 13.
- Newman, David F., Freeport, N. Y., and R. E. Hantzsch, Springfield, N. J., assignors to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Reproducer. 1,955,682; Apr. 17.
- Newman, David F., Freeport, and R. C. Underwood, Brooklyn, assignors to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection apparatus. 1,972,456; Sept. 4.
- Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Freezing tray. 1,964,476; June 26.
- Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Beverage cooling apparatus. 1,984,149; Dec. 11.
- Newman, Frank H. (See De Koning, F., and Newman.)
- Newman, Hazel B., Rochester, N. Y. Combination flower cup. 1,967,320; July 24.
- Newman, Helena, administratrix. (See De Koning, F., and Newman.)
- Newman, Horace L., New York, N. Y. Infant's and child's restraining jacket. 1,944,451; Jan. 23.
- Newman, J. Randolph. (See Auer, László, assignor.)
- Newman, J. Randolph, trustee. (See Auer, László, assignor.)
- Newman, Maurice H., Alameda, Calif. Electrical conduit. 1,966,731; July 17.
- Newman, Melvin S. (See Anderson, R. J., and Newman.)
- Newman, Walter J., Maplewood, and F. W. Munson, Overland, assignors to Wagner Electric Corporation, St. Louis, Mo. Balancing device. 1,980,693; Nov. 13.
- Newman, William A., Montreal, Quebec, Canada. Crank pin assembly. 1,950,009; Mar. 6.
- Newman, William J., Chicago, Ill. Drilling apparatus. 1,943,835; Jan. 16.
- Newman, William J., Chicago, Ill. Foundation construction. 1,954,094; Apr. 10.
- Newmann, John, Brooklyn, assignor to Charles G. Hensley, receiver, New York, N. Y. Crank connection for radial motors. 1,948,475; Feb. 20.
- Newmark, Morris, and E. Moss, New York, N. Y. Lubricating device. 1,944,191; Jan. 23.
- Newmark, Morris, and E. Moss, New York, N. Y. Lubricating device. 1,954,827; Apr. 17.
- Newmark, Morris, and E. Moss, New York, N. Y. Lubricating device. 1,981,243; Nov. 20.
- New Method Steel Stamps, Incorporated. (See Van Cantfort, Arthur V., assignor.)
- Newport Industries, Inc. (See Lee, Henry R., assignor.)
- Newport, Jesse H., Kenilworth, Ill. Heater. 1,952,456; Mar. 27.
- New Process Company. (See Stemwedel, Albert L., assignor.)
- New Process Gear Company. (See Dodge, R. L., Collins, and Lietzke, assignors.)
- New Products Corporation. (See Banker, Oscar H., assignor.)
- Newquist, Frederick, Essex, Iowa. Display rack for magazines and the like. 1,942,726; Jan. 9.
- New Service Manufacturing Corporation. (See Wood, E. O., and Zuch, assignors.)
- New Stoughton Company, The. (See Lubbers, Lubbert E., assignor.)
- News Projection Corporation. (See Eitzen, August D., assignor.)
- News Syndicate Co. Inc. (See Medford, Walter H., assignor.)
- Newton, Augustus A., Joiner, Ark. Cotton drier. 1,951,879; Mar. 20.
- Newton, Carl D. (See Long, Millard E., assignor.)
- Newton, Carrie G., administratrix. (See Long, Millard E.)
- Newton, Charles A. (See Smith, R. J., Newton, and Roe.)
- Newton, Earle R. (See Curtis, C. G., and Newton.)
- Newton, Edward G. (See McEachron, K. B., Newton, and Bennett.)
- Newton, Edward P., Whitton, Twickenham, England. Electrical apparatus for the control of stage lighting equipment or the like. 1,975,698; Oct. 2.
- Newton, Edwin B. (See Bodle, V. H., and Newton.)
- Newton, Edwin B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Drying rubber. 1,958,110; May 8.
- Newton, Edwin E., Montreal, H. P. Ray, Mount Royal, and A. A. Maurer, Montreal, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y. Strand working apparatus. 1,964,529; June 26.
- Newton, Edwin E., Montreal, H. P. Ray, Mount Royal, and A. A. Maurer, Montreal, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y. Strand winding apparatus. 1,964,530; June 26.
- Newton, Frank E., Hartford, Conn. Screw. 1,971,917; Aug. 28.
- Newton, George B., Chicago, Ill., assignor, by mesne assignments, to N. Littell, New Canaan, Conn. Rubber shoe. 1,959,352; May 22.
- Newton, George F. (See Kavanaugh, H. A., and Newton.)
- Newton, Harold M., Clayton, Mo., assignor to The Midland Creosoting Company, Toledo, Ohio. Apparatus for making flooring. 1,977,080; Oct. 16.
- Newton, Harold M., Clayton, Mo., assignor to The Midland Creosoting Company, Toledo, Ohio. Flooring. 1,982,476; Nov. 27.
- Newton, Harry H. (See Husted, Harry F., assignor.)
- Newton, Harry W., Chicago, Ill., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Filter cake discharge. 1,979,990; Nov. 6.
- Newton, Harry W., Chicago, Ill., and R. S. Butler, Los Angeles, Calif., assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Method and apparatus for forming, compacting, and discharging filter cake. 1,979,991; Nov. 6.
- Newton, Linnaeus S. (See Marquardt, C. H., Countryman, and Newton.)
- Newton, Paul J. (See York, M. D., and Newton.)
- Newton, Ray C., O. T. Bloom, and L. S. Paddock, assignors to Industrial Patents Corporation, Chicago, Ill. Treatment of crackings. 1,974,626; Sept. 25.
- Newton, Ray E., Corvallis, Oreg. Luggage rack and tire carrier. 1,979,809; Nov. 6.
- Newton, Robert C. (See Dodge, S. O., and Newton.)
- Newton, Robert S., Watertown, N. Y., assignor to The New York Air Brake Company. Grooving fixture. 1,951,488; Mar. 20.
- Newton, Sam. Altrincham, and F. Spence, Sale, assignors to Linotype and Machinery Limited, London, England. Inking mechanism for printing machines. 1,971,081; Aug. 21.
- Newton Steel Company. (See Fenton, Ray M., assignor.)
- Newton, Tracy S., jr., Atlanta, Ga. Folding top for rumble seats. 1,952,818; Mar. 27.
- Newton, William G., Hamden, Conn. Casting machine. 1,983,303; Dec. 4.
- New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
- New York Air Brake Company, The. (See Campbell, C. A. and Vroman, assignors.)

- New York Air Brake Company. (See Dodge, Parker, assignor.)
- New York Air Brake Company, The. (See Newton, Robert S., assignor.)
- New York Belting & Packing Company. (See Barstow, Francis L., assignor.)
- New York Belting & Packing Company. (See DeHolczer, Louis J., assignor.)
- New York Central Railroad Company, The. (See Thomas, William L., assignor.)
- New York Dugan Brothers, Inc. (See Steffen, Charles G., assignor.)
- New York Mattress Company. (See Zofnass, Jesse E., assignor.)
- New York Merchandise Co. Inc. (See Grant, A. E., and Buschman, assignors.)
- New York Quotation Company. (See Spencer, James A., assignor.)
- Neymann, Clarence A., Chicago, and S. L. Osborne, Oak Park, assignors to General Electric X-Ray Corporation, Chicago, Ill. Apparatus for use in giving diathermic treatments and the like. 1,973,387; Sept. 11.
- Niacet Chemicals Corporation. (See Reed, Herbert C., assignor.)
- Niagara Alkali Company. (See McCombs, Mathew F., assignor.)
- Niagara Blower Company. (See Bulkeley, Claude A., assignor.)
- Niagara Fold, Inc. (See Fleming, John S., assignor.)
- Niagara Machine and Tool Works. (See Lindgren, Bror J., assignor.)
- Niagara Sprayer and Chemical Co. Inc. (See Chater, J. A., Cary and Hollinger, assignors.)
- Niagara Sprayer and Chemical Company, Inc. (See Tower, M. L., and Dye, assignors.)
- Nicetown Manufacturing Company. (See Hessenbrun, Hermann M., assignor.)
- Nichol Manufacturing Company, et al. (See Willrodt, F. L., and Nichol, assignors.)
- Nichol, Orr T. (See Willrodt, F. L., and Nichol.)
- Nichol, Robert M., Medicine Hat, Alberta, Canada. Roller skate. 1,983,869; Dec. 11.
- Nicholas, Harold I., Chicago, Ill. Bathroom scale casing. Des. 92,194; May 8.
- Nicholas, Herbert T., Sandusky, Ohio, assignor to The Rotary Printing Company, Norwalk, Conn. Perforating machine. 1,946,874; Feb. 13.
- Nicholas, Herbert T., Sandusky, assignor to The Rotary Printing Company, Norwalk, Ohio. Paper feeding mechanism. 1,956,807; May 1.
- Nicholas, James S., Akron, Ohio. Game apparatus. 1,942,932; Jan. 9.
- Nicholas, Jean H., assignor to Jackson & Perkins Company, Newark, N. Y. Rose. Pl. Pt. 109; Oct. 23.
- Nicholides, Emmanuel C. (See Lieber, H. and Nicholides.)
- Nicholl, Leonard, Nyack, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Ester of polycarboxylic acids containing one or more alkoxy methylene groups and their production. 1,984,982; Dec. 18.
- Nicholl, Leonard, Nyack, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Solvent or plasticizer for compositions with cellulose derivatives. 1,984,983; Dec. 18.
- Nicholls, Henry M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Liquid dispenser. 1,970,573; Aug. 21.
- Nicholls, Walter L., Woodward, Ala. Cutting and shaving blade attachment for surgeons' forceps. 1,968,160; July 31.
- Nicholoy, Winford E., assignor to Scott-Viner Company, Columbus, Ohio. Blanching. 1,976,801; Oct. 16.
- Nichols, Charles R. (See Williston, S. H., and Nichols.)
- Nichols, Clifford R., West Liberty, Iowa. Manufacturing cementitious hollow body. 1,955,760; Apr. 24.
- Nichols Copper Company. (See Lucas, James H., assignor.)
- Nichols, Edwin H., Brooks Field, Tex., assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute apparatus. 1,944,801; Jan. 23.
- Nichols, Ernest H., Hagerstown, Md. Roofing granule. 1,944,800; Jan. 23.
- Nichols, Ernest H., Hagerstown, Md. Roofing granules and producing same. 1,954,778; Apr. 10.
- Nichols, Ernest H., Hagerstown, Md. Granular material. 1,970,471; Aug. 14.
- Nichols, Fred L., Minneapolis, Minn. Door operator. 1,941,574; Jan. 2.
- Nichols, Fred L., Minneapolis, Minn. Door operating mechanism. 1,984,692; Dec. 18.
- Nichols, George B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for and method of shaping tires and inserting air bags therein. 1,956,181; Apr. 24.
- Nichols, George H., Quincy, Mass., assignor to United Shoe Machinery Corporation. Manufacture of shoes. 1,975,474; Oct. 2.
- Nichols, Harold W. (See Butterfield, C., and Nichols.)
- Nichols, Harry T., Bridgeport, Conn. Roof covering. 1,972,028; Aug. 28.
- Nichols, Henry, New York, N. Y. Hose nozzle. 1,983,634; Dec. 11.
- Nichols, Henry J., Jr., Scotch Plains Township, Union County, and P. E. Kuhl, Elizabeth, N. J., assignors to Standard Oil Development Company. Oil absorption process. 1,976,802; Oct. 16.
- Nichols, Horace A., Beeville, Tex. Tie spacing bar. 1,957,147; May 1.
- Nichols, Horace E., assignor of one third to C. H. Chase and one third to H. A. Freund, Detroit, Mich. Constant speed mechanism. 1,950,809; Mar. 13.
- Nichols, Horace E., assignor of one-third to C. H. Chase and one-third to H. A. Freund, Detroit, Mich. Constant speed mechanism. 1,950,810; Mar. 13.
- Nichols, Jerry, Chicago, Ill. Flexible flashing lath. 1,956,909; May 1.
- Nichols, John M., Hempstead, N. Y. Binder. 1,979,900; Nov. 6.
- Nichols, John R. (See McKinley, H. T., Nichols, Bruns, and Ford.)
- Nichols, John T., Pittsburgh, Pa., assignor to American Sheet and Tin Plate Company. Sheet gauging machine. 1,963,310; June 19.
- Nichols, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transformer tank construction. 1,975,168; Oct. 2.
- Nichols, Orlo R., Leonardsville, N. Y. Drawing instrument. 1,979,047; Oct. 30.
- Nichols, Oscar A., Roselle Park, and H. R. Killian, Linden, N. J. Clothesline cleaner and preserver. 1,962,404; June 12.
- Nichols, William H., Buckinghamshire, assignor to W. T. Henley's Telegraph Works Company Limited, London, England. Housing for electrical connections. 1,974,364; Sept. 18.
- Nichols, William H., Waltham, Mass., and B. H. Dow, Baltimore, Md., assignors to May Oil Burner Corporation. Composite pulley. 1,952,884; Mar. 27.
- Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or article of similar nature. Des. 93,177; Aug. 28.
- Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or article of similar nature. Des. 93,178; Aug. 28.
- Nicholson, Carl M. (See Anderson, E., and Nicholson.)
- Nicholson, Carl M., New York, N. Y. Folding rule. 1,979,567; Nov. 6.
- Nicholson, Frank H. (See Bryan, H. W., and Nicholson.)
- Nicholson, George E., assignor to Vending Machine Corporation of America, Tulsa, Okla. Vending machine. 1,959,084; May 15.
- Nicholson, Gordon F. (See Preston, Maurice L., assignor.)
- Nicholson, Leslie G., St. Helena, Calif. Motor vehicle. 1,952,091; Mar. 27.
- Nicholson, Nicholas A., Johnstown, Pa. Motion picture apparatus. 1,946,875; Feb. 13.
- Nicholson, Nicholas A., Johnstown, Pa. Automobile jack. 1,946,984; Feb. 13.
- Nicholson, Stanley W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Window regulator. 1,945,821; Feb. 6.
- Nicholson, Stanley W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Window regulator. 1,961,507; June 5.
- Nicholson, Stanley W., Toledo, Ohio, assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Window regulator. 1,954,221; Apr. 10.
- Nicholson, William L., jr., Tulsa, Okla. Sales and billing machine. 1,945,655; Feb. 6.
- Nicholson, William L., jr., Tulsa, Okla. Bookkeeping machine. 1,963,445; June 19.
- Nicht, Alexander J., jr., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hoist sheave. 1,972,598; Sept. 4.
- Nieinski, Stanley, Newington, Conn. Show window display case. 1,959,300; May 15.
- Nickel, Albert P. H.-G., Charlottenburg, and J. J. Spanner, Berlin, Germany. Electrical gaseous discharge device. 1,936,830; July 17.
- Nickelsen, John, New York, N. Y., assignor to Warren Telechron Company. Clock case. Des. 92,551; June 19.
- Nickelsen, John, New York, N. Y., assignor to Warren Telechron Company. Combined clock case and dial. Des. 93,993; Dec. 4.
- Nickerson, Alma N., Plymouth, Mass. Machine for spreading and surfacing road material. 1,970,391; Aug. 14.
- Nickerson, Henry C., Pasadena, Calif. Traversing apparatus. 1,967,583; July 24.
- Nickerson, William H., Newton, Mass. Machine for making longitudinally curved reinforced shank stiffeners. 1,945,618; Feb. 6.
- Nickerson, William H., Newton Center Mass. Shoe shaft stiffener. 1,985,545; Dec. 25.
- Nickl, Josef, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany. Quick-firing pistol. 1,980,874; Nov. 13.
- Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Electrostatic machine. 1,947,220; Feb. 13.
- Nickler, Charles J., Hawthorne, N. J. Holding device for screens and the like. 1,955,648; Apr. 17.
- Nickles, Edward B., assignor to Manitowoc Shipbuilding Corporation, Manitowoc, Wis. Boom construction. 1,941,952; Jan. 2.
- Nickliss, Stephen N., Laureldale, Pa. Safety lever. 1,968,159; July 31.
- Nickowitz, Max N., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial leather. 1,967,967; July 24.

- Niclassen, Hans, Berlin, assignor to C. H. F. Muller Aktiengesellschaft, Hamburg, Germany. X-ray tube. 1,954,709; Apr. 10.
- Nicolai, Fritz. (See Münch, E., and Nicolai.)
- Nicolai, Otto K., Wallace, Idaho. Miner's pan. 1,948,797; Feb. 27.
- Nicolatos, Alexandros, New York, N. Y. Aeroplane. 1,945,289; Jan. 30.
- Nicoll, George and R., Leven, Scotland. Metal golf club head. Des. 92,266; May 15.
- Nicoll, George B., assignor to Tyer Rubber Company, Andover, Mass. Valve. 1,974,378; Sept. 18.
- Nicoll, Leonard G., Boston, Mass. Producing photographic reproductions in color. 1,972,311; Sept. 4.
- Nicoll, Robert. (See Nicoll, George and R.)
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Sound reproduction. Re19,051; Jan. 16.
- Nicolson, Alexander M., assignor to Communications Patents, Inc., New York, N. Y. Radio range finder. 1,945,952; Feb. 6.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Electrooptic control system. 1,951,523; Mar. 20.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Variable frequency multiplex system. 1,951,524; Mar. 20.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Linear voltage generator. 1,951,525; Mar. 20.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Pilot television system. 1,953,817; Apr. 3.
- Nicolson, Alexander M., assignor to Communications Patents, Inc., New York, N. Y. Multiple channel transmission control. 1,956,397; Apr. 24.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Piezo-electric crystal. 1,958,014; May 8.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Oscillation control apparatus. 1,962,207; June 12.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Photoelectric-vector analyzer. 1,962,208; June 12.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Diathermic oscillator system. 1,962,609; June 12.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Oscillator and plural channel transmission system. 1,962,610; June 12.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Electrical distribution system. 1,965,720; July 10.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Electrical repeater tube. 1,972,491; Sept. 4.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Elastic wave television system. 1,972,492; Sept. 4.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Gravity indicator. 1,975,516; Oct. 2.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Piezoelectric crystal converter-generator. 1,975,517; Oct. 2.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Aerial navigational signaling system. 1,977,198; Oct. 16.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Photo-oscillator-modulator system. 1,985,683; Dec. 25.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Panoramic television system. 1,985,684; Dec. 25.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Color television system. 1,985,685; Dec. 25.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Electrical repeater circuit. 1,985,686; Dec. 25.
- Nicosia, Vincent N., Houston, Tex. Hair waving or curling rod. 1,983,144; Dec. 4.
- Nidever, Wallace C., and E. Armbruster, Long Beach, Calif. Sampling liquids. 1,964,270; June 26.
- Niedecken, Edward F., Milwaukee, Wis. Mixing valve. 1,943,140; Jan. 9.
- Niedecken, Edward F., Milwaukee, Wis. Plumbing fixture. 1,960,278; May 29.
- Niederhofer, Johann, Munich, Germany. Electric device for cutting gypso-plastic dressings. 1,951,880; Mar. 20.
- Niedermann, Albert, Hongg, near Zurich, Switzerland. Compass for orientation. 1,944,104; Jan. 16.
- Niederreither, Hans. (See Lacher, L., and Niederreither.)
- Niederreither, Hans, Munich, Germany. Electrolyser and electric accumulator. 1,980,873; Nov. 13.
- Niedhammer, Charles. (See Ollinger, W. J., and Niedhammer.)
- Nielsen, Alfred. (See Heineke, H. B., and Nielsen.)
- Nielsen, Anton H. (See Davis, R. E., and Nielsen.)
- Nielsen, August V., Salt Lake City, Utah. Self-closing valve. 1,941,711; Jan. 2.
- Nielsen, Carl A. (See Morton, W. A., and Nielsen.)
- Nielsen, Earl M., Point Loma, Calif. Can. Des. 91,437; Jan. 30.
- Nielsen, Einar W., et al. (See Barfield, Andrew R., assignor.)
- Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Motor controller. 1,945,066; Jan. 30.
- Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Power unit. 1,948,540; Feb. 13.
- Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Fruit juice extractor drive mechanism. 1,954,258; Apr. 10.
- Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Coffee grinder attachment. 1,969,899; Aug. 14.
- Nielsen, Herman C., Howard City, assignor to National Wood Products Company, Detroit, Mich. Compo flooring, wall, etc. 1,952,509; Mar. 27.
- Nielsen, Inc. (See Gairing, Walter W., assignor.)
- Nielsen, Niels, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Grinding in tube mills and the like. 1,944,755; Jan. 23.
- Nielsen, William, assignor to McGill Manufacturing Company, Valparaiso, Ind. Grounding attachment for portable electric lamps. 1,976,362; Oct. 9.
- Nielson, Lester C. (See Dale, C. R., and Nielson.)
- Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Friction controlling apparatus. 1,975,473; Oct. 2.
- Niemann, Georg, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Disazo dyestuffs. 1,959,733; May 22.
- Nienhaus, Thomas J. (See Gustafson, Gustav A., assignor.)
- Nienhuser, John H., Greeley, Colo. Lock can cover. 1,965,854; July 10.
- Nier, Bruno, Beierfeld, Germany. Apparatus for coating objects with a liquid. 1,961,301; June 5.
- Nier, Bruno, Beierfeld, Germany. Hurricane lamp. 1,965,051; July 3.
- Nierlich, Fred M., assignor to Electric Specialty Co., Stamford, Conn. Electric motor. 1,957,551; May 8.
- Nies, John D., St. Charles, assignor to The Kimble Electric Co., Chicago, Ill. Automatic control for motors. 1,947,533; Feb. 20.
- Nies, John D., St. Charles, assignor to The Kimble Electric Co., Chicago, Ill. Electric brake for slip-ring motors. 1,949,727; Mar. 6.
- Nies, John D., St. Charles, assignor to Kimble Electric Company, Chicago, Ill. Control means for printing presses. 1,984,693; Dec. 18.
- Nies, William L. (See Walter, H. C., and Nies.)
- Niess and Company, Inc. (See Ritchie, John R., assignor.)
- Nigg Engineering Corp. (See Nigg, Gilbert W., assignor.)
- Nigg, Gilbert W., assignor to Nigg Engineering Corp., Covina, Calif. Orchard heater. 1,966,642; July 17.
- Nigh, George W., Middletown, Pa. Steam boiler. 1,974,283; Sept. 18.
- Nigro, Michel, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Machine for coiling metal strip. 1,981,566; Nov. 20.
- Nikoloff, Luben, Boston, Mass. Thread cutting die. 1,971,230; Aug. 21.
- Niles, R. B., Minneapolis, assignor to Marquette Manufacturing Company, Inc., St. Paul, Minn. Adjustable connector. 1,980,080; Nov. 6.
- Niles Steel Products Company, The. (See Thomas, David W., assignor.)
- Nilson, Lars G., Hoboken, N. J. Apparatus for casting metals. 1,972,945; Sept. 11.
- Nilson, Leonard D., Wayzata, Minn. Lifting jack with traveling pawl mechanism. 1,945,910; Feb. 6.
- Nilson, Leonard D., Wayzata, Minn. Lifting jack with traveling pinion mechanism. 1,972,573; Sept. 4.
- Nilson, Olof G., assignor to International Machine & Tool Works, Chicago, Ill. Ash tray and glass holder attachment for tables and other supports. 1,967,898; July 24.
- Nilsson, Richard, assignor to Aktiebolaget Lesto, Stockholm, Sweden. Shaft packing. 1,983,392; Dec. 4.
- Nimmer, Erick A., assignor to Chase Bag Co., Milwaukee, Wis. Presser foot. 1,959,138; May 15.
- Ninegar, Charles H., Bayard, Nebr. Beet-sampling apparatus. 1,956,874; May 1.
- Nineteen Hundred Corporation. (See Behan, Thomas W., assignor.)
- Nineteen Hundred Corporation. (See Keil, Gustav B., assignor.)
- Niogret, Fernand. (See Grangier, E. L., and Niogret.)
- Nisbet, Alexander R., Plainview, Tex. Mechanical cotton picker. 1,961,447; June 5.
- Nisbet, George W., Terre Haute, Ind. Combined advertising device and puzzle. 1,965,083; July 3.
- Nisbet, Theodore B., Irvington-on-Hudson, assignor to Edward T. Condon, New York, N. Y. Windshield support. Re19,044; Jan. 9.
- Nisbett, George H., assignor to British Insulated Cables Limited, Lancashire, England. Application of coverings to wires applicable to the insulation of electric conductors and to other purposes. 1,980,694; Nov. 13.
- Nishimoto, Shoichi, Los Angeles, Calif. Nether garment. 1,973,963; Sept. 18.
- Nishio, Torazo, Jamaica, N. Y. Toothbrush and the like. 1,972,691; Sept. 4.

- Nisson, Philip S., Brooklyn, N. Y., assignor to The Gray Processes Corporation, Newark, N. J. Refining apparatus. 1,948,126; Feb. 20.
- Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Compositions containing an alkyl salicylate and an alkali-metal stearate. 1,951,737; Mar. 20.
- Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Preparation of a stable hydroalcoholic extract of ergot. 1,969,382; Aug. 7.
- Nitka, John H., St. Louis, Mo. Fuel saver. 1,949,026; Feb. 27.
- Nitrallay Corporation, The. (See Hengstenberg, Friedrich W. O., assignor.)
- Nitrallay Corporation, The. (See Hengstenberg, Otto, assignor.)
- Nitricastiron Corporation. (See Babinet, Marie L. A., assignor.)
- "Nitroil". (See Hawley, John B., jr., assignor.)
- Nitromal Corporation, The. (See Homerberg, Victor O., assignor.)
- Nitsch, Otto A. (See Staub, E. E., and Nitsch.)
- Nitsche, Alfred, Chemnitz, Germany. Method for mercerizing cotton fibers. 1,980,498; Nov. 13.
- Nitzschke, Oswin, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing alkaline earth metal oxides. 1,947,952; Feb. 20.
- Niven, Alfred. (See Murphy, E. A., Niven, and Twiss.)
- Niven, Alfred. (See Murphy, E. A., Twiss, and Niven.)
- Niven, Archie M. (See Insley, R., and Niven.)
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,947,221; Feb. 13.
- Niven, Archie M., Detroit, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Internal combustion engine. 1,947,222; Feb. 13.
- Niven, Archie M., Detroit, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Internal combustion engine. 1,972,273; Sept. 4.
- Nivling, Walter A., Newton, Mass., assignor to The Automatic Appliance Company. Method and apparatus for measuring viscosity. 1,945,822; Feb. 6.
- Nix, Grady W., Clem, Ga. Seed planter and fertilizer distributor. 1,968,161; July 31.
- Nixon, Harry H. (See Knox, H. A., and Nixon.)
- Nixon, Jack C. (See Lamb, H. W., Nixon, and Hurburt.)
- Nixon, Jeddy D., Houston, Tex. Blow-out preventer. 1,960,592; May 29.
- Nixon, Jeddy D., Houston, Tex. Tubing drain. 1,972,408; Sept. 4.
- Nixon, Jeddy D., and T. S. Park, said Nixon, assignor to American Engineering Corporation, Houston, Tex. Tubing anchor. 1,941,813; Jan. 2.
- Nixon, John P. (See Clark, J. W., and Nixon.)
- Nixon, John B., Butler, Pa. Serving cocktails and the like. 1,984,030; Dec. 11.
- Nixon, Marjorie R., Pentress, Va. Lingerie pin. 1,949,974; Mar. 6.
- Nixon, Robert R., Chattanooga, Tenn. Culvert and protecting the same. 1,970,670; Aug. 21.
- Nixon, Thomas H. (See Knox, H. A., and Nixon.)
- Nixon, Valmer Osgoode, Ontario, Canada. Wire stripping tool. 1,957,722; May 8.
- Nixon, Winfred H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Apparatus for treating web material. 1,969,232; Aug. 7.
- Noack, Adolf, Berlin-Reinickendorf-Ost, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany. Water-gas generator. 1,951,990; Mar. 20.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Heating system. 1,948,535; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Heating system. 1,948,536; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Steam generator. 1,948,537; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Steam generator. 1,948,538; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Steam generator. 1,948,539; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Steam generator. 1,948,540; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Steam generator. 1,948,541; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Steam superheater. 1,948,939; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Steam generator. 1,948,940; Feb. 27.
- Noack, Walter G., assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Turbine rotor construction. 1,966,104; July 10.
- Nobbs, George H. (See Dodge, H. C., and Nobbs.)
- Noble, Alphonso, Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Measuring apparatus. 1,962,324; June 12.
- Noble, Aubrey E. (See Beck, L., and Noble.)
- Noble, Aubrey E., Lynbrook, assignor to Claude Neon Lights, Inc., New York, N. Y. Electric discharge device. 1,946,498; Feb. 13.
- Noble, Burton A. (See Henry, K. M., and Noble.)
- Noble & Cooley Co. (See Hiers, Ralph G. and R. H., assignors.)
- Noble, James F. (See McHenry, E. O., and Noble.)
- Noble, Leslie D., Detroit, assignor to Carrie E. Langell, St. Clair, Mich. Adjustable foot support. 1,944,608; Jan. 23.
- Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Bottle. Des. 92,364; May 29.
- Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. Des. 93,179; Aug. 28.
- Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. Des. 93,994; Dec. 4.
- Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. Des. 94,043; Dec. 11.
- Noble, Robert G., Chicago, Ill. Oil burner. 1,959,035; May 15.
- Noble, Thomas G. (See Clark, J. G., Masterman, and Noble.)
- Noble, Warren, Detroit, Mich., assignor to Electromaster, Inc. Conical electric burner. 1,975,970; Oct. 9.
- Noble, William H., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Multistage pump balancing means. 1,978,277; Oct. 23.
- Noble, William H., and C. Hollady, Houston, Tex. Canopy. 1,962,457; June 12.
- Noblitt, Quintin G., assignor to Noblitt-Sparks Industries, Inc., Indianapolis, Ind. Muffler. 1,972,065; Aug. 28.
- Noblitt, Quintin G., and E. C. Booth, Indianapolis, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Jack. 1,948,446; Feb. 20.
- Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
- Noblitt-Sparks Industries, Inc. (See Booth, E. C., and Peek, assignors.)
- Noblitt-Sparks Industries, Inc. (See Hamilton, Bertis F., assignor.)
- Noblitt-Sparks Industries, Inc. (See Noblitt, Quintin G., assignor.)
- Noblitt-Sparks Industries, Inc. (See Noblitt, Q. G., and Booth, assignors.)
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or article of analogous nature. Des. 92,106; Apr. 24.
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or article of analogous nature. Des. 93,180; Aug. 28.
- Nock, Joseph A., jr., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Alloy. 1,974,969; Sept. 25.
- Nock, Joseph A., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Alloy. 1,974,970; Sept. 25.
- Nock, Joseph A., jr., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Metal transfer device. 1,983,580; Dec. 11.
- Nocken, Theodor. (See Neelmeier, W., Nocken, and Friedrich.)
- Noe, Harold C., East Orange, N. J., assignor to William R. Noe & Sons, Inc., Brooklyn, N. Y. Lamp shade. Des. 92,622; June 26.
- Noe, William R., & Sons, Inc. (See Noe, Harold C., assignor.)
- Noebel, Ernst, Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Filling an absorber-generator. 1,972,426; Sept. 4.
- Noelting, William H. (See Brokaw, E. A., Noelting, and Roettger.)
- Noesting Pin Ticket Co. Inc. (See Lankenau, Henry G., assignor.)
- Noeth, John J., and F. E. Hummel, Chicago, Ill. Time controlled mechanism. 1,954,022; Apr. 10.
- Nofrango Limited. (See Waller, James H. de W., assignor.)
- Noftzger, Charles F., Chicago, Ill. Making bearings and bearing materials. 1,983,184; Dec. 4.
- Nogamy, Yaeji, Nagoya, Japan. Adjusting device of warp tension in automatic looms. 1,971,694; Aug. 28.
- Nohel, Max. (See Kacer, B., and Nohel.)
- Noiroi, Jean, Paris, France. Medical gas producer employing a heated liquid. 1,944,140; Jan. 16.
- Nolan, Elizabeth M., Teaneck, N. J. Hermetically sealed container. 1,970,970; Aug. 21.
- Nolan, Frederick, Wichita, Kans. Water wheel or motor. 1,945,373; Jan. 30.
- Nolan, Humphrey, New York, N. Y., assignor to Fyr-Slyd-Screen, Inc. Fireplace construction. 1,956,246; Apr. 24.
- Nolan, John R., New York, N. Y. Mechanism for applying reinforcing wire to clothespins. 1,943,452; Jan. 16.
- Nolan, Thaddeus A., Cincinnati, Ohio. Reflector. 1,970,671; Aug. 21.
- Nold, William B., Chicago, Ill. Engine mounting. 1,947,489; Feb. 20.
- Nolde and Horst Company, The. (See McAdams, Harry, assignor.)
- Nölke, Otto, Dresden-Mickten, assignor to Koch & Sterzel, A. G., Dresden, Germany. Method of and apparatus for testing instrument transformers. 1,972,243; Sept. 4.
- Noll, Frank A., sr., Pittsburgh, Pa. Booth. 1,983,559; Dec. 11.

- Noll, Ross N., Philadelphia, Pa., assignor of one-fourth to M. A. Sciuolo, Vineland, N. J. Process of and apparatus for separating coal from coal culm. 1,963,861; June 19.
- Noll, Theobald H., Bronx, N. Y. Electrically operated steam generator for individual heating units. 1,950,511; Mar. 13.
- Nollau, Edgar H. (See Morrison, M. H., and Nollau.)
- Nollau, Edgar H., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fire-proof screen for projected images. 1,955,888; Apr. 24.
- Nolte, Albert C. (See Filipowicz, John, assignor.)
- Nolte, Henry J., Schenectady, N. Y., assignor to General Electric Company. Exhaust and apparatus therefor. 1,981,523; Nov. 20.
- Nolte, Henry J., and E. D. McArthur, Schenectady, N. Y., assignors to General Electric Company. Electric discharge apparatus. 1,981,524; Nov. 20.
- Nolte, John J., Los Angeles, Calif. Producing frozen delicacies and container therefor. 1,947,872; Feb. 20.
- Nolte, George F., assignor to Superior Engine Company, Inc., Springfield, Ohio. Fuel supply system. 1,952,510; Mar. 27.
- Noma Electric Corporation. (See Propp, Louis, assignor.)
- Noma Electric Corporation. (See Sadacca, Albert, assignor.)
- Noma Electric Corporation. (See Szel, Louis, assignor.)
- No-Nail Cases Proprietary Limited. (See Kamper, Andrew M., assignor.)
- No-Nail Cases Proprietary Limited. (See Kruse, Hermann H. J., assignor.)
- Nones, Alexandre, Baldwin, assignor to H. J. Irvine, New York, N. Y. Packaged bottle. 1,965,353; July 3.
- Non-Metallic Minerals, Inc. (See McCaughey, W. J., and Lee, assignors.)
- Noodleman, Jacob. (See Bonaccolta, L., and Noodleman.)
- Nook, Lawrence J. (See Ross, D. H., and Nook.)
- Noonan, Edmund L., Dorchester, Mass., assignor to Curtiss Aeroplane & Motor Company, Inc. Combination fuel valve and tank release. 1,976,456; Oct. 9.
- Noonan, Harry, White Plains, assignor to The Drug Products Co., Inc., Long Island City, N. Y. Carron oil compound chlorinated cream. 1,947,568; Feb. 20.
- Noonan, James A., Lowell, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Housing for driers and similar machines. Des. 92,623; June 26.
- Noonan, James A., Lowell, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Conveying apron. 1,974,120; Sept. 18.
- Norberg, G. E. (See Nelson, Nels H., assignor.)
- Norberg Manufacturing Company. (See Talboys, Henry H., assignor.)
- Norbom, Einar B., Butler, Pa., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,979,761; Nov. 6.
- Norbom, Ragnar A., assignor to The Cincinnati Car Corporation, Cincinnati, Ohio. Truck assembly. 1,961,010; May 29.
- Norcross, William J., Syracuse, N. Y. Crate. 1,978,955; Oct. 30.
- Nord, Benjamin, Bayside, assignor to Whitney Metal Products Corp., New York, N. Y. Trough bead attaching hook. 1,962,785; June 12.
- Nord, Evar A., assignor to R. A. Peterson, Chicago, Ill. Mattress. 1,978,956; Oct. 30.
- Nord, Fred, South Range, Wis. Animal trap. 1,974,289; Sept. 18.
- Nord, Gustav J., Gastonia, N. C. Rayon fiber and treating the same. 1,945,330; Jan. 30.
- Nord, Johan G. (See Karlstrom, F. J. R., and Nord.)
- Nordan, Monte E., St. Louis, Mo. Wall protector for stoves. 1,970,054; Aug. 14.
- Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Diesel engine. 1,949,577; Mar. 6.
- Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Diesel engine. 1,962,282; June 12.
- Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Diesel engine. 1,962,283; June 12.
- Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Diesel engine. 1,967,163; July 31.
- Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Hoisting machinery. 1,970,055; Aug. 14.
- Nordberg Manufacturing Co. (See Newton, Harry W., assignor.)
- Nordberg Manufacturing Co. (See Newton, H. W., and Butler, assignors.)
- Nordberg Manufacturing Company. (See Nordberg, Bruno V. E., assignor.)
- Nordberg Manufacturing Company. (See Symons, Edgar B., assignor.)
- Nordberg Manufacturing Co. (See Talboys, Henry H., assignor.)
- Nordberg Manufacturing Company. (See Wintzer, Rudolf, assignor.)
- Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Glass-to-metal thermal joint. 1,964,329; June 26.
- Nordby, Julius E., and L. Helland, Moscow, Idaho. Egg beater. 1,968,502; July 31.
- Norddeutsche Affinerie. (See Schopper, Walter, assignor.)
- Nordell, Carl H., Chicago, Ill. Screen. 1,948,125; Feb. 20.
- Nordell, Carl H., Chicago, Ill. System for handling sewage. 1,982,266; Nov. 27.
- Norden, Folke F. (See Conforti, C. M., and Norden.)
- Nordendale, Harry W. (See Snell, James C., assignor.)
- Nordenson, Arnold J., assignor to Mahr Manufacturing Company, Minneapolis, Minn. Forging furnace. 1,942,515; Jan. 9.
- Nordhem, Eric N., Chicago, Ill. High tension cut-out. 1,969,575; Aug. 7.
- Nordin, Arvid, Cranford Township, Union County, N. J., assignor to M. H. Treadwell, Inc., New York, N. Y. Dam. 1,951,704; Mar. 20.
- Nordlinger, Stephen L., Hawthorne, N. Y., assignor to Conti Products Corp. Bottle. Des. 91,784; Mar. 20.
- Nordmeyer, Gerald J., Fort Wayne, Ind., assignor to The Koppers Company of Delaware. Manufacturing carbureted water gas. 1,949,728; Mar. 6.
- Nordmeyer, Gerald J., Nutley, N. J., assignor to The Koppers Company of Delaware. Coke and gas manufacture. 1,973,909; Sept. 18.
- Nordmeyer, Gerald J., and T. W. Stone, Fort Wayne, Ind., assignors to The Koppers Company of Delaware and to The Western Gas Construction Company. Making carbureted water gas. 1,947,792; Feb. 20.
- Nordquist, Anton G. E., Denver, Colo. Static eliminator and ink drier for printing presses. 1,944,946; Jan. 30.
- Nordquist, Anton G. E., Denver, Colo. Automatic valve control. 1,949,873; Mar. 6.
- Nordstrom, Gustaf E., assignor to American Fibre Corporation, Gardner, Mass. Machine for making flat fibre reed. 1,962,257; June 12.
- Nordstrom, Hulda. (See Hill, Roscoe G., assignor.)
- Nordstrom, Otto, Sundsvall, Sweden. Recovering chemical compounds from the gases of the soda melting furnaces in the production of sulphate cellulose. 1,963,862; June 19.
- Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. Des. 92,487; June 12.
- Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. Des. 92,488; June 12.
- Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. Des. 92,489; June 12.
- Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. Des. 94,044; Dec. 11.
- Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. Des. 94,045; Dec. 11.
- Nordstrom, Sven J., Piedmont, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,944,995; Jan. 30.
- Norelius, Carl E. (See Davis, W. F., and Norelius.)
- Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Lubricating system. 1,959,060; May 15.
- Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transmission mechanism. 1,968,419; July 31.
- Norem, Bernhard, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 1,977,690; Oct. 23.
- Norge Corporation. (See Blood, Howard E., assignor.)
- Norge Corporation. (See Blood, H. E., and Brandel, assignors.)
- Norge Corporation. (See Darbyshire, Leonard H., assignor.)
- Norge Corporation. (See Keilholtz, Lester S., assignor.)
- Norge Corporation. (See Knapp, John H., assignor.)
- Norgren, Carl A., Denver, Colo. Hose coupling. 1,977,917; Oct. 23.
- Norin, Allan A., assignor to Norin Engineering Co., Chicago, Ill. Mechanical riveting machine. 1,953,719; Apr. 3.
- Norin Engineering Co. (See Norin, Allan A., assignor.)
- Norket, Joram E. (See Grier, G. W., and Norket.)
- Norland, Clarence, Cypress, Calif. Lawn sprinkler. 1,950,512; Mar. 13.
- Norley, Harry C., North Bay, Ontario, assignor to Canadian Atlas Steels Limited, Welland, Ontario, Canada. Drill. 1,974,540; Sept. 25.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Balancer. 1,943,453; Jan. 16.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Switch and operating mechanism therefor. 1,951,033; Mar. 13.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Balancer. 1,968,536; July 31.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Counter-balance and loading and unloading device therefor. 1,971,498; Aug. 28.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Pneumatic rotary motor. 1,977,691; Oct. 23.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Balancer. 1,977,692; Oct. 23.
- Norma-Hoffman Bearings Corporation. (See Ege, Gustav, assignor.)

- Norman Confections, Inc. (See Snodgrass, Edward N., assignor.)
- Norman, Earl E., Kalamazoo, Mich. Valve operating mechanism. 1,979,340; Nov. 6.
- Norman, Ephraim O., Talladega, Ala., assignor to Alabama Pipe Company. Pipe. 1,958,835; May 15.
- Norman, Ephraim O., Talladega, Ala., assignor to Alabama Pipe Company. Molding process. 1,976,626; Oct. 9.
- Norman, Irene W., New York, N. Y. Mounting for jewels or similar articles. Des. 91,328; Jan. 9.
- Norman, Melbourne G. (See McMurray, H. G., and Norman.)
- Norman, William F., Nevada, Mo. Greenhouse equipment. 1,983,806; Dec. 11.
- Norman, William F., Nevada, Mo. Marker for grave sites. 1,983,807; Dec. 11.
- Normelli, Wulf B., Schiltigheim, France. Refrigerating system. 1,972,427; Sept. 4.
- Normelli, Wulf B., Berlin-Charlottenburg, Germany. Control device for a heat transfer system. 1,974,121; Sept. 18.
- Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Welding apparatus. 1,972,029; Aug. 28.
- Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Coal stoker. 1,979,118; Oct. 30.
- Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Filter screen. 1,982,924; Dec. 4.
- Norquist, Victor C., and E. E. Treanor, assignors to Butler Manufacturing Company, Kansas City, Mo. Clarifying system for dry cleaning solvents. 1,947,873; Feb. 20.
- Norquist, Victor C., and E. E. Treanor, assignors to Butler Manufacturing Company, Kansas City, Mo. Filter. 1,976,408; Oct. 9.
- Norrbin, Axel B. O., Strangnas, Sweden. Concentrating the water-soluble vitamin content of a water-soluble vitamin-containing material. 1,975,169; Oct. 2.
- Norris, Andrew M., et al. (See Norris, David L., sr., assignor.)
- Norris, Chester C., Atlanta, Ga. Pair of spectacles. Des. 93,283; Sept. 11.
- Norris, David L., jr., et al. (See Norris, David L., sr., assignor.)
- Norris, David L., sr., assignor of one-fourth to D. L. Norris, jr., R. M. Norris, A. M. Norris and A. Chambers, Greenville, S. C. Automatically threading loom shuttle. 1,944,802; Jan. 23.
- Norris, Harry A. (See Gilman, H. J., and Mueller, assignors.)
- Norris, James F. (See Jenkins, R. L., and Norris.)
- Norris, Kenneth T., and H. E. Rathbun, Los Angeles, Calif.; said Rathbun assignor to said Norris. Umbrella structure. 1,970,813; Aug. 21.
- Norris, Nelson H., Bath, N. Y. Article separating and grading apparatus. 1,942,117; Jan. 2.
- Norris, Ralph F., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Ventilator. 1,967,838; July 24.
- Norris, Robert J. (See Sperti, G., Norris, Withrow, and Schneider.)
- Norris, Robert McK., et al. (See Norris, David L., sr., assignor.)
- Norris, W. C. (See Colgin, Rufus A., assignor.)
- Norris, William A., Alhambra, Calif. Cigarette making machine. 1,949,654; Mar. 6.
- Norris, William F., Clarinda, Iowa. Culvert pipe. 1,953,006; Mar. 27.
- Norsk-Hydro-Elektrisk Kvaestofaktieselskab. (See Foss, Antonius, assignor.)
- Norsk Hydro-Elektrisk Kvaestof Aktieselskab. (See Stephansen, N., Eyer, and Meder, assignors.)
- North Bro's Mfg Co. (See Fegley, Thomas J., assignor.)
- North Bro's Mfg Co. (See Fegley, T. J., and Leopold, assignors.)
- North, Charles E., Montclair, N. J., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Milk pasteurizing apparatus. 1,973,772; Sept. 18.
- North, Edwin W., assignor to National Lock Co., Rockford, Ill. Furniture glide. 1,954,458; Apr. 10.
- North Electric Manufacturing Company, The. (See Boswan, Hans P., assignor.)
- North, Francis C., assignor of one-third to F. Erro and one-third to T. Morrienes, Stockton, Calif. Fire and burglar alarm. 1,962,519; June 12.
- North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
- North, Oliver D., and P. G. Hugh, assignors to Scammell Lorries Limited, London, England. Brake for motor road vehicles. 1,972,353; Sept. 4.
- North, Oliver D., and P. G. Hugh, assignors to Scammell Lorries Limited, London, England. Mounting for the steering road wheel or wheels of motor vehicles. 1,972,354; Sept. 4.
- North, Stanley C., assignor of one-third to S. H. Keeling and one-third to D. H. Keeling, Syracuse, N. Y. Over-running clutch construction. 1,984,490; Dec. 18.
- North, William C., Sebring, Fla. Container structure. 1,980,545; Nov. 13.
- North American Car Corporation. (See Donovan, Henry, assignor.)
- North American Car Corporation. (See Edgerton, Israel V., assignor.)
- North American Car Corporation. (See Schott, Gustave, assignor.)
- North American Chemical Company. (See Avery, Alfred H., assignor.)
- North American Chemical Company. (See Thoma, Andrew, assignor.)
- North American Electric Lamp Company. (See Lander, Louis, assignor.)
- North American Holding Corporation. (See Johnston, James W., assignor.)
- North American Lace Company. (See Gentner, Frederick, assignor.)
- North American Lace Company. (See Lafferty, Jay C., jr., assignor.)
- North American Lace Company Incorporated. (See Gentner, Frederick, assignor.)
- North American Rayon Corporation. (See Beplate, Viktor, assignor.)
- North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
- North American Rayon Corporation. (See Brauer, Erich, assignor.)
- North American Rayon Corporation. (See Byron, Thomas H., assignor.)
- North American Rayon Corporation. (See Carter, Ralph H., assignor.)
- North American Rayon Corporation. (See Elssner, Richard, assignor.)
- North American Rayon Corporation. (See Etzkorn, Rudolf, assignor.)
- North American Rayon Corporation. (See Gollong, Richard, assignor.)
- North American Rayon Corporation. (See Lambeck, Johannes, assignor.)
- North American Rayon Corporation. (See Powers, R. J., and Baumert, assignors.)
- North American Rayon Corporation. (See Rathgeber, F., Schulz, Beplate, and Ruesch, assignors.)
- North American Rayon Corporation. (See Schmidt, Kurt, assignor.)
- North American Rayon Corporation. (See Stückly, J. J., and Brötz, assignors.)
- North American Rayon Corporation. (See Stoeckly, J. J., and Brötz, assignors.)
- North American Rayon Corporation. (See Wachendorf, Ernst, assignor.)
- North American Rayon Corporation. (See Witte, Kurt, assignor.)
- North American Refractories Company. (See Wall, Verne S., and C. M., assignors.)
- Northart, Carl F. (See Hoffman, R. M., and Northart.)
- Northcutt, Robert T. (See Johnston, A. L., jr., and Northcutt.)
- Northcutt, Robert T., Cranford, and A. L. Johnston, Jr., Plainfield, N. J., assignors, by mesne assignments, to Food Concentrates, Inc., New York, N. Y. Drying carbohydrate material rich in hygroscopic substances. 1,959,301; May 15.
- North East Appliance Corporation. (See Lee, Thomas L., assignor.)
- North East Appliance Corporation. (See Parker, Linus J., assignor.)
- North East Appliance Corporation. (See Sullivan, Raymond H., assignor.)
- Northen, E. C. (See Day, Richard L., assignor.)
- Northern Equipment Company. (See Hunter, W. L., and Weining, assignors.)
- Northern Equipment Company. (See Hunter, W. L., and Whitley, assignors.)
- Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
- Northern Indiana Brass Company. (See Arbogast, A. C., and Martin, assignors.)
- Northern Maine Plywood Company. (See Quimby, Allen, assignor.)
- Northern Maine Plywood Company. (See Quimby, A., and Antworth, assignors.)
- Northern Malleable Iron Company. (See Cummins, Thomas K., assignor.)
- Northern Malleable Iron Company. (See Cummins, T. K., and Emry, assignors.)
- Northern Paper Mills. (See Sherman, Harold W., assignor.)
- Northern States Mfg. Co. (See Wilkie, J. C., and McLean, assignors.)
- Northey, Rodney V., Toronto, Ontario, Canada. Sound producing apparatus. 1,979,048; Oct. 30.
- Northman, Edith M., assignor to Union Oil Company of California, Los Angeles, Calif. Service station. Des. 93,883; Nov. 20.
- Northman, Edith M., assignor to Union Oil Company of California, Los Angeles, Calif. Service station. Des. 93,884; Nov. 20.
- Northrop, Jonas, assignor to Draper Corporation, Hopedale, Mass. Filling parting means for looms. 1,971,231; Aug. 21.
- Northrup, Dennis E., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacturing molded articles. 1,976,363; Oct. 9.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,943,802; Jan. 16.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Heat treating method. 1,946,876; Feb. 13.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,951,881; Mar. 20.

- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,961,621; June 5.
- Northrup, Edwin F., Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Heating apparatus. 1,977,399; Oct. 16.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Electric induction furnace. 1,980,875; Nov. 13.
- Northrup, Edwin F., Princeton, N. J., assignor to Ajax Electrothermic Corporation. Method and apparatus for inductive heating. 1,981,629; Nov. 20.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Heating travelling stock. 1,981,630; Nov. 20.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Electric induction furnace. 1,981,631; Nov. 20.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Heating apparatus. 1,981,632; Nov. 20.
- Northrup, Homer M., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Lubricating system for internal combustion engines. 1,959,687; May 22.
- Northup, Amos E., Pleasant Ridge, assignor to The Murray Corporation of America, Detroit, Mich. Automobile body. Des. Re19,052; Jan. 16.
- Northup, Amos E., Pleasant Ridge, assignor to The Murray Corporation of America, Detroit, Mich. Automobile body. Des. 91,410; Jan. 23.
- Northup, Harry R., Des Moines, Iowa. Ironing board. 1,947,613; Feb. 20.
- Northup, John C., Atlanta, Ga. Automobile. Des. 93,995; Dec. 4.
- Northwest Lead Co. (See McDonald, John A., assignor.)
- Northwest Paper Company, The. (See Johnson, Thomas G., assignor.)
- Northwest Paper Company, The. (See Textor, Clinton K., assignor.)
- Northwestern Barb Wire Company. (See Bradley, Albert F., assignor.)
- Northwestern Corporation. (See Bolen, Emerson A., assignor.)
- Northwestern Metalware Co. (See Lunn, Alvin, assignor.)
- Norton, Albert C., Berkeley, assignor to California Corrugated Culvert Co., Alameda, Calif. Sheet metal fume trough. 1,982,064; Nov. 27.
- Norton, Arthur J., and L. Sontag, assignors to General Plastics, Inc., North Tonawanda, N. Y. Artificial resin. 1,985,870; Dec. 25.
- Norton, Bertram, Sandford Hall, Claverley, England. Method of and apparatus for treating coal slurry. 1,948,184; Feb. 20.
- Norton, Bertram, Claverley, England. Coal washer box. 1,960,163; May 22.
- Norton, Charles E., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Adjustable repair clamp for bell and spigot joints. 1,951,034; Mar. 13.
- Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Lathe for rapidly finishing a rotary work surface. 1,949,512; Mar. 6.
- Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Turning and grinding round work surfaces. 1,949,515; Mar. 6.
- Norton, Charles H., Plainville, Conn., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Car wheel grinding machine. 1,948,866; Feb. 27.
- Norton, Charles L., Boston, Mass., assignor to Babcock & Wilcox Company, Bayonne, N. J. Surfacing refractory articles and the product thereof. 1,964,743; July 3.
- Norton, Charles L., Boston, Mass., and R. Richardson and W. S. Bateman, jr., East Liverpool, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Low thermal conductivity building unit and making the same. 1,968,052; July 31.
- Norton, Charles W. (See Coxhead, R. C., and Norton.)
- Norton, Clifford, South Orange, N. J., assignor, by mesne assignments, to Otis Elevator Company. Elevator door operator. 1,961,938; June 5.
- Norton, Clifford, and B. W. Tucker, jr., South Orange, N. J., assignors to Otis Elevator Company, New York, N. Y. Elevator door mechanism. 1,950,150; Mar. 6.
- Norton, Clifford, South Orange, N. J., and P. Carmel, New York, N. Y., assignors to Otis Elevator Company. Elevator signaling apparatus. 1,955,358; Apr. 17.
- Norton Company. (See Belden, A. G., and Trefethen, assignors.)
- Norton Company. (See Beth, Hugo W. H., assignor.)
- Norton Company. (See Dunbar, Howard D., assignor.)
- Norton Company. (See Dunbar, Howard W., assignor.)
- Norton Company. (See Dunbar, H. W., and Flygare, assignors.)
- Norton Company. (See Dunbar, H. W., and Whittles, assignors.)
- Norton Company. (See Elstube, Francis W., assignor.)
- Norton Company. (See Flygare, Carl G., assignor.)
- Norton Company. (See Fraser, Warren F., assignor.)
- Norton Company. (See Howe, W. L., and Martin, assignors.)
- Norton Company. (See Larsson, Thure, assignor.)
- Norton Company. (See Norton, Charles H., assignor.)
- Norton Company. (See Norton, C. H., and Flygare, assignors.)
- Norton Company. (See Ridgway, Raymond R., assignor.)
- Norton Company. (See Sanford, Baalis, assignor.)
- Norton Company. (See Silven, Herbert A., assignor.)
- Norton Company. (See Stubbs, Everard, assignor.)
- Norton Company. (See Van der Pyl, Edward, assignor.)
- Norton Company. (See Webster, Duane E., assignor.)
- Norton Company. (See Whittles, Joseph R., assignor.)
- Norton Company. (See Wood, Wallace H., assignor.)
- Norton Door Closer Co., Division of Yale & Towne Mfg. Co. (See Heverly, Earl L., assignor.)
- Norton, Edward L., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 1,954,943; Apr. 17.
- Norton, Harry R., New York, N. Y., assignor, by mesne assignments, to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator dispatching system. 1,973,096; Sept. 11.
- Norton, Jesse A., Miami, Fla. Wind motor. 1,963,863; June 19.
- Norton, John S., San Francisco, Calif. Fishing reel. 1,955,973; Apr. 24.
- Norton, John W. (See Bowden, J. G., and Norton.)
- Norton, Karl B., Manchester, Mass., assignor to Frosted Foods Company, Inc., Dover Del. Refrigeration. 1,983,768; Dec. 11.
- Norton Laboratories. (See Whitlock, Carl H., assignor.)
- Norton-Lasler Company. (See Norton, Lewis C., assignor.)
- Norton, Lewis C., Los Angeles, Calif., assignor to Norton-Lasler Company, Chicago, Ill. Door closing and checking device. 1,949,753; Mar. 6.
- Norton Pike Company. (See Irwin, William J., assignor.)
- Norton, Ralph B. (See Dana, A. S., and Norton.)
- Norton, Ralph B., assignor to The Kerite Insulated Wire & Cable Company, Incorporated, Seymour, Conn. Insulated electrical conductor and making the same. 1,968,903; Aug. 7.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake operator. 1,943,836; Jan. 16.
- Norton, Raymond J., Washington, D. C., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Electrical dynamometer. 1,946,099; Feb. 6.
- Norton, Raymond J., Washington, D. C., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Electrical dynamometer. 1,946,100; Feb. 6.
- Norton, Raymond J., Washington, D. C., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Brake testing structure. 1,946,101; Feb. 6.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake rotor. 1,946,102; Feb. 6.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake drum. 1,946,103; Feb. 6.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,949,176; Feb. 27.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe structure. 1,950,262; Mar. 6.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,954,534; Apr. 10.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake temperature indicator. 1,957,051; May 1.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake drum. 1,966,130; July 10.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Friction facings. 1,971,618; Aug. 28.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake member. 1,972,235; Sept. 4.
- Norton, Raymond J., Washington, D. C., assignor to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Brake testing structure. 1,955,515; Dec. 25.
- Norton, Samuel H., Meadville, assignor to Hookless Fastener Company. Automatic slider moving device. 1,980,955; Nov. 13.
- Norton, Samuel H., and P. Nedal, assignors to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,966,457; July 17.
- Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Protecting device. 1,945,561; Feb. 6.
- Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Lock switch. 1,945,562; Feb. 6.
- Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Control device and making same. 1,953,188; Apr. 3.
- Norviel, Harry E., deceased, Anderson, Ind., Anderson Banking Company, executor, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric switch. 1,981,064; Nov. 20.
- Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric switch. 1,981,966; Nov. 27.
- Norviel, Scott L., Phoenix, Ariz. Shaving device. 1,954,259; Apr. 10.

- Norwine, Andrew C., Passaic, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice operated circuit. 1,961,381; June 5.
- Norwine, Andrew C., Passaic, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control circuits. 1,970,334; Aug. 14.
- Norwood, Donald W., U. S. Army, March Field, Calif. Automatic regeneration control for vacuum tube circuits. 1,946,499; Feb. 13.
- Norwood, Harry G., New York, N. Y. Railway rail anchor. 1,954,710; Apr. 10.
- Norwood, Harry G., New York, assignor to A. M. Percival, Long Island City, N. Y. Expansion bolt. 1,971,726; Aug. 28.
- Norwood, Harry Y., Rush, and E. E. Newell, assignors to Taylor Instrument Companies, Rochester, N. Y. Hygrometer. 1,982,752; Dec. 4.
- Nosan, Anton, Cleveland, Ohio. Saw tooth cutting and sharpening machine. 1,970,864; Aug. 21.
- Nosarzewski, Wacław, Chicago, Ill. Electric steam generator. 1,985,546; Dec. 25.
- Nose, Toichi, Kamakura Machi, Kamakura Gun, Kanagawa Ken, Japan. Apparatus for construction of concrete culverts. 1,964,386; June 26.
- Notes, Bernard, Washington, D. C. Breast supporter. 1,948,076; Feb. 20.
- Nothnagel, Walter, Ruhla, Germany, assignor to M. Vogel A. G., Frankfurt-on-the-Main, Germany. Holder for loose-leaf binders and the like. 1,975,971; Oct. 9.
- Nothstine, Elmer D., Pettus, Tex. Well pumping apparatus. 1,978,595; Oct. 30.
- Nottage, Stanley G. (See Krapf, H. C. Kerr and Nottage.)
- Nottebaum, Ralph, Short Hills, N. J. Bottle or similar article. Des. 93,356; Sept. 18.
- Notter, Harry L., Chicago, Ill. Valve operating device. 1,984,198; Dec. 11.
- Nottingham, Ulysses H., Bearcreek, Mont. Machine for working fine gold. 1,961,428; June 5.
- Nottingham, William L., Capeville, Va. Tennis court marker. 1,985,191; Dec. 18.
- Nottoll, Victor A., Chicago, Ill. Spring suspension for vehicle wheels. 1,984,694; Dec. 18.
- Nourse, Walter H., and P. A. Wickes, assignors to Electric Steel Foundry Company, Portland, Oreg. Skidding arch. 1,945,976; Feb. 6.
- Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Liquid saturating or coating material and making same. 1,952,725; Mar. 27.
- Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Making sizing material. 1,958,202; May 8.
- Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Saturating fibrous stock. 1,966,458; July 17.
- Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Waterproof asbestos sheet and producing same. 1,967,062; July 17.
- Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Making asbestos board. 1,971,162; Aug. 21.
- Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Friction element and improving the same. 1,971,163; Aug. 21.
- Novak, John L., assignor to Acme Line Manufacturing Company, Traverse City, Mich. Filling top for sprayer tanks. 1,983,185; Dec. 4.
- Novak, Josef, and R. Kesselring, Novy Bohumin, Czechoslovakia. Ledeburitic preliminary iron alloy free from graphite. 1,947,656; Feb. 20.
- Novambère, Bernard, New York, N. Y. Structural section. 1,978,473; Oct. 30.
- Novat, Lee, Fort Smith, Ark. Safety pin. 1,983,186; Dec. 4.
- Novelty Manufacturing Co. (See Post, Otto, assignor.)
- Novick, Abraham. (See Young, M. S., and Novick.)
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Tool Co., Inc., New York, N. Y. Method and machine for making envelopes of the open-end type. 1,943,985; Jan. 16.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Gunning mechanism for envelope machines. 1,961,162; June 5.
- Novoa, Antonio E. (See Triana, Juan F., assignor.)
- Novopan Studiengesellschaft Zur Herstellung besseren und billigeren Brotes m. b. H. (See Schaul, Martin, assignor.)
- Novotney, Thomas A., and L. N. Hunter, Johnstown, Pa., assignors, by mesne assignments, to National Radiator Corporation. Treatment of emulsions. 1,968,614; July 31.
- Novotny, Anton, assignor to Detroit Gray Iron Foundry Company, Detroit, Mich. Cooler. 1,962,997; June 12.
- Novotny, Anton, assignor to Detroit Gray Iron Foundry Company, Detroit, Mich. Container. 1,969,413; Aug. 7.
- Novotny, Charles W., Cicero, Ill., assignor of one-half to J. Manak. Gas saver and decarbonizer. 1,964,892; July 3.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Pa. Phenolic condensation product and making the same. 1,984,423; Dec. 18.
- Novotny, Emil E., and W. W. Johnson, Philadelphia, assignors to J. S. Stokes, Huntingdon Valley, Pa. Urea-aldehyde plasticized resin and making the same. 1,951,526; Mar. 20.
- Nowack, Leopold, Pforzheim, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Manufacture of alloys of precious metals which are amenable to heat treatment. 1,946,231; Feb. 6.
- Nowalk, Robert F. (See Watson, J. W., and Nowalk.)
- Nowicki, Martin. (See Kuppenbender, H., and Nowicki.)
- Nowicki, Martin. (See Kuppenbender, H., Nowicki, Goldberg, and Mende.)
- Nowicki, Martin, and E. Böttger, Dresden, Germany. Distance meter, especially for photographic cameras. 1,968,002; July 24.
- Nown, Horace V., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,953,635; Dec. 11.
- Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 1,943,739; Jan. 16.
- Nowosielski, Edward B., Bloomfield, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Spark plug. 1,959,883; May 22.
- Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Ignition device. 1,962,968; June 12.
- Nowosielski, Edward B., Bloomfield, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 1,963,714; June 19.
- Nowosielski, Edward B., Bloomfield, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Ignition mechanism. 1,965,534; July 3.
- Nowosielski, Edward B., Bloomfield, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Driving mechanism. 1,974,216; Sept. 18.
- Noxon, Charles P. L. and M. P. L., Syracuse, N. Y. Ignition spark timer and controller for internal combustion engines. 1,964,132; June 26.
- Noxon, Mills P. L. (See Noxon, Charles P. L. and M. P. L.)
- Noxon, Paul A., Jackson Heights, assignor to The Western Union Telegraph Company, New York, N. Y. High speed telegraph system. 1,966,354; July 10.
- Noyack, Edward, Seymour, assignor to Bridgeport Brass Company, Bridgeport, Conn. Sheet metal nut. 1,957,282; May 1.
- Noyes, Bradford, jr., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer for measuring temperature of the skin. 1,942,516; Jan. 9.
- Noyes, Bradford, jr., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,942,517; Jan. 9.
- Noyes, Charles V., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fishline guide. 1,945,068; Jan. 30.
- Noyes, Everett E. (See Messer, Thomas V., assignor.)
- Noyes, John D., Detroit, Mich. Connection device. 1,943,692; Jan. 16.
- Noyes, Maxwell E., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Electric conductor cable. 1,955,468; Apr. 17.
- Noyes, Maxwell E., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Connector device for hollow cables and securing connections to such cables. 1,980,426; Nov. 13.
- Nozawa, Ichiro, Tsukishima, Kyobashi-ku, Tokyo, Japan. Arcuate truss. 1,976,188; Oct. 9.
- Nozicka, Franz, assignor to the firm Vereinigte Chemische Fabriken Kreidl, "Heller & Co.", Vienna, Austria. Photochemical oxidation of organic and inorganic compounds. 1,945,067; Jan. 30.
- Nuccio, Salvatore G., Chicago, Ill. Lifting jack. 1,955,649; Apr. 17.
- Nuckey, Percy, et al. (See Sutton, Gerald J., assignor.)
- Nuckols, Claude C., Menands, N. Y. Collapsible display stand. 1,962,833; June 12.
- Nuckols, Claude C., Menands, assignor to Albany Corrugated Container Corp., Albany, N. Y. Basket. 1,981,187; Nov. 20.
- Nu-Dell Manufacturing Co. Inc. (See Coffey, Creta, assignor.)
- Nudell Manufacturing Company. (See Strand, Eric J., assignor.)
- Nudelman, Charles S., and H. Kruglick, Chicago, Ill. Hanger for draperies. 1,945,228; Jan. 30.
- Nudl, Ludwig, Northcote, assignor to Nudl's Patents Proprietary Limited, Melbourne, Victoria, Australia. Spark control device for internal combustion engines. 1,956,332; Apr. 24.
- Nudl's Patents Proprietary Limited. (See Nudl, Ludwig, assignor.)
- Nuernberg, Andrew, Passaic, N. J. Apparatus for treating fabrics. 1,967,130; July 17.
- Nuesslein, Joseph, and H. Ulrich, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Oiling and dressing fibers. 1,985,687; Dec. 25.
- Nuevos Explosivos Industriales S. A. (See Callery, Luis E. d'A., assignor.)
- Nullmeyer, Frank H., Youngstown, Ohio. Apparatus for handling wire. 1,956,398; Apr. 24.
- Nullmeyer, Frank H., Youngstown, Ohio. Handling wire. 1,956,399; Apr. 24.
- Nulsen, Marvin E. (See Lear, W. P., and Nulsen.)
- Nulty, Robert L. (See Oldberg, V., and Nulty.)
- Numans, Johannes J., The Hague, Netherlands. Circuit arrangement for electrical amplifiers. 1,985,352; Dec. 25.

- Numpad Incorporated. (See Phinney, Maurice R., assignor.)
- Nunes, Alvin E., Kansas City, assignor of one-fourth to S. C. Moore and one-fourth to A. D. Moore. Independence, Mo. Removable receptacle closure. 1,961,382; June 5.
- Nusbaum, William R., Tiffin, Ohio. Device for facilitating the securing of bolts in walls. 1,958,674; May 15.
- Nussbaum, Wilhelm, Dusseldorf, Germany. Manufacture of nuts from balls. 1,970,430; Aug. 14.
- Nüsslein, Josef. (See Kalischer, G., Nüsslein, and Müller.)
- Nutbrown, Thomas M., Limited. (See Rathmill, Joseph, assignor.)
- Nutt, Harold, assignor to Borg & Beck Company, Chicago, Ill. Automatic clutch. 1,959,036; May 15.
- Nutt, Horace Y., Radlett, England. Tobacco pipe. 1,970,896; Aug. 21.
- Nutt, William H., Beverly, Mass. Vehicle wheel construction. 1,976,409; Oct. 9.
- Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel. Des. 94,046; Dec. 11.
- Nutter, William S., assignor to Goodall Worsted Company, Sanford, Maine. Woven fabric and making the same. 1,953,720; Apr. 3.
- Nutting, Howard S., and P. S. Petrie, assignors to The Dow Chemical Company, Midland, Mich. Preparing fluorinated methane. 1,961,622; June 5.
- Nutting, Howard S., P. S. Petrie, D. H. Croope, and M. E. Huser, assignors to The Dow Chemical Company, Midland, Mich. Separation of ethylene and preparation of alkyl halides from olefine mixtures. 1,985,457; Dec. 25.
- Nu-Wa Service Company. (See Vaughn, William H., assignor.)
- Nyanza Color & Chemical Co. Inc. (See Muller, Oscar F., assignor.)
- Nyberg, Herman. (See Gurton, W. S., Plint, and Nyberg.)
- Nyborg, Tage G., assignor of one-half to M. F. Higgins, Worcester, Mass. Belt drive. 1,944,296; Jan. 23.
- Nyborg, Tage G., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Conveyor. 1,983,484; Dec. 4.
- Nyce, Wallace, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Strap puddling machine and process. 1,960,195; May 22.
- Nycum, Homer C. (See Evans, R. D., and Nycum.)
- Nydegger, Roland R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strands and method of handling them. 1,947,166; Feb. 13.
- Nye, Alvin F., Rochester, and H. B. Lawson, East Rochester, assignors to Fli-Bac Products Corporation, Rochester, N. Y. Fly screen. 1,961,383; June 5.
- Nye, Augustus S., et al. (See Rowe, Fred H.)
- Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Continuous winding mechanism. 1,978,474; Oct. 30.
- Nye Odorless Incinerator Company. (See Abel, Harry B., assignor.)
- Nye Tool & Machine Works, The. (See Lilleberg, Tide-man M., assignor.)
- Nyffenegger, Hans, assignor to firm Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Bogie. 1,952,819; Mar. 27.
- Nyffenegger, Hans, assignor to the firm Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. High pressure water tube boiler for locomotives. 1,964,133; June 26.
- Nyffenegger, Hans, assignor to the firm Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. High pressure boiler including a water tube lined fire box particularly for locomotives. 1,974,505; Sept. 25.
- Nygaard, Egil, Oslo, Norway. Horseshoe of rubber or similar material. 1,946,636; Feb. 13.
- Nygaard, Oscar, Saugus, Mass. Water cooled furnace walls. 1,944,569; Jan. 23.
- Nygaard, Oscar, Saugus, Mass. Furnace wall. 1,948,798; Feb. 27.
- Nygaard, Oscar, Saugus, Mass. Furnace wall. 1,968,615; July 31.
- Nygaard, Oscar, Saugus, assignor to Bernitz Furnace Appliance Company, Boston, Mass. Apparatus for generating water gas. 1,964,073; June 26.
- Nygard, Charles L., Elmhurst, N. Y. Clutch plate. 1,959,213; May 15.
- Nygreen, Axel E. (See Elbert, Clifford R., assignor.)
- Nygren, Gustaf B., Krylbo, Sweden. Musical instrument. 1,979,635; Nov. 6.
- Nyman, Alexander, Dobbs Ferry, assignor to Radio Patents Corporation, New York, N. Y. Resistance coupled amplifier. 1,943,986; Jan. 16.
- Nyman, Alexander, Dobbs Ferry, assignor to Dubilier Condenser Corporation, New York, N. Y. Radio communication. 1,962,611; June 12.
- Nyman, Alexander, Dobbs Ferry, assignor to Radio Patents Corporation, New York, N. Y. Surge absorbing apparatus. 1,966,077; July 10.
- Nyman, Erik G., Eskilstuna, Sweden, assignor to A. Nelson, Great Neck, Long Island, N. Y. Razor blade drier. 1,980,593; Nov. 13.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Distortion correcting for transmission lines. 1,944,297; Jan. 23.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. System for voltage transformation of currents of wide frequency range. 1,959,494; May 22.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. System for measuring transmission losses at various frequencies. 1,968,164; July 31.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Concentric shield for cables. 1,979,402; Nov. 6.
- Nystrom, Carl F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compressor. 1,951,558; Mar. 20.
- Nystrom, Martin, Chicago, Ill., assignor to United Research Corporation, Long Island City, N. Y. Phonograph. 1,942,613; Jan. 9.
- Nystrom, Martin, Chicago, Ill., assignor to United Research Corporation, Long Island City, N. Y. Phonograph. 1,982,174; Nov. 27.
- Nystrom, Oscar P., assignor to Holland Furnace Company, Holland, Mich. Furnace fan bearing. 1,975,612; Oct. 2.
- Nystrom, Oscar P., and M. De Lin, assignors to Holland Furnace Company, Holland, Mich. Furnace jacket construction. 1,975,613; Oct. 2.
- O. K. Tool Company, The. (See Severson, Ole, assignor.)
- O. K. Tool Company, The. (See Weddell, Ralph R., assignor.)
- O. & S. Bearing Company. (See Skillman, Newton, assignor.)
- Oakes, Charles H., Toronto, Ontario, Canada. Forced draft furnace. 1,957,902; May 8.
- Oakes, Frank J., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Interlocking silent chain. 1,952,885; Mar. 27.
- Oakes, Frank J., deceased, Indianapolis, Ind., by G. P. Torrence, administrator, and H. C. Thornbrough, assignors to Link-Belt Company, Chicago, Ill. Drive. 1,966,831; July 17.
- Oakes, Fulton D., Scituate, Mass. Machine for brushing knitted fabrics. 1,961,939; June 5.
- Oakes Manufacturing Company, The. (See Abendroth, Elmer T., assignor.)
- Oakes Products Corporation. (See Ferguson, Arthur P., assignor.)
- Oakes Products Corporation. (See Flanders, Fred L., assignor.)
- Oakes Products Corporation. (See Gillen, George A., assignor.)
- Oakes Products Corporation. (See Gottlieb, O. F., and Sandberg, assignors.)
- Oakes Products Corporation. (See Sandberg, Ray A., assignor.)
- Oakes, William B., trustee, et al. (See Durham, Hobart N., assignor.)
- Oakes, William C., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,942,487; Jan. 9.
- Oakleaf, Howard B., Portland, Oreg. Lumber drying apparatus for yard use. 1,976,410; Oct. 9.
- Oakley, David S., Atlanta, Ga. Wheel treading machine. 1,972,030; Aug. 28.
- Oakley, Edward C. F., Thornton Heath, assignor to Hancock & Company (Engineers) Limited, London, England. Tracer mechanism. 1,951,117; Nov. 20.
- Oakley, George E., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Thermal relay. 1,969,319; Aug. 7.
- Oakley, Sterling A., Boise, Idaho. Contact resurfacing device. 1,951,201; Mar. 13.
- Oakley, Walter W., assignor to Corning Glass Works, Corning, N. Y. Cooling bridge walls for glass melting furnaces. 1,960,164; May 22.
- Oas, Bernt A., Chicago, Ill. Combination tourist and picnic bag and blanket. 1,951,527; Mar. 20.
- Oates, Edward F., Flushing, N. Y., assignor, by mesne assignments, to Bucyrus-Erie Company, South Milwaukee, Wis. Stabilizer. 1,975,119; Oct. 2.
- Oates, Free M., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale pivot. 1,954,181; Apr. 10.
- Oathout, Charles E., Shaker Heights, assignor to The Kaynee Company, Cleveland, Ohio. Garment. 1,951,944; Mar. 20.
- Oathout, Charles E., Shaker Heights, assignor to The Kaynee Company, Cleveland, Ohio. Garment. 1,963,174; June 19.
- O'Banion, John W., Yuba City, Calif. Surgical instrument. 1,942,766; Jan. 9.
- O'Bannon, Walter A., Tulsa, Okla. Pump. 1,962,998; June 12.
- O'Bannon, Walter A., assignor to Walter O'Bannon Co., Tulsa, Okla. Reciprocating pump. 1,966,994; July 17.
- O'Bannon, Walter, Co. (See O'Bannon, Walter A., assignor.)
- Obarski, Roman, Toledo, Ohio. Golf tee holder. 1,955,650; Apr. 17.
- Obear-Nester Glass Company. (See Nester, William A., assignor.)
- Obear-Nester Glass Company. (See Stuckey, Samuel G., assignor.)
- Obenchain, John A., Tampa, Fla. Game. 1,949,941; Mar. 6.

- Ober, Beverly, and E. H. Wight, assignors to The Oberphos Company, Baltimore, Md. Fertilizer. 1,947,138; Feb. 13.
- Ober, Beverly, W. W. Pagon, G. L. Pruett, and W. W. Troxell, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Apparatus for producing phosphatic fertilizers. 1,982,479; Nov. 27.
- Oberdick, Ervin O., Leonia, N. J., and C. Ringwald, Springfield, Ohio, assignors to General Tungsten Manufacturing Co., Inc., Union City, N. J. Circuit maker and breaker. 1,950,151; Mar. 6.
- Oberdorfer, F., G. m. b. H. (See Schuster, Karl U., assignor.)
- Oberdorfer, Jonas L., Syracuse, N. Y. Smoker set. 1,971,082; Aug. 21.
- Oberdorfer, Max, St. Helens, Oreg. Making and waxing of a sheet of paper by a paper making machine. Re19,187; May 29.
- Oberg, Axel T., Eugene, Oreg. Parcel carrier. 1,967,560; July 24.
- Oberg, Clifford R., Brockton, assignor to Barnes & Jones, Incorporated, Jamaica Plain, Mass. Calibrating valves. 1,946,756; Feb. 13.
- Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Wall telephone. Des. 94,158; Dec. 25.
- Obergfell, Herbert F., River Forest, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone instrument. 1,956,360; Apr. 24.
- Obergfell, Herbert F., River Forest, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Electromechanical signaling device. 1,966,042; July 10.
- Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone handset. 1,971,499; Aug. 28.
- Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone set. 1,983,393; Dec. 4.
- Obergfell, Paul. (See Grote, W., and Obergfell.)
- Oberhaensli, Friedrich, Brezeng-Lochau, Austria, assignor to Omo Aktiengesellschaft, Zurich, Switzerland. Heavy-oil engine. 1,954,644; Apr. 10.
- Oberhoffen, Alexander, assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. Re19,273; Aug. 14.
- Oberhoffen, Alexander, assignor to Production Engineering Company, Detroit, Mich. Hydraulic feed for machine tools. 1,944,362; Jan. 23.
- Oberle, Alfred. (See Mayer, Nikolaus, assignors.)
- Oberle, William F. (See Schultz, William M., assignor.)
- Oberly & Newell. (See Ebert, Ludwig, assignor.)
- Oberly & Newell 545 Pearl Street Corp., New York, N. Y. (See Ebert, Ludwig, assignor.)
- Obermayer, S., Co., The. (See Doyle, G. F., and Kaufman, assignors.)
- Obernier, Edgar H. (See Chambliss, E. L., Jr., and Obernier.)
- Oberphos Company, The. (See Ober, B., Pagon, Pruett, and Troxell, assignors.)
- Oberphos Company, The. (See Ober, B., and Wight, assignors.)
- Oberphos Company, The. (See Pagon, William W., assignor.)
- Oberphos Company, The. (See Pfaff, George C., assignor.)
- Oberphos Company, The. (See Waggaman, William H., assignor.)
- Oberschlesischer Berg- und Hüttenmännischer. (See Hofmann, F., and Lang, assignors.)
- Oberti, James M., San Francisco, Calif. Floor squeegee. 1,964,134; June 26.
- Obidine, Vladimir J., assignor of one-half to Wesley B. Tourtellotte, Los Angeles, Calif. Game scoring device. 1,959,636; May 22.
- Obiedoff, Vladimir, assignor to Societe de Produits Chimiques des Terres Rares, Paris, France. Process and apparatus for the production of magnesium by electrolysis. 1,951,836; Mar. 20.
- Obiedoff, Vladimir, assignor to Societe de Produits Chimiques des Terres Rares, Paris, France. Electrolytic vat. 1,957,283; May 1.
- Obiedoff, Vladimir, assignor to Societe de Produits Chimiques des Terres Rares, Paris, France. Electrolytic process for the production of magnesium. 1,957,284; May 1.
- O'Brien, Brian, Perrysburg, N. Y. Electric arc lamp. 1,955,143; Apr. 17.
- O'Brien, Chester J., Chicago, Ill. Joint for concrete slabs. 1,978,278; Oct. 23.
- O'Brien, David J., and T. F. Kotter, Brooklyn, N. Y. Shade bracket. 1,982,532; Nov. 27.
- O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Device for dispensing lubricating oil. 1,974,994; Sept. 25.
- O'Brien, Frank J., assignor to Continental Can Company, Inc., New York, N. Y. Forming an hermetically sealed easy opening container. 1,985,793; Dec. 25.
- O'Brien, James F., Philadelphia, Pa. Ignition system tester. 1,968,464; July 31.
- O'Brien, James J., Wayne, Pa. Pile. 1,982,687; Dec. 4.
- O'Brien, James K., assignor to Kleen Chemical Company, Philadelphia, Pa. Advertising device. 1,964,477; June 26.
- O'Brien, John M., assignor of one-half to L. B. Senif, West Winfield, N. Y. Combined inductance coil and switch. 1,971,872; Aug. 28.
- O'Brien, Joseph A., Ponca City, Okla., assignor to Standard Oil Development Company. Gas and liquid separator. 1,973,650; Sept. 11.
- O'Brien, Joseph F. (See Keith, C. D., and O'Brien.)
- O'Brien, Joseph L. (See Rose, G. W., and O'Brien.)
- O'Brien, Joseph L., assignor to Hat Corporation of America, South Norwalk, Conn., and New York, N. Y. Sweat band flanging machine. 1,957,723; May 8.
- O'Brien, Moses E., Brooklyn, N. Y. Spread sheet control machine. 1,984,199; Dec. 11.
- O'Brien, Nathan, Washington, D. C. Sack for vacuum cleaners. 1,977,139; Oct. 16.
- O'Brien, Raymond H., Los Angeles, Calif. Air driven advertising device. 1,973,223; Sept. 11.
- O'Brien, Raymond J., Rutherford, N. J., and E. Hazell, New York, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Apparatus for applying adhesive preparations. 1,945,700; Feb. 6.
- O'Brien, Raymond J., Rutherford, and F. R. Chappell, Passaic, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Device for spreading latex and the like. 1,972,457; Sept. 4.
- O'Brien, Robert J., and A. A. Rubin, Newark, N. J. Diaper and the like. 1,980,899; Nov. 6.
- O'Brien, Timothy R., Middletown, N. Y. Fuel saver for hard coal burners. 1,977,951; Oct. 23.
- O'Brien Varnish Company. (See Reece, Floyd M., assignor.)
- O'Brien, Vincent J., assignor of one-half to S. C. Montrose, Denver, Colo. Can opener. 1,961,594; June 5.
- O'Brien, William J., Shaker Heights, Ohio. Pigment. 1,952,886; Mar. 27.
- O'Brien, William J., Syracuse, N. Y. Paper making machine. 1,972,392; Sept. 4.
- O'Brien, William L. (See Leland, G. H., and O'Brien.)
- Obrieg, Theodore E., Greenwich, Conn., assignor to Gall & Lemke, Inc., New York, N. Y. Ophthalmic lens. 1,969,622; Aug. 7.
- Obriotti, Joe. (See Spero, David L., assignor.)
- O'Bryan, Francis L., deceased, by M. O'Bryan, administratrix, assignor of one-fourth to J. A. Williams, Framingham, Mass. Propeller. 1,973,355; Sept. 11.
- O'Bryan, Marion, administratrix. (See O'Bryan, Francis L.)
- Ocean City Manufacturing Co. (See Hirsch, Stephen G., assignor.)
- O-Cedar Corp'n. (See Barton, Joseph W., assignor.)
- Och, Henry G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave filter. 1,942,488; Jan. 9.
- Ochs, Erie J., Painesville, Ohio. Apparatus for treating slurry. 1,944,452; Jan. 23.
- Ochsenbein, Walter, assignor to Hasler A.-G. vormalis Telegraphenwerkstatte von G. Hasler, Bern, Switzerland, Franking, stamping, or the like machine. 1,968,347; July 31.
- Ochtman, Leonard, Jr., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Internal combustion engine. 1,967,682; July 24.
- Ocker, William C. (See Crane, C. J., and Ocker.)
- Ockman, Tobias. (See Ellis, G. H., Ockman, and Olpin.)
- O'Connell, Daniel J., N. J. Schlossman, J. Demuth, and J. Loeb, assignors to O'Connell's Inc., Chicago, Ill. Store front. Des. 91,468; Feb. 6.
- O'Connell, John J., assignor to International Envelope Corporation, Dayton, Ohio. Printing. 1,943,987; Jan. 16.
- O'Connell, Peter, Cincinnati, Ohio. Auxiliary refrigerator closure. 1,972,631; Sept. 4.
- O'Connell, Robert D. et al. (See Roberts, Edmund W., assignor.)
- O'Connell & Sweeney. (See Roberts, Edmund W., assignor.)
- O'Connell, Timothy M., Philadelphia, Pa. Votive light tumbler. 1,945,953; Feb. 6.
- O'Connell's Inc. (See O'Connell, D. J., Schlossman, Demuth, and Loeb, assignors.)
- O'Connor, Arthur F., assignor to Equipment Specialties Company, Chicago, Ill. Well trap. 1,941,814; Jan. 2.
- O'Connor, Frank J., Dwight, Ill. Vehicle top sign. 1,942,444; Jan. 9.
- O'Connor, Gerald G., Cleveland, Ohio. Rumble seat attachment for tricycles. 1,965,929; July 10.
- O'Connor, Harvey T. (See Shriver, C. E., and O'Connor.)
- O'Connor, John B. (See Vance, W. N., O'Connor, and Adler.)
- O'Connor, John B., and J. E. Bales, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Folding table. 1,979,568; Nov. 6.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, of one-half to W. H. Miner, Inc., and one-half to Cardwell Westinghouse Company. Friction shock absorbing mechanism. 1,948,883; Feb. 27.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,955,857; Apr. 24.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,955,858; Apr. 24.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,958,636; May 15.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,958,637; May 15.

- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,964,170; June 26.
- O'Connor, Martin, Brooklyn, N. Y. Nozzle. 1,948,824; Feb. 27.
- O'Connor, Michael F., Elizabeth, N. J., assignor to Phoenix Manufacturing Company, Joliet, Ill. Horseshoe and making the same. 1,975,730; Oct. 2.
- O'Connor, Raymond C., assignor to Union Railway Equipment Company, Chicago, Ill. Winding drum for hand brakes. 1,976,267; Oct. 9.
- O'Connor, Richard J. (See Waterworth, R. J., and O'Connor.)
- O'Connor, Thomas. (See Orth, W. G., and O'Connor.)
- O'Connor, Thomas, and W. G. Orth, assignors to Ohmer Fare Register Company, Dayton, Ohio. Duplicate ticket receipt register. 1,960,918; May 29.
- O'Daniel, Edgar V., Bronxville, assignor to American Cyanamid Company, New York, N. Y. Fumigating grain. 1,956,620; May 1.
- Odell, Allene B. (See Odell, William W., assignor.)
- Odell, Jerry M., Marshall, Mo. Turnstile. 1,969,414; Aug. 7.
- O'Dell, Robert J., Ticonderoga, N. Y. Securing automobile top coverings. 1,971,723; Aug. 28.
- Odell, William W., Chicago, Ill. Making carbon black. 1,964,744; July 3.
- Odell, William W., Chicago, Ill. Making coke and combustible gas. 1,968,053; July 31.
- Odell, William W., Chicago, Ill. Adjustable grate generator. 1,972,897; Sept. 11.
- Odell, William W., Chicago, Ill. Making combustible gas. 1,972,898; Sept. 11.
- Odell, William W., Chicago, Ill., assignor to A. B. Odell, New York, N. Y. Wrapping material. 1,957,903; May 8.
- Odell, William W., Baltimore, Md. Shoe and foot-supporting device. 1,972,899; Sept. 11.
- Odell, William W., Pittsburgh, Pa. Carbonizing carbonaceous materials. 1,983,943; Dec. 11.
- Odell, William W., Pittsburgh, Pa. Producing chemical reactions. 1,984,380; Dec. 18.
- Odenbach, John H., and J. Cattanaach, Rochester, N. Y.; said Cattanaach assignor to said Odenbach. Bending machine. 1,970,182; Aug. 14.
- Odenkirk, Harry C., Cleveland, Ohio. Sanitary and self-cleansing trap. 1,951,253; Mar. 13.
- Odets, Louis J., Philadelphia, Pa. Mattress and cushion construction. 1,973,651; Sept. 11.
- Odland, Oluf E., Flaxton, N. Dak. Box-making frame. 1,965,780; July 10.
- Odman, Reuben J., Seattle, Wash. Service station for motor cars. Des. 92,195; May 8.
- O'Donnell, Edward M., San Francisco, Calif. Heat exchanger. 1,947,098; Feb. 13.
- O'Donnell, John J., Yonkers, N. Y. Switch device for automobile signals. 1,982,397; Nov. 27.
- O'Donnell, Max. (See Lawrence, Fred, assignor.)
- O'Donnell, Philip L., Norwood, and E. Groh, Cincinnati, Ohio. Cut-off mechanism for taping machines. 1,977,488; Oct. 16.
- O'Dwyer, Helen H., Jackson, Mich. Sleeping bag. 1,964,271; June 26.
- Oechs, Anthony & Company. (See Sgueglia, Joseph P., assignor.)
- Oeffinger, Edmund F. (See Dietz, J. B., and Oeffinger.)
- Oehler, Alvin W. (See Anderson, R. L., and Oehler.)
- Oehlsen, George W., Jr., assignor to Stewart-Warner Corporation, Chicago, Ill. Tuning mechanism for radio receiving sets. 1,977,889; Oct. 23.
- Oehme, Hermann, assignor to Chemische Fabrik Kalk, Gesellschaft mit beschränkter Haftung, Cologne-Kalk, Germany. Conversion of the gypsum contained in superphosphate into ammonium sulphate. 1,949,129; Feb. 27.
- Oehmichen, Etienne, Valentigney, France. Device for reducing the stresses upon films in cinematographic apparatus. 1,957,148; May 1.
- Oehmichen, Etienne, Valentigney, France. Device for automatically adjusting the size of the loop in cinematographic apparatus. 1,958,152; May 8.
- Oehmichen, Etienne E., Valentigney, France. Aerial navigation machine utilizing a light gas. 1,957,149; May 1.
- Oehmichen, Etienne E., Valentigney, France. Device for throwing anchors from aircraft. 1,957,285; May 1.
- Oehle Brothers Company. (See Oehle, Franklin W., assignor.)
- Oehle, Franklin W., assignor to Oehle Brothers Company, Philadelphia, Pa. Woven edging. Des. 91,961; Apr. 10.
- Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Draft gear. 1,947,056; Feb. 13.
- Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Roller bearing assembly. 1,960,814; May 29.
- Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Truck. 1,964,928; July 3.
- Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Roller bearing assembly. 1,977,324; Oct. 16.
- Oelmann, Wilhelm, Berlin, Germany, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Surface treating machine. 1,961,384; June 5.
- Oelmann, Wilhelm H. K., Berlin, Germany, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Washing machine. 1,966,213; July 10.
- Oermann, Carl H., York, Pa. Foot for glider swings. 1,966,355; July 10.
- Oeser, Francis L. (See Oeser, Harry E. and F. L.)
- Oeser, Harry E. and F. L., Bellingham, Wash. Pole planing machine. 1,955,437; Apr. 17.
- Oesterlin, Manfred. (See Glemsa, G., Oesterlin, and Pützer.)
- Oesterreichische Chemische Werke Gesellschaft m. b. H. (See Müller, Josef, assignor.)
- Oestnaes, Victor L., Westfield, and R. W. Luce, Mount-ain-side, assignors to American Gasaccumulator Company, Elizabeth, N. J. Reflector. 1,957,797; May 8.
- Oestnaes, Victor L., Westfield, and R. W. Luce, Mountain-side, assignors to American Gasaccumulator Company, Elizabeth, N. J. Making reflectors. 1,982,318; Nov. 27.
- Oestricher, Henry G., Detroit, Mich. Voltage amplifier. 1,974,928; Sept. 25.
- Oetjen, John H., Maplewood, assignor to Charles Engel-hard, Inc., Newark, N. J. Mounting block for gas analysis cells. 1,954,681; Apr. 10.
- Oetzel, John G., Alameda, assignor to Atlas Imperial Diesel Engine Company, Oakland, Calif. Apparatus for testing spray jets of Diesel engines. 1,956,247; Apr. 24.
- O'Farrell, Gerald A., Oakmont, Pa. Draftsman's table. 1,942,727; Jan. 9.
- O'Farrell, Gerald A., Oakmont, Pa. Draftsman's table. 1,985,212; Dec. 18.
- Ofeldt, Ernest G., Nyack, N. Y. Pump. 1,966,356; July 10.
- Ofeldt, Frank W., McKeesport, Pa. Water heater or steam boiler. 1,970,971; Aug. 21.
- Ofeldt, Frank W., McKeesport, assignor to Homestead Valve Manufacturing Co., Coraopolis, Pa. Hydraulic system and nozzle therefor. 1,958,094; May 8.
- Offenbacher, Emil, Nuremberg, Germany. Cutting and grinding disk. 1,977,952; Oct. 23.
- Offenbacher, Glenn. (See Kelly, William W., assignor.)
- Offenhausser, Christopher, Philadelphia, Pa. Rendering machine. 1,973,928; Sept. 18.
- Offensend, Chase F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. Des. 91,536; Feb. 20.
- Offer, Samuel. (See Sabik, G., and Offer.)
- Offer, Dominic J., and R. Stier, Bloomfield, N. J. Display stand. 1,977,400; Oct. 16.
- Officer, Wesley J., and B. A. Seaver, assignors to Blake Manufacturing Corporation, Springfield, Mass. Flash light. 1,969,320; Aug. 7.
- Offutt, Harold H. (See Billings, E., and Offutt.)
- Offutt, James S. (See Ericson, R., Offutt, and Parsons.)
- Offutt, James S., assignor to United States Gypsum Company, Chicago, Ill. Acoustical plaster for high humidity conditions. 1,961,525; June 5.
- Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Tube handling apparatus. 1,984,756; Dec. 18.
- O'Flaherty, Edward J., Detroit, Mich. Tool chuck. 1,970,056; Aug. 14.
- Ogden, Ashley G., Miami, Fla., assignor to General Printing Ink Corporation, New York, N. Y. Producing compositions. 1,980,287; Nov. 13.
- Ogden, Dana P., Ottawa, assignor of one-half to E. F. Plumb, Streator, Ill. High temperature resistant fan. 1,953,540; Apr. 9.
- Ogden, Dana P., Ottawa, assignor of one-half to E. F. Plumb, Streator, Ill. Fan scroll. 1,955,250; Apr. 17.
- Ogden, J. Edward, Company. (See McIntosh, Roy E., assignor.)
- Ogden, Jacob W. (See Wheeler, W. H., Ogden, and Ronan.)
- Ogden, Thomas. (See Rasmussen, W. R., and Ogden.)
- Ogilby, Stewart R., Staten Island, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Forming rubber articles. 1,969,275; Aug. 7.
- Ogilvie, Henry, London, England. Rotary compressor or pump. 1,953,253; Apr. 3.
- Ogilvie, James. (See Crowell, J. H., Ogilvie, and Rogers.)
- Ogilvie, James. (See Rogers, D. G., and Ogilvie.)
- Ogilvie, James, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of quinoline yellow bases. 1,963,374; June 19.
- Ogilvie, William, Solihull, assignor to B. S. A. Tools Limited, Birmingham, England. Centerless grinding machine. 1,948,392; Feb. 20.
- Ogilvie, William, Copt Heath, Knowle, assignor to B. S. A. Tools Limited, Birmingham, England. Machine for grinding cylindrical bodies. 1,978,279; Oct. 23.
- Ogle, W. Forrest, et al. (See Keown, John M., assignor.)
- Oglesby, David E. (See Willis, Elijah J., assignor.)
- Oglesby, Nicholas E., and H. V. Wright, Edgewood, Md. Preparing a catalyst. 1,956,585; May 1.
- Oglesby, Richard W., Canton, S. Dak. Vehicle dumping mechanism. 1,973,014; Sept. 11.
- Ogren, Carl F., assignor to Thermoid Rubber Company, Trenton, N. J. Clutch facing. 1,964,672; June 26.
- Oggsbury, James S., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale. 1,978,910; Oct. 30.
- Ogush, Benjamin, assignor to Katz & Ogush, Inc., New York, N. Y. Clasp. 1,980,222; Nov. 13.
- O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,942,614; Jan. 9.
- O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating device fusing copper oxide rectifiers. 1,961,940; June 5.

- O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating device using copper oxide rectifiers. 1,966,558; July 17.
- O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating device using copper oxide rectifiers. 1,980,142; Nov. 6.
- O'Hara, Bernard, and W. Herring, Oklahoma City, Okla. Switch. 1,949,822; Feb. 27.
- Ohara, Tsuneto, Kotaro Enomoto, and Ko Honda, assignors of one-fifth to Kan-ichiro Matsuki, Tokyo, Japan. Electric lamp. 1,946,104; Feb. 6.
- O'Hara, William Y., Waipahu, Hawaii. Staple. 1,963,527; June 19.
- O'Hare, E. J., et al. (See Bacon, Willard M., jr., assignor.)
- O'Hare, John J., North Brookfield, Mass., assignor to American Rubber Products Corporation, New York, N. Y. Compounding rubber and the like. 1,985,261; Dec. 25.
- Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
- Ohio Brass Company, The. (See Austin, A. O., and Hillebrand, assignors.)
- Ohio Brass Company, The. (See Bovard, Floyd G., assignor.)
- Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
- Ohio Brass Company, The. (See Dippman, Fred R., assignor.)
- Ohio Brass Company, The. (See Higgins, Ralph, assignor.)
- Ohio Brass Company, The. (See Hillebrand, William A., assignor.)
- Ohio Brass Company, The. (See Hillebrand, W. A., and Morris, assignors.)
- Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
- Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
- Ohio Brass Company, The. (See Meisse, Louis A., assignor.)
- Ohio Brass Company, The. (See Moore, Edgar D., assignor.)
- Ohio Brass Company, The. (See Pipes, Pliny P., assignor.)
- Ohio Brass Company, The. (See Sawhill, J. M., and Mead.)
- Ohio Brass Company, The. (See Taylor, John J., assignor.)
- Ohio Brass Company, The. (See Wolf, Fred L., assignor.)
- Ohio Carbon Company, The. (See Kropp, Clayton L., assignor.)
- Ohio Cold Metal Process Company, The. (See McBain, William C., assignor.)
- Ohio Electric Manufacturing Company, The. (See Jessop, Francis W., assignor.)
- Ohio Electric Mfg. Co., The. (See Sauer, Henry W., assignor.)
- Ohio Electric Mfg. Co., The. (See Walter, Allen D., assignor.)
- Ohio Electric Mfg. Company, The. (See Wertz, Roy O., assignor.)
- Ohio Foundry Co. (See Mackert, Albert W., assignor.)
- Ohio Foundry Company. (See Winkler, John, assignor.)
- Ohio Foundry & Manufacturing Company. (See McFadden, George H., assignor.)
- Ohio Foundry & Manufacturing Company, The. (See Sharpe, William L., assignor.)
- Ohio Injector Company of Illinois, The. (See Edwards, Frank W., assignor.)
- Ohio Match Company, The. (See Mansfield, N. F., and Gottesman, assignors.)
- Ohio Power Shovel Company, The. (See Haines, Homer E., assignor.)
- Ohio Power Shovel Company, The. (See Huston, William M., assignor.)
- Ohio Rubber Company, The. (See Bronson, Budd, assignor.)
- Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
- Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic selection of receiving channels. 1,950,123; Mar. 6.
- Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Removing modulation from a modulated wave. 1,976,457; Oct. 9.
- Ohlbaum, Karl, et al. (See Woschke, Erich, assignor.)
- Ohlendorf, Heinrich. (See Reddelein, G., Ohlendorf, and Holzach.)
- Ohlfs, Julius J. (See Lenke, George H., assignor.)
- Ohlson, Reynold A., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Holder for cartridge type fuses and the like. 1,955,251; Apr. 17.
- Ohlwiler, Clarence H., Southbridge, Mass. Coloring flame and making the same. 1,977,890; Oct. 23.
- Ohly, Carl. (See Heymann, H., and Ohly.)
- Ohmer, Arthur. (See Reindell, H., and Ohmer.)
- Ohmer Fare Register Company. (See Baker, Hastings W., assignor.)
- Ohmer Fare Register Company. (See Coll, Grover C., assignor.)
- Ohmer Fare Register Company. (See Horn, Paul, assignor.)
- Ohmer Fare Register Company. (See Long, Robert B., assignor.)
- Ohmer Fare Register Company. (See O'Connor, T., and Orth, assignors.)
- Ohmer Fare Register Company. (See Orth, W. G., and O'Connor, assignors.)
- Ohmer Fare Register Company. (See Sedgebury, Herman F., assignor.)
- Ohmer Fare Register Company. (See Wheelbarger, Albert S., assignor.)
- Ohmer, John F., and R. B. Long, Dayton, assignors, by mesne assignments, to Central United National Bank, Cleveland, Ohio. Knife construction. 1,966,078; July 10.
- Ohmer, Wilfred I., Dayton, Ohio. Safety razor. 1,966,307; July 10.
- Ohno, Hisajiro, Los Angeles, Calif. Preserving fish. 1,965,966; July 10.
- Ohnstrand, Enoch, Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Insulated furniture construction. 1,944,263; Jan. 23.
- Ohnstrand, Enoch, Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Cabinet. 1,951,202; Mar. 13.
- Ohrn, Herbert E. (See Wikander, A. J., and Ohrn.)
- Ohta, Chisada. (See Ito, Naichi, assignor.)
- Ohta, Chisada, Kita-Ku, Osaka, Japan. Hermetic seal for bottles. 1,941,712; Jan. 2.
- Oil Burner Products Company, Incorporated. (See Brumm, George O., assignor.)
- Oil Corporation of America. (See Darlington, Homer T., assignor.)
- Oil Devices Corporation. (See Breese, James L., jr., assignor.)
- Oil-Elec-Tric Engineering Corporation. (See Sigwald, Charles G., assignor.)
- Oil-Elec-Tric Engineering Corporation. (See Van Sciver, Josiah H., assignor.)
- Oil Equipment Laboratories, Inc. (See Rodler, Hilmer F., assignor.)
- Oilgear Company, The. (See Clute, Donald, assignor.)
- Oilgear Company, The. (See Douglas, James K., assignor.)
- Oilgear Company, The. (See Ferris, John P., assignor.)
- Oilgear Company, The. (See Ferris, J. P., and Douglas, assignors.)
- Oilgear Company, The. (See Ferris, J. P., and Fyfe, assignors.)
- Oilgear Company, The. (See Ferris, J. P., and Wiedmann, assignors.)
- Oilgear Company, The. (See Ferris, Walter, assignor.)
- Oilgear Company, The. (See Ferris, Walter and J. P., assignors.)
- Oilgear Company, The. (See Ferris, W., and Fobian, assignors.)
- Oilgear Company, The. (See Ferris, W., and Macomber, assignors.)
- Oilgear Company, The. (See Ferris, W., Wiedman, and Clute, assignors.)
- Oilgear Company, The. (See Wollaeger, Erich C., assignor.)
- Oilgear Company, The. (See Young, L. F., and Ferris, assignors.)
- Oil Products Appliance Co. (See Davenport, Arthur E., assignor.)
- Oil Service & Engineering Company. (See Hildebrand, H. W., jr., and Titely, assignors.)
- Oil Well Supply Company. (See Adams, James W., assignor.)
- Oil Well Supply Company. (See Anderson, Carl M., assignor.)
- Oil Well Supply Company. (See Bell, Alexander H., assignor.)
- Oil Well Supply Company. (See Greve, Edgar E., assignor.)
- Oil Well Supply Company. (See Hartley, Walter, assignor.)
- Oil Well Supply Company. (See Kline, Richard E., assignor.)
- Oil Well Supply Company. (See Mack, Patrick H., assignor.)
- Oil Well Supply Company. (See Maier, August R., assignor.)
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle ventilating fan. Re19,125; Mar. 27.
- Oishei, John R., H. Hueber, W. Paulus, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. Re19,113; Mar. 13.
- Oishei, John R., and W. Paulus, assignors to Trico Products Corporation, Buffalo, N. Y. Device for mounting on a spare tire. 1,978,646; Oct. 30.
- Okada, Hiroshi, Tokyo, Japan. Reservoir pen. 1,980,350; Nov. 13.
- Okadee Company, The. (See Ayers, A. R., and MacBain, assignors.)
- O'Kane, Robert G., and E. R. Derby, Springfield, assignors to The Fiberloid Corporation, Indian Orchard, Mass. Finishing sheet pyroxylin. 1,979,762; Nov. 6.
- O'Keefe, Cornelius P., and L. R. Mallette, assignors of three-fourths to E. B. Mallette and one-fourth to T. W. Sukumlyn, Los Angeles, Calif. Shaving brush mechanism. 1,978,757; Oct. 30.
- O'Keefe, Daniel P., and L. J. Smullen, Los Angeles, Calif. Guard rail for stoves. Des. 92,421; June 5.
- O'Keefe, Daniel P., and L. J. Smullen, Los Angeles, Calif. Guard rail for stoves. Des. 92,422; June 5.
- O'Keefe, George W., New Rochelle, N. Y., assignor to Filtration Engineers, Inc., Newark, N. J. Filtering apparatus and process. 1,948,947; Feb. 27.

- Okenfuss, Wilfred A., assignor to Wagner Electric Corporation, St. Louis, Mo. Machine base. 1,974,158; Sept. 18.
- Okey, Perry, assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,980,956; Nov. 13.
- Okonite-Callender Cable Company. (See Bennett, Charles F., assignor.)
- Okonite-Callender Cable Company, The. (See Everest, Guy N., assignor.)
- Okonite-Callender Cable Company, The. (See Meyer, Fred C., assignor.)
- Okonite-Callender Cable Company. (See Meyer, F. C., and Moffitt, assignors.)
- Okonite-Callender Cable Company, Incorporated, The. (See Bennett, Charles E., assignor.)
- Okonite-Callender Cable Company, Incorporated, The. (See Soutter, Robert, jr., assignor.)
- Okonite-Callender Cable Company, Incorporated, The. (See Wiseman, R. J., and Relnitz, assignors.)
- Okuda, Ryosuke, Los Angeles, Calif. Hand cover. 1,962,258; June 12.
- Okuma, Yeichi, Fujitsuka-Cho, Higashi-Kur, Nagoya-Shie, Aichi-Ken, Japan. Spindle for net making machines. 1,943,226; Jan. 9.
- Okuma, Yeichi, Fujitsuka-Cho, Higashi-ku, Nagoya-Shi, Aichi-Ken, Japan. Net making machine. 1,975,431; Oct. 2.
- Olafson, Alvin O., assignor to National Traffic Signal Company, St. Paul, Minn. Vehicle actuated switch. 1,972,534; Sept. 4.
- Olander, C. E., et al. (See Gough, Frank, assignor.)
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Brake. 1,963,210; June 19.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,974,581; Sept. 25.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Insulation for doors. 1,979,636; Nov. 6.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,982,016; Nov. 27.
- Olberg, Charles R., San Gabriel, Calif. Radial buttress dam. 1,965,988; July 10.
- Olcott, Charles A., Montclair, N. J. Centrifugal friction clutch. 1,972,047; Aug. 28.
- Old, James H., et al. (See Lenke, George H., assignor.)
- Oldberg Manufacturing Company. (See Oldberg, Virgil, assignor.)
- Oldberg Manufacturing Company. (See Oldberg, V., and Morgan, assignors.)
- Oldberg Manufacturing Company. (See Oldberg, V., and Nulty, assignors.)
- Oldberg, Virgil, assignor to Oldberg Manufacturing Company, Detroit, Mich. Silencer. 1,950,455; Mar. 13.
- Oldberg, Virgil, assignor to Oldberg Manufacturing Company, Detroit, Mich. Coupling. 1,953,124; Apr. 3.
- Oldberg, Virgil, Detroit, Mich., assignor to Oldberg Manufacturing Company. Silencer. 1,964,996; July 3.
- Oldberg, Virgil, assignor to Oldberg Manufacturing Company, Detroit, Mich. Muffler. 1,975,861; Oct. 9.
- Oldberg, Virgil, and R. L. Nulty, assignors to Oldberg Manufacturing Company, Detroit, Mich. Silencer. 1,952,139; Mar. 27.
- Oldberg, Virgil, and W. C. Morgan, jr., assignors to Oldberg Manufacturing Company, Detroit, Mich. Muffler. 1,953,123; Apr. 3.
- Old Colony Envelope Company. (See Walton, Albert, assignor.)
- Old Colony Trust Company. (See Hawadier, Jacques A. M., assignor.)
- Old Colony Trust Company. (See Holt, William, assignor.)
- Old Colony Trust Company. (See Spaeth, Charles, assignor.)
- Old Colony Trust Company, executor. (See McLaurin, William W., assignor.)
- Olde Homestead Products Co., Ltd. (See Bragger, William J., assignor.)
- Oldenboom, Derk J., Woodbridge, N. J., assignor, by mesne assignments to International Business Machinery Corporation, New York, N. Y. Multiplying machine with improved checking features. 1,944,665; Jan. 23.
- Older, Clifford, Wilmette, Ill. Expansion joint for pavement and the like. 1,953,308; Apr. 3.
- Oldham, Anthus D., assignor to Indiana Limestone Company, Bedford, Ind. Combined stone surfacing and sawing machine. 1,945,490; Jan. 30.
- Oldham, Bert E., Campil, assignor of one-fourth to H. Willis, Natchitoches, and one-fourth to W. Carter, Clarence, La. Fish trap. 1,956,225; Apr. 24.
- Oldham, Inez M., Chicago, Ill. Sewer's article. 1,962,325; June 12.
- Oldham, John M., assignor to L. A. Young, Detroit, Mich. Making shafts for golf clubs and the like. 1,942,445; Jan. 9.
- Oldham, John M., assignor to L. A. Young, Detroit, Mich. Golf club head. 1,968,092; July 31.
- Oldham, John M., assignor to L. A. Young, Detroit, Mich. Golf club shaft. 1,968,616; July 31.
- Oldham, Samuel R., Chicago, Ill., assignor to The Linde Air Products Company. Removing metal from metal articles. 1,957,351; May 1.
- Oldham, Samuel R., Chicago, Ill., and L. W. Young, Buffalo, N. Y., assignors to The Oxweld Railroad Service Company. Blowpipe. 1,965,467; July 3.
- Olds, Ambrose D., Wichita, Kans. Lamp. Des. 92,921; July 31.
- Olds, Ambrose D., Wichita, Kans. Liquid dispenser. Des. 93,357; Sept. 18.
- Olds, Ambrose D., Wichita, Kans. Coffee urn. Des. 93,570; Oct. 9.
- Olds, Ambrose D., Wichita, Kans. Coffee maker. 1,971,758; Aug. 28.
- Olds, Ambrose D., assignor to The Cleveland Lamp and Stove Company, Wichita, Kans. Flatiron. 1,971,759; Aug. 28.
- Olean Glass Company. (See Smith, George, jr., assignor.)
- O'Leary, William J., Montreal, Quebec, Canada, assignor to Walker and Dying. Electrical apparatus. 1,971,793; Aug. 28.
- Olen, John E., St. Paul, Minn. Expansion ring and tool for contracting same. 1,958,638; May 15.
- Olen, Victor, Wauwatosa, Wis., assignor, by mesne assignments, to A. Harry. Plate glass transporting mechanism. 1,953,056; Mar. 27.
- Olena, Harold G. (See Goulard, A., and Olena.)
- Olenick, Steve E., assignor to Boyle Valve Company, Chicago, Ill. Engine valve. 1,960,709; May 29.
- Olfort, Axel. (See Johnsen, J. R., and Olfort.)
- Olin, Henry, Minneapolis, Minn. Water heater. 1,948,731; Feb. 27.
- Olin, John F. (See Thomas, C. A., and Olin.)
- Olin, John F., Dayton, Ohio, assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Alkali metal di-amyldithiocarbamates. 1,983,240; Dec. 4.
- Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,842; Nov. 13.
- Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,843; Nov. 13.
- Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,844; Nov. 13.
- Oliphant, Laurence, Maplewood, N. J., assignor to Oxweld Acetylene Company. Blowpipe. Des. 93,845; Nov. 13.
- Olivari, Gino. (See Colombo, V., and Olivari.)
- Oliver, Harry L., and M. M. Mittet, Seattle, Wash. Grease gun nozzle. 1,954,144; Apr. 10.
- Oliver, Charles, Chislehurst, assignor to Oliver Pell Control Limited, Woolwich, England. Apparatus for use in or in conjunction with cigarette making machines. 1,941,752; Jan. 2.
- Oliver, Edd C., Adrian, Mich. Tap grinding machine. 1,974,365; Sept. 18.
- Oliver, Ernest C., Cheshire England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,944,693; Jan. 23.
- Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)
- Oliver Farm Equipment Company. (See Dewend, W. D., and Altgelt, assignors.)
- Oliver Farm Equipment Company. (See Dickinson, Harry S., assignor.)
- Oliver Farm Equipment Company. (See Schoenrock, Otto R., assignor.)
- Oliver Farm Equipment Company. (See Smith, W. F., and Neece, assignors.)
- Oliver, George T., Kennebunk, Maine. Cradling for panels. 1,971,533; Aug. 28.
- Oliver, Herbert R., Baltimore, Md. Liquid heater. 1,946,031; Feb. 6.
- Oliver Iron & Steel Corporation. (See Fassinger, Charles, assignor.)
- Oliver, James, Ventnor, N. J., and T. A. Oliver, Jenkintown, Pa. Producing hosiery. 1,954,711; Apr. 10.
- Oliver, James G., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for grooving laminated glass. 1,954,057; Apr. 10.
- Oliver, James H., Philadelphia, Pa., assignor to General Electric Company. Automatic supervisory equipment. 1,957,225; May 1.
- Oliver, John G. (See Libby, William L., assignor.)
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine. 1,950,564; Mar. 13.
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine driving mechanism. 1,950,565; Mar. 13.
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine looper mechanism. 1,950,566; Mar. 13.
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Welt sewing machine. 1,951,369; Mar. 20.
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Welt sewing machine. 1,951,370; Mar. 20.
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine take-up mechanism. 1,984,279; Dec. 11.
- Oliver Machinery Company. (See Tuthill, H. B., and Caldwell, assignors.)
- Oliver, Robert S., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage perch. 1,956,652; May 1.
- Oliver, Robert S., New Haven, Conn., and F. V. Meindl, Chicago, Ill., assignors to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,977,996; Oct. 23.
- Oliver, Thomas A. (See Oliver, James and T. A.)
- Oliver United Filters Inc. (See Culver, Edwin S., assignor.)
- Oliver United Filters Inc. (See Moore, C. W., and Crumb, assignors.)
- Oliver, Wallace F., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Semirigid brake shoe. Re19,188; May 29.

- Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Ironing machine frame. Des. 91,785; Mar. 20.
- Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Hose end coupling and assembling. 1,955,930; Apr. 24.
- Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Ironing machine. 1,972,817; Sept. 4.
- Oliver, Wallace F., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Hydraulic brake. 1,972,829; Sept. 4.
- Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake mechanism. 1,974,467; Sept. 25.
- Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Equalized hydraulic brake system. 1,982,449; Nov. 27.
- Oliver, Wallace F., and J. R. Heidloff, Detroit, Mich., assignors to Hydraulic Brake Company, Los Angeles, Calif. Combination ullage rod and ventiduct. 1,948,310; Feb. 20.
- Olivier, Jules A., Detroit, Mich., assignor to Dietrich, Incorporated. Top post and connection. 1,950,742; Mar. 13.
- Olivier, Jules A., Detroit, Mich., assignor to Dietrich, Incorporated. Collapsible top construction for vehicle bodies. 1,966,514; July 17.
- Olivier, Jules A., assignor to Dietrich, Incorporated, Detroit, Mich. Folding top. 1,984,695; Dec. 18.
- Olley, Maurice. (See Thompson, E. A., and Olley.)
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric hand lamp. 1,972,790; Sept. 4.
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Explosionproof switch box. 1,977,010; Oct. 16.
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Explosionproof conduit outlet box and switch unit. 1,977,891; Oct. 23.
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric fitting for conduit outlet boxes. 1,978,882; Oct. 30.
- Ollinger, William J., New York, and C. Niedhammer, Sunnyside, N. Y. Sizing or stiffening machine. 1,947,057; Feb. 13.
- Ollinger, William J., New York, and R. Musyl, Little Neck, N. Y. Hat sizing machine. 1,952,773; Mar. 27.
- Ollis, Harry F., assignor of one-half to D. F. Shaughnessy, Ashland, Mass. Chair seat. 1,961,641; June 5.
- Olm, Oscar J., Minneapolis, assignor to Quality Park Envelope Co., St. Paul, Minn. Making expanding wallets, files, and portfolios. 1,968,165; July 31.
- Olmo, Enrico, Milan, Italy. Submarine barrier and launching and arming means therefor. 1,956,333; Apr. 24.
- Olmstead, Wilbur E., assignor to W. E. Hatheway, Bridgeport, Conn. Webbing buckle. 1,944,453; Jan. 23.
- Olney, George J., Westernville, N. Y. Can separating and feeding machine. 1,954,944; Apr. 17.
- Olney, George J., Westernville, N. Y. String bean cleaner. 1,962,668; June 12.
- Olney, George J., Westernville, N. Y. Gravity operating device for sorting fruits or vegetables. 1,963,671; June 19.
- Olphin, Henry C. (See Kirk, E. W., Olphin, and Ellis.)
- Olpin, Albert R., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 1,948,941; Feb. 27.
- Olpin, Henry C. (See Ellis, G. H., Ockman, and Olpin.)
- Olpin, Henry C. (See Ellis, G. H., and Olpin.)
- Olpin, Henry C. (See Ellis, G. H., Olpin, and Kirk.)
- Olpin, Henry C. (See Hall, H., Olpin, Reeves, and Kirk.)
- Olpin, Henry C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of new dyestuffs and the application thereof. 1,970,246; Aug. 14.
- Olschlager, John. (See Schreiber L., and Olschlager.)
- Olsen, Alfred G., Elkhorn, Wis. Shrinking wood. 1,981,567; Nov. 20.
- Olsen, Andrew, Jr. (See Robinson, R. W., and Olsen.)
- Olsen, Anton M. (See Engbrecht, G. C., and A. J. and A. M. Olsen.)
- Olsen, Arthur, San Bernardino, Calif. Valve grinding tool. 1,959,838; May 22.
- Olsen, Arthur J. (See Engbrecht, G. C., and A. J. and A. M. Olsen.)
- Olsen, Carl A., assignor to Toplifter, Inc., Lynn, Mass. Heel lift machine. 1,945,864; Feb. 6.
- Olsen, Carl E., and E. H. Lindstrom, Chicago, Ill. Outlet box. 1,957,844; May 8.
- Olsen, Clair A., and L. L. Schmidt, Burlington, Iowa. Game apparatus. 1,946,232; Feb. 6.
- Olsen, Corey J. B., and G. F. Lincks, Pittsfield, Mass., assignors to General Electric Company. Electric switch. 1,973,265; Sept. 11.
- Olsen, Friedrich. (See Seavey, F. R., Phillips, and Olsen.)
- Olsen, Friedrich, Alton, Ill., assignor, by mesne assignments, to The Cellulose Research Corporation. Preparing cellulose. 1,979,341; Nov. 6.
- Olsen, Henry, Minneapolis, Minn. Coin controlled dispensing apparatus. 1,960,546; May 29.
- Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt fastener. 1,970,618; Aug. 21.
- Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Hinged fastening. 1,975,862; Oct. 9.
- Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Hinged fastening. 1,976,458; Oct. 9.
- Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Oil seal. 1,977,081; Oct. 16.
- Olsen, Marlow W., Harlan, Iowa, and H. T. Baker, New Brunswick, N. J. Turning eggs during the incubation of the same. 1,982,827; Dec. 4.
- Olsen, Oleander L., Fairview, Mont. Valve actuating mechanism. 1,944,826; Jan. 23.
- Olsen, Reuben A., Excelsior, Minn. Hair drier. 1,976,509; Oct. 9.
- Olsen, Tinius, Testing Machine Company. (See Lewis, Robert B., assignor.)
- Olsen, William, Norfolk, Va. Tethered projectile device. 1,963,311; June 19.
- Olson, Alex H. (See Droll, J. W., and Olson.)
- Olson, Alex H., assignor to Droll Patents Corporation of Delaware, Chicago, Ill. Mattress tufting apparatus. 1,962,209; June 12.
- Olson, Andrew, Port Allegheny, Pa. Bottle transfer apparatus. 1,979,763; Nov. 6.
- Olson, Anton J., Pomona, Calif. Cable clamp. 1,973,502; Sept. 11.
- Olson, Axel H., and Sten D. Vigren, Stockholm, Sweden. Arrangement relating to automatic telephone systems. 1,944,570; Jan. 23.
- Olson, Bennett, Barrett, Minn. Can sterilizer and cleaner. 1,954,222; Apr. 10.
- Olson, Carl, Cherry Grove, Oreg. Poppet valve for internal combustion engines. 1,975,699; Oct. 2.
- Olson, Carl A., assignor to Lisle Corporation, Clarinda, Iowa. Cylinder ridge reamer. 1,980,288; Nov. 13.
- Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer and making same. Re19,116; Mar. 13.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Making lock washers. 1,963,027; June 12.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Lock washer and making same. 1,963,028; June 12.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Lock washer. 1,963,800; June 19.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Lock washer. 1,977,602; Oct. 16.
- Olson, Charles A., Geneva, assignor to Crane Co., Chicago, Ill. Humidifier. 1,976,364; Oct. 9.
- Olson, Charles A., J. P. Magos, and M. W. McRae, assignors to Crane Co., Chicago, Ill. Air conditioning unit. Des. 91,838; Mar. 27.
- Olson, Charles A., Geneva, and J. P. Magos, assignors to Crane Co., Chicago, Ill. Boiler. 1,964,074; June 26.
- Olson, Charles B., Pittsfield, Mass., assignor to Mergenthaler Linotype Company. Treating metal parts to prevent adhesion of molten metal and composition of matter employed therein. 1,951,945; Mar. 20.
- Olson, Charles S., Duluth, Minn. Dispenser. 1,967,448; July 24.
- Olson, Charles W., Cleveland Heights, Ohio. Motor-operated chuck. 1,974,249; Sept. 18.
- Olson, Charles W., Cleveland Heights, Ohio. Collet chuck. 1,981,660; Nov. 20.
- Olson, Clarence T., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 1,975,170; Oct. 2.
- Olson, Edgar T., New York, N. Y., and R. H. Twining, Marquette, Mich., assignors to The Cleveland Cliffs Iron Company, Cleveland, Ohio. Making alkali metal alcohols. 1,978,647; Oct. 30.
- Olson, Edward A., East Orange, N. J. Envelope. 1,985,103; Dec. 18.
- Olson, Emil, New York, N. Y. Safety device on gas stoves. 1,956,514; Apr. 24.
- Olson, Glen J. (See Graham, W. S. and Olson.)
- Olson, Glen J., Canton, Ill., assignor to International Harvester Company. Tractor lister cultivator. 1,967,321; July 24.
- Olson, Gordon L., Arlington, Mass. Hot handle holder. 1,976,411; Oct. 9.
- Olson, Gunar. (See Vaughan, H. A., Olson, and Erickson.)
- Olson, Gunner, Chicago, Ill. Electric plug. 1,971,619; Aug. 28.
- Olson, Gustaf H., and H. N. Ekhom, assignors to Link-Belt Company, Chicago, Ill. Tripping mechanism for excavating machines. 1,977,287; Oct. 16.
- Olson, Gustave J., Hastings, Neb. Interchangeable house number. 1,943,740; Jan. 16.
- Olson, Harry F., Collingswood, N. J., assignor to Radio Corporation of America. Acoustic device. 1,984,542; Dec. 18.
- Olson, Harry F., Collingswood, and J. Weinberger, Hadonfield, N. J., assignors to Radio Corporation of America. Sound pick-up device. Re19,115; Mar. 13.
- Olson, John, Brooklyn, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Muffler. 1,983,304; Dec. 4.
- Olson, John, St. Paul, Minn. Laminated paper container. 1,979,992; Nov. 6.
- Olson, John, administrator. (See Hentschel, Ernest R.)
- Olson, John A., Cleveland, Ohio. Shaft packing. 1,958,246; May 8.
- Olson, John B. (See Shodron, J. G., Olson, and Wand-schnieder.)
- Olson, John O., St. Paul, Minn. Heat exchanger. 1,966,559; July 17.
- Olson, John O., St. Paul, Minn. Blow torch. 1,971,273; Aug. 21.

- Olson, Knut W., Everett, Wash. Folding chair. 1,957,286; May 1.
- Olson, Olof F. (See Bark, W., and Olson.)
- Olson, Olof F., Gary, Ind., assignor to National Tube Company. Mandrel rod supports. 1,950,929; Mar. 13.
- Olson, Raymond E., assignor to Taylor Instrument Companies, Rochester, N. Y. Heat regulator for heat exchange systems. 1,977,738; Oct. 23.
- Olson, Raymond E., and C. D. De Mers, assignors to Taylor Instrument Companies, Rochester, N. Y. Method and apparatus for controlling temperatures. 1,953,721; Apr. 3.
- Olson, Robert C., Dayton, assignor to A. J. Gabriel, S. L. Parry, and R. C. Olson, a copartnership doing business as The Perfection Battery Terminal Company, Cleveland, Ohio. Self-opening screw and washer for battery terminals. 1,960,593; May 29.
- Olson, Samuel, Oak Park, Ill. assignor, by mesne assignments, to G & G Atlas Systems, Inc., New York, N. Y. Control device for pneumatic dispatch tube apparatus. 1,944,863; Jan. 23.
- Olson, Sixten J. (See Lofquist, B. M., and Olson.)
- Olson, Waldemar N. (See Laib, W. L., and Olson.)
- Olson, Waldemar N., Brookfield, assignor to Reynolds Electric Company, Chicago, Ill. Electrical flasher. 1,977,953; Oct. 23.
- Olsson, Anders H., Lidköping, Sweden. Device for producing undercut saw teeth or the like. 1,954,535; Apr. 10.
- Olsson, John T., Bollnas, assignor to Stockholms Superfosfat Fabriks Aktiebolag, Stockholm, Sweden. Treating wood for protecting the same from bluing. 1,965,508; July 3.
- Olshewski, Edward, Detroit, Mich. Picture frame. Des. 92,267; May 15.
- Oltarsh, J. (See D'Armon, Hazel, assignor.)
- Oltarsh, J. (See Derriey, Lizzie, assignor.)
- Oltarsh, J. (See Grossman, Helen, assignor.)
- Oltarsh, J. (See Grulich, Anton, assignor.)
- Oltarsh, J. (See Guhl, Maelyn, assignor.)
- Oltarsh, J. (See Laun, Henri J., assignor.)
- Oltarsh, J. (See Lesser, Paul, assignor.)
- Oltarsh, J. (See Little, John B., assignor.)
- Oltarsh, J. (See Martin, José, assignor.)
- Oltarsh, J. (See Megroz, Roger, assignor.)
- Oltarsh, J. (See Reiman, Paul, assignor.)
- Oltarsh, J. (See Schwartz, Peter S., assignor.)
- Oltarsh, J. (See van der Does, Jean, assignor.)
- Oltarsh, J. (See Von Eisenbarth, August, assignor.)
- Oltarsh, J. (See Wilhelm, William, assignor.)
- Oltersdorf, Hermann, Niesky, Germany. Spring structure. 1,954,945; Apr. 17.
- Olund, Charles J. (See Sjödin, A., Olund, and Moody.)
- Oltwig, Bruno, Milwaukee, Wis. Bottle stopper. Des. 92,365; May 29.
- Olympic Industrial Corporation, The. (See Lees, Kenneth F., assignor.)
- O'Malley, Edward W., Chicago, Ill. Valve structure. 1,952,726; Mar. 27.
- O'Malley, Edward W., Chicago, Ill. Valve seat. 1,962,520; June 12.
- Oman, Clifford L., Dallas, Wis. Screen for automobile windows. 1,969,521; Aug. 7.
- Oman, Erik, Stocksund, and S. H. Ledin, Stockholm, Sweden. Distilling nonmiscible substances in columns. 1,942,767; Jan. 9.
- Omansky, Morris, Boston, Mass., assignor to E. W. Colledge General Sales Agent, Inc., Jacksonville, Fla. Moldable composition. 1,969,146; Aug. 7.
- O'Marra, Martin, New York, N. Y. Spark plug. 1,963,801; June 19.
- O'Marra, Martin, New York, N. Y. Spark plug. 1,985,192; Dec. 18.
- O'Meara, Thomas, Cincinnati, Ohio. Fabric lathing for concrete surfaces. 1,967,968; July 24.
- Omo Aktiengesellschaft. (See Kuttner, Julius, assignor.)
- Omo Aktiengesellschaft. (See Oberhaensli, Friedrich, assignor.)
- Omsted, Kaare. (See Thompson, A. R., and Omsted.)
- Omsted, Kaare, Oslo, Norway. Opening device for cans. 1,961,909; June 5.
- Ondricek, Adolph, Astoria, Long Island, N. Y. Combination receptacle. 1,981,604; Nov. 20.
- Ondryska, Paul J., et al. (See Calkins, Leslie B., assignor.)
- O'Neal, Harvey, E., et al. (See Hauser, D. A., and Reels, assignors.)
- Oneida Community, Limited. (See Allen, G. N., Fleming, and Resseger, assignors.)
- Oneida Community, Limited. (See Allen, G. N., and Parker, assignors.)
- Oneida Community, Limited. (See Allen, G. N., Parker, and Resseger, assignors.)
- Oneida Community, Limited. (See Gray, Daniel, assignor.)
- Oneida Community, Limited. (See Gray, D., and Murray, assignors.)
- Oneida Community, Limited. (See Keitel, Otto, assignor.)
- Oneida Community, Limited. (See Murray, W. S., and Gray, assignors.)
- Oneida Community, Limited. (See Thurber, A. E., and Sholtz, assignors.)
- Oneida Paper Products Incorporated. (See Jaeger, Edward T., assignor.)
- O'Neill, Daniel J. (See Gordon, W. A., and O'Neill.)
- O'Neill, Elizabeth M. (See Mills, Melvin A., assignor.)
- O'Neil, Fred E., and J. F. Callahan, Niagara Falls, N. Y., assignors to Acheson Graphite Company. Electric furnace. 1,947,793; Feb. 20.
- O'Neil, Harry J., Buffalo, N. Y. Free hand sketching apparatus. 1,971,119; Aug. 21.
- O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Rip strip key and attaching means for containers. 1,979,171; Oct. 30.
- O'Neil, James R., San Francisco, Calif. Spinning rope. 1,942,768; Jan. 9.
- O'Neil, James R., San Francisco, Calif. Miniature spinning rope. 1,953,565; Apr. 3.
- O'Neil, James T. (See Griffin, R. L., and O'Neil.)
- O'Neil, John. (See Lacey, Wallace E., assignor.)
- O'Neill, Arthur M., New York, N. Y. Radio control device. 1,966,184; July 10.
- O'Neill, Edward J., Syracuse, N. Y. Cutting device. 1,947,355; Feb. 13.
- O'Neill, Frank, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,981,244; Nov. 20.
- O'Neill, George D., Beverly, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electrical apparatus. 1,950,456; Mar. 13.
- O'Neill, George G., St. Clair Shores, Mich. Automobile. 1,958,169; May 8.
- O'Neill, Henry W., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,961,385; June 5.
- O'Neill, Herbert W., Berlin, assignor to The Stanley Chemical Co., East Berlin, Conn. Wearing apparel and producing the same. 1,956,727; May 1.
- O'Neill, James A., Lynn, Mass., assignor to General Electric Company. Lighting fixture. 1,965,428; July 3.
- O'Neill, James J., Oakland, Calif. Piston ring sizing machine. 1,979,637; Nov. 6.
- O'Neill, William, New York, N. Y. Automatic control system for motion picture machines. 1,965,254; July 3.
- O'Neill, William F. (See Finebrock, T. P., and O'Neill.)
- One Minute Washer Company. (See Weisbrod, Carl C., assignor.)
- Onions, Herbert J., Warren, Pa., assignor to De Luxe Metal Furniture Company. Shelving. 1,984,080; Dec. 11.
- Onstad, Albert H., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Bark removing machine. 1,956,653; May 1.
- Ontario Manufacturing Company. (See Downs, Marwood A., assignor.)
- Ontario Manufacturing Company. (See Moon, Charles R., assignor.)
- Ontario Research Foundation. (See Hall, Robert O., assignor.)
- Oosterhout, Johan C. D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Desulphurizing recovered petroleum phenols. 1,982,120; Nov. 27.
- Oosterhuis, Ekko. (See Alexander, J. W., and Oosterhuis.)
- Oosterhuis, Ekko, et al. (See Bruijnes, J., Mulder, and Oosterhuis.)
- Oosterhuis, Ekko. (See Groeneveld, Y. B. F. J., and Oosterhuis.)
- Oosterhuis, Ekko. (See Unk, J. M., van Gessel, and Oosterhuis.)
- Oosterhuis, Ekko, Eindhoven, Netherlands, assignor to General Electric Company. Device comprising a gas filled electric discharge tube. 1,951,106; Mar. 13.
- Oosterhuis, Ekko, and C. H. Morel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Distortionless amplifier. 1,962,458; June 12.
- Open Hearth Combustion Company. (See Boynton, Arthur J., assignor.)
- Opferman, Joseph S., Oakwood Heights, assignor to Ganger, Inc., Manhattan, N. Y. Chair back. Des. 93,885; Nov. 20.
- Opibus, Fred, Brooklyn, N. Y. Refrigerating rooms and buildings. 1,947,223; Feb. 13.
- Opie, Ernest J. (See Kelch, W. W., Opie, and Ziesenheim.)
- Opitz, Fred M., assignor to Hexcel Radiator Company, Milwaukee, Wis. Radiator core and making same. 1,954,946; Apr. 17.
- Opitz, Fred M., assignor to Hexcel Radiator Company, Milwaukee, Wis. Radiator core and making same. 1,959,637; May 22.
- Opitz, Horwart. (See Wallichs, A., and Opitz.)
- Opolo, Charles, Culver City, Calif. Double action axle. 1,978,114; Oct. 23.
- Oppenheim, René, assignor to Société Anonyme le Carbone, Gennevilliers, France. Converting by catalysts mineral and vegetable oils. 1,960,951; May 29.
- Oppenheim, René, assignor to Société Anonyme le Carbone, Gennevilliers, France. Apparatus for catalyzing oil. 1,974,722; Sept. 25.
- Oppenheim, Theodore H., Coldwater, Ohio, assignor to The New Idea Spreader Company. Rake mechanism. 1,978,717; Oct. 30.
- Oppenheimer Casing Company. (See Oppenheimer, Seymour, assignor.)
- Oppenheimer, Charles H., Shaker Heights, assignor to Enterprise Electric Lighting Fixtures, Inc., Cleveland, Ohio. Lighting fixture. 1,950,622; Mar. 18.
- Oppenheimer, Charles H., Shaker Heights, assignor to Enterprise Electric Lighting Fixtures, Inc., Cleveland, Ohio. Floodlight. 1,962,907; June 12.
- Oppenheimer, Julius P. L., Bridgeport, Conn. Razor blade hone. 1,975,284; Oct. 2.

- Oppenheimer, Seymour, assignor to Oppenheimer Casing Company, Chicago, Ill. Marking sausage casings. 1,958,588; May 15.
- Opperman, Emil L., assignor to Eastman Kodak Company, Rochester, N. Y. Guide means for a receptacle in photographic apparatus. 1,950,904; Mar. 13.
- Opperman, Emil L., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture apparatus. 1,969,474; Aug. 7.
- Opperman, Emil L., assignor to Eastman Kodak Company, Rochester, N. Y. Film gate for motion picture apparatus. 1,969,475; Aug. 7.
- Optimit Gumoré a Textilni Zavody Akciová Společnost. (See Popper, Alfred, assignor.)
- Orange-Crush Company. (See Bost, William D., assignor.)
- Oranienburger Chemische Fabrik Aktiengesellschaft. (See Lindner, Kurt, assignor.)
- Oravec, Stephen A., and M. J. Shedlock, Detroit, Mich. 1,944,264; Jan. 23.
- Orbellani, Roman, New York, N. Y. Coat. 1,969,989; Aug. 14.
- Orchard, William J., Maplewood, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Diffuser. 1,942,659; Jan. 9.
- Ord, Percy R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film gate. 1,957,904; May 8.
- Orde, Giffrey P., assignor of one-tenth to Sky Publicity Limited, and nine-tenths to W. F. E. Briggs, London, England. Optical projection apparatus. 1,975,017; Sept. 25.
- Ordin, Jack B. (See Ordin, P. H. and J. B.)
- Ordin, Jack B. and P. H., Los Angeles, Calif. Beauty shop sign. Des. 94,159; Dec. 25.
- Ordin, Philip H. (See Ordin, Jack B. and P. H.)
- Ordin, Philip H. and J. B., Los Angeles, Calif. Hair drying apparatus. Des. 93,358; Sept. 18.
- O'Reilly, John J., Woodside, Long Island, N. Y. Concrete, masonry, and steel construction. 1,943,036; Jan. 9.
- O'Reilly, John J., Woodside, N. Y. Concrete, masonry, and steel construction. 1,952,887; Mar. 27.
- Orelup, John W., Summit, N. J. Sulphated condensation products of fatty acids and monoethanolamine. 1,981,792; Nov. 20.
- Orem, William H. (See Kniesche, Harry F., assignor.)
- Orenda Corporation. (See Foone, Albert E. F., assignor.)
- Orenda Corporation. (See Leonard, Arthur G., Jr., assignor.)
- Orenda Corporation. (See Moone, Albert E. F., assignor.)
- Orenstein & Koppel Aktiengesellschaft. (See Meyer, Karl, assignor.)
- Orfanos, George J., assignor to T. P. Astrinidis, T. Kallimeris, and P. Theodorou, Chicago, Ill. Fruit juice extractor. 1,977,011; Oct. 16.
- Orgen, Michael, New York, N. Y. Chimney damper. 1,960,825; May 29.
- Original Copywriter Company. (See Thornblade, Carl H., assignor.)
- Orioli, Ernesto, Milan, Italy, assignor to Ruth-Aldo Company, Incorporated, New York, N. Y. Nozzle intended for spinning artificial silk. 1,944,298; Jan. 23.
- Orioli, Ernesto, Milan, Italy, assignor to Ruth-Aldo Company, Inc. Process and apparatus for dry spinning artificial silk. 1,944,299; Jan. 23.
- Orlow, Ernest M., Wauwatosa, Wis. Lawn tool. 1,951,061; Mar. 13.
- Ormsbee, Arnold L., Lodi, Calif. Flushing attachment for operating tables. 1,960,392; May 29.
- Ormsby, Leslie E. (See Ormsby, Roy E., and L. E.)
- Ormsby, Roy E., Wakefield, and L. E. Ormsby, Watertown, Mass. Housed rearing. 1,943,693; Jan. 16.
- Ornitz, Nathaniel B., Pittsburgh, assignor to National Alloy Steel Company, Blawnox, Pa. Method and apparatus for treating sheets. 1,951,766; Mar. 20.
- Ornsteln, Ernst, Brunn, Czechoslovakia. Loom. 1,950,323; Mar. 6.
- OrNSTein, Georg, Berlin, Germany. Water treatment. 1,944,803; Jan. 23.
- OrNSTein, Georg, Berlin, Germany. Method and device for purifying aqueous liquids by treatment with chlorine. 1,944,804; Jan. 23.
- OrNSTein, Georg, Berlin, Germany. Making aqueous solutions of chlorine. 1,962,571; June 12.
- OrNSTein, Otto, Berlin-Lichterfelde-Ost, assignor to the firm Aktiengesellschaft Chemischer Werte, Berlin, Germany. Disinfecting and sterilizing liquids and the like. 1,956,728; May 1.
- OrNSTon, Sidney J., assignor to The Wire & Steel Products Co., Inc., Brooklyn, N. Y. Sealing tool. 1,972,236; Sept. 4.
- Orosz, John. (See Brosilow, L., Markoff, and Orosz.)
- O'Rourke, John F., New York, N. Y. Submarine airlock. 1,948,934; Feb. 27.
- O'Rourke, John F., New York, N. Y. Mold for the manufacture of concrete blocks. 1,976,627; Oct. 9.
- O'Rourke, John F., New York, N. Y. Curved tunnel construction and producing same. 1,976,628; Oct. 9.
- Orozco, Gilbert H., East Cleveland, assignor to The Chandler Chemical Company, Cleveland, Ohio. Treating metal during cold rolling. 1,982,065; Nov. 27.
- Orr, Adele M., et al., executors. (See Orr, William V.)
- Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Six wheel truck. 1,981,118; Nov. 20.
- Orr, Clifford B., assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle tire. 1,948,311; Feb. 20.
- Orr, Howard H., Cleveland, Ohio. Valve bag and making the same. 1,985,326; Dec. 25.
- Orr, Mark P. (See Gill, D. W., Orr, and Taylor.)
- Orr, William V., deceased, Cleveland, Ohio, The Cleveland Trust Company and A. M. Orr, executors. Vacuum cleaner dust bag. 1,953,189; Apr. 3.
- Orrell, Jay C., Chicago, Ill. Floor and roof construction. 1,978,585; Oct. 30.
- Orser, Samuel D., assignor of one-fourth to C. P. Long, sr., Tupelo, Miss. Piston expander. 1,956,454; Apr. 24.
- Orström, Gustaf, Alsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Machine for packaging cigarettes and other staff-shaped articles. 1,966,995; July 17.
- Ort, William, Wichita Falls, Tex. Plaque or similar article. Des. 93,670; Oct. 23.
- Orth, Richard, Philadelphia, Pa., assignor to Gill Glass & Fixture Company. Lighting fixture. 1,977,401; Oct. 16.
- Orth, William G. (See O'Connor, T., and Orth.)
- Orth, William G., and T. O'Connor, assignors to Ohmer Fare Register Company, Dayton, Ohio. Lock for register flash mechanism. 1,942,615; Jan. 9.
- Orthner, Ludwig. (See Zaucker, E., Orthner, and Bogemann.)
- Orthner, Ludwig, Leverkusen-on-the-Rhine, and Max Bögemann and T. Weigel, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. New rubber preserving media. 1,970,972; Aug. 21.
- Ortmeier, Hermann, Berlin, Germany. Installation for recooling the cooling air in circulating air cooling installations. 1,945,619; Feb. 6.
- Orton, Julian R., Cincinnati, and E. W. Fuerst, Toledo, assignors to The Tom Collins Corporation, Cincinnati, Ohio. Bottle. Des. 93,787; Nov. 6.
- O'Russa, Lorence, Princeville, assignor to Mathias Klein & Sons, Chicago, Ill. Wire splicing tool. 1,963,144; June 19.
- O'Russa, Lorence, Princeville, assignor to Mathias Klein & Sons, Chicago, Ill. Wire splicing tool. 1,966,593; July 17.
- Orvis, William, Mountain Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic separator. 1,962,358; June 12.
- Osann, Frederick, Company. (See McCann, Michael, assignor.)
- Osann, Frederick, Company. (See Plumley, Raymond L., assignor.)
- Osborn, Alden E., New York, N. Y. Protector. 1,949,431; Mar. 6.
- Osborn, Alden E., New York, N. Y., assignor to Radio Corporation of America. Tuning indicator. 1,955,085; Apr. 17.
- Osborn, Henry C., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Adjusting printing rollers. 1,949,432; Mar. 6.
- Osborn, Henry C., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Accounting system. 1,979,283; Nov. 6.
- Osborn, Henry C., Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del. Addressing machine. 1,981,001; Nov. 20.
- Osborn, Irwin S., Cleveland Heights, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Incinerating plant. 1,974,250; Sept. 18.
- Osborn Manufacturing Co., The. (See Bickel, Frederic J., assignor.)
- Osborn Manufacturing Company, The. (See Frost, Clinton E., assignor.)
- Osborn Manufacturing Company, The. (See Oyster, Earl F., assignor.)
- Osborn Manufacturing Company, The. (See Spikerman, F. T., and Oyster, assignors.)
- Osborn Omer, Los Angeles, Calif. Cutting and wrapping device. 1,970,183; Aug. 14.
- Osborn, Robert T., Richmond, and R. Craig, Oakland, assignors to Standard Oil Company of California, San Francisco, Calif. Producing sulphonic acids and sulphates. 1,955,859; Apr. 24.
- Osborn, Roy T., et al. (See King, George W., assignor.)
- Osborne, Frank W. (See McLoughlin, H. F., and Osborne.)
- Osborne, Harold A., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welting. 1,944,805; Jan. 23.
- Osborne, Herbert A., Brookville, Pa. Spacer for joints in wall construction. 1,943,485; Jan. 16.
- Osborne, John F., Upper Darby, Pa. Protector for cable splices. 1,977,774; Oct. 23.
- Osborne, Melvin M., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Making tubes. 1,971,829; Aug. 28.
- Osborne, Ralph W., Toronto, Ontario, Canada. Telephone. 1,954,547; Apr. 10.
- Osborne, Stafford L. (See Neymann, C. A., and Osborne.)
- Osbrink, Raymond H., Los Angeles, Calif. Game board. Des. 93,671; Oct. 23.
- Osbrink, Raymond H., Los Angeles, Calif. Traffic marker. 1,966,678; July 17.
- Oscar, Harry, New York, N. Y. Paint brush and container. 1,959,441; May 22.

- Osenberg, Carl, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Indirectly heated elastic fluid generating arrangement. 1,959,214; May 15.
- Oser, Alfred, Vienna, Austria. Apparatus for mounting samples on cards and the like. 1,943,390; Jan. 16.
- Oser, Alfred, Vienna, Austria. Apparatus for multiplying records. 1,982,017; Nov. 27.
- Oser, L. (See Strongson, Herman L., assignor.)
- Osgood, Arthur B., assignor to The Day Company, Minneapolis, Minn. Dust collecting apparatus for belt conveyers. 1,963,375; June 19.
- Osgood, Austin H. (See Maness, L. G. and Osgood.)
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,966,131; July 10.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Loading machine. 1,966,459; July 17.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,968,054; July 31.
- Osgood, Charles F., assignor to Sullivan Machinery Company, Claremont, N. H. Mining apparatus. 1,981,745; Nov. 20.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,981,746; Nov. 20.
- Osgood, Edward C., Aberdeen, Md. Green corn knife. 1,973,672; Sept. 11.
- Osgood, George H. (See Peterson, Russell G., assignor.)
- Osgood, George H., Tacoma, Wash. Glue. 1,950,060; Mar. 6.
- Osgood, George H., Tacoma, Wash. Barrel. 1,954,095; Apr. 10.
- Osgood, George H., Tacoma, Wash. Making crossing sheets of plywood panels. 1,977,199; Oct. 16.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,958,441; May 15.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling means. 1,969,759; Aug. 14.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,971,351; Aug. 28.
- Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Seam pressing machine. Re19,319; Sept. 18.
- Osherman, Jack, and C. H. Marsh, said Osherman assignor to C. F. Lehnkering, Los Angeles, Calif. Stacking loaded butter cube plates. 1,944,827; Jan. 23.
- Oshkosh Trucks, Inc. (See Wintz, William, assignor.)
- Osius, Erwin. (See Breuer, A., and Osius.)
- Osler, Harold C., et al. (See Harris, George J., assignor.)
- Oslund Brothers Machine Company, The. (See Oslund, Walter W., assignor.)
- Oslund, Walter W., Holden, Mass. Label wiping mechanism. 1,958,111; May 8.
- Oslund, Walter W., assignor to The Oslund Brothers Machine Company, Incorporated, Holden, Mass. Automatic machine. 1,977,893; Oct. 23.
- Osman, Ralph T., assignor to Koehring Company, Milwaukee, Wis. Traction belt for tractors. 1,943,141; Jan. 9.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning coil. 1,959,543; May 22.
- Osnos, Mendel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. Temperature control of piezo-electric crystal holders. 1,962,210; June 12.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Constant voltage system. 1,963,243; June 19.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Induction having a self-inductance independent of temperature. 1,967,589; July 24.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezo electric crystal. 1,967,839; July 24.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Crystal frequency adjustment. 1,968,617; July 31.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Rectifier. 1,975,647; Oct. 2.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency coupling apparatus. 1,981,066; Nov. 20.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variably tuned piezo-electric resonator. 1,984,424; Dec. 18.
- Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Varying radio frequency. 1,985,104; Dec. 18.
- Osnos, Mendel, and R. Bechmann, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. Piezo-electric crystal apparatus. 1,962,211; June 12.
- Osplack, Joseph J., Detroit, Mich. Angle tangent to radius dresser. 1,961,242; June 5.
- Osse, Johannes A. F., Sheldon, Iowa. Device for spreading and enlarging motor pistons. 1,944,947; Jan. 30.
- Ossenbeck, Anton, Cologne-Mulheim, and E. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-methylaminobenzeno-1-carboxylic acid-4-sulphonic acid. 1,960,644; May 29.
- Osswald, Philipp, Hofheim-on-Taunus, and O. Scherer, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing pure hydrogen fluoride. 1,960,347; May 29.
- Osten, Joseph W., Chicago, Ill. Removable top for rumble seats for automobiles. 1,953,770; Apr. 3.
- Oster, John, assignor to John Oster Manufacturing Co., Racine, Wis. Hair clipper. 1,956,042; Apr. 24.
- Oster, John, Manufacturing Co. (See Oster, John, assignor.)
- Oster Manufacturing Company, The. (See Hyde, Ralph E., assignor.)
- Oster Manufacturing Company, The. (See Maurer, Harry A.)
- Osterberg, Gotthard S., Detroit, assignor to R. Suczek, Grosse Pointe Park, Mich. Internal combustion engine. 1,977,200; Oct. 16.
- Osterberg, Gustav M., Harrington Park, N. J. Rail oiler. 1,944,666; Jan. 23.
- Osterholm, William C., Oak Park, Ill. Grinding machine. 1,972,160; Sept. 4.
- Osterholm, William C., Oak Park, Ill. Clutch. 1,980,289; Nov. 13.
- Osterman, Philip C., Elizabeth, N. J. Carburizing. 1,974,541; Sept. 25.
- Osterman, Samuel, Brooklyn, N. Y., assignor to Guth, Stern & Co. Inc. Electric flash lamp. 1,980,351; Nov. 13.
- Ostermann, Rudolf M., Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y. Preheating boiler feed-water. 1,957,552; May 8.
- Ostermann, Rudolf M., Kenilworth, and S. A. Sheridan, Chicago, Ill., assignors to The Superheater Company, New York, N. Y. Feeding water to boilers. 1,957,553; May 8.
- Ostermann, Walter, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Production of artificial silk. 1,979,403; Nov. 6.
- Ostermeier, Johann B., Mering, near Augsburg, assignor to Hauser & Co. G. m. b. H., Augsburg, Germany. Method of and apparatus for searching for ores. 1,966,105; July 10.
- Ostermeier, Johannes, Althegnenberg, Germany, assignor, by mesne assignments, to General Electric Company. Photoflash device. 1,983,394; Dec. 4.
- Ostern, Pawel E., Lwow, Poland, assignor to Chemische und Pharmazeutische Fabrik Dr. Georg Henning, Berlin-Tempelhof, Germany. Manufacture of adenosine phosphoric acid. 1,977,525; Oct. 16.
- Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Producing an aromatic lubricating oil. 1,955,596; Apr. 17.
- Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Producing lubricating oil. 1,973,824; Sept. 18.
- Osterstrom, Rudolph C., and C. R. Wagner, assignors to The Pure Oil Company, Chicago, Ill. Treating slop wax distillate. 1,967,099; July 17.
- Ostertag, Julius, Stuttgart, Germany. Marine power plant. 1,953,087; Apr. 3.
- Ostertag, Ruben M., Clayton, Mo. Constructing a lens mounting. 1,969,029; Aug. 7.
- Ostlind, Oscar J., Marshfield, Oreg. Self-grinding valve. 1,977,892; Oct. 23.
- Ostling, Carl A., and J. J. McEwan, Pontiac, assignors to Morgan & Wright, Detroit, Mich. Method and apparatus for manufacturing tires. 1,964,363; June 26.
- Ostling, Carl A., New York, N. Y., and F. Zonino, assignors, by mesne assignments, to Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Footwear manufacture. 1,976,365; Oct. 9.
- Ostlund, Harry E., assignor to The Heald Machine Company, Worcester, Mass. Hydraulic system for automatic machines. 1,962,459; June 12.
- Ostlund, Lester R., Duluth, Minn. Receptacle filling device. 1,964,645; June 26.
- Östman, Carl J., Stockholm, Sweden. Hand wind gauge. 1,967,449; July 24.
- Ostrander, Arthur J., Woodbury, N. J., assignor to Vacuum Oil Company, Inc., New York, N. Y. Turning mechanism. 1,967,683; July 24.
- Ostrander, Frank, London, England. Holder or stand for pins. 1,965,468; July 3.
- Ostrander, Frank M. (See McMaster, J. W., and Wallace, assignors.)
- Ostrander, William. (See Kindelmann, A., Jones, Pearlman, and Ostrander.)
- Ostroff, Sidney, Lowell, Mass. Rear view mirror for motor vehicles. 1,969,415; Aug. 7.
- Ostrow, Louis, Brooklyn, N. Y. Advertising make-up, follow-up, and lay-out apparatus. 1,979,228; Oct. 30.
- Ostrowski, Michael, Detroit, assignor to V. Galush, Dearborn, Mich. Ash remover. 1,962,521; June 12.
- Ostrowski, Richard C., North Weymouth, Mass. Playing card holder. Des. 93,419; Sept. 25.
- Ostwald, Ulrich, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Planographic printing base and preparing it. 1,943,486; Jan. 16.

- Ostwald, Ulrich, Wiesbaden-Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Laminated material and preparing same. 1,983,870; Dec. 11.
- Ostwald, Ulrich, Wiesbaden-Biebrich, Germany, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Laminating. 1,983,871; Dec. 11.
- Osuch, Francis J., Detroit, Mich. Combined book cover and support. 1,952,140; Mar. 27.
- Osuch, Francis J., Detroit, Mich. Book cover. 1,981,280; Nov. 20.
- Oswald, Alfred E., Hackensack, N. J., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Carriage driving and hammer returning means. 1,985,419; Dec. 25.
- Oswald, André, Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Color photography objective. 1,945,977; Feb. 6.
- Oswald, Earl P., assignor of three fourths to H. Oswald and one fourth to C. E. Wisner, Oak Park, Mich. Induction motor. 1,974,344; Sept. 18.
- Oswald, Harriett, et al. (See Oswald, Earl P., assignor.)
- Oswald, John. (See Schnell, W., and Oswald.)
- Oswald, Otto A. (See Kroger, O. H. A., and Oswald.)
- Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)
- Oswego Falls Corporation. (See La Bombard, L. E., and Quade, assignors.)
- Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
- Oswell, Benjamin M., Los Angeles, Calif. Counter set-up rack. 1,983,187; Dec. 4.
- Otani, Shozaburo, Winters, Calif. Automobile signaling device. 1,951,625; Mar. 20.
- Otavi Minen- und Eisenbahngesellschaft. (See Mayr, Eugen, assignor.)
- Otero, Pedro M., San Juan, P. R. Milk bottle lock. 1,957,610; May 8.
- Otis Elevator Company. (See Andres, Charles M., assignor.)
- Otis Elevator Company. (See Dunn, Edward L., assignor.)
- Otis Elevator Company. (See Graff-Baker, William S., assignor.)
- Otis Elevator Company. (See Larson, David C., assignor.)
- Otis Elevator Company. (See Lewis, J. D., and Bruns, assignors.)
- Otis Elevator Company. (See Lindquist, David L., assignor.)
- Otis Elevator Company. (See Lindquist, D. L., Handy, and Margles, assignors.)
- Otis Elevator Company. (See Lubkin, Samuel, assignor.)
- Otis Elevator Company. (See Norton, Clifford, assignor.)
- Otis Elevator Company. (See Norton, C., and Karmel, assignors.)
- Otis Elevator Company. (See Norton, C., and Tucker, assignors.)
- Otis Elevator Company. (See Prince, Arthur E., assignor.)
- Otis Elevator Company. (See Sanford, Selden B., assignor.)
- Otis Elevator Company. (See Staley, Marcellus, assignor.)
- Otis Elevator Company. (See Yearsley, Eugene W., assignor.)
- Otis, Harry W., South Pasadena, Calif. Vehicle check. 1,966,308; July 10.
- Otis, Herbert C., Shreveport, La. Method of and apparatus for controlling gas wells. 1,949,323; Feb. 27.
- Otis, Herbert C., Shreveport, La. Removable choke. 1,972,791; Sept. 4.
- Otis, Herbert C., Shreveport, La. Well tubing plug. 1,984,230; Dec. 11.
- O'Toole, Edward, sr., Gary, W. Va. Apparatus for dry cleaning of coal. 1,949,324; Feb. 27.
- O'Toole, Edward, sr., Gary, W. Va. Method and apparatus for feeding and separating dry coal from refuse. 1,950,861; Mar. 13.
- O'Toole, Edward, sr., Gary, W. Va. Apparatus for the dry separation of coal and the like. 1,951,705; Mar. 20.
- Ott, Conrad L., assignor to Landis Tool Company, Waynesboro, Pa. Wheel base and work drive control. 1,976,366; Oct. 9.
- Ott, Conrad L., E. P. Wine, and H. E. Balsiger, assignors to Landis Tool Company, Waynesboro, Pa. Wheel dressing mechanism. 1,955,202; Apr. 17.
- Ott, George C., Monroe, Wis. Mail box. 1,949,578; Mar. 6.
- Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Reflecting light. 1,964,075; June 26.
- Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Microscope. 1,968,094; July 31.
- Ott, John E., assignor to Acme Steel Company, Chicago, Ill. Sealing device. 1,984,652; Dec. 18.
- Ott, Karl, Leverkusen-on-the-Rhine, W. Hentrich, Erlangen, and H. Keppler, Cologne-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Aliphatic amine sulphonic acid containing eight or more carbon atoms. 1,944,300; Jan. 23.
- Ott, Marcel, Antibes, France. Bottle. Des. 93,571; Oct. 9.
- Ott, Max. (See Shaw, J., and Ott.)
- Ott, Oran W., Los Angeles, and A. J. Smithers, Alhambra, assignors to Pacific Pipe & Supply Company, Los Angeles, Calif. Water heater. Re19,363; Nov. 6.
- Ott, Percy O., assignor to Racine Tool & Machine Company, Racine, Wis. Rotary pump. 1,965,388; July 3.
- Ott, Thomas O., assignor to Cen-Tennial Cotton Gin Co., Columbus, Ga. Hull extractor. 1,950,061; Mar. 6.
- Ottawa River Paper Company. (See Walker, Walter H., assignor.)
- Otte, Otho M., Tarentum, Pa. Sliding shelf for refrigerators. 1,953,688; Apr. 3.
- Otte, Otho M., Tarentum, Pa., assignor to Allegheny Steel Company. Sliding shelf structure for refrigerators. 1,973,416; Sept. 11.
- Otte, Otho M., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Treating metallic materials. 1,978,219; Oct. 23.
- Otte, Otho M., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Method of and apparatus for treating metallic materials. 1,978,220; Oct. 23.
- Otte, Otho M., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Method of and apparatus for treating metallic materials. 1,978,221; Oct. 23.
- Otte, Otho M., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Method of and apparatus for treating metallic materials. 1,978,222; Oct. 23.
- Otte, Werner F., Passaic, N. J. Container. 1,978,596; Oct. 30.
- Otten, Arthur H., Highland Park, Mich. Collapsible tube. 1,960,393; May 29.
- Ottenstroer, Louis, Newark, N. J. Toothbrush. 1,942,933; Jan. 9.
- Ottermann, Ralph E., assignor to The Pharis Tire and Rubber Company, Newark, Ohio. Tire or similar article. Des. 91,896; Apr. 3.
- Ottersland, Peter N. (See Valentine, C. W., Ottersland, and Fairbanks.)
- Otting, Herbert E., Westerville, Ohio, assignor to M. & R. Dietetic Laboratories, Inc. Manufacture of milk-containing products. 1,966,460; July 17.
- Ottinger, Leon, et al. (See Gage, Edward G., assignor.)
- Ottinger, Nathan, New York, N. Y. Hand bag and similar receptacle. Re19,189; May 29.
- Ottinger, Nathan, New York, N. Y. Shopping bag. 1,953,689; Apr. 3.
- Ottinger, Nathan, New York, N. Y. Fastening means for articles of personal wear. 1,960,165; May 22.
- Ottinger, Nathan, New York, N. Y. Box construction. 1,971,197; Aug. 21.
- Ottinger, Nathan, New York, N. Y. Box construction. 1,971,198; Aug. 21.
- Ottinger, Nathan, New York, N. Y. Expandable container. 1,984,150; Dec. 11.
- Otto, Albartus H. J., and J. F. van Holst, Emmastad, Curacao, Dutch West Indies, assignors to Universal Oil Products Company, Chicago, Ill. Corrosion prevention. 1,968,093; July 31.
- Otto, Albert T., & Sons. (See Ter Meer, Gustav, assignor.)
- Otto, Arthur J., assignor to Johnson Service Company, Milwaukee, Wis. Thermostatic damper control. 1,961,526; June 5.
- Otto, Carl, Essen-Ruhr, Germany. Device for controlling agents of combustion. 1,949,177; Feb. 27.
- Otto, Carl, Essen-Ruhr, Germany. Regenerative coke oven. 1,977,201; Oct. 16.
- Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Temperature control and the like. 1,970,057; Aug. 14.
- Otto, Edgar W., Los Angeles, Calif. Bookbinder. 1,980,630; Nov. 13.
- Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. Des. 91,438; Jan. 30.
- Otto, Ferdinand P., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. Des. 93,034; Aug. 14.
- Otto, Ferdinand P., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. Des. 93,035; Aug. 14.
- Otto, Ferdinand P., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. Des. 93,036; Aug. 14.
- Otto, Fritz, Dusseldorf, Germany. Intermediate connection for baulage cages. 1,957,724; May 8.
- Otto, Josef, Cologne-Lindenthal, Germany. Beater bar mill with two beater bar disks rotating rapidly in opposite directions. 1,947,953; Feb. 20.
- Otto, Wolfgang, and O. Richter, Neumuhlen-Kiel, Germany, assignors to Nederlandsche Technische Handel Maatschappij Giro, The Hague, Netherlands. Gyroscopic compass. 1,962,749; June 12.
- Otto, Wolfgang, Kitzberg, near Kiel, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro", The Hague, Netherlands. Controlling system. 1,981,827; Nov. 20.
- Otwell, Hiram C., San Francisco, Calif. Mounting for aircraft motors. 1,966,309; July 10.
- Otwell, Ralph B., Detroit, Mich. Planting plan and mulch. 1,954,424; Apr. 10.
- Otwell, Ralph B., Detroit, Mich. Seed or embryo plant planting cartridge. 1,959,139; May 15.
- Otwell, Ralph B., Detroit, Mich. Heater for motor vehicles. 1,975,863; Oct. 9.
- Otwell, Ralph B., Detroit, Mich. Heater for motor vehicles. 1,976,086; Oct. 9.
- Oubridge, William A., Coventry, England. Centrifugal casting machine. 1,969,623; Aug. 7.
- Ouellett, Thomas, assignor of twenty-five per cent to G. Petovello, Baldwinton, Saskatchewan, Canada. Boat. 1,960,826; May 29.

- Oulton, Charles B., Attleboro, Mass., assignor to Plastic-Craft Novelty Company, Inc. Bracelet. Des. 93,037; Aug. 14.
- Ousdahl, Adolph. (See Warner, E. T., and Ousdahl.)
- Outboard Motors Corporation. (See Evinrude, Ole, assignor.)
- Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
- Outerbridge, Frank R., and R. Harvey, New York, N. Y., assignors to The Pantasote Leather Company, Passaic, N. J. Textile fabric or similar article of manufacture. Des. 93,284; Sept. 11.
- Oval Match Company. (See Price, W. J., and Anscott, assignors.)
- Oven, Frank J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,957,798; May 8.
- Overbey, Floyd M., Manteno, Ill. Folding chair. 1,943,037; Jan. 9.
- Overbury, Austin A., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,964,211; June 26.
- Overbury, Austin A., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,964,478; June 26.
- Overbury, Frederick C., Hillsdale, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Method and apparatus for making shingle elements. 1,970,431; Aug. 14.
- Overbury, Frederick C., Hillsdale, N. J. Adapter for explosive fluid tanks. 1,982,879; Dec. 4.
- Overdick, Fritz, Leverkeusen/Wiesdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Decomposing thiocyanic acid. 1,984,757; Dec. 18.
- Overhead Door Corporation. (See Johnson, Clarence G., assignor.)
- Overhoff. (See Thieme, Erna, geboren Overhoff.)
- Overholt, Albert L. (See Steiner, F., and Overholt.)
- Overholt, Albert L., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 1,976,087; Oct. 9.
- Overholt, John D., Wooster, Ohio. Chicken brooder house. 1,980,631; Nov. 13.
- Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Corporation, Bethlehem, Pa. Clip or fastener. 1,953,627; Apr. 3.
- Overland Candy Corporation. (See Leaf, Sol S., assignor.)
- Overly, Clarence B. (See Blaskewitz, W., and Overly.)
- Overly, Elmer G., Greensburg, Pa. Window envelope. 1,964,595; June 26.
- Overly, Elmer G., Greensburg, Pa. Window envelope. 1,964,596; June 26.
- Overmier, Emmons, La Grange, and T. E. Rodman, Glencoe, assignors to Maintenance Equipment Company, Chicago, Ill. Guard rail lubricator. 1,577,082; Oct. 16.
- Overmyer, Charles G., Hartford City, Ind. Mail box. 1,959,963; May 22.
- Oversens Machinery Company Proprietary Limited. (See Wakefield, William, assignor.)
- Oversewing Machine Company. (See Gannon, J., Reavis, and Baker, assignors.)
- Overton, Samuel E., South Haven, Mich. Frame. 1,949,081; Feb. 27.
- Ovington, Edward J., Auburndale, assignor of one-half to C. L. Dawes, Cambridge, Mass. Bearing. 1,980,081; Nov. 6.
- Ovington, Edward J., Auburndale, assignor of one-half to C. L. Dawes, Cambridge, Mass. Making bearings. 1,980,082; Nov. 6.
- Owger, Leo, and W. G. Sipple, assignors to The Dayton Punch & Die Company, Dayton, Ohio. Pressure controlled switch. 1,963,864; June 19.
- Owen, Allen F. (See Rose, R. P., and Owen.)
- Owen, Allen F., Glenbrook, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Coated paper. 1,982,018; Nov. 27.
- Owen Automatic Spring Machinery Company, The. (See Owen, David T., assignor.)
- Owen Automatic Spring Machinery Company, The. (See Owen, D. T., and Dietrich, assignors.)
- Owen, David T., Cleveland, Ohio, assignor to The Owen Automatic Spring Machinery Company. Clipping machine. 1,943,546; Jan. 16.
- Owen, David T., Cleveland, Ohio, assignor to The Owen Automatic Spring Machinery Company. Machine for fabricating coiled spring structures. 1,950,188; Mar. 6.
- Owen, David T., and C. Dietrich, Cleveland, Ohio, assignors to The Owen Automatic Spring Machinery Company. Mattress or cushion and spring unit therefor. 1,958,798; May 15.
- Owen-Dyneto Corporation. (See Doman, Albert E., assignor.)
- Owen, Eric W. B. (See Murphy, E. A., and Owen.)
- Owen, Fred E., assignor of one-half to Vierling Steel Works and one-half to Henry Pratt Company, Chicago, Ill. Tank. 1,981,568; Nov. 20.
- Owen, George W., Baltimore, Md. Inkwell or the like. 1,981,281; Nov. 20.
- Owen, John E., Bloomfield, N. J., assignor to Geophysical Research Corporation, New York, N. Y. Surveying subsurface formations. 1,959,004; May 15.
- Owen, Raymond H., assignor of one-half to S. E. Segraves, Luxora, Ark. Wrench. 1,957,905; May 8.
- Owen, Thomas J., Akron, Ohio. Concrete tamping apparatus. 1,945,563; Feb. 6.
- Owen, William Lindwell, assignor to Lacto-Yeast Company, Inc., Baton Rouge, La. Preparation of acidophilus products. 1,980,083; Nov. 6.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass cutting apparatus. 1,946,356; Feb. 6.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for making case hardened glass. 1,959,215; May 15.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Universal vacuum frame. 1,959,216; May 15.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for grinding the edges of sheet glass. 1,966,869; July 17.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for severing sheet glass. 1,973,723; Sept. 18.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Device for use in cutting glass. 1,974,627; Sept. 25.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Receiving table for glass sheets. 1,983,769; Dec. 11.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making insulating glass. 1,984,942; Dec. 18.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass cutting apparatus. 1,984,943; Dec. 18.
- Owen, William A., Johnson City, Tenn. Evaporating device for refrigerating systems. 1,984,758; Dec. 18.
- Owens, Clarence M., East Orange, N. J., and F. J. Peterson, College Point, N. Y., assignors to Shoup-Owens, Inc., Hoboken, N. J. Pasteboard box. 1,977,859; Oct. 23.
- Owens, Clifford A., and R. O. Bresler, assignors to The Power Manufacturing Company, Marion, Ohio. Oil engine. 1,966,079; July 10.
- Owens, David M. (See Walten, M., and Owens.)
- Owens Development Corporation. (See Owens, Freeman H., assignor.)
- Owens, Freeman H. (See Yager, Henry B., assignor.)
- Owens, Freeman H., New York, N. Y. Recording and reproducing photographic sound records. 1,942,066; Jan. 2.
- Owens, Freeman H., New York, N. Y. Dual shutter control system for photographic sound apparatus. 1,942,067; Jan. 2.
- Owens, Freeman H., New York, N. Y. Sound-controlling device for talking picture apparatus. 1,942,068; Jan. 2.
- Owens, Freeman H., New York, N. Y. Recording sound photographically. 1,943,925; Jan. 16.
- Owens, Freeman H., New York, N. Y. Recording and reproducing lamp for photographic sound records. 1,946,587; Feb. 13.
- Owens, Freeman H., New York, N. Y. Optical system and focusing means therefor. 1,946,588; Feb. 13.
- Owens, Freeman H., New York, N. Y. Method and apparatus for recording and reproducing photographic sound records. 1,946,589; Feb. 13.
- Owens, Freeman H., New York, N. Y. Sound reproducing apparatus. 1,950,090; Mar. 6.
- Owens, Freeman H., New York, N. Y. Dual sound recording and reproducing apparatus. 1,950,690; Mar. 13.
- Owens, Freeman H., New York, N. Y. Combined take-up drive and handle for motion picture cameras. 1,950,691; Mar. 13.
- Owens, Freeman H., New York, N. Y. Reversing mechanism for driving shafts. 1,950,692; Mar. 13.
- Owens, Freeman H., New York, N. Y. Collapsible reel. 1,959,495; May 22.
- Owens, Freeman H., New York, N. Y. Magazine for motion picture cameras. 1,959,496; May 22.
- Owens, Freeman H., New York, N. Y. Sound recording and reproducing apparatus. 1,970,102; Aug. 14.
- Owens, Freeman H., New York, N. Y. Eliminating hum in rectified alternating current operated photoelectric cell amplifiers. 1,977,858; Oct. 23.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Marking device for sound films. 1,950,091; Mar. 6.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Optical printing apparatus. 1,950,092; Mar. 6.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Mechanical filter. 1,950,693; Mar. 13.
- Owens, Freeman H., assignor to Wired Radio, Inc., New York, N. Y. Light valve for translation of sound effects. 1,980,223; Nov. 13.
- Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)
- Owens-Illinois Glass Company. (See Allen, R. G., and McLaughlin, assignors.)
- Owens-Illinois Glass Company. (See Barnby, Herbert A., assignor.)
- Owens-Illinois Glass Company. (See Benoit, Joseph P., assignor.)
- Owens-Illinois Glass Company. (See Brunner, William, assignor.)
- Owens-Illinois Glass Company. (See Cochrane, S. S., and Kadow, assignors.)

- Owens-Illinois Glass Company. (See Collins, J. E., and McLaughlin, assignors.)
- Owens-Illinois Glass Company. (See Cosh, Richard A., assignor.)
- Owens-Illinois Glass Company. (See Day, Edwin C., assignor.)
- Owens-Illinois Glass Company. (See Desser, Michael S., assignor.)
- Owens-Illinois Glass Company. (See Flexon, Floyd, assignor.)
- Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
- Owens-Illinois Glass Company. (See Guitton, Henry, assignor.)
- Owens-Illinois Glass Company. (See Hoge, John R., assignor.)
- Owens-Illinois Glass Company. (See Howe, Edward W., assignor.)
- Owens-Illinois Glass Company. (See Jackson, A. S., and Hale, assignors.)
- Owens-Illinois Glass Company. (See Johnson, Sigfrid W., assignor.)
- Owens-Illinois Glass Company. (See Kinker, Clarence C., assignor.)
- Owens-Illinois Glass Company. (See Lufkin, Garland, assignor.)
- Owens-Illinois Glass Company. (See Lufkin, G., and Flexon, assignors.)
- Owens-Illinois Glass Company. (See McBurney, James E., assignor.)
- Owens-Illinois Glass Company. (See McGiveran, Stanley J., assignor.)
- Owens-Illinois Glass Company. (See McGovern, B., and Ketchum, assignors.)
- Owens-Illinois Glass Company. (See Menoit, J. P., and Soubier, assignors.)
- Owens-Illinois Glass Company. (See O'Neill, Frank, assignor.)
- Owens-Illinois Glass Company. (See Ruel, John F., assignor.)
- Owens-Illinois Glass Company. (See Shillinger, G. B., and Hoge, assignors.)
- Owens-Illinois Glass Company. (See Slayter, Games, assignor.)
- Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
- Owens-Illinois Glass Company. (See Soubier, L. D., and Collins, assignors.)
- Owens-Illinois Glass Company. (See Soubier, L. D., and Schreiber, assignors.)
- Owens-Illinois Glass Company. (See Steuer, Norman F., assignor.)
- Owens-Illinois Glass Company. (See Wheaton, Jack M., assignor.)
- Owens, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic circuit-controlling device. 1,971,199; Aug. 21.
- Owens, Percy R., Mount Kisco, assignor of twenty-five per cent to P. S. Haselton, Bayside, Long Island, N. Y. Heating system. 1,962,999; June 12.
- Owens, Samuel H., Altoona, Pa. Movable stop mechanism. 1,949,218; Feb. 27.
- Ower, William W. (See Tate, M., and Ower.)
- Owings, Dudley, Seattle, Wash. Baby toilet cabinet. 1,952,216; Mar. 27.
- Owston, Charles W., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Method of and machine for producing spiral fin tubing. 1,950,623; Mar. 13.
- Oxaal, Arne, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing electrical conductors. 1,951,435; Mar. 20.
- Oxford Filing Supply Co. (See Dayton, Alton A., assignor.)
- Oxford Filing Supply Co. (See Jones, Frank D., assignor.)
- Oxford Pants Co. (See Krosney, Isidor, assignor.)
- Oxford Varnish Corporation, The. (See Casto, Lloyd V., assignor.)
- Oxford Varnish Corporation. (See Casto, L. V., and von Webern, assignors.)
- Oxford Varnish Corporation. (See von Webern, Guido, assignor.)
- Oxley, Horace F. (See Thomas, E. B., Groombridge, and Oxley.)
- Oxley, Horace F., W. H. Groombridge, and E. B. Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of aliphatic ketones. 1,954,023; Apr. 10.
- Oxley, Horace F., W. H. Groombridge, and W. Challis, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of cellulosic materials. 1,964,646; June 26.
- Oxley, Walter T., Fergus Falls, Minn. Carrier. 1,970,247; Aug. 14.
- Oxley, William J., Willowdale, and L. M. Frank, New Toronto, Ontario, Canada. Closure for liquid fuel tanks and barrels. 1,952,066; Nov. 27.
- Oxweld Acetylene Company. (See Geibig, Frank C., assignor.)
- Oxweld Acetylene Company. (See Kehl, Robert J., assignor.)
- Oxweld Acetylene Company. (See Keir, James M., assignor.)
- Oxweld Acetylene Company. (See Miller, Wilber B., assignor.)
- Oxweld Acetylene Company. (See Oliphant, Laurence, assignor.)
- Oxweld Acetylene Company. (See Wagner, Robert L., assignor.)
- Oxweld Railroad Service Company, The. (See Oldham, S. R., and Young, assignors.)
- Oxzyrn Company. (See Englander, Irving, assignor.)
- Oyster, Earl F. (See Spikerman, F. T., and Oyster.)
- Oyster, Earl F., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Air operated clamp. 1,948,799; Feb. 27.
- Oyster, Earl F., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Adjustable disk bar and gagger combined. 1,948,867; Feb. 27.
- Oyster, Earl F., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Molding machine. 1,957,287; May 1.
- Oyster, Ray C. (See Vaughan, A. H., and Oyster.)
- Ozdobinski, Antoni, Edwarsville, Pa. Dustpan attachment for brooms. 1,984,491; Dec. 18.
- P. B. Deviator Limited. (See Brown, John P., assignor.)
- P. & H. Pattern and Foundry Company. (See Scholz, Alfred M., assignor.)
- P & M Company, The. (See Preston, Frederick A., assignor.)
- Paardcamp, John B., Brooklyn, N. Y. Container sealing and dispensing device. 1,959,276; May 15.
- Paasch, Johannes. (See Komusin, Erich, assignor.)
- Paasche, Jens A., Wilmette, Ill. Compressor unit. 1,958,065; May 8.
- Paasche, Jens A., Wilmette, Ill. Striping tool. 1,972,714; Sept. 4.
- Paasche, Jens A., Wilmette, Ill. Exhaust system. 1,980,224; Nov. 13.
- Pabst Corporation. (See Reich, John C., assignor.)
- Paca, John P., Canton, Ohio, assignor to Diebold Safe & Lock Company. Closure member. 1,967,779; July 24.
- Pace, Gilbert L. (See Munson, J. J., and Pace.)
- Pace, Signa A. (See Millett, F. A., and Pace.)
- Pacent, Louis G. (See Aceves, Julius G., assignor.)
- Pachowicz, Edmund, assignor to Templeton, Kenly, & Co. Limited, Chicago, Ill. Lifting jack. 1,970,619; Aug. 21.
- Pachowicz, Edmund, assignor to Templeton, Kenly & Co., Limited, Chicago, Ill. Adapter for push and pull jacks. 1,973,224; Sept. 11.
- Pachter, Peter T., Chicago, Ill. Automatic book cutting machine. 1,982,880; Dec. 4.
- Pacific-Burt Company. (See Baum, Philip, assignor.)
- Pacific Can Company. (See Douglass, Henry J., assignor.)
- Pacific Clay Products. (See Jewell, Howard W., assignor.)
- Pacific Clay Products. (See McClintock, William, assignor.)
- Pacific Coast Borax Company. (See Newman, Alfred, assignor.)
- Pacific Coast Box Company. (See Connell, G. A., Cramer, and Caldwell, assignors.)
- Pacific Gear and Tool Works. (See Bannan, Philip L., assignor.)
- Pacific Electric Manufacturing Corporation. (See Schwager, August C., assignor.)
- Pacific Flush Tank Company. (See Beddoes, H., and Schlenz, assignors.)
- Pacific Library Binding Co. (See Reavis, W. E., and Kirste, assignors.)
- Pacific Lumber Company, The. (See Carson, Francis L., assignor.)
- Pacific Lumber Company, The. (See Mitscherling, Waldemar O., assignor.)
- Pacific Machinery Company. (See Thompson, A. R., and Omsted, assignors.)
- Pacific Manifolded Book Company. (See Lingenfelter, Cleo J., assignor.)
- Pacific Manifolded Book Company. (See Wilcox, Edward R., assignor.)
- Pacific Mills. (See Barnard, Kenneth H., assignor.)
- Pacific Pipe & Supply Company. (See Ott, O. W., and Smithers, assignors.)
- Pacific Pitting Machine Company Inc. (See Bem, Joseph E., assignor.)
- Pacific Pump Works. (See Bigelow, G. E., and Weis, assignor.)
- Pacific Signal Company. (See Glock, Carl A., assignor.)
- Pacific Tractor Equipment Inc. (See Maloon, Earl B., assignor.)
- Pacilli, Emidio, Milan, Italy. Control device for railway signals and switches and the like. 1,965,930; July 10.
- Pacini, August J., Chicago, Ill., assignor to Milprint Products Corporation, Milwaukee, Wis. Increasing tensile strength of cellulose and product. 1,948,276; Feb. 20.
- Pacini, August J., Chicago, Ill., assignor to American Research Products, Inc. Production of antiricketic substances. 1,983,944; Dec. 11.
- Pack, Charles, Jackson Heights, N. Y. Die-casting. 1,961,941; June 5.
- Pack, Charles, Jackson Heights, N. Y. Die casting machine. 1,961,942; June 5.
- Pack, Dean A., Gloucester, Mass. Gas valve lock. 1,949,178; Feb. 27.
- Pack, Robert W., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Revivifying sodium bicarbonate solution. 1,982,688; Dec. 4.
- Package Improvement Company. (See Ware, Richard P., assignor.)
- Package Machinery Company. (See Clark, Francis R., assignor.)

- Package Machinery Company. (See Cornock, Edward F., assignor.)
- Package Machinery Company. (See Eubank, John T., assignor.)
- Package Machinery Company. (See Fuller, Frederic B., assignor.)
- Package Machinery Company. (See Langhammer, P., and Bodolay, assignors.)
- Package Machinery Company. (See Melhorn, Carl E., assignor.)
- Package Machinery Company. (See Smith, Elmer L., assignor.)
- Package Machinery Company. (See Smith, E. L., and Melhorn, assignors.)
- Package Machinery Company. (See Tindal, J. R., and Palmer, assignors.)
- Packard, Horace N., assignor to The Cambridge Instrument Company, Inc., Ossining, N. Y. Pyrometer. 1,942,519; Jan. 9.
- Packard Motor Car Company. (See Bäckdahl, Karl G. A., assignor.)
- Packard Motor Car Company. (See Barden, Earl M., assignor.)
- Packard Motor Car Company. (See Beltz, Lester L., assignor.)
- Packard Motor Car Company. (See Benoit, Frederick A., assignor.)
- Packard Motor Car Company. (See Brown, Robert N., assignor.)
- Packard Motor Car Company. (See Christman, John M., assignor.)
- Packard Motor Car Company. (See Craig, Walter B., assignor.)
- Packard Motor Car Company. (See Dorner, Hermann I. A., assignor.)
- Packard Motor Car Company. (See Edgar, Jacob F., assignor.)
- Packard Motor Car Company. (See Edwards, Herbert C., assignor.)
- Packard Motor Car Company. (See Graves, William H., assignor.)
- Packard Motor Car Company. (See Griswold, Walter R., assignor.)
- Packard Motor Car Company. (See Gunn, Earl G., assignor.)
- Packard Motor Car Company. (See Harbison, William C., assignor.)
- Packard Motor Car Company. (See Knapp, Archer L., assignor.)
- Packard Motor Car Company. (See Little, Thomas J., Jr., assignor.)
- Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
- Packard Motor Car Company. (See Paton, Clyde R., assignor.)
- Packard Motor Car Company. (See Romph, Paul H., assignor.)
- Packard Motor Car Company. (See Svensson, Gustav W., assignor.)
- Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
- Packard Motor Car Company. (See Van Degrieff, Thomas C., assignor.)
- Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
- Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
- Packer, Eben R. (See Laux, J. P., and Packer.)
- Packer, Eben R., New Rochelle, N. Y. Switch heating device. 1,957,977; May 8.
- Packer, Eben R., New Rochelle, N. Y. Heating device for railway switches. 1,959,107; May 15.
- Packer, Irving J., et al. (See Fink, Albert, assignor.)
- Packer, Lewis C., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Constant-speed drive device. 1,955,309; Apr. 17.
- Packer, Oswald F., assignor to Stearns-Stafford Roller Bearing Company, Lawton, Mich. Roller bearing. 1,944,364; Jan. 23.
- Packers Equipment Development Company. (See Laabs, William, assignor.)
- Packers Equipment Development Company. (See McMillan, James T., assignor.)
- Packing Products Corporation. (See Gray, F. D., and Farnham, assignors.)
- Packing Products Corporation. (See Koppelman, Morris, assignor.)
- Packwood, G. H., Manufacturing Company. (See Packwood, George H., Jr., assignor.)
- Packwood, George H., Jr., assignor to G. H. Packwood Manufacturing Company, St. Louis, Mo. Dispenser. 1,956,535; Apr. 24.
- Pacyna, Arnold, Lyndhurst, N. J. Antiknock composition. 1,973,320; Sept. 11.
- Pacz, Aladar, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Treating alloys. 1,974,971; Sept. 25.
- Paddock, Levi S. (See Newton, R. C., Bloom, and Paddock.)
- Paddock, Levi S., assignor to Swift and Company, Chicago, Ill. Meat-curing method. 1,951,436; Mar. 20.
- Paddock, Levi S., assignor to Swift and Company, Chicago, Ill. Meat curing method. 1,957,150; May 1.
- Paddock, Levi S., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of poultry. 1,976,412; Oct. 9.
- Padelford, Lester E., assignor to Republic Metalware Company, Buffalo, N. Y. Bread box. 1,941,998; Jan. 2.
- Padgett, James A., Moody, Mo. Two-piece demountable rim. 1,967,969; July 24.
- Padgett, Joseph E. (See Raviola, J. B., and Padgett.)
- Padgett, Joseph E., Toledo, Ohio. Shock absorber. 1,948,185; Feb. 20.
- Padgett, Joseph E., Toledo, Ohio. Shock absorbing device. 1,966,310; July 10.
- Padgett, Joseph E., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Control mechanism for motor vehicles. 1,943,694; Jan. 16.
- Padgett, Joseph E., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Synchronizing clutch. 1,953,628; Apr. 3.
- Padgett, Joseph E., and R. P. Lewis, Toledo, Ohio. Driving axle. 1,968,618; July 31.
- Padgett, William L., Brooklyn, N. Y. Circuit breaking receptacle. 1,968,465; July 31.
- Padiitt, Jesse D., Dallas, Tex. Horse collar. 1,957,907; May 8.
- Padilla, Carlos E., assignor to P. R. Pelayo, New York, N. Y. Lubricating device. 1,984,543; Dec. 18.
- Paducah Box and Basket Company. (See Miller, Julien C., assignor.)
- Paff, George C., assignor to The Oberphos Company, Baltimore, Md. Apparatus for producing phosphatic fertilizer. 1,982,450; Nov. 27.
- Pagano, Andrea R., Genoa, Italy. Cam lever closing arrangement for pressure cooking pots. 1,945,752; Feb. 6.
- Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Knitting machine. 1,964,673; June 26.
- Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Pattern mechanism for knitting machines. 1,969,853; Aug. 14.
- Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Knitted stocking. 1,978,280; Oct. 23.
- Page, Albert E., and F. R., Brooklyn, assignors to Scott & Williams, Incorporated, New York, N. Y. Process and machine for making plated fabrics. 1,977,590; Oct. 16.
- Page, Alfred C., assignor to Detroit Trust Company, Detroit, Mich. Method of and apparatus for lapping gears. 1,985,213; Dec. 18.
- Page, Alexander G., assignor to Union Oil Company of California, Los Angeles, Calif. Heating and cracking oil. 1,965,945; July 10.
- Page, Arthur A., Waterbury, Conn. Brush. 1,950,862; Mar. 13.
- Page, Arthur A., Racine, Wis. Footwear. 1,977,693; Oct. 23.
- Page, Arthur A., Racine, Wis. Footwear. 1,977,694; Oct. 23.
- Page, Arthur A., assignor to Racine Shoe Mfg. Co., Racine, Wis. Arch support. 1,971,378; Aug. 28.
- Page, Dwight C., assignor to The Heald Machine Company, Worcester, Mass. Abrading machine. 1,952,458; Mar. 27.
- Page, Frank C. B., Oyster Bay, assignor to E. W. Bliss Company, New York, N. Y. Apparatus for lining can ends. 1,968,904; Aug. 7.
- Page, Frank E. (See Page, Albert E. and F. R.)
- Page, George A., Jr., Freeport, and G. E. Warren, Flushing, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Cowling ring. 1,966,043; July 10.
- Page & Hill Co. (See Farnam, Julian P., assignor.)
- Page, Howard E., Belmont, Mass., assignor to Solloway Page Company, Franklin, N. H. Pattern attachment for knitting machines. 1,951,767; Mar. 20.
- Page, Howard L., Chicago, Ill. Applying radium luminescent indicia without personal danger. 1,960,187; May 22.
- Page, Howard L., Chicago, Ill. Method and apparatus for forming a raised character of radium luminous material or the like. 1,966,515; July 17.
- Page, James M., Jr. (See Diggs, S. H., and Page.)
- Page, John E., Sydney, New South Wales, Australia, assignor, by mesne assignments, to The Guardian Trust Company, Cleveland, Ohio, trustee for Gibson Patent Containers, Ltd. Container. 1,941,619; Jan. 2.
- Page, John E., Sydney, New South Wales, Australia, assignor to The Guardian Trust Company, Cleveland, Ohio, trustee for Gibson Patent Containers, Ltd., New South Wales, Australia. Container. 1,969,030; Aug. 7.
- Page, Louis J., Brooklyn, N. Y. Type of eyeglass and spectacle mounting or bridge. 1,946,233; Feb. 6.
- Page, Robert M., Washington, D. C. Frequency control system. 1,953,973; Apr. 10.
- Page, Robert M., Washington, D. C. Polyphase relaxation circuit oscillator. 1,972,535; Sept. 4.
- Page, Rosario J., Fort Kent, Maine. Temple hinge or mounting for spectacles. 1,941,575; Jan. 2.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,280; Jan. 2.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,299; Jan. 2.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,365; Jan. 16.

- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,411; Jan. 23.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,493; Feb. 13.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,494; Feb. 13.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,537; Feb. 20.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,538; Feb. 20.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,539; Feb. 20.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 91,592; Feb. 20.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 92,268; May 15.
- Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 92,366; May 29.
- Page Steel and Wire Company. (See Lear, Clyde E., assignor.)
- Page, Thomas L., Stamford, Conn. Making bullets. 1,961,076; May 29.
- Page, Walter, Scarsdale, and J. M. McClatchie, assignors to The Borden Company, New York, N. Y. Sealing means for can filling units. 1,945,290; Jan. 30.
- Pagendarm, John F. (See Davison, H. H., and Pagendarm.)
- Pagendarm, John F., San Francisco, Calif., assignor to American Woodlite Corporation. Machine for generating dies of irregular surface. 1,933,770; Dec. 11.
- Pagendarm, John F., Oakland, assignor to American Woodlite Corporation, San Francisco, Calif. Rear lamp for vehicles. 1,933,771; Dec. 11.
- Pagenhart Research Corporation. (See Giddens, Paul K., assignor.)
- Paget, Leslie M., Yonkers, N. Y. Coupler for twist link chains. 1,972,692; Sept. 4.
- Paget, Richard A. S., Lancaster Gate, assignor to Thermal Syndicate Limited, Neptune Bank, Wallsend-on-Tyne, England. Lighting unit. 1,943,877; Jan. 16.
- Pagon, William W. (See Ober, B., Pagon, Pruett, and Troxwell.)
- Pazon, William W., assignor, by mesne assignments, to The Oberphos Company, Baltimore, Md. Converting apparatus. 1,945,229; Jan. 30.
- Pahissa, Lorenzo, San Feliu de Llobregat, Spain, assignor to Jackson & Perkins Company, Newark, N. Y. Rose. Pl. Pt. 116; Dec. 11.
- Pahlke, Elmer W. (See Small, J. W., and Pahlke.)
- Paidar, Emil J., Company. (See Emmert, John R., assignor.)
- Paige, Arthur E., Philadelphia, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Cable. 1,959,302; May 15.
- Pailin, George, assignor to Ferguson, Pailin Limited, Higher Openshaw, Manchester, England. Electric cut-out. 1,957,906; May 8.
- Pailin, George, Manchester, England, assignor to General Electric Company. Switch contact structure. 1,971,830; Aug. 28.
- Pailler, Eugene C., Rutherford, N. J., assignor, by mesne assignments, to Silk-Eze Corporation, Boston, Mass. Fabric cleaning composition. 1,964,006; June 26.
- Pain, Charles E., jr., assignor to Will Ross Inc., Milwaukee, Wis. Infusion apparatus. 1,960,417; May 29.
- Pain, Charles E., jr., assignor to Will Ross Inc., Milwaukee, Wis. Arm bath. 1,963,557; June 19.
- Paine-Cunnington Company, The. (See Cunningham, George R., assignor.)
- Paine, Ellery B., J. Tykocinski-Tykociner, and H. A. Brown, assignors to Board of Trustees, University of Illinois, Urbana, Ill. Testing insulation. 1,943,391; Jan. 16.
- Paine, Ellery B., J. Tykocinski-Tykociner, and H. A. Brown, assignors to Board of Trustees, University of Illinois, Urbana, Ill. Testing cables. 1,943,392; Jan. 16.
- Paine, Howard S., R. M. Kingsbury, and E. Yanovsky, Washington, D. C., dedicated to the free use of the Public. Preparation of inulin. 1,971,871; Aug. 28.
- Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 1,975,120; Oct. 2.
- Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 1,984,151; Dec. 11.
- Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 1,984,152; Dec. 11.
- Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Magnesium base alloy. 1,985,420; Dec. 25.
- Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Magnesium base alloy. 1,985,421; Dec. 25.
- Painter, Carl W., Anderson, Ind. Carbureting means. 1,942,875; Jan. 9.
- Painter, Maurice E., Dayton, Ohio. Liquid gas vaporizer. 1,947,099; Feb. 13.
- Painter, William L., Minneapolis, Minn. Rack for baking tins and the like. 1,952,457; Mar. 27.
- Paisley, William O. (See Riggs, H. C., and Paisley.)
- Paiste, Henry T., Philadelphia, Pa., assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Chain-type socket. 1,960,188; May 22.
- Paix & Cie. (See Sagit, Léon J.)
- Pajes, Wolf S., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Electro-optical method and apparatus. 1,954,947; Apr. 17.
- Pajes, Wolf S., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Electro-optical system. 1,961,706; June 5.
- Palazzo, Fortunato. (See Palazzo, Francesco C. and F.)
- Palazzo, Francesco C. and F., Florence, Italy. Producing practically pure cellulose (alpha-cellulose) from raw cellulose of any origin. 1,959,734; May 22.
- Palazzo, Francesco C. and F., Florence, Italy. Producing wood cellulose comparable to cotton with high tenor of alkali resisting cellulose. 1,981,323; Nov. 20.
- Palermo, John J., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,975,136; Oct. 2.
- Palestro, George, Brooklyn, N. Y. Salt cellar or similar article. Des. 93,123; Aug. 21.
- Paley, Charles, Brooklyn, N. Y. Container. 1,971,164; Aug. 21.
- Palkens, Lewis F., Nashua, N. H. Combined elastic belt and suspenders. 1,983,636; Dec. 11.
- Palkowski, Constanti, and S. Wagner, Los Angeles, Calif. Boring machine. 1,977,202; Oct. 16.
- Palla, William, Bellerose, N. Y. Combined carton and display stand. 1,955,252; Apr. 17.
- Pallas, James E., San Francisco, Calif. Stove pipe joint. 1,983,989; Dec. 11.
- Pallotta, Sandy, Youngstown, Ohio, assignor of seven-twentieths to V. Manzi, and three-twentieths to Angelo Ialung, Detroit, Mich. Fire extinguisher for aeroplanes. 1,955,086; Apr. 17.
- Palm Bros. Decalcomania Company, The. (See Hepp, William, assignor.)
- Palm, John V. O. (See Hopkins, B. F., and Palm.)
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,944,609; Jan. 23.
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,956,464; Apr. 24.
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,956,465; Apr. 24.
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,956,466; Apr. 24.
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,956,467; Apr. 24.
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,956,468; Apr. 24.
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,956,469; Apr. 24.
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing manufacture. 1,956,470; Apr. 24.
- Palm, John V. O., and G. S. Salzman, Cleveland Heights, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Method of and apparatus for producing bimetallic strips. 1,956,471; Apr. 24.
- Palmaer, Knut W., Stockholm, Sweden. Electrolyzing process with the use of a mercury cathode. 1,970,973; Aug. 21.
- Palmaer, Knut W., Stockholm, and O. E. Griep, Appelviken, Sweden; said Griep assignor to said Palmaer. Purifying mercury used as cathode in electrolyzing processes. 1,970,974; Aug. 21.
- Palmaer, Knut W., Stockholm, and O. E. Griep, Appelviken; said Griep assignor to said Palmaer. Electrodeposition of metals and cathode suited for such purpose. 1,970,975; Aug. 21.
- Palmblad, Paul, et al. (See Brazeau, Lloyd F., assignor.)
- Palmer, Arthur J., and P. R. Higson, assignors to Vickers-Armstrongs Limited, Westminster, England. Machine gun and automatic small arm of the gas operated type. 1,975,236; Oct. 2.
- Palmer, Bertha M., Beaverton, Oreg. Combination bottle and doll cover therefor. Des. 93,239; Sept. 4.
- Palmer Bros. Engines, Inc. (See Ulrich, Julius M., assignor.)
- Palmer, Carl R., and C. E. Anderson, Steubenville, Ohio. Manufacturing glass reflectors. 1,958,859; May 15.
- Palmer, Charles C., Waupaca, Wis. Power transmission device. 1,966,357; July 10.
- Palmer, Charles M., Brooklyn, assignor to F. N. Mariani, New York, N. Y. Smoking implement. 1,980,594; Nov. 13.
- Palmer, Charles S., assignor of two-thirds to J. Gold, Pittsburgh, Pa. Fire kindler briquette. 1,983,560; Dec. 11.

- Palmer, Charles W., Montreal, Quebec, Canada, assignor to Celanese Corporation of America. Spinning. 1,955,825; Apr. 24.
- Palmer, Donald R., Little Neck, N. Y., and F. M. Sayford, Montclair, N. J., assignors to Frank M. Sayford Co., Inc. Insulating means. 1,984,653; Dec. 18.
- Palmer Electric & Manufacturing Co., The. (See Johansson, Ernest G., assignor.)
- Palmer, Frank R., assignor to The Carpenter Steel Company, Reading, Pa. Ferrous alloy. 1,961,777; June 5.
- Palmer, Harry A., assignor to Palmer Inventions, Inc., Boston, Mass. Pump operating mechanism. 1,954,712; Apr. 10.
- Palmer, Harry A., Boston, Mass., assignor to Palmer Inventions, Inc. Combusting fuel oil charges for oil burning motors. 1,956,586; May 1.
- Palmer, Harry A., Boston, Mass., assignor to Palmer Inventions, Incorporated. System for supplying fuel to internal combustion engines. 1,967,970; July 24.
- Palmer, Harry A., Malden, Mass., assignor to Palmer Inventions, Inc. Low compression oil burning engine. 1,978,321; Oct. 23.
- Palmer, Harry L., Scotia, N. Y., assignor to General Electric Company. Control system. 1,966,214; July 10.
- Palmer Inventions, Inc. (See Palmer, Harry A., assignor.)
- Palmer, James H. (See Tindal, J. R., and Palmer.)
- Palmer, Jesse E., Haines City, Fla. Orchard heater. 1,962,405; June 12.
- Palmer, John M., Los Angeles, Calif. Tool holder. 1,945,291; Jan. 30.
- Palmer, John M., Los Angeles, Calif. Tool holder. 1,945,292; Jan. 30.
- Palmer, Keith W. (See Bunbury, H. M., Naunton, and Palmer.)
- Palmer, Keith W., Fartown, Huddersfield, England, assignor to Imperial Chemical Industries Limited. Production of aryl mercapto compounds. 1,968,905; Aug. 7.
- Palmer, Keith W., Fartown, Huddersfield, England, assignor to Imperial Chemical Industries Limited. Production of aryl mercapto compounds. 1,968,906; Aug. 7.
- Palmer, Lawrence S., San Diego, Calif. Hose connection. 1,971,500; Aug. 28.
- Palmer Match Company, The. (See Palmer, T. A., and Denmead, assignors.)
- Palmer, Mervin O., San Pedro, Calif., assignor, by mesne assignments, to Continental Can Company, Inc. Fish cutting and cleaning machine. 1,975,018; Sept. 25.
- Palmer, Nelson S. (See West, D. E., and Palmer.)
- Palmer, Robert K. (See Cushing, W. W., and Palmer.)
- Palmer, Tom A., and J. W. Denmead, assignors to The Palmer Match Company, Akron, Ohio. Block feeder for match machines. 1,963,865; June 19.
- Palmgren, Nils A., Gottenberg, Sweden. Musical instrument. 1,952,630; Mar. 27.
- Palmgren, Per G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Rolling mill and the like. 1,969,940; Aug. 14.
- Palmieri, Antoinette, assignor to J. Palmieri, New York, N. Y. Combination of chair and bed. 1,951,805; Mar. 20.
- Palmieri, Joseph. (See Palmieri, Antoinette, assignor.)
- Palmiotta, Louis. (See Franke, J. W., and Palmiotta.)
- Palnut Company, The. (See Hotchkin, James R., assignor.)
- Palombo, Faustino J., jr. (See Palombo, Faustino J. and F. J., jr.)
- Palombo, Faustino J., and F. J. Palombo, jr., Garfield Heights, Ohio. Potato peeling machine. 1,945,978; Feb. 6.
- Palter-De Liso, Inc. (See De Liso, Vincent, assignor.)
- Paluch, Joseph S. (See Frey, Frank W., assignor.)
- Palueff, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Voltage indicating means for transformers. 1,956,400; Apr. 24.
- Palueff, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Cooling electrical apparatus. 1,980,821; Nov. 13.
- Panabaker, Edith R. (See Higbee, James F., assignor.)
- Panabaker, Edith R., trustee. (See Higbee, James F., assignor.)
- Pancake, Herman H., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,962,723; June 12.
- Pancoast, George E., Seabright, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype plate finishing machine. 1,960,752; May 29.
- Pancec, George W., Brooktondale, N. Y., assignor to Thomas-Morse Aircraft Corporation. Airplane cowl fastener. 1,949,027; Feb. 27.
- Panczer, Bruno M., Landsdowne, Pa. Ornamental lighting fixture. 1,955,469; Apr. 17.
- Pandolfi, Francesco. (See Pandolfi, Luigi, assignor.)
- Pandolfi, Luigi, assignor of one-third to Francesco Pandolfi, New York, N. Y. Cylindrical flying ship. 1,963,715; June 19.
- Pandres, L. Lee, Dallas, Tex. Diamond wedding ring. Des. 92,674; July 3.
- Panelyte Corporation. (See Edwards, Earl S., assignor.)
- Panetti, Vincent, Brooklyn, N. Y. Towel holder. 1,971,794; Aug. 28.
- Pangborn Corporation. (See Rosenberger, William A., assignor.)
- Panhandle Refining Company. (See Sims, W. F., and Cloer, assignors.)
- Pantzsch, Martin, Forest Park, Ill. Striping brush. 1,954,260; Apr. 10.
- Panker, Bent, Copenhagen, Denmark. Racket. 1,954,327; Apr. 10.
- Pankonin, William G., Chicago, Ill. Stapling device. Des. 92,922; July 31.
- Pankratz, Harold G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,957,472; May 8.
- Pan Pacific Piling and Construction Company. (See Blackman, John W. B., assignor.)
- Pan-Ross Laboratories, Inc. (See Parsons, John, assignor.)
- Pantasote Leather Company, The. See Outerbridge, F. R., and Harvey, assignors.)
- Pantenburg, Vitalis, Dusseldorf-Oberkassel, assignor to the firm Aktiengesellschaft fur Chemische Produkte vormals H. Scheidemandel, Berlin, Germany. Forming small particle products from gelatinizing substances. 1,965,509; July 3.
- Panter, Elmore H., Louisville, Ky. Reversible window. 1,982,753; Dec. 4.
- Panther-Panco Rubber Co., Inc. (See Klein, Myer S., assignor.)
- Panza, Ralph, Los Angeles, Calif. Carafe holder. Des. 91,786; Mar. 20.
- Panzegrau, Norman O. (See Baker, D. B., Rogers, and Panzegrau.)
- Papaefthimou, Demetrios, Richmond, N. Y. Piston assembly. 1,945,374; Jan. 30.
- Papas, John E., Detroit, Mich. Magnetic motor toy. 1,963,376; June 19.
- Pape, Clifford B., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Preparing and packing prunes. 1,976,961; Oct. 16.
- Pape, Herman G., deceased, by I. B. Pape, administratrix, New York, N. Y. Fish feeding device. 1,976,962; Oct. 16.
- Pape, Ida B., administratrix. (See Pape, Herman G.)
- Pape, James C., New York, N. Y. Shoe. Des. 92,923; July 31.
- Pape, James C., New York, N. Y. Shoe. Des. 93,038; Aug. 14.
- Pape, James C., New York, N. Y. Shoe. Des. 93,039; Aug. 14.
- Pape, James C., New York, N. Y. Shoe. Des. 93,040; Aug. 14.
- Pape, James C., New York, N. Y. Shoe. Des. 93,041; Aug. 14.
- Pape, James C., New York, N. Y. Shoe. Des. 93,042; Aug. 14.
- Pape, James C., New York, N. Y. Shoe. Des. 93,124; Aug. 21.
- Pape, James C., New York, N. Y. Shoe. Des. 93,125; Aug. 21.
- Pape, James C., New York, N. Y. Shoe. Des. 93,126; Aug. 21.
- Pape, James C., New York, N. Y. Shoe. Des. 93,127; Aug. 21.
- Pape Machine Company. (See Bullock, Fred J., assignor.)
- Papendick, Inc. (See Chaveas, Nicholas B., assignor.)
- Papendick, Inc. (See Holzer, W., and Le Brell, assignors.)
- Papendick, Inc. (See Schneider, Edward J., assignor.)
- Papendick, Inc. (See Tewes, Anthony B., assignor.)
- Paper Converting Machine Co., Inc. (See Christman, Peter J., assignor.)
- Paper Makers Chemical Corporation. (See Perry, Robert S., assignor.)
- Paper Novelty Manufacturing Co. (See Frey, Rudolph T., assignor.)
- Paper Patents Company. (See Bright, Charles G., assignor.)
- Paper Patents Company. (See Davis, Myrl N., assignor.)
- Paper Patents Company. (See Fleck, Louis C., assignor.)
- Paper Patents Company. (See Fourness, Charles A., assignor.)
- Paper Patents Company. (See Kellett, William R., assignor.)
- Paper Patents Company. (See Limpert, John A., assignor.)
- Paper Service Company, The. (See Rowe, William W., assignor.)
- Papert, Reuben. (See Harte, Frank, assignor.)
- Papeteries Navarre, Société Anonyme. (See Sainte Martine, Marius, assignor.)
- Papez, Frank S., Chicago, Ill. Variable speed transmission. 1,958,095; May 8.
- Pappert, Emanuel, Flushing, N. Y., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacle front. Des. 92,196; May 8.
- Pappert, Emanuel, Flushing, N. Y., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacle front. Des. 92,197; May 8.
- Pappert, Emanuel, Flushing, N. Y., assignor to the Ful-Vue Sales Company, Washington, D. C. Spectacle front. Des. 92,198; May 8.
- Pappert, Emanuel, Flushing, N. Y., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacle front. Des. 92,199; May 8.
- Pappert, Emanuel, Long Island City, N. Y., assignor to The Ful-Vue Sales Company, Washington, D. C. Hinge and endpiece construction. 1,958,952; May 15.

- Pappert, Emanuel, Long Island City, N. Y., assignor to G. P. Kimmel, Washington, D. C. Optical mounting. 1,960,451; May 29.
- Pappert, Emanuel, Long Island City, N. Y., assignor to G. P. Kimmel, Washington, D. C. Adjustable endpiece for spectacles. 1,964,828; July 3.
- Pappert, Emanuel, Long Island City, N. Y., assignor to The Ful-Vue Sales Company, Washington, D. C. Lens strap for spectacles. 1,970,472; Aug. 14.
- Paprex Fibre Co. (See Clapp, Albert L., assignor.)
- Papworth, Walter A. (See Geldhof, P. E., and Papworth.)
- Paque, Edward J., assignor to The Pollak Steel Company, Cincinnati, Ohio. Fence post. 1,968,309; July 31.
- Paradice, Albert E., et al. (See Young, Ambrose P., assignor.)
- Paradis, Frank. (See Brousseau, René, assignor.)
- Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Combine. 1,952,331; Mar. 27.
- Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Dump rake. 1,974,972; Sept. 25.
- Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Blower for corn harvesters. 1,978,718; Oct. 30.
- Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Cutting apparatus. 1,979,010; Oct. 30.
- Paradise, William F., Auburn, Nebr. Mumble peg toy. 1,956,875; May 1.
- Paradon Company, The. (See Fulton, William H., assignor.)
- Paraffin Heater Engineering Corporation. (See Fitzpatrick, Howard H., assignor.)
- Paraffine Companies, The. (See Holder, John I., assignor.)
- Paraffine Companies, Inc., The. (See Coleman, James T., assignor.)
- Paraffine Companies, Inc., The. (See Finley, Doxier, assignor.)
- Paraffine Companies, Inc., The. (See Rosener, Leland S., assignor.)
- Paraffine Companies, Inc., The. (See Tucker, Edgar M., assignor.)
- Paragon Die Casting Company. (See Lannert, Frank, assignor.)
- Paragon-Revolute Corporation. (See Sullivan, Warren L., assignor.)
- Paragon Vaporizer Corporation, The. (See Zucrow, Maurice J., assignor.)
- Paramount Production, Inc. (See Jennings, H. G., Mellor, Rudolph, and Smith, assignors.)
- Paramount Public Corporation. (See Hatherell, G. A., Ingman, and Garbutt, assignors.)
- Paramount Public Corporation. (See Laroche, Eugene, assignor.)
- Paramount Public Corporation. (See Shaw, Joseph, assignor.)
- Paramount Public Corporation. (See Shaw, J., and Ott, assignors.)
- Paramount Textile Machinery Company. (See La Montagne, Patrick P., assignor.)
- Paramount Textile Machinery Company. (See Prosser, T. W., and Wahlbeck, assignors.)
- Pardee, Frank, jr., assignor to Anthracite Separator Company, Hazleton, Pa. Flow regulator for lowering chutes. 1,961,595; June 5.
- Pardee, Howard J. (See Ruth, Edward D., assignor.)
- Pardee, Lloyd W., Lakewood, Ohio. Suction cleaner. 1,960,063; May 22.
- Pardee, Avern, Toronto, Ontario, Canada. Golf club. 1,967,999; July 24.
- Pardieck, Frank J., Indianapolis, Ind. Sewer rod. 1,978,957; Oct. 30.
- Pardieck, Myron A. (See Dahl, Conrad, assignor.)
- Parfitt, William C., Seattle, Wash. Shirt sleeve. 1,951,437; Mar. 20.
- Parfumerie Roger et Gallet, Société Anonyme. (See Melin, André, assignor.)
- Parfums Corday, Inc. (See Storf, Benson, assignor.)
- Pargman, Isaac, Paterson, N. J. Electric heater. 1,952,774; Mar. 27.
- Pargman, Isaac, Paterson, N. J. Electric water heater. 1,967,011; July 17.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Apparatus for staining the margins of sheet blanks. 1,943,454; Jan. 16.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Machine for making book matches. 1,943,455; Jan. 16.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Apparatus for arranging book matches and the like. 1,953,818; Apr. 3.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Baltimore, Md. Machine for making box trays. 1,978,057; Oct. 23.
- Paris Art Label Co. (See Mitchell, Thomas F., assignor.)
- Paris, Paul, Berlin-Spandau, Germany. Locking device for open windows. 1,960,024; May 22.
- Parisi, Michael, assignor to I. Goldberg, New York, N. Y. Ultra violet ray lamp. 1,954,888; Apr. 17.
- Parisi, Michael, assignor to I. Goldberg, New York, N. Y. Ultra violet ray lamp. 1,960,503; May 29.
- Parisian Novelty Company. (See Komorous, Joseph, assignor.)
- Pariset, Paul, Paris, France. Powder puff. 1,960,875; May 29.
- Park, George B. (See Hylander, John C., assignor.)
- Park, George E. (See Allen, C. C., and Park.)
- Park, Irwin L., Philadelphia, Pa. Animal figure. Des. 92,624; June 26.
- Park, Louis C., Toronto, Ontario, Canada. Grinding machine. 1,961,862; June 5.
- Park, Matthew C. (See Bedford, Jesse, assignor.)
- Park, Philip R., Inc. (See Park, Philip R., assignor.)
- Park, Philip R., Buffalo, N. Y., assignor to Philip R. Park, Inc., San Pedro, Calif. Making marine plant product. 1,982,595; Nov. 27.
- Park, Robert E., jr. (See Purdy, C. A., and Park, jr.)
- Park, Robert H., Seattle, Wash. Drill chuck. 1,953,830; Apr. 3.
- Park, Robert H., Pembroke, Mass., assignor to General Electric Company. Regulator. 1,967,899; July 24.
- Park, Thomas, Long Branch, Ontario, Canada. Pneumatic curtain control for motor cars. 1,944,454; Jan. 23.
- Park, Tracy S. (See Nixon, J. D., and Park.)
- Park, Tracy S., assignor to Cameron Iron Works, Houston, Tex. Pumping unit. 1,970,620; Aug. 21.
- Parke, Davis & Co. (See Colton, Arthur, assignor.)
- Parke, Davis and Company. (See Dyson, G. M., and Renshaw, assignors.)
- Parke, Davis & Company. (See Kamm, O., Aldrich, and Grote, assignors.)
- Parke, Davis & Company. (See Wilkie, Warren, assignor.)
- Parker, Alfred E., London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate stoker. 1,985,297; Dec. 25.
- Parker, Arthur H. (See Sebrell, Harry, assignor.)
- Parker, Arthur L., Cleveland, Ohio. Primer for gas engines. 1,942,255; Jan. 2.
- Parker, Arthur L., Cleveland, Ohio. Tube coupling. 1,977,240; Oct. 16.
- Parker, Arthur L., Cleveland, Ohio. Tube coupling. 1,977,241; Oct. 16.
- Parker, Arthur L., Cleveland, Ohio. Bonding composition of solder and flux and making the same. 1,980,927; Nov. 13.
- Parker, Arthur L., Cleveland, Ohio. Coupling for rubber covered tubes. 1,982,533; Nov. 27.
- Parker, Asa B., Memphis, Tenn. Vehicle operated light switch. 1,955,013; Apr. 17.
- Parker, Benjamin H. (See Hoare, S. C., and Parker.)
- Parker, Charles A., Knoxville, Tenn. Clock. 1,949,942; Mar. 6.
- Parker, Charles R., assignor to Wirt & Knox Mfg. Co., Philadelphia, Pa. Hose reel. 1,971,165; Aug. 21.
- Parker, Clara B. (See Platt, Leland H., assignor.)
- Parker, Clara B., executrix. (See Twomley, Herbert E., assignor.)
- Parker, Clark W., New York, N. Y., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. Grease dispenser. 1,961,707; June 5.
- Parker, Clark W., New York, N. Y., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. Grease gun. 1,972,161; Sept. 4.
- Parker, Donald, administrators et al. (See Leaver, James H., jr., assignor.)
- Parker, Donald, administrator, et al. (See Twomley, Herbert E.)
- Parker, Earl S., Los Angeles, Calif., assignor, by mesne assignments, to The Buckeye Aluminum Company, Wooster, Ohio. Broiler and toaster. Re19,089; Feb. 20.
- Parker, Edward D., Whittenberg, Tex. Steam boiler control. 1,965,052; July 3.
- Parker, Edward H., Somerville, assignor to E. A. Taft, trustee, Boston, Mass. Knot-tying mechanism. 1,985,458; Dec. 25.
- Parker, Frank E., et al. (See White, J., and Baxter, assignors.)
- Parker, Frank G., Jersey City, N. J. Pulverizing apparatus for coal, etc. 1,953,125; Apr. 3.
- Parker, Frank O., administrator. (See French, John P.)
- Parker, Frederic W., Lovelock, Nev. Freewheeling device. 1,946,877; Feb. 13.
- Parker, George D., Estate of. (See Twomley, Herbert E., assignor.)
- Parker, Grace M., Peterboro, N. H. Card game. 1,982,534; Nov. 27.
- Parker, Guy E., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Hub and brake drum construction. 1,965,989; July 10.
- Parker, Guy E., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Fender well wheel carrier. 1,965,990; July 10.
- Parker, Hallett C., West De Pere, Wis. Scaffold support or snowhook. 1,946,757; Feb. 13.
- Parker, Harold H., Kenmore, assignor to Du Pont Rayon Company, New York, N. Y. Producing artificial threads. 1,949,919; Mar. 6.
- Parker, Harold H., Kenmore, assignor to Du Pont Rayon Company, New York, N. Y. Viscose and producing same. 1,952,604; Mar. 27.
- Parker, Henry C. (See Brooke, H., Conway, and Parker.)
- Parker, Henry C., assignor to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for recording and controlling. 1,951,035; Mar. 13.
- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Electron discharge tube. 1,945,979; Feb. 6.
- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Cathode ray tube. 1,945,980; Feb. 6.

- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Tuning indicator for radio receivers. 1,951,036; Mar. 13.
- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Control electrode for electron discharge devices. 1,953,254; Apr. 3.
- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Electron discharge device. 1,958,953; May 15.
- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Cathode ray oscillograph. 1,962,873; June 12.
- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Thermionic rectifier. 1,982,067; Nov. 27.
- Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Combined rectifier and pentode. 1,982,068; Nov. 27.
- Parker, Henry W., and J. R. Eakins, assignors to Rogers Radio Tubes, Ltd., Toronto, Ontario, Canada. Automatic machine for processing thermionic tubes and the like. 1,981,149; Nov. 20.
- Parker, Howard W., Park Ridge, assignor to The E. H. Wachs Company, Chicago, Ill. Pumping device and method. 1,950,624; Mar. 13.
- Parker, Howard W., Park Ridge, assignor to The E. H. Wachs Company, Chicago, Ill. Pumping device. 1,979,342; Nov. 6.
- Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,946,032; Feb. 6.
- Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Manufacture of brake linings. 1,961,863; June 5.
- Parker, Humphrey F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,974,582; Sept. 25.
- Parker, Humphrey F., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,974,583; Sept. 25.
- Parker, Humphrey F., and B. E. House, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,950,625; Mar. 13.
- Parker, Humphrey F., New York, N. Y., and B. E. House, assignors to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,980,225; Nov. 13.
- Parker, J. Henry S., assignor to Eastman Kodak Company, Rochester, N. Y. Film pack. 1,962,359; June 12.
- Parker, James E., Washington, D. C. Multiple wave detection and transmission apparatus. Re19,266; Aug. 7.
- Parker, James F., jr., Raleigh, N. C., and J. L. Parker, Charleston, S. C. Blood pressure registering machine. 1,946,985; Feb. 13.
- Parker, James L. (See Parker, James F. and J. L.)
- Parker, Laurie F., Boston, assignor to Silas Mason Co. Inc., East Boston, Mass. Tunnel digging apparatus. 1,960,394; May 29.
- Parker, Leslie O., assignor to Delco-Remy Corporation, Anderson, Ind. Connector. 1,952,141; Mar. 27.
- Parker, Leslie O., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Coil construction. 1,956,334; Apr. 24.
- Parker, Leslie O., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch. 1,956,361; Apr. 24.
- Parker, Leslie O., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Contact assembly. 1,983,095; Dec. 4.
- Parker, Leslie O., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch device. 1,983,096; Dec. 4.
- Parker, Leslie O., and C. Woolbert, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch device. 1,981,967; Nov. 27.
- Parker, Levin S., Brooklyn, N. Y. Refrigeration apparatus. 1,956,621; May 1.
- Parker, Levin S., Brooklyn, N. Y. Refrigeration apparatus. 1,956,622; May 1.
- Parker, Linus J., Dayton, Ohio, assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Mixing machine. 1,965,905; July 10.
- Parker, Lucian E., Wadsworth, Ohio. Machine for making match packets. 1,977,203; Oct. 16.
- Parker, Marion F., St. Louis County, Mo. Oil can. 1,951,107; Mar. 13.
- Parker, Marshall, assignor of one-half to H. S. Walker, South Gate, Calif. Pressure seal for shafts. 1,943,227; Jan. 9.
- Parker, Mary G. (See Allen, G. N., and Parker.)
- Parker-Meyer-Dennis Company. (See Guyon, George J., assignor.)
- Parker, Morgan, New York, and J. W. B. Ladd, Chappaqua, N. Y., assignor to Bard-Parker Company, Inc. Scissors. 1,956,587; May 1.
- Parker, Morgan, New York, and J. W. B. Ladd, Chappaqua, N. Y., assignors to Bard-Parker Company, Inc. Scissors. 1,956,588; May 1.
- Parker, Norman A. (See Ellis, C. D., and Parker.)
- Parker, Norman F., San Bernardino, Calif. Loading device for strapping machines. 1,982,230; Nov. 27.
- Parker Pen Company, The. (See Moore, William E., assignor.)
- Parker Pen Company, The. (See Pfanstiehl, Carl, assignor.)
- Parker Pen Company, The. (See Saylor, Galen H., assignor.)
- Parker Pen Company. (See Tefft, Ivan D., assignor.)
- Parker, Raizemond D., Brooklyn, and B. S. Swezey, Bay-side, N. Y., assignors to American Telephone and Telegraph Company. Call recording system. 1,952,280; Mar. 27.
- Parker, Roland T., Braintree, Mass. Wall fixture. 1,970,473; Aug. 14.
- Parker, Samuel P., Franklinton, N. C. Weaving terry fabrics. 1,949,579; Mar. 6.
- Parker, Sheldon C., Jacksonville, Fla. Gun rack. 1,951,255; Mar. 13.
- Parker, Thomas M., Evanston, Ill. Spinal massage apparatus. 1,978,223; Oct. 23.
- Parker, Walter F., assignor of one-half to H. Youngquist, Los Angeles, Calif. Scoop or ladle. 1,971,577; Aug. 28.
- Parker, Walter G., North Adams, and E. E. Bassette, Adams, Mass. Jig for working on clutches. 1,984,231; Dec. 11.
- Parker, Walter H., Pittsburgh, and N. J. Seibert and A. D. MacLean, Wilksburg, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Wrapping connector orifice meter. 1,972,792; Sept. 4.
- Parker, White and Heyl, Inc. (See Himebaugh, L. C., and Gray, assignors.)
- Parker, William B., Placerville, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Apparatus for use in controlling plant pests and plant diseases. 1,980,427; Nov. 13.
- Parker, William D., Richmond, Mich. Lever hook. 1,965,931; July 10.
- Parker Wire Goods Company. (See Nester, Howard W., assignor.)
- Parker Wire Goods Company. (See Priest, Dwight E., assignor.)
- Parker, Zachariah T., Toppenish, Wash. Oxidizing furnace. 1,966,643; July 17.
- Parkersburg Rig & Reel Company, The. (See Schwemlein, William, assignor.)
- Parke, Bertrand A., Philadelphia, Pa. Drying machine. 1,942,828; Jan. 9.
- Parke, Bertrand A., Philadelphia, Pa. Circular drying, stretching, and finishing machine. 1,963,672; June 19.
- Parke, Deric W., West Bromwich, England. Production of piperidine. 1,947,732; Feb. 20.
- Parke, Deric W., Edgbaston, Birmingham, and C. D. Mitchell, West Bromwich, England. Sulphurated base. 1,956,248; Apr. 24.
- Parke, Jeremiah V. B., Newark, N. J. Crinkle surface nail file. Des. 93,732; Oct. 30.
- Parkhill, Frederic W., assignor to J. F. Laughead, Kansas City, Mo. Interchangeable appliance for mixing, beating, etc. Re19,295; Aug. 28.
- Parkhill, James, Flint, assignor to General Motors Corporation, Detroit, Mich. Band spring clip. 1,970,765; Aug. 21.
- Parkhurst, Frederic A., Bethesda, Md., assignor to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Making toothbrush handles. 1,984,805; Dec. 18.
- Parkhurst, Frederic A., Bethesda, Md., assignor to The Fiberloid Corporation, Indian Orchard, Mass. Molded object. 1,981,810; Nov. 20.
- Parkhurst, Frederic A., Bethesda, Md., and W. S. Elliot, assignors to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Toothbrush. Des. 93,043; Aug. 14.
- Parkhurst, Frederic A., Bethesda, Md., and W. S. Elliot, assignors to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Toothbrush. Des. 93,044; Aug. 14.
- Parkhurst, George L., assignor to Standard Oil Company, Chicago, Ill. Dry cleaning fluid. 1,948,045; Feb. 20.
- Parkhurst, George L., assignor to Standard Oil Company, Chicago, Ill. Fractionation of coal tar materials. 1,960,679; May 29.
- Parkhurst, George L., Chicago, Ill., and V. Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Destearinizing fatty oils. 1,974,542; Sept. 25.
- Parkin, John H., and J. J. Green, Ottawa, Ontario, Canada. Locomotive. 1,950,743; Mar. 13.
- Parkin, Joseph W., jr., Philadelphia, Pa. Spark plug. 1,962,669; June 12.
- Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Lip stock holder. 1,953,910; Apr. 3.
- Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Lip stick holder. 1,953,911; Apr. 3.
- Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Container closure. 1,970,505; Aug. 14.
- Parkin, Winfred T., assignor to Theodore W. Foster & Bros. Co., Providence, R. I. Vanity case. 1,976,671; Oct. 9.
- Parkins, George A., Ord, Nebr. Optical device. 1,967,625; July 24.
- Parkinson, Edward, Philadelphia, Pa. Gas treatment. 1,976,629; Oct. 9.
- Parkinson, James A., Topeka, Kans. Railway signal system. 1,984,840; Dec. 18.
- Parkinson, Joseph C., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Double glazing. 1,954,058; Apr. 10.
- Parkinson, Joseph C., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Opaque glass. 1,956,176; Apr. 24.

- Parkinson, Oscar E., assignor to The Master Package Corporation, Owen, Wis. Container. 1,958,589; May 15.
- Parkinson, Reginald H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made of or containing cellulose or cellulose derivatives. 1,980,428; Nov. 13.
- Parkinson, Reginald H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Coloration of materials made of or containing cellulose or cellulose derivatives. 1,980,429; Nov. 13.
- Parkinson, Reginald H., and F. A. Reeson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Apparatus for the manufacture of artificial filaments or fibers. 1,958,493; May 15.
- Parkinson, Roy W., Buffalo, N. Y. Clutch for motor vehicles. 1,950,694; Mar. 13.
- Parks-Cramer Company. (See MacDonald, John W. F., assignor.)
- Parks-Cramer Company. (See Reavell, James A., assignor.)
- Parks, Dennis, St. Louis, Mo. Controlling mechanism for power driven machines. 1,965,153; July 3.
- Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,970,897; Aug. 21.
- Parks, Frank M. (See Ghent, W. E., and Parks.)
- Parks, Frederick W., assignor to Bendix-Cowdrey Brake Tester, Inc., South Bend, Ind. Portable stand for sound measuring devices. 1,977,970; Oct. 23.
- Parks, Frederick W., and L. L. Smalley, assignors to Bendix-Cowdrey Brake Tester, Inc., South Bend, Ind. Blower. 1,950,626; Mar. 13.
- Parks, Paul B. (See Russell, E. A., Parks, and Smith.)
- Parks, Paul B., Oak Park, and W. M. Smith, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatic control mechanism. 1,957,664; May 8.
- Parks, Paul B., Oak Park, and W. M. Smith, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatic control circuit. 1,975,614; Oct. 2.
- Parks, Robert F., Bakersfield, Calif. Oil saver. 1,985,327; Dec. 25.
- Parks, Robert J., Cedar City, Mo. Train order holding and delivering structure. 1,978,322; Oct. 23.
- Parks, Walther A., Washington, D. C. Multiple jigsaw puzzle. 1,964,007; June 26.
- Parks & Woolson Machine Company. (See Hogue, John W., assignor.)
- Parks & Woolson Machine Company. (See Richardson, Charles G., assignor.)
- Parkyn, W. B. (See Andresen, George, assignor.)
- Parlante, Frank, Brooklyn, N. Y. Shoe. Des. 93,285; Sept. 11.
- Parlante, Frank, Brooklyn, N. Y. Shoe. 1,951,256; Mar. 13.
- Parlante, Frank, New York, N. Y. Shoe or similar article. Des. 94,160; Dec. 25.
- Parlett, Alexander H., Bellevue, Pa. Sanitary dispensing cabinet for surgical gauze and the like. 1,946,105; Feb. 6.
- Parmele, Howard W. (See Parmele, Welling L., and H. W.)
- Parmele, Howard W., assignor to Naz-Dar Company, Chicago, Ill. Stenciling attachment for platen presses. 1,966,417; July 10.
- Parmele, Welling L., and H. W., assignors to Naz-Dar Company, Chicago, Ill. Printing machine. 1,966,416; July 10.
- Parmelee, Alfred E. (See Calcott, W. S., Parmelee, and Meschter.)
- Parmelee, Alfred E. (See Calcott, W. S., Parmelee and Meschter.)
- Parmelee, Alfred E., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying tetra alkyl lead. 1,975,171; Oct. 2.
- Parmeson, John. (See Riccardi, P., and Parmeson.)
- Parmsley, Cecil O., Bremerton, Wash. Napkin dispensing cabinet. 1,945,911; Feb. 6.
- Parmsley, Cecil O., Bremerton, Wash. Advertising device. 1,972,946; Sept. 11.
- Parnell, John J. (See Knowles, E. B., and Parnell.)
- Parnin, Maurice J., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Box partition. 1,978,719; Oct. 30.
- Parr, Edward D., and E. L. Schwarte, assignors of one-third to A. G. Thies, Covington, Ky. Cake caddy and the like. 1,985,516; Dec. 25.
- Parr, Henry, New York, N. Y. Return letter-form. 1,965,389; July 3.
- Parre, Edwin, Batavia, Ill. Overload releasing device. 1,953,430; Apr. 3.
- Parrett, Arthur N. (See Alvarado, A. M., and Parrett.)
- Parrett, Arthur N., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Asphaltic coating composition and materials coated therewith. 1,982,231; Nov. 27.
- Parri, Tullio, Zongouldak, Turkey. Device giving the appearance of a tied cravat. 1,955,651; Apr. 17.
- Parrign, Homer P., and R. P. Currie, Gates, Tex., assignors to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,948,003; Feb. 20.
- Parrish, Benjamin E., Cody, Wyo. Well packer. 1,956,694; May 1.
- Parrish, Charles R., East Point, Ga. Table for constructing screens and the like. 1,947,794; Feb. 20.
- Parrish, Charles R., East Point, Ga. Frame for screens and the like. 1,950,062; Mar. 6.
- Parrish, Donald F., Des Moines, Iowa. Illumination designator for lamps. 1,952,938; Mar. 27.
- Parrish, George L., assignor of one-half to G. Herrick, Williamsport, Pa. Guiding attachment for band saws. 1,944,524; Jan. 23.
- Parrish, Luther R., assignor to The Slingo Corporation, Ocala, Fla. Sling shot. 1,960,645; May 29.
- Parrisa, Mary B., Philadelphia, Pa. Coating compound. 1,943,926; Jan. 15.
- Parrish, William J., Detroit, Mich., assignor to Curtiss Aerocar Company, Inc., Opa Locka, Fla. Trailer. Des. 91,721; Mar. 13.
- Parrott, Warley L. (See Huit, Charles C., assignor.)
- Parrott, Warley L., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron discharge device. 1,962,969; June 12.
- Parrott, Warley L., East Orange, N. J., assignor to Westinghouse Lamp Company. Heater element electron emitting cathode. 1,972,162; Sept. 4.
- Parrott, William C., Stamford, Conn. Pressure and sealing device for containers. 1,971,727; Aug. 28.
- Parry, Robert D., Northway, Neasden, England, assignor to General Electric Company, New York, N. Y. Electroacoustic device. 1,980,957; Nov. 13.
- Parry, Sidney L., et al. (See Olson, Robert C., assignor.)
- Parshall, Harry R., Chicago, Ill. Sound reproducer. 1,959,005; May 15.
- Parsons, Ben G., assignor to Hurricane Motor Company, Houston, Tex. Piston for two-cycle engines. 1,960,504; May 29.
- Parsons, C. A., & Company. (See Dowson, Robert, assignor.)
- Parsons, Charles A. (See Carnegie, A. Q., Duncan, and Parsons.)
- Parsons, Clyde A., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Force feed lubricator. 1,960,064; May 22.
- Parsons, Clyde A., and L. W. Drott, assignors to McCord Radiator & Mfg. Co., Detroit, Mich. Force feed lubricator. 1,953,771; Apr. 3.
- Parsons Co., The. (See De Wind, Norman, assignor.)
- Parsons, Fred A. (See Hill, John W., assignor.)
- Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 1,944,455; Jan. 23.
- Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine organization. 1,966,967; July 17.
- Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism for machine tools. 1,976,368; Oct. 9.
- Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 1,985,688; Dec. 25.
- Parsons, George K., Detroit, Mich. Supporting standard. 1,970,814; Aug. 21.
- Parsons, George K., Detroit, Mich. Ironer. 1,970,815; Aug. 21.
- Parsons, Harrison O., Houston, Tex., assignor to Standard Oil Development Company. Apparatus for loading tank cars and the like. 1,973,652; Sept. 11.
- Parsons, Harry N., Chicago, Ill., assignor to International Harvester Company. Ball bearing. 1,982,450; Nov. 27.
- Parsons, Herbert S. (See Herring, C. E., and Parsons.)
- Parsons, J. Skelt, Twila, Ky. Combination water front and grate. 1,962,105; June 5.
- Parsons, James A., Dayton, Ohio, assignor to The Durlon Company, Inc. Treating silicon alloy castings. 1,972,103; Sept. 4.
- Parsons, John, Montclair, N. J., assignor to Pan-Ross Laboratories, Inc., New York, N. Y. Self-lighting cigarette. 1,942,899; Jan. 9.
- Parsons, John F., Washington, D. C., assignor to National Vaccine and Antitoxin Institute. Treating psyllium seeds. 1,975,731; Oct. 2.
- Parsons, John H., Ridley Park, Pa. Fire escape. 1,980,595; Nov. 13.
- Parsons, John L., assignor to Hammermill Paper Company, Erie, Pa. Producing stable nitrocellulose. 1,968,466; July 31.
- Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Medium voltage network distribution system. 1,947,100; Feb. 13.
- Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network system of distribution. 1,953,126; Apr. 3.
- Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Back-up protective apparatus for network protectors. 1,953,127; Apr. 3.
- Parsons, John S., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating current network system of distribution. 1,955,311; Apr. 17.
- Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network protector. 1,973,097; Sept. 11.
- Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective system. 1,975,172; Oct. 2.

- Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of distribution. 1,979,703; Nov. 6.
- Parsons, John S., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Relay-operation indicator. 1,966,215; July 10.
- Parsons, Joseph R. (See Ericson, R., Offutt, and Parsons.)
- Parsons, Joseph R., assignor to United States Gypsum Company, Chicago, Ill. Treating ceramic material. 1,954,889; Apr. 17.
- Parsons, Katharine, et al. (See Carnegie, A. Q., Duncan, and Parsons.)
- Parsons, Leon W. (See Steffen, E., van Voorhees, and Parsons.)
- Parsons, Leon W. (See Van Voorhees, B., Steffen, and Parsons.)
- Parsons, Philip D. (See Vernon, W. G., Parsons, and Hires.)
- Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Supporting means for paper rolls. 1,960,452; May 29.
- Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Dispensing device. 1,966,594; July 17.
- Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Dispensing device. 1,966,595; July 17.
- Parsons, Robert J. (See Hawley, C. S., and Parsons.)
- Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Differential engine. 1,971,048; Aug. 21.
- Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric car heater. 1,976,367; Oct. 9.
- Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric resistance unit. 1,982,121; Nov. 27.
- Parsons, Robert J., Schenectady, and J. W. Conway, Mechanicville, assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y. Panel switch. 1,974,468; Sept. 25.
- Parsons, Robert V., Johnstown, Pa. Foot corrective device. 1,941,713; Jan. 2.
- Parsons, Thaddeus, Galveston, Tex. Load carrying vehicle. 1,956,994; May 1.
- Parsons, William, Manila, P. I. Plow. 1,985,618; Dec. 25.
- Partitions, Inc. (See Driver, Arthur S., assignor.)
- Partlow Corporation, The. (See Partlow, Howard W., assignor.)
- Partlow, Howard W., Utica, assignor to The Partlow Corporation, New Hartford, N. Y. Governor for gas-burning heaters. 1,952,332; Mar. 27.
- Partlow, John G., Grand Ledge, assignor of one-half to R. G. Michell, Detroit, Mich. Polisher. 1,954,489; Apr. 10.
- Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Edge guard. 1,981,747; Nov. 20.
- Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Fruit guard. 1,981,748; Nov. 20.
- Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Edge guard. 1,981,749; Nov. 20.
- Partner, Albert A., assignor to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Edge guard. 1,981,750; Nov. 20.
- Partridge, Everett P., Park View Estates, and F. Frass, New Brunswick, N. J., assignors to the United States of America, as represented by the Secretary of Commerce. Recovering potassium salts from minerals. 1,975,798; Oct. 9.
- Parva Products Company. (See Heinze, Paul, assignor.)
- Parva Products Company. (See White, P. W., and Heinze, assignors.)
- Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Door-operating apparatus. 1,950,627; Mar. 13.
- Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Inverter. 1,960,976; May 29.
- Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Door-operating apparatus. 1,979,569; Nov. 6.
- Parvin, Stanley H., Bellevue, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Attachment device for wrist watch straps and the like. 1,978,029; Oct. 23.
- Parvu, Emil T. (See Parvu, Theodore and E. T.)
- Parvu, Theodore, and E. T. Parvu, Sioux City, Iowa. Plow. 1,954,223; Apr. 10.
- Pascale, Pasquale, assignor to Dri-Steam Valve Corporation, New York, N. Y. Locomotive valve. 1,976,291; Oct. 9.
- Pascoe, Alex., New York, N. Y. Self sharpening safety razor. 1,960,952; May 29.
- Pascoe, Alex., New York, N. Y. Hood construction for motor vehicles. 1,960,953; May 29.
- Paseucci, Emilio, assignor to Corning Glass Works, Corning, N. Y. Guide roller. 1,951,946; Mar. 20.
- Pascuzzi, Vincent, Brooklyn, N. Y. Breast buffer. 1,947,101; Feb. 13.
- Pashley, Emil F., Lakewood, Ohio. Artificial bait. 1,951,626; Mar. 20.
- Pasin, Antonio, assignor to Radio Steel & Mfg. Co., Chicago, Ill. Coaster wagon. Des. 91,540; Feb. 20.
- Pasini, Giovanni, Rome, Italy. Reinforced concrete conduit for electric cables. 1,967,561; July 24.
- Pask, Stanley J., Long Island City, assignor to Al H. Woods, New York, N. Y. Camera mechanism. 1,951,038; Mar. 13.
- Pasman, Abram N., Waterbury, Conn. Waste and overflow fitting. 1,941,714; Jan. 2.
- Pass, Sam. (See Levi, Julius, assignor.)
- Pass & Seymour, Inc. (See Cowan, R. Guy, assignor.)
- Pass & Seymour, Inc. (See Despard, Victor R., assignor.)
- Pass & Seymour, Inc. (See Russell, Mark N., assignor.)
- Pass & Seymour, Inc. (See Russell, M. N., and Despard, assignors.)
- Pass & Seymour, Inc. (See Steele, H. V., and Despard, assignors.)
- Passarelli, Frank, Mizpah, N. J. Doll. 1,960,876; May 29.
- Passier, Herbert T., Boston, Mass. Gauge. 1,981,751; Nov. 20.
- Pastak, Isaak. (See Truffaut, G., and Pastak.)
- Pasternack, Richard, Brooklyn, and G. O. Cragwall, Queens Village, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Manufacture of leather. 1,941,485; Jan. 2.
- Pasternack, Richard, Brooklyn, and W. R. Giles, Richmond Hill, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Preparation of gluconic acid and its lactones. 1,942,660; Jan. 9.
- Pasternack, Richard, Brooklyn, N. Y., Francis L. Mead, Jersey City, N. J., and John L. Davenport, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Crystalline anhydrous citric acid and making same. 1,965,429; July 3.
- Pasternack, Richard, Brooklyn, N. Y., and W. R. Giles, Narberth, Pa., assignors to Charles Pfizer & Company, Brooklyn, N. Y. Stable calcium gluconate solution and making same. 1,965,535; July 3.
- Patch, Allen J., Ripon, Wis. Oscillating mechanical movement for washing machines and the like. 1,964,440; June 26.
- Patch, Roy N., assignor to J. Nelson Manning Shoe Mfg. Co., Worcester, Mass. Card holder. 1,984,594; Dec. 18.
- Patche, Henry B., Kansas City, Mo., assignor to Genesey Electric Lantern Company, Rawlins, Wyo. Electric lamp. 1,959,638; May 22.
- Patchell, Sarah B., and C. T. Maxwell, Spokane, Wash. Electrical cooking appliance. 1,944,365; Jan. 23.
- Patchen, Robert, McLaughlin, S. Dak. Green corn sheller. 1,965,469; July 3.
- Patchogue-Plymouth Mills Corporation. (See Geller, Hugo, assignor.)
- Patco, Inc. (See Baylis, Walter S., assignor.)
- Patco, Inc. (See Burns, Bruce, assignor.)
- Patco, Inc. (See de Ybarrodo, Vincent C., assignor.)
- Patco, Inc. (See Graham, Harold, assignor.)
- Patco, Inc. (See Harris, Ford W., assignor.)
- Pate, Frank, Shawmut, Ala., assignor to Draper Corporation, Hopedale, Mass. Salvage trimming device. 1,971,232; Aug. 21.
- Patek, John M., Milwaukee, Wis. Flotation process for nonsulphide ore. 1,953,431; Apr. 3.
- Patent Button Company, The. (See Abel, Walter T., assignor.)
- Patent Button Company, The. (See Carley, Leonard B., assignor.)
- Patent Button Company, The. (See Purinton, Forrest G., assignor.)
- Patent Button Company, The. (See White, Franklin R., assignor.)
- Patent Engineering Corporation. (See Rockwell, Edward A., assignor.)
- Patent Engineering Corporation. (See Van Deventer, Harry R., assignor.)
- Patent Engineering Corporation. (See Van Deventer, H. R., and McKeown, assignors.)
- Patent Engraving Corporation. (See Van Deventer, H. R., and Warren, assignors.)
- Patent Enterprises Limited. (See McMullen, Carlton L., assignor.)
- Patent and Licensing Corporation, The. (See Avery, Henry C., assignor.)
- Patent and Licensing Corporation, The. (See Barrall, Arthur L., assignor.)
- Patent and Licensing Corporation, The. (See Beckman, Bernard C., assignor.)
- Patent and Licensing Corporation, The. (See Beckman, B. C., and Hofmann, assignors.)
- Patent and Licensing Corporation, The. (See Beckman, Herman E., assignor.)
- Patent and Licensing Corporation. (See Betjeman, Daniel C., assignor.)
- Patent and Licensing Corporation, The. (See Caton, Maurice L., assignor.)
- Patent and Licensing Corporation, The. (See Douthett, Orin R., assignor.)
- Patent and Licensing Corporation, The. (See Fain, Jacob M., assignor.)
- Patent and Licensing Corporation, The. (See Gilchrist, Frank H., assignor.)
- Patent and Licensing Corporation, The. (See Heitman, Moritz J., assignor.)
- Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
- Patent and Licensing Corporation, The. (See Kirschbraun, L., and Levin, assignors.)
- Patent and Licensing Corporation, The. (See Levin, Harold L., assignor.)
- Patent and Licensing Corporation, The. (See Limburg, Hyman, assignor.)
- Patent and Licensing Corporation, The. (See Loebel, Zanzvil C., assignor.)
- Patent and Licensing Corporation, The. (See Overbury, Frederick C., assignor.)

- Patent and Licensing Corporation, The. (See Payne, Gerald B., assignor.)
- Patent and Licensing Corporation, The. (See Pinoff, Friedrich M. O., assignor.)
- Patent and Licensing Corporation, The. (See Plunkett, John H., assignor.)
- Patent and Licensing Corporation, The. (See Rahr, Chester E., assignor.)
- Patent and Licensing Corporation, The. (See Rahr, Fred-eric H., assignor.)
- Patent and Licensing Corporation, The. (See Walton, Samuel F., assignor.)
- Patent and Licensing Corporation, The. (See Wettlaufer, Jules L., assignor.)
- Patent Product Corporation of Chicago. (See White, George H., assignor.)
- Patent Securities Company. (See Livingston, Jay K., assignor.)
- Patent and Security Holding Corporation. (See Grayson, R. V., and Ballenger.)
- Patentaktiebolaget Gröndal-Ramen. See Lenander, Nils E., assignor.)
- Patentzuender Union Aktiengesellschaft. (See Lück, Willy, assignor.)
- Pater, Carl J., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Expansion joint. 1,961,077; May 29.
- Paterson, Alexander, Buffalo, N. Y. Sheet rolling mill. 1,953,190; Apr. 3.
- Paterson, David, assignor to F. W. McNabb, A. E. Pearson, and J. Craddock, Toronto, Ontario, Canada. Under-slung brake head. 1,963,335; June 19.
- Paterson Engineering Company. (See Smalley, William, assignor.)
- Paterson, John C., and G. R. Baker, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Machine for depositing semifluid material in molds. 1,973,225; Sept. 11.
- Paterson, John L., and A. B. Edwards, Ventura, Calif. Pump valve. 1,949,874; Mar. 6.
- Paterson Parchment Paper Company. (See Strawn, Ervin E., assignor.)
- Paterson Parchment Paper Company, The. (See Wrede, Hans, assignor.)
- Paterson, Thomas W., Allerton, Liverpool, England. Hydraulic transmission of power. 1,979,570; Nov. 6.
- Paterson, Wilmot M., Wellesley, assignor to Trimont Manufacturing Co. Inc., Roxbury, Mass. Pipe swaging clamp. 1,962,522; June 12.
- Patesta Sabatius et al. (See Hank, Luther V., assignor.)
- Patino, Carlos E., Long Island City, N. Y. Reproducing arm. 1,963,673; June 19.
- Patock, Charles, assignor of one-half to F. E. Hummel, Chicago, Ill. Grip for kitchen utensils. 1,965,354; July 3.
- Patocka, Theodore F., College Point, N. Y., assignor to Thomas R. Brooks, Scranton, Pa. Control valve for fluid systems. 1,951,768; Mar. 20.
- Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,943,547; Jan. 16.
- Paton, Clyde R., Birmingham, Mich., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Free wheeling transmission device. 1,956,995; May 1.
- Paton, Roy W., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston skirt expander. 1,951,837; Mar. 20.
- Patrick, Joseph C., Trenton, N. J. Olefin-Polysulphide plastic. Re19,207; June 12.
- Patrick, Joseph C., Trenton, N. J. Soluble polysulphide and organic compound reaction product and process. 1,962,460; June 12.
- Patrick, Joseph C., Kansas City, Mo. Olefin-polysulphide plastic. 1,950,744; Mar. 13.
- Patrick, Joseph C., Kansas City, Mo. Electrical conductor. 1,981,968; Nov. 27.
- Patrick, Russell, assignor to United States Tire Company, Incorporated, Indianapolis, Ind. Connector. 1,946,106; Feb. 6.
- Patrick, Wilbur W. (See Ingersoll, S. L., Patrick, and Borg.)
- Patricoski, Peter P., Mount Carmel, Pa. Fishhook holder. 1,957,352; May 1.
- Patrol Valve Company, The. (See Castonguay, Leger S., assignor.)
- Patrol Valve Company, The. (See Evans, V. J., and Castonguay, assignors.)
- Patrol Valve Company, The. (See Marvin, John T., assignor.)
- Patrol Valve Company, The. (See Te Pas, Edmund J., assignor.)
- Patten, Ernest L., New Haven, Conn., assignor to American Rubber Company, East Cambridge, Mass. Foot-wear assembling conveyor. 1,953,255; Apr. 3.
- Patten, Ernest L., New Haven, assignor to The Goodyear's India Rubber Glove Manufacturing Co., Naugatuck, Conn. Article assembling conveyor. 1,953,256; Apr. 3.
- Patten, Murray K. (See Chance, C. T., and Patten.)
- Patten, Raymond E., Bridgeport, Conn., assignor to Edison General Electric Appliance Company. Electric range. 92,765; July 10.
- Patten, Roger W., Framingham, Mass. Ski. Des. 91,593; Feb. 20.
- Patten, Thomas C., Tyler, Tex. Tubing bottom. 1,974,664; Sept. 25.
- Patterson, Arthur C., Portland, Oreg., assignor to American Can Company, New York, N. Y. Apparatus for reforming can bodies. 1,958,393; May 8.
- Patterson-Ballagh Corporation. (See Bettis, William I., assignor.)
- Patterson, Charles L., New York, N. Y. Yeasted milk. 1,965,355; July 3.
- Patterson, Clarence L., assignor to The International Manufacturing Company, Cincinnati, Ohio. Socket moving device. 1,972,947; Sept. 11.
- Patterson, Edward B., Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Control system. 1,977,997; Oct. 23.
- Patterson, Edward W., Pittsburg, Kans. Ash receptacle and ejector. 1,951,991; Mar. 20.
- Patterson, Edwin M., Ingram, Pa. Clothesline reel. 1,950,745; Mar. 13.
- Patterson, Elmer, Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Harvester. 1,960,594; May 29.
- Patterson, Everett M., Orange, and A. D. Shaw, National Park, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Formation of recording blanks. 1,960,025; May 22.
- Patterson, Frank S. (See Freed, C. J., Baum, and Patterson.)
- Patterson, Franklin M. (See Gibson, G. H., and Patterson.)
- Patterson, Franklin M., Pitman, N. J., assignor to Cochran Corporation, Philadelphia, Pa. Blow-off valve. 1,951,037; Mar. 13.
- Patterson, Franklin M., Pitman, N. J., assignor to Cochran Corporation, Philadelphia, Pa. Steam trap. 1,961,448; June 5.
- Patterson, George B. (See Culler, H. H., and Patterson.)
- Patterson, Gordon D. (See Murray, H. A., jr., and Patterson.)
- Patterson, Gordon D., Wilmington, and R. A. Shive, Bellemoor, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin and composition containing it. 1,984,153; Dec. 11.
- Patterson, Grier D. (See Chapline, Jacob B., assignor.)
- Patterson, Harry W., Walkerville, Ontario, Canada. Flushing tank. 1,963,211; June 19.
- Patterson, James M., Solisbury, Ind. Closing device. 1,959,384; May 22.
- Patterson, James M., San Antonio, Tex. Wheel mounting tool. 1,969,233; Aug. 7.
- Patterson, James M., Waban, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Protector for hose and similar articles. 1,977,775; Oct. 23.
- Patterson, Jardine C., assignor of one-fifth to F. J. Duke, and one-fifth to J. Shatz, Martin, Tenn. Self-serving cigar humidifier-jar. 1,965,129; July 3.
- Patterson, John L., assignor to Richmond Beverage Machine Corporation, Richmond, Va. Automatic liquid dispenser. 1,982,535; Nov. 27.
- Patterson, John S., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Buck for pressing machines. 1,976,576; Oct. 9.
- Patterson, Joseph W., assignor to J. A. Vaughan Manufacturing Company, Tulsa, Okla. Sprayer. 1,957,845; May 8.
- Patterson, Morehead, New York, N. Y., assignor to American Machine & Foundry Company. Cigarette package. 1,948,593; Feb. 27.
- Patterson, Morehead, New York, and R. F. Rundell, Rockville Center, N. Y., assignors to International Cigar Machinery Company. Treating cigar bunches. 1,948,626; Feb. 27.
- Patterson, Peter C. (See Dunn, J. J., and Patterson.)
- Patterson, Philip A., assignor to McAleer Manufacturing Company, Detroit, Mich. Abrading and polishing composition. 1,965,299; July 3.
- Patterson, Philip D., San Francisco, Calif. Flashlight timing device for cameras. 1,959,596; May 22.
- Patterson, Philip D., Moseley, England, assignor to Dunlop Rubber Company Limited. Manufacture of rubber goods. 1,980,943; Nov. 13.
- Patterson, Samuel A., assignor to A. P. Grommesch, Seattle, Wash. Treating an Irish potato to remove the corky layer and the product thereof. 1,948,884; Feb. 27.
- Patterson, Ward W., Webster Groves, Mo. Advertising device. 1,957,665; May 8.
- Patterson, William G., and D. A. Christian, London, and W. H. Grinstead, Bromley, assignors to Siemens Brothers & Company Limited, London, England. Telephone system. 1,971,501; Aug. 28.
- Patterson, William G., Motttingham, London, and D. P. Long, Chislehurst, assignors to Siemens Brothers & Company Limited, London, England. Telephone system. 1,974,159; Sept. 18.
- Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Binocular microscope. 1,962,834; June 12.
- Patterson, William L., and G. B. Gallasch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 1,958,280; May 8.
- Patton, William S. (See Kynnaugh, H. A., and Newton.)
- Patton, Bernard J., deceased, by J. V. Patton, Cleveland, Ohio, administratrix. Refractory material. 1,984,759; Dec. 18.

- Patton, Cuyler S., and E. N. Boswell, assignor to Alco Products, Incorporated, New York, N. Y. Making pipe. 1,952,217; Mar. 27.
- Patton, James D., Windber, Pa. Window. 1,981,752; Nov. 20.
- Patton, Josephine V., administratrix. (See Patton, Bernard J.)
- Patton, Willis A., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Thrust plate for pumps. 1,972,632; Sept. 4.
- Paugh, Charles T., assignor to Wolverine Tube Company, Detroit, Mich. Apparatus for bright annealing tubes. 1,960,453; May 29.
- Paugh, James J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding electrode. 1,943,771; Jan. 16.
- Paugh, James J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method of and machine for resistance welding. 1,970,941; Aug. 21.
- Paul, Abraham S., Brooklyn, N. Y. Windshield heater. 1,983,485; Dec. 4.
- Paul, Donald W., Elgin, Ill. Musical instrument. 1,969,147; Aug. 7.
- Paul, Donald W., Elgin, Ill. Furniture. 1,976,140; Oct. 9.
- Paul, Fred L., Fort Wayne, Ind. Score keeping device. Des. 91,897; Apr. 3.
- Paul, Joseph A., Chicago, Ill. Automatic fire door. 1,955,826; Apr. 24.
- Paul, Marcel. (See Hugel, G., Paul, and Boistel.)
- Paul, Moriz J. A., Waldhofen-on-the-Ybbs, Austria, assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, England. Doffing mechanism for flyer spinning, doubling, twisting, and like machines. 1,983,000; Dec. 4.
- Paul, Percy V., West Concord, Sydney, Australia. Construction of sporting articles. 1,949,325; Feb. 27.
- Paul, Richard C., Los Angeles, Calif. Combination shirt and trunks. 1,957,725; May 8.
- Paul, Richard C., Los Angeles, Calif. Combined shirt and trunks. 1,957,726; May 8.
- Paul, Sydney, assignor to Superior Body Company, Lima, Ohio. Funeral car. 1,978,720; Oct. 30.
- Paul, Talbert W., Kansas City, Kans., assignor to Deere & Company, Moline, Ill. Slip clutch. 1,942,217; Jan. 2.
- Paul, Talbert W., Kansas City, Kans., assignor to Deere & Company, Moline, Ill. Mower. 1,946,543; Feb. 13.
- Paul, Talbert W., Kansas City, Kans., assignor to Deere & Company, Moline, Ill. Mower. 1,946,544; Feb. 13.
- Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Hitch device. 1,966,679; July 17.
- Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Lever. 1,974,973; Sept. 25.
- Paul, Talbert W., Kansas City, Kans., assignor to Deere & Company, Moline, Ill. Hitch device. 1,975,237; Oct. 2.
- Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupting apparatus. 1,947,224; Feb. 13.
- Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric circuit breaker. 1,949,258; Feb. 27.
- Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric circuit breaker. 1,970,392; Aug. 14.
- Paulding, Herbert L. (See Vischer, A., jr., and Paulding.)
- Paulding, Herbert L., Great Neck, N. Y., assignor to The Financial Press Companies of America, Boston, Mass. Printing telegraph. 1,957,076; May 1.
- Paulding, John I., Inc. (See Johnson, Frank E., assignor.)
- Paulding, John I., Inc. (See Wack, Henry K., assignor.)
- Pauli, Hjalmar I., Greensburg, Pa. Match holder. 1,976,189; Oct. 9.
- Paulick, Herman R., assignor to Dearborn Glass Company, Chicago, Ill. Ventilator. 1,956,249; Apr. 24.
- Paulin, Josua G., Eskilstuna, Sweden. Measuring and registering instrument. 1,943,393; Jan. 16.
- Paulin, Josua G., Eskilstuna, Sweden. Damping device for measuring instruments. 1,959,544; May 22.
- Paulin, Josua G., Eskilstuna, Sweden. Compensating device in measuring apparatus. 1,980,732; Nov. 13.
- Paulin, Josua G., Eskilstuna, Sweden. Measuring instrument. 1,983,305; Dec. 4.
- Paulin, Josua G., Eskilstuna, Sweden. Measuring instrument. 1,983,486; Dec. 4.
- Pauling, John W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 1,961,778; June 5.
- Pauli, Samuel O. (See Ice, James N., assignor.)
- Paulsen, Frederik, assignor to Paulsen Manufacturing Co., Chicago, Ill. Detachable window. 1,950,949; Mar. 13.
- Paulsen Manufacturing Co. (See Paulsen, Frederik, assignor.)
- Paulsen, William R. (See Roth, J. L., and Paulsen.)
- Paulson, George M. (See Payne, H. F., and Paulson.)
- Paulson, George M., assignor to The B. G. Corporation, New York, N. Y. Shielded spark plug. 1,959,442; May 22.
- Paulson, George M., assignor to The B. G. Corporation, New York, N. Y. Spark plug. 1,959,639; May 22.
- Paulson, Hjalmer. (See Sharpe, R. J., and Pekonen, assignors.)
- Paulson, Knut W., Chicago, Ill. Clutch mechanism. 1,960,547; May 29.
- Paulson, Peter A., Appleton, Wis. Production of paper pulp. 1,969,421; Aug. 7.
- Paulson, Walter H., assignor to H. D. Lathrop, Chicago, Ill. Chain. 1,956,298; Apr. 24.
- Paulucci, Julius, New York, N. Y. Gas burner. 1,955,512; Apr. 17.
- Paulus, Max G., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oil. 1,983,919; Dec. 11.
- Paulus, William. (See Oishei, J. R., and Paulus.)
- Paulus, William. (See Oishei, J. R., Hueber, Paulus, and Horton.)
- Paulus, William, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner arm. 1,942,661; Jan. 9.
- Paulus, William, assignor to Trico Products Corporation, Buffalo, N. Y. Rear view mirror for folding windshield stanchions. 1,956,518; Apr. 24.
- Pauly Jail Building Company. (See Tracy, Michael J., assignor.)
- Pautler, Ray W., St. Louis, Mo. Safety razor. 1,979,404; Nov. 6.
- Pavek, Edward, Minneapolis, Minn. Mop squeezing device. 1,946,637; Feb. 13.
- Pavelka, Joseph, Richmond Heights, Mo. Toaster. 1,951,667; Mar. 20.
- Pavesl, Louis, San Francisco, Calif. Plaster board. 1,949,692; Mar. 6.
- Pavey, Frederick W. (See Jackes, S. F., and Pavey.)
- Pavia, Luigi, Allentown, Calif. Tensioning device for shuttles. 1,975,019; Sept. 25.
- Pavitt, William H., Bronxville, N. Y. Coke oven. 1,973,015; Sept. 11.
- Pavitt, William H., Bronxville, N. Y. Vehicle position indicator. 1,981,188; Nov. 20.
- Pavlečka, Jan, Horni Berkovice, Czechoslovakia, assignor to J. Pavlečka, Detroit, Mich. Flowerpot. 1,953,363; Apr. 3.
- Pavlečka, John. (See Pavlečka, Jan, assignor.)
- Pawlek, Franz. (See Dahl, O., and Pawlek.)
- Pawlinger, Herbert L., New York, N. Y. Radio program reminder. Des. 91,962; Apr. 10.
- Pawling, Henry J., assignor to Salem Glass Works, Salem, N. J. Bottle. 1,942,568; Jan. 9.
- Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company. Spare wheel and tire carrier. 1,962,835; June 12.
- Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company. Crate for bottles. 1,974,290; Sept. 18.
- Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Sausage mold. 1,976,088; Oct. 9.
- Pawsat, Ruben L., Maysville, Ky., assignor to Wald Manufacturing Company. Device for compressing piston rings and cleaning grooves. 1,979,767; Nov. 6.
- Paxton Credit Corporation. (See Paxton, Hale, assignor.)
- Paxton Credit Corporation. (See Stage, Harry I., assignor.)
- Paxton, Elisha W., Washington, Pa., assignor, by mesne assignments, to Mississippi Glass Company, New York, N. Y. Method of and apparatus for severing wire glass. 1,959,545; May 22.
- Paxton, Elisha W., and A. W. Schmid, Washington, Pa., assignors, by mesne assignments, to Mississippi Glass Company, New York, N. Y. Apparatus for and making wire glass. 1,960,315; May 29.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Crate making machine. 1,945,120; Jan. 30.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Lidding and strapping machine. 1,947,917; Feb. 20.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Combined cover press and strapper. 1,947,918; Feb. 20.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Method of and apparatus for nailing crates. 1,949,108; Feb. 27.
- Paxton, Hale, Redlands, Calif., assignor, by mesne assignments, to Acme Steel Company, Chicago, Ill. Combined lidding and strapping machine. 1,955,144; Apr. 17.
- Paxton, Hale, Redlands, Calif., assignor, by mesne assignments, to Acme Steel Company, Chicago, Ill. Securing covers to crown packed shipping cases. 1,956,808; May 1.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Chuck shifting mechanism for lidding machines. 1,959,839; May 22.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Automatic stop. 1,963,377; June 19.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Apparatus for folding paper linings. 1,974,192; Sept. 18.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Disposing of cull lettuce. 1,977,644; Oct. 23.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Method of and apparatus for applying covers to crown packed shipping cases. 1,978,503; Oct. 30.
- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Crate centering device for lidders. 1,978,504; Oct. 30.

- Paxton, Hale, Redlands, assignor to Paxton Credit Corporation, Sanger, Calif. Cleat supporting mechanism 1,985,055; Dec. 18.
- Paxton, Robert, Philadelphia, Pa., assignor to General Electric Company. Control of electric switches. 1,961,779; June 5.
- Paxton, Robert, Drexel Hill, Pa., assignor to General Electric Company. Electric switch operating mechanism. 1,969,576; Aug. 7.
- Paxton, Robert, Carroll Park, Pa., assignor to General Electric Company. Electrical switch gear. 1,971,831; Aug. 28.
- Paxton, Robert, Lansdowne, Pa., assignor to General Electric Company. Electrical switch gear. 1,971,832; Aug. 28.
- Paxton, Worthen. (See Bel Geddes, N., and Paxton.)
- Paxton, Worthen. (See Geddes, N. B., Paxton, and Stangle.)
- Payne, Alexander F., Redditch, England. Valve cotter for internal-combustion engines. 1,947,534; Feb. 20.
- Payne, Benjamin W., New Mills, assignor to The Calico Printers' Association Limited, Manchester, England. Printing machine. 1,979,205; Oct. 30.
- Payne, Burt H., Westfield, assignor to Stulz-Sickles Company, Newark, N. J. Alloys. 1,947,167; Feb. 13.
- Payne, Caleb, Chicago, Ill. Locking bolt. 1,956,745; May 1.
- Payne, Clarence Q., Stamford, Conn. Magnetic separator. 1,958,521; May 15.
- Payne, Cleveland, Memphis, Tenn. Obstetrical table. 1,942,344; Jan. 2.
- Payne, Daniel R., New York, N. Y. Holder for pull match packets. 1,961,078; May 29.
- Payne, Donald E., assignor to Standard Oil Company, (Indiana) Chicago, Ill. Hydrogenation of oils. 1,972,948; Sept. 11.
- Payne, Elmer H., Wood River, Ill., assignor to Standard Oil Company (Indiana), Whiting, Ind. Core oil. 1,970,916; Aug. 21.
- Payne, Elmer H., and C. C. Miller, Wood River, assignors to Standard Oil Company (Indiana) Chicago, Ill. Vacuum distillation. 1,958,547; May 15.
- Payne, El Roy L., Los Angeles, Calif., assignor to Gas Furnace Control Co. Electrically operated valve. 1,961,386; June 5.
- Payne, El Roy L., assignor to Payne Furnace & Supply Company, Inc., Beverly Hills, Calif. Thermostat control. 1,970,942; Aug. 21.
- Payne, Ernest E. M., Narborough, near Leicester, England. Treatment of wood, fiber board, wood pulp, wood fiber, and the like. 1,942,977; Jan. 9.
- Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Packing. 1,964,272; June 26.
- Payne, Fred S., West Orange, N. J. Oiling device. 1,953,346; May 8.
- Payne Furnace & Supply Company. (See Payne, El Roy L., assignor.)
- Payne Furnace & Supply Company. (See Payne, Harry V., assignor.)
- Payne, Gerald B., Scranton, Pa., assignor to The Patent and Licensing Corporation, Boston, Mass. Roofing shingle. 1,962,612; June 12.
- Payne, Gerald B., Scranton, Pa., assignor to The Patent and Licensing Corporation, Boston, Mass. Shingle. 1,962,613; June 12.
- Payne, Harry V., assignor to Payne Furnace & Supply Company, Inc., Beverly Hills, Calif. Heater. Des. 93,181; Aug. 28.
- Payne, Hugh F., Long Island City, and G. M. Paulson, assignors to The B. G. Corporation, New York, N. Y. Series glow-plug. 1,950,457; Mar. 13.
- Payne, John H., Ballston Spa, N. Y., assignor to General Electric Company. Pressure measuring device. 1,953,819; Apr. 8.
- Payne, John H., Ballston Spa, N. Y., assignor to General Electric Company. Thermostatic control for electron discharge devices. 1,955,560; Apr. 17.
- Payne, Le Roy, San Francisco, and T. W. W. Forrest, Fresno, Calif. Raisin treatment apparatus and method. 1,966,680; July 17.
- Payne, Louis G., Dayton, Washington. Lock and container. 1,979,405; Nov. 6.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft end controller for weft replenishing looms. Re19,100; Mar. 6.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Delayed feeler control stopping mechanism for looms. 1,965,154; July 3.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stopping mechanism for looms. 1,965,155; July 3.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic weft detecting mechanism for looms. 1,977,083; Oct. 16.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Recording device for looms. 1,983,872; Dec. 11.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread extractor for weft replenishing looms. 1,979,764; Nov. 6.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft replenishing looms. 1,979,765; Nov. 6.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Inertia-actuated weft detector. 1,979,766; Nov. 6.
- Payne, Ralph B., Elma, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Phenolic compound of color bases. 1,953,309; Apr. 3.
- Payne, Ralph B., Elma, and K. F. Conrad, Buffalo, assignors to National Aniline and Chemical Company, Inc., New York, N. Y. Coloring matter derived from pyrazolones. 1,983,045; Dec. 4.
- Payne, Raymond L., and G. E. Marica, Denver, Colo. Air conditioner and humidifier. 1,948,277; Feb. 20.
- Payne, Raymond L., and G. E. Marica, Denver, Colo. Spray forming and air conditioning device. 1,948,278; Feb. 20.
- Payne, Reginald W., and R. P. Roberts, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial threads or filaments. 1,959,443; May 22.
- Payne, Walter B. (See Dreyfuss, H., and Payne.)
- Payne, Walter B. (See Todd, L. M., and Payne.)
- Pays, Achille, Nantes, France. Method and machine for the treatment of grain. 1,972,666; Sept. 4.
- Payton, James Y., Long Beach, Calif. Signaling device for typewriters. 1,945,753; Feb. 6.
- Payzant, Henry H., assignor to General Timber Service, Inc., St. Paul, Minn. Lumber trimming and marking machine. 1,966,396; July 10.
- Payzant, Henry H., and P. F. Lueth, assignors to General Timber Service, Inc., St. Paul, Minn. Lumber trimming and marking machine. 1,977,971; Oct. 23.
- Pazandak, Louis A., Minneapolis, Minn. Box lid holder. 1,945,375; Jan. 30.
- Pazzetti, Vincent J. (See Bent, Q., Entwistle, and Pazzetti.)
- Pazziani, Auguste, and A. Chalut, Geneva, Switzerland. Process and apparatus for constructing fabric pattern cards. 1,946,787; Feb. 13.
- Peabody, Andrew J., Tulsa, Okla. Air cooling device. 1,965,255; July 3.
- Peabody Engineering Corporation. (See Graham, David P., assignor.)
- Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)
- Peabody, Ernest H., assignor to Peabody Engineering Corporation, New York, N. Y. Air register for fuel burners. 1,948,627; Feb. 27.
- Peabody, Eugene O., Fort Washington, Pa. Leather belt for waist belts or similar article. Des. 91,495; Feb. 13.
- Peabody, James A., Evanston, Ill., assignor to General Railway Signal Company, Rochester, N. Y. Power-operated lock for spring switches. 1,980,084; Nov. 6.
- Peace, John D., Jr., Malba, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Pitot-static tube. 1,971,534; Aug. 28.
- Peace, Minor E., Magnolia, Ark. Portable sawmill. 1,984,492; Dec. 18.
- Peacock, Everette R. (See McComb, Alfred H., assignor.)
- Peacock, Herbert, Altrincham, assignor to Linotype and Machinery Limited, London, England. Typographical composing and distributing machine. 1,960,646; May 29.
- Peak, Thomas, Philadelphia, Pa. Beverage cooling and dispensing system. 1,952,278; Mar. 27.
- Peake, Edward S., assignor to The Kilgore Manufacturing Company, Westerville, Ohio. Lock. 1,943,988; Jan. 16.
- Peake, Edward S., assignor to The Kilgore Manufacturing Company, Westerville, Ohio. Gas cannon. 1,970,017; Aug. 14.
- Peake, Edward S., assignor to The Kilgore Mfg. Company, Westerville, Ohio. Lock. 1,976,089; Oct. 9.
- Peake, Edward S., Westerville, assignor to The Kilgore Mfg. Company, Waterville, Ohio. Toy weapon. 1,980,290; Nov. 13.
- Peake, John G., assignor to Timbrol Limited, Rhodes, near Sydney, New South Wales, Australia. Extraction of phenols. 1,945,376; Jan. 30.
- Peale-Davis Company. (See Allen, Andrews, assignor.)
- Peale-Davis Company. (See Davis, Kenneth, assignor.)
- Peale-Davis Company. (See Peale, Richard, assignor.)
- Peale-Davis Company. (See Peale, R., and Davis, assignors.)
- Peale-Davis Company. (See Peale, Richard and R., jr., assignors.)
- Peale, Rembrandt, jr. (See Peale, Richard and R., jr.)
- Peale, Rembrandt, trustee, et al. (See Durham, Hobart N., assignor.)
- Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,941,490; Jan. 2.
- Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Separating intermixed divided materials. 1,976,292; Oct. 9.
- Peale, Richard and R., jr., St. Benedict, Pa., assignors, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and apparatus for separating intermixed divided materials. 1,949,729; Mar. 6.
- Peale, Richard, St. Benedict, and K. Davis, Ebensburg, Pa., assignors, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Sizing partite material. 1,961,449; June 5.
- Peale, Richard, St. Benedict, and K. Davis, Ebensburg, Pa., assignors, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,983,487; Dec. 4.

- Pealer, Robert B., assignor to The Borden Company, Warren, Ohio. Pipe threading machine. 1,947,874; Feb. 20.
- Pealer, Robert B., Parkman, and C. W. Shafer, assignors to The Borden Company, Warren, Ohio. Pipe working tool. 1,969,854; Aug. 14.
- Pearce, Edwin S., Indianapolis, Ind. Journal bearing lubrication. 1,964,688; June 26.
- Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Method of and apparatus for mixing oils. 1,971,379; Aug. 28.
- Pearce, E. W. (See Church, Walter L., assignor.)
- Pearce, Fred H. (See Mattern, J. H., and Pearce.)
- Pearce, Herbert, Altrincham, England, assignor to General Electric Company. Electric circuit interrupter. 1,953,820; Apr. 3.
- Pearce, John W. B., Toledo, Ohio. Universal joint. 1,967,840; July 24.
- Pearce, John W. B., Toledo, Ohio. Double universal joint. 1,979,768; Nov. 6.
- Pearce, Louis M. (See Church, W. L., Pearce, and Clark.)
- Pearce, Louis M. (See Clark, J. K., Pearce, and Church.)
- Pearce, Marshall G., et al. (See Colella, Louis A., assignor.)
- Pearce, W. L. (See Church, Walter L., assignor.)
- Pearce, William L., Houston, Tex. Drill. 1,945,159; Jan. 30.
- Pearce, William L., Houston, Tex. Drill. 1,945,160; Jan. 30.
- Pearcy, Noah C., Park Ridge, Ill., assignor to Westinghouse Electric & Manufacturing Company. Space-current device. 1,981,245; Nov. 20.
- Pearl, Herman H., Lordville, N. Y. Utensil cover and releasing means therefor. 1,974,831; Sept. 25.
- Pearl, William E., Brooklyn, N. Y. Spray device. 1,945,701; Feb. 6.
- Pearlman, Julius. (See Kindelmann, A., Jones, Pearlman, and Ostrander.)
- Pearlman, Julius, assignor to International Projector Corporation, New York, N. Y. Lens attaching means for cameras. 1,984,544; Dec. 18.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,963,277; June 19.
- Pearmain, William J., assignor to The Twin Disc Clutch Company, Racine, Wis. Clutch. 1,964,479; June 26.
- Pearmain, William J., assignor to The Twin Disc Clutch Company, Racine, Wis. Clutch. 1,967,322; July 24.
- Pearmain, William J., assignor to The Twin Disc Clutch Company, Racine, Wis. Clutch. 1,969,149; Aug. 7.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,971,380; Aug. 28.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,985,422; Dec. 25.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,985,423; Dec. 25.
- Pearmain, William J., Racine, Wis., and L. E. Hodges, Houston, Tex., assignors of one-half to The Twin Disc Clutch Company, Racine, Wis., and one-half to Portable Rig Clutch Company, Inc., Houston, Tex. 1,978,687; Oct. 30.
- Pearsall, David E., Pittsburgh, Pa., assignor to The Ensign-Bickford Co., Simsbury, Conn. Composition of matter. 1,968,907; Aug. 7.
- Pearse, Benjamin H., San Antonio, Tex. Reversible shirt. 1,975,285; Oct. 2.
- Pearse, Frank N., Victoria Park, Western Australia, Australia. Float controlled valve. 1,980,430; Nov. 13.
- Pearson, Arvid, Elmhurst, N. Y. Pull-cord lock. 1,951,528; Mar. 20.
- Pearson, Arvid, and J. D. Kreis, Cleveland, Ohio; said Kreis assignor to said Pearson. Surface decorating mechanism. 1,966,311; July 10.
- Pearson, August B., et al. (See Paterson, David, assignor.)
- Pearson, Axel A., Kansas City, Mo. Half-tone screen. 1,945,865; Feb. 6.
- Pearson, Carl A., Denver, Colo. Valve construction. 1,944,456; Jan. 23.
- Pearson, Carl A., assignor to National Transit Pump & Machine Company, Oil City, Pa. Self-locking pipe clamp for field welding. 1,952,605; Mar. 27.
- Pearson, Charles, Waverly, Fla., assignor to International Harvester Company. Bunching attachment for tractor mowers. 1,960,277; May 29.
- Pearson, Charles, Waverly, Fla., assignor to International Harvester Company. Tractor mower. 1,973,993; Sept. 18.
- Pearson, Erick, Minneapolis, Minn. System for automatic parallel coupling of synchronous alternating current machines. 1,944,996; Jan. 30.
- Pearson, Erick, Minneapolis, Minn. Synchronizer. 1,945,494; Jan. 30.
- Pearson, George, Salt Lake City, Utah. Grinding device. 1,954,575; Apr. 10.
- Pearson, George, Crystal Lake, Ill., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Socket. 1,949,359; Feb. 27.
- Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Tool retainer. 1,969,150; Aug. 7.
- Pearson, Harold B., London County, assignor to Rolls Razor Limited, London, England. Safety razor. 1,960,680; May 29.
- Pearson, Harold J. C., and B. T. Wellborne, Atlanta, Ga. Loud speaker indicator. 1,958,153; May 8.
- Pearson, Harold J. C., Atlanta, Ga. Electric connector. 1,981,753; Nov. 20.
- Pearson, Herbert H., assignor to La Plant-Choate Manufacturing Company Incorporated, Cedar Rapids, Iowa. Earth moving device. 1,961,011; May 29.
- Pearson, Herbert P., New York, N. Y., and L. J. Burrows, Roselle Park, N. J., assignors to Stanco, Inc. Manufacture of granular asphalt. 1,951,769; Mar. 20.
- Pearson, John H., assignor to Continental Optical Manufacturing Company, Indianapolis, Ind. Device for marking lenses and the like. 1,965,721; July 10.
- Pearson, John T., assignor to Crouse-Hinds Company, Syracuse, N. Y. Grounding device. 1,966,132; July 10.
- Pearson, Joseph C., assignor to Lehigh Portland Cement Company, Allentown, Pa. Cement paint. 1,966,080; July 10.
- Pearson, Niels I., Chester, Conn. Roof bracket. 1,943,228; Jan. 9.
- Pearson, Norman. (See Fraser, N. F., and Pearson.)
- Pearson, Oscar A. (See Thordarson, C. H., and Pearson.)
- Pearson, Paul E. (See Dodge, M. L., and Pearson.)
- Pearson, Paul E. (See Troyer, N., and Pearson.)
- Pearson, Thomas H., Philadelphia, Pa. Electric cord swivel connector. 1,955,652; Apr. 17.
- Pearson, William J. (See Brown, Thomas I., assignor.)
- Pearson, William J. (See Lawrence, George W., assignor.)
- Pearson, William J. (See Nepple, Henry, assignor.)
- Pearson, William J., Los Angeles, Calif. Progressive release lock. 1,958,925; May 15.
- Pearson, William J., Los Angeles, Calif. Intermittent grip device. 1,972,163; Sept. 4.
- Pearsons, George T., New York, assignor of five-sevenths to George W. Shields, Flushing, N. Y. Refrigerating device. 1,963,674; June 19.
- Pease, Anthony Equipment Co. (See Anthony, Alfred W., Jr., assignor.)
- Pease, Benjamin F., Silver Lake, Ohio. Truss. 1,956,299; Apr. 24.
- Pease, Frederick J., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Generator control. 1,984,696; Dec. 18.
- Pease, John W. (See Pease, Walter M., assignor.)
- Pease, Walter M., assignor of one half to J. W. Pease, Rochester, N. Y. Preserving fresh raw fruit. 1,970,865; Aug. 21.
- Peaslee, Willets, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,965,256; July 3.
- Peasley, Aaron A., and J. C. Peckosh, Des. Moines, Iowa. Veneer brick and securing same to a surface. 1,969,148; Aug. 7.
- Peavey, Joseph L., Meridian, Miss. Glare shield. 1,985,668; Dec. 25.
- Pecher, Albrecht, Orebro, assignor to Aktiebolaget Linham, Stockholm, Sweden. Pattern - grading machine. 1,977,140; Oct. 16.
- Pechstädt, Herbert, Neustadt-Orla, Germany. Machine for molding pipes and other hollow articles. 1,961,981; June 5.
- Pechstein, Walter, Dortmund, Germany, assignor to The Stacey Bros. Gas Construction Company, Cincinnati, Ohio. Dry gas holder. 1,965,536; July 3.
- Pechy, William, Elizabeth, N. J., assignor to American Can Company, New York, N. Y. Container opening key machine. 1,958,442; May 15.
- Peck, Cecil C. (See Schake, L. W., and Peck.)
- Peck, Edward B., Elizabeth, C. E. Kleiber, Irvington, and F. M. Archibald, Elizabeth, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation of heavy hydrocarbon oils. 1,955,862; Apr. 24.
- Peck, Edward B., Elizabeth, and C. E. Kleiber, Irvington, N. J., assignors to Standard Oil Development Company. Heat treating oil. 1,981,826; Nov. 20.
- Peck, Frank G., New Haven, Conn. Container setting-up machine. 1,979,993; Nov. 6.
- Peck, Samuel A., Cleveland, Ohio, assignor to Signode Steel Strapping Company, Chicago, Ill. Package binder. 1,953,310; Apr. 3.
- Peck, Samuel S., Honolulu, Territory of Hawaii. Masse-cuite treating apparatus. 1,971,873; Aug. 28.
- Peck, William H., Scarsdale, N. Y. Television apparatus. 1,979,840; Nov. 6.
- Pecker, Joseph S., Philadelphia, Pa. Hose insert. 1,943,741; Jan. 16.
- Pecker, Joseph S., assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors. 1,971,016; Aug. 21.
- Peckerman, Charles, New York, N. Y. Fuse plug. 1,976,510; Oct. 9.
- Peckham, Edwin C., New York, N. Y. Musical toy or instrument. 1,949,284; Feb. 27.
- Peckosh, Joseph C. (See Peasley, A. A., and Peckosh.)
- Pecora, James. (See Smaldone, D., and Pecora.)
- Ped, Incorporated. (See Ljungström, Fredrik, assignor.)
- Peddicord, Paul G., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,965,967; July 10.
- Pedlty, Walter B., Mason City, Iowa. Pulverizing process and apparatus. Re19,049; Jan. 16.
- Peden, Hugh L., Bronxville, assignor to Safety Gas Main Stopper Co., Inc., New York, N. Y. Gas main stopper. 1,960,710; May 29.
- Pedersen, Axel V. (See Cates, V. K., Congreve, Pedersen, and Seaver.)
- Pedersen, Dines C., Holbæk, Denmark. Motor driven cultivator. 1,971,938; Aug. 28.

- Pedersen, George W., Aurora, Colo. Incandescent lamp. Des. 91,722; Mar. 13.
- Pedersen, Henry W., Berwyn, Ill. Kitchen utility cabinet. Des. 91,541; Feb. 20.
- Pedersen, Ingvald O., Pittsburgh, assignor to C. P. Byrnes, Sewickley, Pa., as trustee. Drawing bell and spigot-type pipe. 1,979,571; Nov. 6.
- Pedersen, Ingvald O., Wilkinsburg, Pa., and E. G. Stahle, Lumberport, W. Va. Forming glass receptacles and article produced thereby. 1,979,572; Nov. 6.
- Pedersen, Ingvald O., Pittsburgh, Pa., and E. G. Stahle, Lumberport, W. Va., assignors to C. P. Byrnes, trustee, Sewickley, Pa. Glass article. 1,979,573; Nov. 6.
- Pedersen, John A., Brooklyn, N. Y., assignor to J. A. Roebing's Sons Company, Trenton, N. J. Cable cutting and stripping tool. 1,979,487; Nov. 6.
- Pedersen, John D., Jackson, Wyo. Safety device for firing mechanism. 1,959,797; May 22.
- Pedersen, Mathias. (See Alm, T. W., and Pedersen.)
- Pedersen, Niels, Marion, Pa., assignor to Armoured Films Limited, London, England. Reinforcing cinematograph film. 1,943,989; Jan. 16.
- Pedersen, Niels, Marion, Pa., assignor to Armoured Films Limited, London, England. Reinforcing cinematograph film. 1,943,990; Jan. 16.
- Pedersen, Niels, Philadelphia, Pa., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Winding machine. 1,955,761; Apr. 24.
- Pedersen, Otto. (See Carlson, C. V., and Otto.)
- Pedery, Joseph. (See Moore, R. H., and Pedery.)
- Pedigo, Luther T., Greensburg, Kans. Reamer. 1,983,488; Dec. 4.
- Pedrazzo, Giovanni, Biella, Italy. Alternating current machine. 1,949,808; Mar. 6.
- Pedrazzo, Giovanni, Biella, Italy. Alternating electric current static transformer. 1,949,809; Mar. 6.
- Peebles, David D., Eureka, Calif. Method and apparatus for treatment of non-gaseous materials. 1,964,858; July 3.
- Peebles, David D., Eureka, Calif. Food product and manufacture. 1,976,246; Oct. 9.
- Peebles, David D., Eureka, Calif. Method and apparatus for treatment of nongaseous materials. 1,984,381; Dec. 18.
- Peebles, David D., Eureka, P. D. V. Manning, Berkeley Woods, and A. H. Potbury, Berkeley, Calif. Fish cooking apparatus. 1,942,830; Jan. 9.
- Peebles, Frank B., assignor to Gifford-Wood Company, Hudson, N. Y. Traverse rope take-up. 1,945,754; Feb. 6.
- Peek, Walter E. (See Booth, E. C., and Peek.)
- Peek, William F., Brighton, England. Animal trap. 1,970,976; Aug. 21.
- Peele, Stephen, New York, N. Y. Hinged pin lock. 1,971,049; Aug. 21.
- Peeler-Hansen Stove and Foundry Company. (See Cunningham, John E., assignor.)
- Peelle Company, The. (See Allen, Arthur A., assignor.)
- Peelle Company, The. (See Peelle, Robert S.)
- Peelle Company, The. (See Peelle, Robert S., assignor.)
- Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for ventilators. 1,941,909; Jan. 2.
- Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Operator for horizontally sliding warehouse doors. 1,952,681; Mar. 27.
- Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Lock for counterbalanced elevator doors. 1,984,425; Dec. 18.
- Peeples, Jasper Q., Richmond, Va. Apparatus and method for developing and gravel treating wells. 1,980,632; Nov. 13.
- Peerless Ice Machine Company. (See Hoesel, Anthony F., assignor.)
- Peerless Ice Machine Company. (See Kritzer, Richard W., assignor.)
- Peerless, Incorporated. (See Markley, J. W., and Clement, assignors.)
- Peerless Laundry Services, Ltd. (See Chace, William M., jr., assignor.)
- Peerless Laundry Services, Ltd. (See Singleton, W. E., and Chace, assignors.)
- Peerless Machinery Company. (See Andersson, Arvid, assignor.)
- Peerless Machinery Company. (See Lautenschlager, William F., assignor.)
- Peerless Machinery Company, The. (See Spry, William M., assignor.)
- Peerless Novelty Company. (See Schaffner, George H., assignor.)
- Peerless Pattern Works. (See West, Frederick S., assignor.)
- Peerless Roll Leaf Co. Inc. (See Wickwire, Arthur M., jr., assignor.)
- Peerless Springs, Incorporated. (See Hetherington, Oliver, assignor.)
- Peerless Typewriter Corporation. (See Nemcovsky, Louis A., assignor.)
- Peerless Weighing Machine Company. (See Chambers, Leverett D., assignor.)
- Peet, John L. (See Dahl, L. S., and Peet.)
- Peet, Gerald D., Montclair, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Casing for gas supplying apparatus. Des. 93,886; Nov. 20.
- Peet, John L., Gary, Ind., assignor to American Sheet and Tin Plate Company. Coiled strip holder. 1,951,062; Mar. 13.
- Peet, Gerald D., Montclair, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Color comparator. 1,976,672; Oct. 9.
- Peets, Wilbur J., and I. F. Webb, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Power transmitter. 1,955,604; Apr. 17.
- Peffer, Harry C., and P. W. Jones, assignors to Rostone, Incorporated, La Fayette, Ind. Fly ash structural material. 1,942,769; Jan. 9.
- Peffer, Harry C., and P. W. Jones, assignors to Rostone, Incorporated, La Fayette, Ind. Fly ash structural material. 1,942,770; Jan. 9.
- Peffer, Harry C., Lafayette, Ind., assignor, by mesne assignments, to Utilities Research Commission, Inc., Chicago, Ill. Welding torch. 1,983,674; Dec. 11.
- Pegg, Albert C., Los Angeles, Calif. Method of and apparatus for projecting motion pictures accompanied by sound. 1,942,036; Jan. 2.
- Pegg, Henry L., St. Paul, Minn. Submarine rescue device. 1,969,941; Aug. 14.
- Peglar, Arthur R., Columbus, Ohio. Detachable clamp. 1,977,402; Oct. 16.
- Pehrson, Adam H., Norrnas, O. Fredriksborg, and E. O. E. Tyden, Stockholm, Sweden. Magnetic separator. 1,967,723; July 24.
- Pehrsson, Sven J., assignor to The Colson Company, Elyria, Ohio. Wheeled vehicle. 1,953,494; May 15.
- Pehrsson, Sven J., assignor to The Colson Company, Elyria, Ohio. Bag truck. 1,979,406; Nov. 6.
- Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Rotary sand blast pressure gun. 1,951,627; Mar. 20.
- Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Rotary gun. 1,953,311; Apr. 3.
- Peik, Louis D., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Blasting machine. 1,953,566; Apr. 3.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming glassware. 1,944,866; Jan. 23.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming hollow glassware. 1,955,765; Apr. 24.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for making glassware. 1,971,352; Aug. 28.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for making glassware. 1,975,050; Sept. 25.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Take-out. 1,975,051; Sept. 25.
- Peiler, Karl E., West Hartford, and A. J. Smith, Bloomfield, assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glassware. 1,944,844; Jan. 23.
- Peirce, Charles L., jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company. Insulating supporting pin. 1,960,681; May 29.
- Peirce, Daniel N., Bryn Athyn, Pa. Garment hanger. 1,959,840; May 22.
- Peirce, James A., Middletown, Ohio. Frame for making hooked rugs or the like. 1,975,331; Oct. 2.
- Peirce, John R., New York, N. Y. Cooking utensil. 1,958,590; May 15.
- Peirce, John R., New York, N. Y. Coffee brewing and percolating device. 1,972,164; Sept. 4.
- Peirce, John R., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,944,667; Jan. 23.
- Peirce, John R., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Perforated record-controlled accounting machine. 1,946,915; Feb. 13.
- Peirce, John R., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card punch. 1,969,383; Aug. 7.
- Peirce, Ralph S., Hinsdale, Ill. Package. 1,946,808; Feb. 13.
- Peirce, William B., Edgeworth, Pa. Conveyer for bolts. 1,953,257; Apr. 3.
- Peirce, William H., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Metal casting apparatus. 1,966,596; July 17.
- Peirson, Cecil R., Bloomfield, N. J. Carrier for keys. 1,974,160; Sept. 18.
- Peiser, Gustav. (See Borchers, A., and Peiser.)
- Pejchar, Josef, Brooklyn, N. Y. Timepiece. 1,950,189; Mar. 6.
- Pejepsco Paper Company. (See Brawn, Worthen E., assignor.)
- Pekelharig, Jan, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,971,918; Aug. 28.
- Pekonen, Edward. (See Sharpe, R. J., and Pekonen.)
- Pekter, Isidore, Philadelphia, Pa. Bracket for curtain and valance supporting extensible rods. 1,963,802; June 19.
- Pelavin, Morris, Detroit, Mich. Barber chair or the like. 1,980,291; Nov. 13.
- Pelayo, Pastor R. (See Padilla, Carlos E., assignor.)

- Pelikan, John M. (See Brooks, C. A., and Pelikan.)
 "Pelite" Holding A. G. (See Hübl, Josef, assignor.)
 Pell, Oliver, Control Limited. (See Oliver, Charles, assignor.)
 Pelle, Stephen, New York, N. Y. Rotating index combination lock. 1,957,846; May 8.
 Pelle, Stephen, New York, N. Y. Key for locks. 1,959,798; May 22.
 Pellegrin, Elmer D. (See Wilkinson, G. D., and Pellegrin.)
 Pellegrin, Elmer D., Des Plaines, assignor to Cribben & Sexton Company, Chicago, Ill. Range. Des. 92,490; June 12.
 Pellegrino, Giuseppe and M., Turin, Italy. Drying apparatus for malt and similar grain. 1,950,263; Mar. 6.
 Pellegrino, Mario. (See Pellegrino, Giuseppe and M.)
 Pelleriti, Vincenzo C., Tripi, Italy. Fire prevention device for storage tanks. 1,974,034; Sept. 18.
 Pelletier, Louis F. (See Ciglia, E. F., and Pelletier.)
 Pellkofer, Ernest, Western Springs, assignor to C. M. Hartman, Chicago, Ill. Sandal. 1,964,364; June 26.
 Pellkofer, Joseph, La Grange, Ill. Sandal. 1,964,705; June 26.
 Pellkofer, Joseph, Chicago, Ill., assignor to Andrews-Pellkofer Sandal Company. Sandal. 1,964,406; June 26.
 Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Line control for can making machinery. 1,970,574; Aug. 21.
 Peloubet, Frank G., Pittsburgh, Pa. Musical instrument. 1,956,996; May 1.
 Peltier, Frank D., and C. E. Ploeger, Evansville, Ind., assignors to Servel Inc., New York, N. Y. Refrigeration. 1,968,908; Aug. 7.
 Peltier, Joseph E., Bartlesville, Okla., assignor, by direct and mesne assignments, of sixty-three sixty-fourths to J. E. Crawford and H. G. Crawford, Bartlesville, Okla., and J. M. Greenwood, Eva J. Greenwood, L. C. Robbins, and Ola C. Robbins. Compressed air motor. 1,982,019; Nov. 27.
 Peltier, Sellers H., Ottawa, Ill. Making agatized bodies. 1,946,879; Feb. 13.
 Pelton, Earl L. (See Strosacker, C. J., Kennedy, and Pelton.)
 Pelton, Earl L., assignor to The Dow Chemical Company, Midland, Mich. Oxidation of alicyclic alcohols and ketones. 1,961,623; June 5.
 Pelton, George E., Alexandria, Va. Filled fibrous material. 1,951,806; Mar. 20.
 Pelton, George E., Kenmore, N. Y. Article of manufacture and coating absorbent base materials. 1,957,611; May 8.
 Pelton, George E., Hartford, Conn. Method of and apparatus for producing ink transfer members. 1,960,647; May 29.
 Pelton, Louis A., assignor to Pompeian Olive Oil Corporation, Baltimore, Md. Bottle. Des. 91,898; Apr. 3.
 Pelton Water Wheel Company, The. (See Buehle, George A., assignor.)
 Peltzer, Albert, jr. (See Peltzer, Albert and A., jr.)
 Peltzer, Albert, Palo Alto, Calif., and A. Peltzer, jr., Chicago, Ill., assignors to Merco Centrifugal Separator Co., Ltd., San Francisco, Calif. Centrifugal apparatus. 1,945,786; Feb. 6.
 Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,949,655; Mar. 6.
 Pelzer, Harry L., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,949,656; Mar. 6.
 Pelzner, Irving, New York, N. Y. Igniting device. 1,956,455; Apr. 24.
 Pemberton, John W., Santa Monica, and R. B. Keeler, South Gate, Calif.; said Pemberton assignor to said Keeler. Forming roofing tile. 1,972,312; Sept. 4.
 Pemberton, William, Saugus, Mass. Combination rubber and umbrella stand. Des. 91,963; Apr. 10.
 Pembroke Chemical Corporation. (See Kerschbaum, F. P., Waggaman, and Gooch, assignors.)
 Pen Electric Switch Co. (See Henning, Malcolm E., assignor.)
 Penati, Carlo, assignor to Fiat Società Anonima, Turin, Italy. Multiple-way cock for use in the pneumatic control of change-speed gears. 1,973,656; Sept. 11.
 Penberthy Injector Company. (See Yoder, Howard D., assignor.)
 Pen-Chlor, Incorporated. (See Reitz, Heinrich.)
 Pendery, Edward W., assignor to The Higgin Manufacturing Company, Newport, Ky. Device for installing window screens. 1,947,102; Feb. 13.
 Pendleton, Louis B., St. Louis, Mo. Radiator structure. 1,973,338; Sept. 11.
 Pendleton, Ralph I., Los Angeles, Calif. Well pump. 1,969,182; Aug. 7.
 Pendleton, Roscoe F., Norwich, N. Y. Washing machine. 1,970,184; Aug. 14.
 Peney, Jean L. L. J., Lyon, France. Apparatus adapted to maintain the tail of an animal and the like. 1,959,497; May 22.
 Penfield, Ralph B., Sedan, Kans. Turning implement. 1,945,912; Feb. 6.
 Penfield, Walker, Ridley Park, Pa. Doorstop mechanism. 1,960,505; May 29.
 Pengelly, John W. H. (See Matthews, F. C., Brown, and Pengelly.)
 Penick, Arthur J. and K. T., Houston, Tex. Valve mechanism. 1,948,628; Feb. 27.
 Penick, Arthur J. and K. T., and A. Cochrum, Houston, Tex. Combination draw works and cat line winch. 1,953,865; Apr. 3.
 Penick, Arthur J. and K. T., Houston, Tex. Well head assembly. 1,969,234; Aug. 7.
 Penick, Arthur J. and K. T., Houston, Tex. Tubing control head. 1,971,381; Aug. 28.
 Penick, Kirby T. (See Penick, Arthur J. and K. T.)
 Penick, Kirby T. (See Penick, Arthur J. and K. T., and Cochrum.)
 Peninsular Grinding Wheel Company. (See Beebe, Alan P., assignor.)
 Penman, Montgomery B., assignor to The Magee Carpet Company, Bloomsburg, Pa. Rectifying rule for reading boards. 1,971,233; Aug. 21.
 Penman, Montgomery B., and A. F. McCollum, deceased, Bloomsburg, by Harrisburg Trust Company, executor, Harrisburg, assignors to The Magee Carpet Co., Bloomsburg, Pa. Stop motion for looms. 1,973,653; Sept. 11.
 Penman, Montgomery B., and A. F. McCollum, deceased, Bloomsburg, by Harrisburg Trust Company, executor, Harrisburg, assignors to The Magee Carpet Co., Bloomsburg, Pa. Stop motion for looms. 1,973,654; Sept. 11.
 Penman, Montgomery B., and A. F. McCollum, deceased, Bloomsburg, by Harrisburg Trust Company, executor, Harrisburg, assignors to The Magee Carpet Co., Bloomsburg, Pa. Stop motion for looms. 1,973,655; Sept. 11.
 Penn, Albert, assignor of one-half to R. Penn, Des Moines, Iowa. Air service device. Re19,201; June 5.
 Penn Electric Switch Co. (See Henning, Malcolm E., assignor.)
 Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)
 Penn, Ernest. (See Miller, Ralph, assignor.)
 Penn Metal Company. (See Baker, Herbert K., assignor.)
 Penn, Oscar S., Normount, Upper Bourne End, assignor to Roadless Tractor Limited, Middlesex, England. Endless chain. 1,956,472; Apr. 24.
 Penn, Ralph. (See Penn, Albert, assignor.)
 Penney, Harold D. (See Jackson, C. S., and Penney.)
 Penney, Robert L., New York, N. Y. Power transmission. 1,963,590; June 19.
 Penniman, William B., D. Baltimore, Md. Lubricant and making same. 1,967,255; July 24.
 Penning, Frans M., Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Combined lamp and phototube. 1,953,066; May 8.
 Penning, Frans M., and C. C. J. Adink, Eindhoven, Netherlands, assignors, by mesne assignments, to General Electric Company. System for influencing an electric current by irradiation. 1,961,708; June 5.
 Pennington, Harley D. (See Reilly, E. C., and Pennington.)
 Pennington, Harry R. (See Judy, P. R., and Pennington.)
 Pennington, Harry R., Los Angeles, Calif., assignor to Indiana Steel & Wire Company, Muncie, Ind. Coated ferrous welding wire. 1,972,066; Aug. 28.
 Pennington, Harry R., assignor to Indiana Steel & Wire Company, Muncie, Ind. Coated welding electrode. 1,972,067; Aug. 28.
 Pennock, Edward M., and L. Hale, assignors to G. H. Tennant Company, Minneapolis, Minn. Milk sample mailing unit. 1,975,173; Oct. 2.
 Pennock, Edward M., and L. Hale, assignors to G. H. Tennant Company, Minneapolis, Minn. Bottle crate. 1,980,352; Nov. 13.
 Pennock, Frederick W., Montreal, Quebec, Canada. Combined pail and mop wringer receptacle. 1,957,612; May 8.
 Pennsylvania Crusher Company. (See Borton, George W., assignor.)
 Pennsylvania Crusher Company. (See Hartshorn, Stanley D., assignor.)
 Pennsylvania Flexible Metallic Tubing Company. (See Collom, Samuel H., assignor.)
 Pennsylvania Furnace & Iron Company, The. (See Anderson, Christian S., assignor.)
 Pennsylvania Lawn Mower Works. (See Braun, William F. H., assignor.)
 Pennsylvania Lubricating Company. (See Reswick, Maurice, assignor.)
 Pennsylvania Lubricating Company. (See Walker, Harold W., assignor.)
 Pennsylvania Pump & Compressor Company. (See Noble, William H., assignor.)
 Pennsylvania Pump & Compressor Company. (See Raymond, Ward, assignor.)
 Pennsylvania Railroad Company, The. (See Billstein, Arthur E. F., assignor.)
 Pennsylvania Railroad Company, The. (See Madden, William J., assignor.)
 Pennsylvania Railroad Company, The. (See Mattern, J. H., and Pearce, assignor.)
 Pennsylvania Railroad Company, The. (See Showers, L. M., Jr., and Chambers, assignors.)
 Pennsylvania Railroad Company, The. (See Walker, Samuel G., assignor.)
 Pennsylvania Range Boiler Company. (See Simsohn, Julian S., assignor.)
 Pennsylvania Rubber Company. (See Aultman, P. M., and Bowers, assignors.)
 Pennsylvania Rubber Company. (See Humphrey, Walter E., assignor.)
 Pennsylvania Salt Manufacturing Company. (See Bender, Harry, assignor.)

- Pennsylvania Salt Manufacturing Company. (See Gummert, J. S., and Hutchinson, assignors.)
- Pennsylvania Salt Manufacturing Company. (See Weitzel, C. F., Potts, and Underwood, assignors.)
- Pennsylvania Wire Glass Company. (See Masters, Paul G., assignor.)
- Penote, Augustus J., Shaker Heights, Ohio. Tamper back-filling machine. 1,947,356; Feb. 13.
- Penote, Augustus J., Shaker Heights, Ohio. Hydropneumatic bucket cleaner. 1,966,597; July 17.
- Penote, Augustus J., Shaker Heights, Ohio. Universal balanced grade indicator. 1,969,522; Aug. 7.
- Penrod, John, Okmulgee, Okla. Well pump. 1,958,015; May 8.
- Penrod, John, Okmulgee, Okla. Well pump. 1,958,836; May 15.
- Penrod, John, Okmulgee, Okla. Fluid motor. 1,963,472; June 19.
- Penrod, John, Okmulgee, Okla. Pump for use in wells. 1,983,490; Dec. 4.
- Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Well pump. 1,958,016; May 8.
- Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Liner pump. 1,958,170; May 8.
- Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Well pump. 1,958,171; May 8.
- Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Well pump. 1,958,172; May 8.
- Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Well pump. 1,983,489; Dec. 4.
- Penrose, George A., jr. (See Penrose, G. A., Thomas and Penrose.)
- Penrose, George A., K. F. Thomas, and G. A. Penrose, jr., Chicago, Ill. Confection forming device. 1,983,704; Dec. 11.
- Penrose, Hallack A., Brooklyn, N. Y. Internal combustion engine. 1,971,462; Aug. 28.
- Pentecost, Clement B., East Orange, N. J. Apparatus and method of operation of braking systems and stop lights. 1,951,882; Mar. 20.
- Pentecost, William A., Oakland, assignor to Ace Mfg. Co., Emeryville, Calif. Toaster. Des. 93,128; Aug. 21.
- Pentland, Robert L. (See Getz, E. L., Pentland, and Dorff.)
- Pentler, Sigmund J., and O. R. Short, Wausau, Wis. Composite insole. 1,960,792; May 29.
- Pentler, Sigmund J., and O. R. Short, Wausau, Wis. Shoe. 1,971,050; Aug. 21.
- Pentz, Albert D., New York, N. Y., assignor to Pentz Motor Brake Corporation, New Brighton, N. Y. Hose for vehicle brakes. 1,942,829; Jan. 9.
- Pentz, Albert D., assignor to Pentz Motor Brake Corporation, New Brighton, N. Y. Self-energizing brake. 1,953,253; Apr. 3.
- Pentz, Albert D., New York, assignor to Pentz Motor Brake Corporation, New Brighton, N. Y. Hydraulic brake with differential plungers. 1,962,406; June 12.
- Pentz Motor Brake Corporation. (See Pentz, Albert D., assignor.)
- Pentz, William C., North Canton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bathing cap. Des. 92,367; May 29.
- Penza, Frederick, Brooklyn, N. Y. Macaroni and die for producing the same. 1,959,006; May 15.
- Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 1,963,145; June 19.
- Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 1,972,900; Sept. 11.
- People and the Government of the United States of America. (See Linke, Walter, assignor.)
- Pepper, Byron J., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Indicating and metering apparatus for liquid dispensers. 1,957,412; May 1.
- Pepper, David, Philadelphia, Pa. Cigar lighter. 1,948,186; Feb. 20.
- Peppercorn, Herbert H., Downe, England. Obtaining stereoscopic cinematographic effects. 1,971,234; Aug. 21.
- Pepperell Manufacturing Company. (See Scholle, Charles F., assignor.)
- Pequea Works. (See Torrence, Walter S., assignor.)
- Perahia, Henry J., Brooklyn, N. Y. Skirt or the like. Des. 93,504; Oct. 2.
- Perazzoli, Henry, Philadelphia, Pa. Grinding apparatus. 1,950,264; Mar. 6.
- Percival, Anna M. (See Norwood, Harry G., assignor.)
- Percy, Edwin H., Fort Bragg, Calif., assignor, by mesne assignments, to The Prescott Company. Power-operated dogging mechanism. 1,944,286; Jan. 23.
- Pere, George, Ridgfield Park, assignor of one-half to R. Haggerty, Newark, N. J. Press for tailors. 1,977,403; Oct. 16.
- Pereira, Leonard, New York, N. Y. Rotary toothbrush. 1,961,243; June 5.
- Pereira, William L., et al. (See Ring, R., Pereira, and Horsley.)
- Perelis, Walter J., Boston, Mass., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of mineral oils by heat. 1,969,321; Aug. 7.
- Perelis, Walter J., Boston, Mass., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of mineral oils by heat. 1,969,322; Aug. 7.
- Peremi, Edmund. (See Ely, W. S., and Peremi.)
- Peremi, Edmund, Manhasset, and C. Kish, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Governor for revolving doors. 1,947,733; Feb. 20.
- Peremi, Edmund, and L. Toth, Manhasset, N. Y. Sash securing device. 1,955,653; Apr. 17.
- Peremi, Edmund, Manhasset, and C. Kish, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 1,983,395; Dec. 4.
- Peremi, Edmund, Manhasset, and C. Kish, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 1,983,396; Dec. 4.
- Peremi, Edmund, and L. Toth, Manhasset, N. Y. Extruded shapes with interlock and making same. 1,984,232; Dec. 11.
- Peress, Joseph S., Byfleet, assignor to Argonaut Corporation Limited, London, England. Hydraulic joint particularly suitable for diving dresses or apparatus. 1,947,657; Feb. 20.
- Pérez, Horacio E., New York, N. Y. Automatic pneumatic gear shift. 1,979,488; Nov. 6.
- Perfect Burner Company. (See Redshaw, Joseph G., assignor.)
- Perfect Circle Company, The. (See Brannan, Lee M., assignor.)
- Perfect Circle Company, The. (See Cramer, William J., assignor.)
- Perfect Circle Company, The. (See Linn, Joseph C., assignor.)
- Perfect Circle Company, The. (See McCullough, Wesley E., assignor.)
- Perfect Circle Company, The. (See Paton, Roy W., assignor.)
- Perfect Circle Company, The. (See Teetor, Macy O., assignor.)
- Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)
- Perfect Damproof Flashing Co., Inc. (See Friedberg, Abram B., assignor.)
- Perfection Battery Terminal Company, The. (See Olson, Robert C., assignor.)
- Perfection Battery Terminal Company, The. (See Taylor, Charles E. and W. B., assignors.)
- Perfection Gear Co. (See Hughes, William F., assignor.)
- Perfection Marker Company, The. (See Avery, Alfred H., assignor.)
- Perfection Marker Company. (See Eaton, Charles F., assignor.)
- Perfection Steel Body Company, The. (See Brick, Perry A., assignor.)
- Perfection Steel Body Company, The. (See Cohen, Harry, assignor.)
- Perfection Steel Body Company, The. (See King, Charles J., assignor.)
- Perfection Steel Body Company, The. (See Wegner, Clarence J., assignor.)
- Perfection Stove Company. (See Chadwick, L. S., and Dahlstrom, assignors.)
- Perfection Stove Company. (See Chadwick, L. S., Resek, and Focke, assignors.)
- Perfection Stove Company. (See Chadwick, L. S., and Kessler, assignors.)
- Perfection Stove Company. (See Chadwick, L. S., Resek, and Kessler, assignors.)
- Perfection Stove Company. (See Chadwick, L. S., Resek, and Rausch, assignors.)
- Perfection Stove Company. (See Midnight, Wilbur G., assignor.)
- Perfection Stove Company. (See Resek, Marc, assignor.)
- Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)
- Perlex Corporation. (See MacLeod, Daniel T., assignor.)
- Perham, Arthur L. (See Henderson, J. B., and Perham.)
- Perin, Donald W., assignor to R. W. Higgins, Greenfield, Mass. Golf swing device. 1,983,920; Dec. 11.
- Perine, Robert T., Indianapolis, Ind. Cigarette package. 1,969,384; Aug. 7.
- Periolat, Charles B., Chicago, Ill. Sharpening razor blades. 1,945,201; Jan. 30.
- Perkins, Albert G., Buffalo, N. Y. Spraying apparatus. 1,942,876; Jan. 9.
- Perkins, Albert G., Warsaw, N. Y. Apparatus for coating pipe. 1,971,535; Aug. 28.
- Perkins, Alfred J., and F. J. Beckman, assignors to Embury Manufacturing Co., Warsaw, N. Y. Oil lantern. 1,985,517; Dec. 25.
- Perkins, B. F., & Son, Inc. (See Getchell Raymond E., assignor.)
- Perkins, B. F., & Son, Inc. (See Gminder, Emil, assignor.)
- Perkins, B. F., & Son, Inc. (See Shorrocks, James P., assignor.)
- Perkins, Benjamin C., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric lamp socket. 1,959,249; May 15.
- Perkins, Benjamin F., Holyoke, Mass. Napkin or similar article. Des. 92,552; June 19.
- Perkins, Benjamin F., Holyoke, Mass. Plate or similar article. Des. 93,240; Sept. 4.
- Perkins Cementing, Inc. (See Ferlin, John J., assignor.)

- Perkins, Francis A. (See Chapman, Charles W., assignor.)
- Perkins, Frank P., assignor to Michael Yundt Company, Waukesha, Wis. Bottle conveyor. 1,964,997; July 3.
- Perkins, Frank P., Waukesha, Wis., assignor to Michael Yundt Company. Nozzle for washing bottles. 1,978,721; Oct. 30.
- Perkins, George A., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for effecting relative movement between lasts and shoes. 1,966,462; July 17.
- Perkins Glue Company. (See Pierson, Gordon G., assignor.)
- Perkins, Granville A. (See Young, C. O., and Perkins.)
- Perkins, Granville A., South Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Separation of acid gases. 1,951,992; Mar. 20.
- Perkins, Granville A., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Producing olefines. 1,982,536; Nov. 27.
- Perkins, Granville A., and W. J. Toussaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Preparation of vinylacetylene. 1,971,656; Aug. 28.
- Perkins, Harry F., Clayton, assignor to Metalfoils, Incorporated, St. Louis, Mo. Metallic protective sheathing for surfaces and applying metal foil. 1,944,457; Jan. 23.
- Perkins, Ivan M., Brookline, assignor to The Atlantic Refining Company, Philadelphia, Pa. Filtration. 1,980,431; Nov. 13.
- Perkins, Joseph H., Swarthmore, Pa. Container for food and other products. 1,958,765; May 15.
- Perkins, Joseph M., Eastland, Tex. Disposing of nuisance liquids. 1,945,328; Jan. 30.
- Perkins, Julian L., West Springfield, Mass. Wringer head for washing machines. Des. 91,839; Mar. 27.
- Perkins, Julian L., West Springfield, Mass. Combined washing machine and wringer. Des. 93,045; Aug. 14.
- Perkins, Julian L., West Springfield, H. D. Croft, Springfield, and L. E. Deloghia, Agawam, assignors to Perkins Machine & Gear Company, West Springfield, Mass. Dough slicing apparatus. 1,959,303; May 15.
- Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine & Gear Company, West Springfield, Mass. Safety wringer. 1,963,244; June 19.
- Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine & Gear Company, West Springfield, Mass. Dough slicing apparatus. 1,966,732; July 17.
- Perkins, Laurence M., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Antenna. 1,943,394; Jan. 16.
- Perkins, Laurence M., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radioreceiver. 1,954,645; Apr. 10.
- Perkins, Laurence M., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Ignition system. 1,960,919; May 29.
- Perkins, Lester A., and A. C. Wilson, Centerville, Iowa. Lid for milk cans or like. 1,944,458; Jan. 23.
- Perkins Machine & Gear Company. (See Croft, Hiram D., assignor.)
- Perkins Machine & Gear Company. (See Perkins, J. L., and Croft, assignors.)
- Perkins Machine & Gear Company. (See Perkins, J. L., Croft, and Deloghia, assignors.)
- Perkins, Melville F., Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y. Making lead carbonate. 1,946,709; Feb. 13.
- Perkins, Melvin A. (See Bishop, O. M., and Perkins.)
- Perkins, Melvin A., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of benzanthranyl-selenium compounds. 1,965,855; July 10.
- Perkins, Melvin A., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone compound and preparing the same. 1,973,773; Sept. 18.
- Perkins, Melvin A., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Substitution derivatives of Bzl, Bzl', dibenzanthranyl-selenide. 1,977,242; Oct. 16.
- Perkins, Melvin A., Milwaukee, Wis., and Oakley M. Bishop, deceased, by Eva P. Bishop and Wilmington Trust Company, executors, assignors to E. I. du Pont de Nemours & Co., Wilmington, Del. Seleno-anthraquinone compound and preparing the same. 1,983,561; Dec. 11.
- Perkins, Melvin A., Milwaukee, Wis., and O. M. Bishop, deceased, by E. P. Bishop and Wilmington Trust Company, executors, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone-selenazoles and preparing same. 1,983,562; Dec. 11.
- Perkins, Philip R., Chicago, Ill. Drier. 1,959,061; May 15.
- Perkins, Ralph P., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Preparation of adipic acids. 1,960,211; May 22.
- Perkins, Ralph P., A. J. Dietzler, and J. T. Lundquist, assignors to The Dow Chemical Company, Midland, Mich. Making tertiary alkyl phenols. 1,972,599; Sept. 4.
- Perkins, Ralph P., A. J. Dietzler, and E. C. Burdick, assignors to The Dow Chemical Company, Midland, Mich. Inhibiting discoloration of aromatic compounds. 1,973,724; Sept. 18.
- Perkinson, James F., Danville, Va. Tobacco handling machine. 1,957,727; May 8.
- Perkons, Heinrich, Liebau, Latvia, assignor to Kelima G. m. b. H., Berlin, Germany. Tool for producing woolen carpets, blankets, or the like. 1,955,889; Apr. 24.
- Perky, John F., Kansas City, Mo. Incinerator. 1,975,403; Oct. 2.
- Perky, Scott H., Batavia, N. Y. Driver's armrest. 1,970,816; Aug. 21.
- Perl, John. (See Smith, A. D., and Perl.)
- Perlesz, Hugo, assignor to Burton-Dixie Corporation, Chicago, Ill. Worktable. 1,979,901; Nov. 6.
- Perlesz, Hugo, assignor to Burton-Dixie Corporation, Chicago, Ill. Automatic sewing machine. 1,980,001; Nov. 6.
- Perlstein, Morris M., Chicago, Ill. Cloth clamp. 1,942,728; Jan. 9.
- Permo Corporation. (See Hanel, Franz, assignor.)
- Permo Products Corporation. (See Engbrecht, G. C., and A. J. and A. M. Olsen, assignors.)
- Permold Company, The. (See Biringer, Herman W., assignor.)
- Permold Company, The. (See Fahlman, Everett G., assignor.)
- Permold Company, The. (See Jackson, Sidney W., assignor.)
- Permutit Company, The. (See Applebaum, Samuel B., assignor.)
- Permutit Company, The. (See McElroy, Karl P., assignor.)
- Permutit Company, The. (See Staegemann, Eugene, assignor.)
- Permutit Company, The. (See Vaughan, William, assignor.)
- Perret, Ali, assignor to The Torrington Company, Torrington, Conn. Latch needle and making the same. 1,961,429; June 5.
- Perret, Ali, assignor to The Torrington Company, Torrington, Conn. Latch pivot die. 1,961,430; June 5.
- Perrine, Emmett B., Los Angeles, Calif., assignor to Perrine Manufacturing Co., Minneapolis, Minn. Fishing reel. 1,964,998; July 3.
- Perrine, Lester E., assignor to General Motors Research Corporation, Detroit, Mich. Carbureting apparatus. 1,948,825; Feb. 27.
- Perrine Manufacturing Co. (See Perrine, Emmett B., assignor.)
- Perron, Arthur J., Lowell, Mass. Shoddy-picker. 1,944,526; Jan. 23.
- Perron, Marcel P. (See Miguet, P. L. J., and Perron.)
- Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, Chicago, Ill. Brake drum closure. 1,943,837; Jan. 16.
- Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Servo mechanism. 1,964,531; June 26.
- Perry, Benjamin S., Providence, R. I. Twine-dispensing device. 1,981,388; Nov. 20.
- Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Power transmission chain. 1,947,734; Feb. 20.
- Perry, Donald B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Remote control system. 1,983,637; Dec. 11.
- Perry, Emanuel J., New Bedford, Mass. Cleaning, drying, and aerating wearing apparel or the like and apparatus for carrying out said method. 1,956,589; May 1.
- Perry, Ernest J., Birmingham, England. Tuft cutter mechanism for axminster carpet and like looms. 1,982,451; Nov. 27.
- Perry, Frank S., Gorman, Tex. Press-door counterbalance. 1,943,695; Jan. 16.
- Perry, George F., assignor to J. W. Cox, Johnston, S. C. Bolt and nut lock. 1,956,473; Apr. 24.
- Perry, Guy B., Battle Creek, Mich. Display rack. 1,961,163; June 5.
- Perry, Harold R., Swarthmore, Pa., assignor to The Lamson Company, Syracuse, N. Y. Manufacturing shoes. 1,948,127; Feb. 20.
- Perry, Ira D., Chicago, assignor, by mesne assignments, to The Atwood Vacuum Machine Company, Rockford, Ill. Door bumper. 1,981,283; Nov. 20.
- Perry, James W., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 93,505; Oct. 2.
- Perry, Joseph A. (See Hall, E. L., Perry, and Brady.)
- Perry, Joseph A., Wilkes-Barre, Pa. Nonskid device for vehicle wheels. 1,978,758; Oct. 30.
- Perry, Joseph A., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Use of heavy oil in the manufacture of carbureted water gas. 1,949,811; Mar. 6.
- Perry, Joseph A., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Manufacturing carbureted water gas by the use of high carbon and low carbon oil. 1,964,299; June 26.
- Perry, Joseph A., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Bolted pipe joint. 1,967,841; July 24.
- Perry, Joseph A., Swarthmore, assignor to United Gas Improvement Company, Philadelphia, Pa. Reforming oil gas. 1,971,728; Aug. 28.
- Perry, Joseph A., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Mixed oil gas and water gas production. 1,971,729; Aug. 28.

- Perry, Joseph A., Swarthmore, and W. H. Fulweiler, Wallingford, assignors to The United Gas Improvement Company, Philadelphia, Pa. Making combustible gas. 1,949,810; Mar. 6.
- Perry, Joseph A., and E. J. Brady, Swarthmore, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas pilot burner control. 1,964,390; June 26.
- Perry, Joseph A., Swarthmore, and E. J. Brady, deceased, Lansdowne; A. S. Brady, administratrix, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas pilot control. 1,980,085; Nov. 6.
- Perry, Robert S., Cave Spring, Ga., assignor to Paper Makers Chemical Corporation, Kalamazoo, Mich. Production of sulphate of alumina. 1,948,004; Feb. 20.
- Perry, Sidney J., Spokane, Wash. Heating system. 1,942,831; Jan. 9.
- Perry, Stanley, assignor to Automatic Burner Corporation, Chicago, Ill. Oil burner. 1,971,874; Aug. 28.
- Perry, Sydney V. (See Cunningham, D. H., Carlisle, and Perry.)
- Perry, Walter J., Baltimore, Md. Device for medicating cigarettes. 1,984,984; Dec. 18.
- Perry, Walter M. (See De Lanty, L. J., and Perry.)
- Perry, Walter M., assignor to Sperry Products, Inc., Brooklyn, N. Y. Replaceable tube holder. 1,982,319; Nov. 27.
- Perry, Walter M., Brooklyn, and L. J. De Lanty, Spring Valley, assignors to Sperry Products, Inc., Brooklyn, N. Y. Pen unit construction. 1,967,900; July 24.
- Perry, Willard P., Scudder Falls, N. J. Propeller construction for aircraft. 1,973,266; Sept. 11.
- Perry, William D., et al. (See Miller, Max H., assignor.)
- Perry, William J. (See Goff, Jess, assignor.)
- Persch, Walther. (See Lautenschläger, C. L., Bockmühl, and Persch.)
- Perseguiti, Joseph G. (See Logan, C. E., and Perseguiti.)
- Perse Corporation, The. (See Draper, Ernest E., assignor.)
- Pershing, Richard S. (See Isenberg, R. A., and Pershing.)
- Person, August B., San Francisco, Calif. Drop cloth holder. 1,944,610; Jan. 23.
- Person, Earl R., Leominster, Mass., assignor to Dupont Viscoloid Company, Wilmington, Del. Shaping machine. 1,969,323; Aug. 7.
- Person, Earl R., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Machine for blowing hollow articles. 1,984,697; Dec. 18.
- Person, Francis, Denver, Colo. Electrically heated pie baker. 1,977,084; Oct. 16.
- Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Light reflecting device. 1,943,621; Jan. 16.
- Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Splash guard attaching device for vehicle. 1,984,280; Dec. 11.
- Persons, Lawrence M., Clayton, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Humidifier. 1,961,508; June 5.
- Persons, Lawrence M., Clayton, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Humidifier. 1,985,689; Dec. 25.
- Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Burner control apparatus. 1,962,095; June 5.
- Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Air cooling and dehumidifying system. 1,976,963; Oct. 16.
- Persons-Majestic Manufacturing Company. (See Persons, Charles A., assignor.)
- Persoons, Alphonse. (See Persoons, Jules and A.)
- Persoons, Jules and A. Thildonck, Belgium. Pulsator for milking machines. 1,949,875; Mar. 6.
- Persoons, Jules and A., Thildonck, Belgium. Teat cup for milking machines. 1,982,452; Nov. 27.
- Persson, Ernst, assignor to International Postal Supply Company, Brooklyn, N. Y. Canceling machine. 1,983,921; Dec. 11.
- Persson, Nils, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,950,152; Mar. 6.
- Persson, Nils, and S. M. Bäckström, Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,985,619; Dec. 25.
- Pert, Joseph, Deptford, London, England. Packing machinery. 1,971,875; Aug. 28.
- Pertot, Frank, Brooklyn, N. Y. Hat forming device. 1,951,438; Mar. 20.
- Perugiá, André, Paris, France. Shoe. Des. 91,728; Mar. 13.
- Perugiá, André, Paris, France. Shoe. Des. 92,200; May 8.
- Perugiá, André, Paris, France. Shoe. Des. 92,201; May 8.
- Perugiá, André, Paris, France. Shoe. Des. 92,202; May 8.
- Perugiá, André, Paris, France. Shoe. Des. 92,203; May 8.
- Perugiá, André, Paris, France. Shoe. Des. 92,204; May 8.
- Perugiá, André, Paris, France. Shoe. Des. 92,924; July 31.
- Perugiá, André, Paris, France. Shoe. Des. 93,632; Oct. 16.
- Perugiá, André, Paris, France. Shoe. Des. 93,788; Nov. 6.
- Perugiá, André, Paris, France. Shoe. Des. 93,789; Nov. 6.
- Perugiá, André, Paris, France. Shoe. Des. 93,846; Nov. 13.
- Perugiá, André, Paris, France. Shoe. Des. 93,887; Nov. 20.
- Perugia, Andre, Paris, France. Shoe. Des. 93,888; Nov. 20.
- Perugiá, André, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 91,723; Mar. 13.
- Perugiá, André, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 91,724; Mar. 13.
- Perugiá, André, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 91,725; Mar. 13.
- Perugiá, André, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 91,726; Mar. 13.
- Perugiá, André, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 91,727; Mar. 13.
- Perugiá, André, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 92,368; May 20.
- Perugia, Andre, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 92,369; May 20.
- Perugia, Andre, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 92,370; May 20.
- Perugia, Andre, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 92,371; May 20.
- Perugia, Andre, Paris, France, assignor to Saks and Company, Inc., New York, N. Y. Shoe. Des. 92,675; July 3.
- Pescara, Raul P., Paris, France. Air compressor. 1,950,063; Mar. 6.
- Pescara, Raul P., Paris, France. Method and apparatus for effecting combustion in internal-combustion engines. 1,976,630; Oct. 9.
- Peschke, Arno, Hinterhermsdorf, Germany. Insole. 1,975,972; Oct. 9.
- Pesmen, Louis A., Chicago, Ill. Fan. 1,963,558; June 19.
- Pessel, Leopold, Philadelphia, Pa. Heat treatment of light alloys. 1,946,545; Feb. 13.
- Pestarin, Giuseppe M., Sheffield, England. Rotary transformer for direct electric currents. 1,962,030; June 5.
- Pestardini, Joseph M., Paris, France. Control of electric motors. 1,945,447; Jan. 30.
- Pestardini, Joseph M., Paris, France. Rotary apparatus for converting alternating electric currents to direct electric currents and vice versa. 1,967,159; July 17.
- Pestardini, Joseph M., Paris, France. Control of direct current for motors. 1,969,699; Aug. 7.
- Petcher, Edward C., Riverside, Calif. Advertising display stand. 1,976,413; Oct. 9.
- Peteler, Adolph, Freeport, N. Y. Shock absorber. 1,953,128; Apr. 3.
- Peteler, Adolph, Freeport, N. Y. Thermostatic control device for hydraulic shock absorbers. 1,972,949; Sept. 11.
- Peter, Erich. (See Hellthaler, T., and Peter.)
- Peter, Joseph. (See Kopp, R. A., and Peter.)
- Peter, William J., assignor to Aqua Systems Incorporated, New York, N. Y. Liquid dispenser. 1,978,597; Oct. 30.
- Peterbans, Emil J. (See Larsh, E. P., and Peterbans.)
- Peterkin, Albert G., jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractional distillation. 1,942,446; Jan. 9.
- Peterkin, Albert G., jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Oil conversion. 1,943,696; Jan. 16.
- Peterkin, Albert G., jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractional distillation. 1,962,153; June 12.
- Peters, Adolf M., New York, N. Y. Slicing machine. 1,982,175; Nov. 27.
- Peters, Adolph M. (See Freudenberg, Gotthard, assignor.)
- Peters, Albert H. (See Peters, Otto H. and A. H.)
- Peters, Carl E. (See Hambuechen, C., and Peters.)
- Peters Cartridge Company, The. (See Bowyer, W. W., and Jacobs, assignors.)
- Peters, Claudius, Altona, and G. Domina, Berlin, Germany, assignors of one-half to Fuller Company, Catasauqua, and one-half to Cement Gun Company, Allentown, Pa. Apparatus for conveying loose material. 1,970,021; Aug. 14.
- Peters, Elmer P., Richmond Hills, N. Y., assignor to Kent Machine Works Inc. Roller mill adjusting device. 1,943,142; Jan. 9.
- Peters, Eugen, Hamburg, Germany. Device for drying and airing clothes and the like. 1,953,259; Apr. 3.
- Peters, Eugene H., Benton Harbor, Mich. Fruit container. 1,944,105; Jan. 16.
- Peters, Frederick W., Cleveland, Ohio. Flexible coupling. 1,948,868; Feb. 27.
- Peters, Frederick W., Cleveland, Ohio. Sealing means. 1,955,860; Apr. 24.
- Peters, Frederick W., Cleveland, Ohio. Roller bearing. 1,972,355; Sept. 4.
- Peters, Frederick W., Cleveland, Ohio. Sealing means. 1,978,689; Oct. 30.
- Peters, Frederick W., assignor to The Al-Metal Universal Joint Company, Cleveland, Ohio. Flexible connection. 1,942,973; Jan. 9.
- Peters, Hans, assignor to Knorr-Bremse Aktiengesellschaft, Berlin, Germany. Air chamber of pumps. 1,959,640; May 22.

- Peters, Harold L., Tampa, Fla. Razor blade sharpener. 1,971,876; Aug. 28.
- Peters, Henry, Clifton, assignor to Universal Patents Holding Co., Weebawken, N. J. Knitting machinery. 1,962,614; June 12.
- Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Container and capping it. 1,967,256; July 24.
- Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Sifter top can. 1,972,901; Sept. 11.
- Peters, Joseph, O'Neill, Nebr. Buck rake or hay sweep. 1,980,762; Nov. 13.
- Peters Machinery Company. (See Jurgens, E. G., and Becker, assignors.)
- Peters, Maurice C., North Bennington, Vt. Safety pin. 1,963,446; June 19.
- Peters, Orville S., Chevy Chase, Md. Oscillograph galvanometer. 1,951,578; Mar. 20.
- Peters, Oscar P., Cleveland, Ohio, assignor to United Autographic Register Co., Chicago, Ill. Snap-out form and manufacturing the same. 1,947,139; Feb. 13.
- Peters, Otto H., Williamsville, and A. H. Peters, Buffalo, N. Y. Fish lure. 1,963,380; June 19.
- Peters, Peter G., Bakersfield, Calif. Drum. 1,980,876; Nov. 13.
- Peters, Robert H., Buffalo, N. Y. Deodorant attachment for cooking utensils. 1,942,900; Jan. 9.
- Peters, Sidney, Denver, Colo. Mirror. 1,957,847; May 8.
- Peters, Walter C. (See Stein, L., and Peters.)
- Peters, William L., D. R. Feemster, and W. H. Schomburg, assignors to The Bingham Stamping & Tool Company, Toledo, Ohio. Forming hollow articles. 1,980,143; Nov. 6.
- Petersen, Antonette M. E. (See Petersen, Nels P., assignor.)
- Petersen, Arthur E. (See Schneider, G., Petersen, and Zimenez.)
- Petersen, Arthur E., Westfield, and E. A. Jareckie, Madison, N. J., assignors to Celluloid Corporation. Winding machine. 1,964,076; June 26.
- Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Circuit status indicating means. 1,955,513; Apr. 17.
- Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Candelabrum socket. 1,958,347; May 8.
- Petersen, Christen J., Chicago, Ill. Floor mat or floor covering. 1,948,826; Feb. 27.
- Petersen, Christian, Dearborn, Mich. Trailer vehicle. 1,967,425; July 24.
- Petersen, Clarence H., et al. (See Youtlen, H., Lindqvist, and Berglund, assignors.)
- Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Vehicle-engine radiator shutter. 1,943,245; Jan. 9.
- Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter. 1,947,875; Feb. 20.
- Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter. 1,979,810; Nov. 6.
- Petersen, Eyvind W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto construction. 1,954,828; Apr. 17.
- Petersen, Eyvind W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Motor-generator assembly. 1,978,688; Oct. 30.
- Petersen, George and H., Davenport, Iowa. Gas stove burner. 1,951,439; Mar. 20.
- Petersen, Harry. (See Petersen, George and H.)
- Petersen, John H., Baltimore, Md. Bottle. Des. 93,286; Sept. 11.
- Petersen, Max S., New York, N. Y. Two-cycle internal combustion engine. 1,972,409; Sept. 4.
- Petersen, Nels P., assignor to A. M. E. Petersen, Los Angeles, Calif. Vending machine. 1,959,688; May 22.
- Petersen, Samuel H. and F. D., Philadelphia, Pa. Multiple valve control. 1,971,882; Aug. 28.
- Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Tool carrier. 1,961,450; June 5.
- Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Die stock. 1,965,856; July 10.
- Petersen, Victor W., assignor to Hannifin Manufacturing Co., Chicago, Ill. Spring cover apparatus. 1,981,189; Nov. 20.
- Petersen, William F., and F. A. Hoppe, assignors to Schmidt Securities Company, Chicago, Ill. Dough tank. 1,966,681; July 17.
- Petersen, William L., Springfield, N. Y., assignor to Mergenthaler Linotype Company. Slug casting mold. 1,964,859; July 3.
- Petersen, Aaron, and P. D. Jones, Chicago, Ill. Skiving machine. 1,964,829; July 3.
- Petersen, Adolphe C., Minneapolis, Minn. Reciprocable piston distributing valve means. 1,973,857; Sept. 18.
- Petersen, Albert C., Valdosta, Ga. Air compressor. 1,962,836; June 12.
- Peterson, Alfred J. A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control switch. 1,982,321; Nov. 27.
- Peterson, Arthur A. (See Boegehold, A. L., and Peterson.)
- Peterson, Benedict F., Milwaukee, Wis. Steam heating system for automobiles. 1,983,145; Dec. 4.
- Peterson, Bert L., Wooster, Ohio. Rotary disk orifice valve. 1,982,754; Dec. 4.
- Peterson, Burr A., assignor to Barber-Colman Company, Rockford, Ill. Winder. 1,972,950; Sept. 11.
- Peterson, Carl A., assignor to Atwood-Bradshaw Corporation, Pittsburgh, Pa. Forming slots in rotors of rotary pumps. 1,962,152; June 12.
- Peterson, Carl D., assignor to Spicer Manufacturing Corp., Toledo, Ohio. Clutch mechanism. 1,961,568; June 5.
- Peterson, Carl D., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Sliding gear transmission (interrupted gear tooth). 1,977,204; Oct. 16.
- Peterson, Christian J., Springfield, Wis. Cake box. 1,950,265; Mar. 6.
- Peterson, Clarence E. (See Peterson, Oscar L., H. L., and C. E.)
- Peterson, Colquist, Sulphur Springs, Fla. Concrete step. 1,963,866; June 19.
- Peterson, Edgar A., Denver, Colo. 3,5 diacetoxy mercuri-4-nitro-guaiacol. 1,974,506; Sept. 25.
- Peterson, Edward H. (See McNaught, N. F., and Peterson.)
- Peterson, Edward S., Elmwood, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,944,694; Jan. 23.
- Peterson, Edward T. (See Fisk, G. L., and Peterson.)
- Peterson, Elrey G., Omaha, Nebr. Interlocking partition block. 1,981,324; Nov. 20.
- Peterson, Eric S., Lexington, Mass. Electric water heating apparatus. 1,978,690; Oct. 30.
- Peterson, Erick B. J., Minneapolis, Minn. Artificial fish bait. 1,957,799; May 8.
- Peterson, Ernest G., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and producing. 1,978,598; Oct. 30.
- Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 1,955,827; Apr. 24.
- Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 1,955,828; Apr. 24.
- Peterson, Francis C., Everett, Wash. Compressor. 1,952,142; Mar. 27.
- Peterson, Francis O., Stillwater, Minn. Office furniture. 1,949,326; Feb. 27.
- Peterson, Frank D. (See Petersen, Samuel H. and F. D.)
- Peterson, Frederick J. (See Owens, C. M., and Peterson.)
- Peterson, Gunnar P., Naugatuck, Conn., assignor to The Risdon Manufacturing Company. Package for safety pins and the like. 1,979,049; Oct. 30.
- Peterson, Gust W., Long Beach, Calif. Hair curling apparatus. 1,965,156; July 3.
- Peterson, Gustave A. (See Charman, W. M., and Peterson.)
- Peterson, Harold A., assignor of fifteen per cent to P. W. Peterson, Portland, Oreg. Fuse plug for electric light switch boxes. 1,952,279; Mar. 27.
- Peterson, Harold C., Belleville, N. J., and F. A. Ganteaume, Brooklyn, N. Y. Labeling device for loose leaf binders. 1,970,621; Aug. 21.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillator circuits. 1,975,615; Oct. 2.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Oscillation generation. 1,979,994; Nov. 6.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radk Corporation of America. Comparing alternating current voltages. 1,984,545; Dec. 18.
- Peterson, Harry L. (See Peterson, Oscar L., H. L., and C. E.)
- Peterson, Henry E., Grapeview, Wash. Grape stripper. 1,982,142; Nov. 27.
- Peterson, Hjalmar M., Seattle, Wash., assignor of one-half to J. G. Bennett, Minneapolis, Minn. Luminous buoy. 1,974,832; Sept. 25.
- Peterson, Johann G., West Hartford, Conn. Electric switch. 1,961,864; June 5.
- Peterson, John E., Irvington, assignor to The Van Vlaanderen Machine Company, Paterson, N. J. Driving mechanism for dyeing machines. 1,955,605; Apr. 17.
- Peterson, John E., Irvington, assignor to The Van Vlaanderen Machine Company, Paterson, N. J. Stop motion for dyeing machines. 1,958,675; May 15.
- Peterson, John E., Irvington, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Machine for treating fabrics with liquid. 1,958,676; May 15.
- Peterson, John E., Irvington, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Drive controlling mechanism. 1,960,081; July 10.
- Peterson, John F., New York, N. Y. Sash balance. 1,946,880; Feb. 13.
- Peterson, Juel L. (See Smith, E. R., and Peterson.)
- Peterson, Julius C., Chicago, Ill. Variable stroke lever engine. 1,978,058; Oct. 23.
- Peterson, Justin, Lynn, Mass., assignor to General Electric Company. Vehicle actuated traffic signal. 1,965,430; July 3.
- Peterson, Oscar. (See Brune, S. O., and Peterson.)
- Peterson, Oscar W., Wollaston, Mass., assignor to Providence Braid Company, Pawtucket, R. I. Sewing thread. 1,979,343; Nov. 6.
- Peterson, Levander, assignor to James H. Rhodes & Company, Chicago, Ill. Take-off mechanism for metal wool making machines. 1,960,793; May 29.

- Peterson, Levander, assignor to James H. Rhodes & Company, Chicago, Ill. Machine for forming metal wool into pads. 1,968,310; July 31.
- Peterson-Loeffler Company. (See Peterson, Roy D., assignor.)
- Peterson, Martin, New York, N. Y. Hand-operated indicator. 1,954,598; Apr. 10.
- Peterson, Oscar L. and H. L., Glen Rock, and C. E. Peterson, Ridgewood, N. J. Solution for treating metal surfaces. 1,954,745; Apr. 10.
- Peterson, Oscar L. and H. L., Glen Rock, and C. E. Peterson, Ridgewood, N. J., assignors to Delaney Chemical Company. Composition for treating metal. 1,954,743; Apr. 10.
- Peterson, Oscar L. and H. L., Glen Rock, and C. E. Peterson, Ridgewood, N. J., assignors to Delaney Chemical Company. Method and solution for treating metal surfaces. 1,954,744; Apr. 10.
- Peterson, Ove, Copenhagen, Denmark. Double-acting internal-combustion engine. 1,943,143; Jan. 9.
- Peterson, Paul D., Ligonier, Pa., assignor to The Koppers Company of Delaware. Wetttable sulphur composition. 1,973,910; Sept. 18.
- Peterson, Peter W. (See Peterson, Harold A., assignor.)
- Peterson, Pontus, Hempstead, N. Y., assignor to International Cigar Machinery Company. Leaf guide for cigar filler feeds. 1,948,594; Feb. 27.
- Peterson, Richard A. (See Nord, Evar A., assignor.)
- Peterson, Roy D., assignor to Peterson-Loeffler Company, Milwaukee, Wis. Carpet stretcher. 1,952,218; Mar. 27.
- Peterson, Roy E. (See Polzer, F., and Peterson.)
- Peterson, Russell G., assignor to G. H. Osgood, Tacoma, Wash. Vegetable protein glue. 1,977,404; Oct. 16.
- Peterson, Samuel, Detroit, Mich. Tool holder. 1,959,140; May 15.
- Peterson, Thomas F., Brooklyn, N. Y. Electric cable. 1,956,199; Apr. 24.
- Peterson, Victor W., assignor to Shafer Bearing Corporation, Chicago, Ill. Antifriction bearing. 1,973,994; Sept. 18.
- Petit, Jean F. G., Paris, assignor to Etablissements Labinal, Saint-Ouen (Seine), France. Engine starter. 1,985,794; Dec. 25.
- Petit, René, assignor to Societe des Schistes et Petroles de Franche Comte, Luxeuil les Baines, France. Apparatus for the distillation of bituminous schists. 1,944,647; Jan. 23.
- Petit, William H. (See Burnell, W. E., Petit, and Roth.)
- Petit, William H., and E. S. Hineline, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Automatic film camera. 1,963,095; June 19.
- Petit, William H., Dayton, Ohio, and E. S. Hineline, assignors to Folmer Graflex Corporation, Rochester, N. Y. Photographic film strip. 1,963,096; June 19.
- Petit, William H., and E. S. Hineline, assignors to Folmer Graflex Corporation, Rochester, N. Y. Method of and apparatus for making photographic records of meter and like readings. 1,963,312; June 19.
- Petit, William H., Dayton, Ohio, and E. S. Hineline, assignors to Folmer Graflex Corporation, Rochester, N. Y. Shutter control for cameras of any type. 1,963,417; June 19.
- Petit, William H., Dayton, Ohio, and E. S. Hineline, assignors to Folmer Graflex Corporation, Rochester, N. Y. Photographic mechanism and film magazine used therewith. 1,966,261; July 10.
- Petit, William H., and E. S. Hineline, assignors to Folmer Graflex Corporation, Rochester, N. Y. Photographing a large surface with short focus lenses. 1,977,453; Oct. 16.
- Petit, William H., and E. S. Hineline, assignors to Folmer Graflex Corporation, Rochester, N. Y. Photographic camera. 1,980,546; Nov. 13.
- Petitclaire, Louis. (See Kettlewell, H. E., and Petitclaire.)
- Petkoff, Christ T., Kansas City, Mo. Automobile signaling device. 1,962,786; June 12.
- Petovello, Gioachino. (See Ouellett, Thomas, assignor.)
- Petrak, Edward T., Quincy, Wash. Vehicle spring. 1,946,357; Feb. 6.
- Petrie, Peter S. (See Nutting, H. S., and Petrie.)
- Petrie, Peter S. (See Nutting, H. S., Petrie, Crope, and Huscher.)
- Petro, John S., Ansonia, Conn. Bookmark. 1,961,527; June 5.
- Petroleum Conversion Corporation. (See Beardsley, Edwin W., assignor.)
- Petroleum Conversion Corporation. (See Beardsley, E. W., and Colony, assignors.)
- Petroleum Conversion Corporation. (See Beardsley, E. W., and Sachs, assignors.)
- Petroleum Conversion Corporation. (See Blanckenburg, Emil, assignor.)
- Petroleum Conversion Corporation. (See Evans, D. M., and Dorsett, assignors.)
- Petroleum Conversion Corporation. (See Sachs, Albert P., assignor.)
- Petroleum Engineering, Inc. (See Raigorodsky, Paul M., assignor.)
- Petroleum Heat and Power Company. (See Bulger, William A., assignor.)
- Petroleum Heat and Power Company. (See Schenck, William P., assignor.)
- Petroleum Heat and Power Company. (See Schenck, W. P., and Mazzoli, assignors.)
- Petroleum Heat and Power Company. (See Shields, Carl E., assignor.)
- Petroleum Iron Works Company, The. (See Shanor, E. E., and Mardersteck, assignors.)
- Petroleum Processes Corporation, The. (See Whitaker, Harry, assignor.)
- Petroleum Rectifying Company. (See Lawrason, Levering, assignor.)
- Petroleum Rectifying Company of California. (See Eddy, H. C., and Kiech, assignors.)
- Petroleum Rectifying Company of California. (See Fisher, Harmon F., assignor.)
- Petroleum Rectifying Company of California. (See Garrison, M. E., and Van Loenen, assignors.)
- Petroleum Rectifying Company of California. (See Hanson, Gordon B., assignor.)
- Petroleum Rectifying Company of California. (See Roberts, Claudius H. M., assignor.)
- Petroleum Rectifying Company of California. (See Van Loenen, William E., assignor.)
- Petrone, Alfred L., Springfield, Mass. Movable toy. 1,959,641; May 22.
- Petrucelli, Daniel J., Brooklyn, N. Y. Dress and mouth protector. 1,970,622; Aug. 21.
- Petry, Herbert S., Brooklyn, N. Y. Golf club. 1,965,857; July 10.
- Petry, N. A., Company. (See Fieldman, Michael, assignor.)
- Petschenig, Karl, Vienna, Austria, assignor to the firm Actiengesellschaft C. P. Goerz Optische, Anstalt Actiova Spolecnost K. P. Goers Opticky Ustav, Bratislava, Czechoslovakia. Apparatus for mechanically determining the algebraic sum of angles of rotation and of angular speeds of shafts and for transmitting such sums to other apparatus. 1,943,229; Jan. 9.
- Petter, Guy B., assignor of one-half to Petters Limited, Yeovil, England. Calculating or adding machine. 1,983,945; Dec. 11.
- Petter, Noel A., assignor to Standard Paper Box Corporation, Los Angeles, Calif. Box lock or latch. 1,963,378; June 19.
- Petter, Noel A., assignor to Standard Paper Box Corporation, Los Angeles, Calif. Filler for egg boxes. 1,963,379; June 19.
- Petter, Noel A., assignor to Standard Paper Box Corporation, Los Angeles, Calif. Egg box filler and carton. 1,983,306; Dec. 4.
- Petters Limited. (See Petter, Guy B., assignor.)
- Petterson, Victor. (See Hillstrom, A. F., and Petterson.)
- Pettibone, Charles J., assignor to Edward Hines Western Pine Co., Hines, Oreg. Sawing rig. 1,978,142; Oct. 23.
- Pettibone Mulliken Company. (See Anderson, Oscar W., assignor.)
- Pettibone, Walter W., Erie, Pa. Feeder for pulverized materials. 1,944,902; Jan. 30.
- Pettibone, Walter W., Erie, Pa. Pulverizer. 1,967,323; July 24.
- Pettingell, Elmer E., Portland, Oreg. Motion picture and music synchronizing device. 1,965,906; July 10.
- Pettis, Fred A., assignor to Remington Rand Inc., Buffalo, N. Y. Filing device. 1,941,910; Jan. 2.
- Pettis, Fred A., assignor to Remington Rand Inc., Buffalo, N. Y. Index tab. 1,961,079; May 29.
- Pettit, James A., South Richmond Hill, assignor to Commonwealth Manufacturing Co., Inc., Brooklyn, N. Y. Ornament and making the same. 1,978,883; Oct. 30.
- Pettus, Curtis M., Alexander City, Ala. Pitman arm for looms. 1,970,185; Aug. 14.
- Petty, George M. (See Waldrop, E. H., and Petty.)
- Petty, Wilmer F. (See Denk, R. G., and Petty.)
- Petway, A. F., et al. (See Henson, Smith E., assignor.)
- Petz, John L., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,942,305; Jan. 2.
- Petzel, Arthur E., Yakima, Wash. Fruit washing machine. 1,968,503; July 31.
- Petzinger, Clarence F., assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Reamer pilot. 1,963,803; June 19.
- Petzke, Franklin J., Minneapolis, Minn. Counter display case. Des. 91,496; Feb. 13.
- Petzold, Adolf. (See Laska, L., Zitscher, Christ, and Petzold.)
- Petzoldt, Karl, Chemnitz, Germany. Loom. 1,953,260; Apr. 3.
- Peukert, Ernst. (See Giesen, J., and Peukert.)
- Pevear, Chase K., New York, N. Y. Merchandise handling system. 1,969,276; Aug. 7.
- Pevely Dairy Company. (See Nelson, Christian B., assignor.)
- Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Cracking mineral oil. 1,946,329; Feb. 6.
- Pew, Arthur E., jr., Bryn Mawr, and H. F. Angstadt, assignors to Sun Oil Company, Philadelphia, Pa. Treating containers for reception of transformer oil. 1,969,235; Aug. 7.
- Pew, Arthur E., jr., Bryn Mawr, and L. A. Tarbox, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Preparing used filtering material for revivification. 1,982,828; Dec. 4.
- Peyinghaus, Walter. (See Lehmann, Walter, assignor.)
- Peyinghaus, Walter, Egge, near Volmarstein-on-the-Ruhr, Germany. Ring lubricator. 1,964,135; June 26.

- Peyinghaus, Walter, Egge, near Volmarstein, Ruhr, Germany. Core molding apparatus. 1,968,703; July 31.
- Peyrole, Gabriel, Paris, France. Apparatus for permanent waving of the hair. 1,960,648; May 29.
- Peys, James B., West Springfield, Mass. Soldering tool. 1,963,336; June 19.
- Peyser, Alfred E., North Plainfield, N. J., and O. K. Zwingenberger deceased, New York, N. Y.; P. Zwingenberger, administratrix of said O. K. Zwingenberger. Sanitary shaving brush. 1,951,313; Mar. 13.
- Peyton, William C., New York, N. Y., assignor to Standard Stoker Company, Incorporated. Stoker. 1,945,787; Feb. 6.
- Pfaender, Emil, Olten, Switzerland. Manufacturing vessels and the apparatus used. 1,944,527; Jan. 23.
- Pfaff, Charles B. (See Badoux, L. F., and Pfaff.)
- Pfaff, George C., assignor to The Bartlett Hayward Company, Baltimore, Md. Dust quencher for water gas apparatus and the like. 1,980,499; Nov. 13.
- Pfaff, Harry E., L. R. Shafer, and A. Metherell, assignors to Tajmal Limited, Hamilton, Ontario, Canada. Wall panel and producing the same. 1,976,190; Oct. 9.
- Pfaff, Henry C., Jr., Newark, N. J. Sign holding device. 1,968,219; July 31.
- Pfaff, Karl, Kaiserslautern, Pfalz, Germany. Sewing machine. 1,978,281; Oct. 23.
- Pfaff, Kaspar. (See Steindorff, A., and Pfaff.)
- Pfaff, Kaspar. (See Steindorff, A., Pfaff, and Erlenbach.)
- Pfaff, Kaspar. (See Ziese, W., and Pfaff.)
- Pfaff, Kaspar, and M. Erlenbach, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Agents and method for killing flies. 1,953,629; Apr. 3.
- Pfaff, Kaspar, and M. Erlenbach, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Agents for killing insects. 1,974,689; Sept. 25.
- Pfahl, Charles A., Akron, Ohio. Heating apparatus. 1,970,766; Aug. 21.
- Pfaltzgraff, George W., assignor to The Pfaltzgraff Pottery Company, York, Pa. Flowerpot or the like. Des. 92,314; May 22.
- Pfaltzgraff Pottery Company, The. (See Pfaltzgraff, George W., assignor.)
- Pfannkuch, Wilhelm, Berlin-Wendenschloss, Germany, assignor to General Electric Company. High voltage cable. 1,977,325; Oct. 16.
- Pfannmuller, Julius. (See Wallerstein, L., and Pfannmuller.)
- Pfanstiehl, Carl, Highland Park, Ill., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 1,985,643; Dec. 25.
- Pfau, Arthur C., Cincinnati, Ohio. Routing machine. 1,958,203; May 8.
- Pfaudler Co., The. (See Goecke, Rudolph F., assignor.)
- Pfaudler Co., The. (See Jacobsen, Jens N., assignor.)
- Pfaudler, Conrad. (See Wietzel, R., and Pfaudler.)
- Pfauter, Edward M. (See Mandl, S., and Pfauter.)
- Pfauter, Edward M., assignor to Blackhawk Manufacturing Company, Milwaukee, Wis. Coupling for socket wrenches. Re19,093; Feb. 27.
- Pfauter, Edward M., assignor to Blackhawk Manufacturing Company, Milwaukee, Wis. Coupling for socket wrenches. Re19,287; Aug. 21.
- Pfeifferle, George H., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Gasket. 1,942,489; Jan. 9.
- Pfeifferle, George H., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Liquid filled gasket. 1,966,202; July 10.
- Pfeifferle, George H., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Gasket for pipe joints and clamps. 1,984,806; Dec. 18.
- Pfeiffer, August, New York, N. Y. Multiple fuse plug. 1,959,250; May 15.
- Pfeiffer, Christian. (See Moore, F. T., and Pfeiffer.)
- Pfeiffer, Frank E. (See Stern, M. C., and Pfeiffer.)
- Pfeiffer, Frank E., assignor to The Egly Register Company, Dayton, Ohio. Autographic register. Re19,203; June 12.
- Pfeiffer, Frank E., assignor to The Egly Register Company, Dayton, Ohio. Billing machine. 1,966,682; July 17.
- Pfeiffer, Frank E., assignor to The Egly Register Company, Dayton, Ohio. Summary sheet feed for autographic registers. 1,980,353; Nov. 13.
- Pfeiffer, Frank E., assignor to The Egly Register Company, Dayton, Ohio. Push-pull type paper sheet ejection. 1,980,354; Nov. 13.
- Pfeiffer, Frank E. and W. C., assignors to The Egly Register Company, Dayton, Ohio. Manifold machine. 1,951,838; Mar. 20.
- Pfeiffer, Frank E. and W. C., assignors to The Egly Register Company, Dayton, Ohio. Manifold device for typewriters. 1,983,097; Dec. 4.
- Pfeiffer, Franklin. (See von Gruber, O., and Pfeiffer.)
- Pfeiffer, Fred B. (See Alexander, H. S., Pfeiffer, and White.)
- Pfeiffer, Frederick W., West Allis, Wis. Building construction. 1,981,661; Nov. 20.
- Pfeiffer, George S., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Television apparatus. 1,943,395; Jan. 16.
- Pfeiffer, Grover F., Quincy, assignor to Moorman Manufacturing Company, Chicago, Ill. Forming mineral feed blocks. 1,960,548; May 29.
- Pfeiffer, Wilhelm, Kaaden-on-the-Eger, assignor of one-third to K. Reiss, Saaz-on-the-Eger, Czechoslovakia. Heating apparatus. 1,981,190; Nov. 20.
- Pfeiffer, William C. (See Pfeiffer, Frank E. and W. C.)
- Pfeiffer, William C., assignor to The Egly Register Company, Dayton, Ohio. Stationery. 1,957,032; May 1.
- Pfeiffer, William G., St. Louis, Mo. Safety clasp. 1,952,333; Mar. 27.
- Pfeil, Arthur, assignor to Red Arrow Electric Corporation, Irvington, N. J. Constant current transformer. 1,979,769; Nov. 6.
- Pfeil, Roy C. (See Bloss, R. R., and Pfeil, assignors.)
- Pfening, Fred D., Company, The. (See Pfening, Frederic D. and H., Jr., assignors.)
- Pfening, Fred D., Company, The. (See Pfening, Frederic D. and H., assignors.)
- Pfening, Frederic D. and H., Jr., assignors to The Fred D. Pfening Company, Columbus, Ohio. Liquid measuring means. 1,954,024; Apr. 10.
- Pfening, Henry, Jr. (See Pfening, Frederic D. and H., Jr.)
- Pfening, Henry, Jr. (See Pfening, Frederic D. and H.)
- Pferdmenges, Heinrich, Giesenkirchen, near Rheydt, Germany. Stuff for garments. 1,976,631; Oct. 9.
- Pferdmenges, Heinrich, Giesenkirchen/Rheydt, Germany. Method and apparatus for regulating the weight of the laps produced by the scutcher in a spinning mill. 1,985,056; Dec. 18.
- Pfingsten, August F., Rock Rapids, Iowa. Bread box. 1,949,759; Mar. 6.
- Pfingstmann-Werke Aktiengesellschaft. (See Walter, Carl, assignor.)
- Pfisterer, Karl, Stuttgart-Unterturkheim, Germany. Wide span cable connector for high-voltage lines. 1,941,715; Jan. 2.
- Pfitzer, Emil, Berlin-Kopenick, Germany, assignor to General Electric Company. Insulation. 1,979,995; Nov. 6.
- Pfizer, Charles, & Company. (See Pasternack, R., and Cragwall, assignors.)
- Pfizer, Charles, & Company. (See Pasternack, R., and Giles, assignors.)
- Pfizer, Charles, & Company. (See Pasternack, R., Mead, and Davenport, assignors.)
- Pfeider, Eugene C., West Orange, N. J. Clothesline device. 1,963,000; June 12.
- Pfager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,944,459; Jan. 23.
- Pfager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway brake construction. 1,967,478; July 24.
- Pfager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway pedestal and journal box structure. 1,970,977; Aug. 21.
- Pfager, Harry M., St. Louis, Mo., and A. R. Ayers, Cleveland, Ohio; said Pfager assignor of his entire right to General Steel Castings Corporation, Granite City, Ill. Locomotive boiler. 1,947,225; Feb. 13.
- Pfager, Harry M., St. Louis, Mo., and E. G. Hallquist, Edwardsville, assignors to General Steel Castings Corporation, Granite City, Ill. Hopper car. 1,985,380; Dec. 25.
- Pfaume, Julius R., Berkeley, Ill. Revolver cartridge clip. 1,964,171; June 26.
- Pfeger, George T., Los Angeles, Calif., assignor, by mesne assignments, to C. C. Kritzer, Chicago, Ill. Automatic belt-tensioning device. 1,960,506; May 29.
- Pfeger, George T., assignor to U. S. Electrical Manufacturing Company, Los Angeles, Calif. Ventilated motor. 1,961,387; June 5.
- Pfeiderer, Ernst, Ludwigshafen-on-the-Rhine, Germany. Generating high-pressure steam. 1,972,356; Sept. 4.
- Pfeiderer, Fritz, Berlin-Wilmersdorf, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,974,193; Sept. 18.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Metal minnow. 1,948,005; Feb. 20.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fish stringer. 1,975,754; Oct. 2.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Artificial bait. 1,977,141; Oct. 16.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel construction. 1,977,142; Oct. 16.
- Pfueger, Timothy L., San Francisco, Calif. Illuminated ceiling and wall. 1,956,773; May 1.
- Pfueger, Timothy L., San Francisco, Calif. Ceiling and wall construction. 1,962,648; June 12.
- Pflug, Hans. (See Wolman, K. H., and Pflug.)
- Pflugheuer, George J., Yonkers, N. Y. Steam trap for radiators. 1,962,360; June 12.
- Pflugradt, Alfred, Milwaukee, Wis. Stepladder. 1,973,774; Sept. 18.
- Pfauke, George L., Utica, N. Y. Knockdown table. 1,953,261; Apr. 3.
- Pfauke, George L., Utica, N. Y. Picnic table and bench. 1,967,590; July 24.
- Pfohl, Anthony J., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Construction material. 1,952,219; Mar. 27.
- Pforsche, Allen F., assignor of one-half to B. J. Morrow, Glassport, Pa. Bottle or container receiver. 1,944,806; Jan. 23.

- Pfund, August H., Baltimore, Md. Glossimeter. 1,949,619; Mar. 6.
- Pfundt, George M. (See Errig, W. F., and Pfundt.)
- Phair, Harold G. (See Van Steenberg, William A., assignor.)
- Phare, Clinton J., assignor to H. V. Bright, Cleveland, Ohio. Preventing clogging of coin controlled devices. 1,965,858; July 10.
- Pharis Tire and Rubber Company, The. (See Jones, John F., assignor.)
- Pharis Tire and Rubber Company, The. (See Otterman, Ralph E., assignor.)
- Pharma Chemical Corporation. (See Markush, Eugene A., assignor.)
- Phelan, Louis A. M., Chicago, Ill., and C. Hotchkiss, Elkhart, Ind., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical apparatus. Re19,235; July 10.
- Phelps, Alva W. (See Baker, R. W., Holmes, and Phelps.)
- Phelps, Alva W. (See Shippy, L. C., Phelps, and Holmes.)
- Phelps, Alva W., assignor to Delco-Remy Corporation, Anderson, Ind. Armature core insulating machine. 1,948,006; Feb. 20.
- Phelps, Alva W., J. Q. Holmes, C. E. Birch, and H. E. Smith Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Machine for fastening a wire to a tube. 1,960,954; May 29.
- Phelps, Alva W., and L. G. Malone, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Armature assembling machine. 1,964,441; June 26.
- Phelps, Clyde H., Mt. Vernon, N. Y., assignor to The Riess Manufacturing Company, Kokomo, Ind. Camber gauge for testing the camber of steering wheels of motor vehicles. 1,959,642; May 22.
- Phelps, Clyde H., Mount Vernon, N. Y., assignor, by mesne assignments, to The Master Electric Company, Dayton, Ohio. Axle level. 1,978,759; Oct. 30.
- Phelps Dodge Copper Products Corporation. (See Hamcke, Elmer W., assignor.)
- Phelps Dodge Copper Products Corporation. (See Staples, Horace A., assignor.)
- Phelps, Joseph, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,964,802; July 3.
- Phelps, Joseph, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y. Copyholder. 1,985,740; Dec. 25.
- Phelps, Maurice W. (See Barber, W. R., Natwick, and Phelps.)
- Phelps, Ralph L. (See Rabezzaña, H., and Phelps.)
- Phelps, Stuart M., assignor to Ceramic Products Company, Pittsburgh, Pa. Article of commerce and its production. 1,978,691; Oct. 30.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,506; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,507; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,508; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,509; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,510; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,511; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,512; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,513; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,514; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,515; Oct. 2.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,790; Nov. 6.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,791; Nov. 6.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,792; Nov. 6.
- Phifer, Harold K., East Orange, N. J. Shoe. Des. 93,793; Nov. 6.
- Philabert, Frank, Birmingham, Ala. Apparatus for the treatment of liquids. 1,956,132; Apr. 24.
- Philad Company, The. (See Becker, George, assignor.)
- Philad Company, The. (See Decker, George, assignor.)
- Philadelphia Drying Machinery Company. (See Allsop, Thomas, assignor.)
- Philadelphia Drying Machinery Company. (See Belcher, Harold H., assignor.)
- Philadelphia Drying Machinery Company, The. (See Galson, Henry L., assignor.)
- Philadelphia Drying Machinery Company, The. (See Galson, H. L., and Belcher, assignors.)
- Philadelphia Drying Machinery Company, The. (See Sibson, W. W., and Belcher, assignors.)
- Philadelphia Drying Machinery Company, The. (See Sibson, W. W., and Dennis, assignors.)
- Philadelph Metal Drying Form Company. (See Gugenheim, Paul, assignor.)
- Philadelphia Optical Company. (See Simmerman, Harold, assignor.)
- Philadelphia Quartz Company. (See Morey, George W., assignor.)
- Philadelphia Screen Mfg. Company. (See Mearkle, Harry L., assignor.)
- Philadelphia Storage Battery Company. (See Bowman, John M., assignor.)
- Philadelphia Storage Battery Company. (See Earnshaw, David P., assignor.)
- Philadelphia Storage Battery Company. (See Grinditch, William H., assignor.)
- Philadelphia Storage Battery Company. (See Huntsberger, John D., assignor.)
- Philco Shoe Corporation. (See Grossman, Nicholas J., assignor.)
- Philipp, Curt, assignor to Chemische Fabrik von Heyden, A. G., Radebeul-Dresden, Germany. Esters of carvacrol and their production. 1,957,908; May 8.
- Philipp, Curt, assignor to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Rendering Chloro-carvacrol derivatives soluble and product obtained thereby. 1,964,999; July 3.
- Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,955,087; Apr. 17.
- Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,979,638; Nov. 6.
- Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Evaporator for refrigerators. 1,983,990; Dec. 11.
- Philippi, Theodore F., East St. Louis, Ill. Envelope. 1,952,888; Mar. 27.
- Philips, Harlow D., assignor to Eastman Kodak Company, Rochester, N. Y. Variable pitch motion picture film sprocket. 1,973,503; Sept. 11.
- Philips, N. V., Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
- Philips, N. V., Gloeilampenfabrieken. (See De Jong, Frans H., assignor.)
- Philips, N. V., Gloeilampenfabrieken. (See Holst, G., and Tellegen, assignors.)
- Philips, N. V., Gloeilampenfabrieken. (See Jonas, Gottfried B., assignor.)
- Philips, N. V., Gloeilampenfabrieken. (See Mulder, Johannes G. W., assignor.)
- Philips, N. V., Gloeilampenfabrieken. (See van Geel, W. C., de Boer, and Emmens, assignors.)
- Philips, Ruth M., et al. (See Montgomery, James A., assignor.)
- Philips, William E., Chicago, Ill., assignor to Link-Belt Company. Building levees. 1,980,634; Nov. 13.
- Philippi, Earl L. (See Alexanderson, E. F. W., Mittag, and Philippi.)
- Philippi, Earl L., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system and excitation apparatus therefor. 1,971,833; Aug. 28.
- Phillips, Albert C. (See Adams, John H., assignor.)
- Phillips, Albert J. (See Seavey, F. R., Phillips, and Olsen.)
- Phillips, Andrew R. R., Johnstown, Pa. Scoring device for games. 1,953,630; Apr. 3.
- Phillips, Arthur H., Hempstead, and W. Allan, Jr., New York, N. Y., assignors to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding book. 1,975,660; Oct. 2.
- Phillips, Arthur V., London, Ontario, Canada, assignor to Kelvinator Corporation, Detroit, Mich. Milk cooler. 1,943,991; Jan. 16.
- Phillips, Arthur V., London, Ontario, Canada, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerated display case. 1,948,312; Feb. 20.
- Phillips, Bertram T., assignor of one fourth to S. E. Arnold, one fourth to J. P. Ryan, and one fourth to E. S. Hinz, Chicago, Ill. Beverage dispensing cabinet. Des. 91,899; Apr. 3.
- Phillips, Bertram T., Elkhart, Ind., assignor to C. Edward, Chicago, Ill. Food comminuting utensil. 1,974,194; Sept. 18.
- Phillips, Burdette H., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Time stamp. 1,944,695; Jan. 23.
- Phillips, Charles L., and I. M. Uppercu, New York, N. Y., assignors to Whirlpool Incorporated. Game of skill. 1,944,997; Jan. 30.
- Phillips, David W., Chicago, Ill. Apparatus for investing dental casting patterns. 1,953,866; Apr. 3.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Roller mount for sliding doors. 1,956,043; Apr. 24.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Multiple door compartment. 1,973,878; Sept. 18.
- Phillips, Emery, Huron, S. Dak. Safety mail box holder. 1,958,677; May 15.
- Phillips, Eugene, New York, N. Y. Elevator. 1,953,772; Apr. 3.
- Phillips, Everett, Leesburg, Va. Gate operating mechanism. 1,963,212; June 19.
- Phillips, Fred, Oak Grove, assignor of one-half to S. E. Cummins, Lees Summit, Mo. Animal snare. 1,958,548; May 15.
- Phillips, George D., et al. (See Reinecke, F., Phillips, and Giller.)
- Phillips, George E., Ben Avon, Pa., assignor to National Electric Products Corporation, Wilmington, Del. Making armored cables. 1,966,516; July 17.

- Phillips, George E., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Method of and apparatus for making armored cable. 1,966,517; July 17.
- Phillips, Harold F., Belmont, Mass. Apparatus for resizing piston ring grooves. 1,964,480; June 26.
- Phillips, Harry C., assignor of one-half to H. P. Sheppard, Gloucester, England. Rotary engine, motor, compressor, and the like. 1,974,122; Sept. 18.
- Phillips, Harry W., Jordan, N. Y. Fly box. 1,963,502; June 19.
- Phillips, Hector G. O., St. Kilda, Victoria, Australia. Amusement apparatus. 1,960,895; May 29.
- Phillips, Hervey B., Albany, N. Y., assignor to Addressograph Company, Wilmington, Del. Printing form. 1,949,693; Mar. 6.
- Phillips, Howard A., Ottumwa, Iowa. Conveyer. 1,959,735; May 22.
- Phillips, Irving M., and P. W. Kalinsky, assignors to Continental Equipment Company, Chicago, Ill. Pump construction and lubrication thereof. 1,961,451; June 5.
- Phillips, James B., Cape Elizabeth, assignor to The Maine Electric Company, Portland, Maine. Blower. 1,966,262; July 10.
- Phillips, John, New York, N. Y. Hair end waver. 1,962,615; June 12.
- Phillips, John H., Pittsburgh, Pa. Collapsible container. 1,942,771; Jan. 9.
- Phillips, John H., Chicago, Ill. Drill. 1,968,055; July 31.
- Phillips, John X., jr., Washington, D. C., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. Re19,202; June 5.
- Phillips-Jones Corporation. (See Golden, Thomas H., assignor.)
- Phillips, Joseph D., Spokane, Wash. Window. 1,982,351; Nov. 27.
- Phillips, Leonard H., Somerville, Mass. Dry powdered soap composition. 1,972,458; Sept. 4.
- Phillips, Lewis F. (See Hess, G. L., and Phillips.)
- Phillips, Maurice M., South Side Pittsburgh, Pa. Radio receiving circuit. 1,946,107; Feb. 6.
- Phillips, Maurice M., and A. P. Schaefer, Pittsburgh, Pa. Thermostatically regulated mixing valve. 1,984,892; Dec. 18.
- Phillips, Milford C. (See Havenner, V., and Phillips.)
- Phillips, Paul D., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Snap-on holder. 1,944,717; Jan. 23.
- Phillips, Paul D., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull switch socket. 1,961,452; June 5.
- Phillips, Paul D., Elmhurst, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Hood and reflector construction. 1,965,722; July 10.
- Phillips Petroleum Company. (See Auld, Donald W., assignor.)
- Phillips Petroleum Company. (See Buell, Albert E., assignor.)
- Phillips Petroleum Company. (See Crites, W. J., and Knowlton, assignors.)
- Phillips Petroleum Company. (See Endacott, Paul S., assignor.)
- Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
- Phillips Petroleum Company. (See Guyer, Jesse A., assignor.)
- Phillips Petroleum Company. (See Hamner, Clyde F., assignor.)
- Phillips Petroleum Company. (See Hindman, Thomas E., assignor.)
- Phillips Petroleum Company. (See Hubbell, Alfred W., assignor.)
- Phillips Petroleum Company. (See Miller, Roy H., assignor.)
- Phillips Petroleum Company. (See Riney, A. H., and Gibbs, assignors.)
- Phillips Petroleum Company. (See Schulze, W. A., and Frey, assignors.)
- Phillips Petroleum Company. (See Thomas, Roswell W., assignor.)
- Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)
- Phillips, Ross M. G., West Haven, assignor to The Baskick Company, Bridgeport, Conn. Fastening for automobile hoods. 1,943,927; Jan. 16.
- Phillips, Russell W., Rockville Center, N. Y., assignor, by mesne assignments, to Nashua Gummed & Coated Paper Company, Nashua, N. H. Strip serving apparatus. 1,958,443; May 15.
- Phillips, Russell W., Rockville Center, N. Y., assignor, by mesne assignments, to Nashua Gummed & Coated Paper Company, Nashua, N. H. Strip serving device. 1,959,293; May 15.
- Phillips, Russell W., Rockville Center, N. Y., assignor, by mesne assignments, to Nashua Gummed & Coated Paper Company, Nashua, N. H. Strip serving means. 1,959,294; May 15.
- Phillips, Walter C., San Francisco, Calif. Apparatus for precooling cars. 1,965,802; July 10.
- Phillips, Walter E., Cleveland Heights, Ohio, assignor to Cleveland Metal Hose Company, Roseville, N. J. Method and apparatus for making a slit flexible tubing. 1,964,407; June 26.
- Phillips, William H., Oak Park, assignor to Henry Pratt Co., Chicago, Ill. Valve. 1,977,351; Oct. 16.
- Phillips, William M., Birmingham, and G. M. Cole, assignors to General Motors Corporation, Detroit, Mich. Electroplating process. 1,979,996; Nov. 6.
- Phillis, William A., assignor to The Borden Company, Warren, Ohio. Die stock. 1,953,974; Apr. 10.
- Phillis, William A., assignor to The Borden Company, Warren, Ohio. Tube cutter. 1,953,975; Apr. 10.
- Philpott, La Verne R., Wilkensburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Constant potential supply for electric-discharge devices. 1,966,216; July 10.
- Philpott, La Verne R., Wilkensburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Facsimile transmitter. 1,985,057; Dec. 18.
- Philpott, Troy I. (See Chamness, O. L., Alfante, and Philpott.)
- Philrand, Inc. (See Rand, James H., assignor.)
- Pinney, Edgar E., West Orange, assignor to Defiance Manufacturing Corporation, Orange, N. J. Checkwriter. 1,980,822; Nov. 13.
- Pinney, Maurice R., assignor to Numpad Incorporated, Hyannis, Mass. Seal for automobile license plates. 1,946,946; Feb. 13.
- Pinney-Walker Co. Inc. (See Cook, Stephen C., assignor.)
- Phipps, John T., Houston, Tex. Drill. 1,977,085; Oct. 16.
- Phipps, William A. P., Rye, N. Y. Combined door catch and buffer. 1,941,576; Jan. 2.
- Phoenix, Ernest T. (See Cooper, W. B., and Phoenix.)
- Phoenix Glass Company. (See Smith, John C., assignor.)
- Phoenix Glass Company, The. (See Stewart, Andrew H., assignor.)
- Phoenix Glass Company, The. (See Stewart, Frederick W., assignor.)
- Phoenix Hosiery Company. (See Hawes, Herbert E., assignor.)
- Phoenix Hosiery Company. (See Schuknecht, Walter, assignor.)
- Phoenix Manufacturing Company. (See O'Connor, Michael M., assignor.)
- Phoenix Metal Cap Co. (See Kowal, Walter, assignor.)
- Phosphate Recovery Corporation. (See Crago, A., and Martin, assignors.)
- Photo-Cast, Inc. (See Bennett, Charles W., assignor.)
- Photo-Cylinder Corporation. (See Boedicker, Herman C., assignor.)
- Photostat Corporation. (See Greene, John S., assignor.)
- Photostat Corporation. (See Landrick, Paul, assignor.)
- "Physical Chemistry Research Cy". (See Michot-Dupont, Georges F., assignor.)
- Physloc, Lewis W. (See Whitson, D. A., and Physloc.)
- Phythian, Thomas E., Headingley, Leeds, England. Ink distributing mechanism for printing machines. 1,969,942; Aug. 14.
- Phythian, Thomas E., Headingley, Leeds, England. Inking mechanism for rotary printing presses. 1,978,760; Oct. 30.
- Phythian, Thomas E., Headingley, and C. H. Crabtree, Leeds, England. Rotary printing press. 1,968,166; July 31.
- Piat, Jean M., Villeurbanne, France. Carburetor. 1,975,432; Oct. 2.
- Piatt, Howard L., assignor to Motor Wheel Corporation, Lansing, Mich. Heating apparatus. 1,943,622; Jan. 16.
- Piazza, Louis C. (See Libberton, H., and Piazza.)
- Piazza, Louis C., Western Springs, assignor to Soundex Corporation, Chicago, Ill. Tie bracket. 1,945,161; Jan. 30.
- Piazza, Louis C., assignor to The Soundex Corporation, Chicago, Ill. Wall and ceiling construction. 1,945,564; Feb. 6.
- Piazza, Louis C., Western Springs, assignor to Soundex Corporation, Chicago, Ill. Wall construction. 1,976,577; Oct. 9.
- Piazze, Thomas E. (See Jones, L. L., and Piazze.)
- Piazze, Thomas E., Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Differentiation of speeds. 1,943,038; Jan. 9.
- Piazzoli, Louis P., jr., assignor to Capstan Glass Company, Connellsville, Pa. Mold transferring mechanism. 1,942,832; Jan. 9.
- Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 91,366; Jan. 16.
- Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 92,423; June 5.
- Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 92,424; June 5.
- Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Bottle or similar article. Des. 92,975; Aug. 7.
- Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 94,095; Dec. 18.
- Picard, Clarence O., assignor of one-half to P. Levine, Milwaukee, Wis. Plant protector. 1,959,875; May 22.
- Picard, Pierre, Neuilly, France. Manicuring instrument. 1,949,327; Feb. 27.
- Piccard, Jean, Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Flash composition. 1,964,077; June 26.

- Piccard, Jean, Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Fuse powder for metal delays. 1,971,502; Aug. 28.
- Piccard, Jules E., Westbury, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Oleopneumatic strut. 1,950,995; Mar. 13.
- Piccinilli, Pasqual J., Crestwood, N. Y. Pavement slab. 1,984,944; Dec. 18.
- Picco, John, New York, N. Y. Ventilating window shade. 1,983,046; Dec. 4.
- Pick, Albert, Co. (See Schmid, Fred, assignor.)
- Pickard, Greenleaf W., Newton Center, Mass., assignor, by mesne assignments, to General Electric Company. Magnetic compass. 1,946,710; Feb. 13.
- Pickel, Fred, and W. von Poelgeest, Hasbrouck Heights, N. J. Window sash construction. 1,941,716; Jan. 2.
- Pickel, Fred and W. von Poelgeest, Carlstadt, N. J. Window sash construction. 1,966,902; July 17.
- Pickell, Charles R. (See Disbro, I. R., and Pickell.)
- Pickens, Claude A., Spokane, Wash. Reciprocating ironer. 1,974,584; Sept. 25.
- Picker, Sidney, assignor to Crystal Corporation, New York, N. Y. Jar. Des. 92,425; June 5.
- Picker, Sidney, assignor to Crystal Corporation, New York, N. Y. Bottle. Des. 92,426; June 5.
- Pickering, George H., Bedford, England, assignor to Cutler Hammer, Inc., Milwaukee, Wis. Electromechanical brake. 1,955,561; Apr. 17.
- Pickering Governor Company, The. (See Crafts, Irving M., assignor.)
- Pickett, John H., Hamilton, Ontario, Canada, assignor to Holid-Tite Packing Corporation, New York, N. Y. Egg container. 1,967,040; July 17.
- Pickett, Oscar A., assignor to Hercules Powder Company, Wilmington, Del. Wetting-out agent. 1,958,860; May 15.
- Pickett, Oscar A., Avondale, Pa., assignor to Hercules Powder Company, Wilmington, Del. Towel. 1,969,900; Aug. 14.
- Pickett, Warren S., Santa Clara, Calif. Window shade raising device. 1,985,105; Dec. 18.
- Pickin, Rowland O., Los Angeles, Calif. Well drilling bit and its manufacture. 1,973,657; Sept. 11.
- Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator implement. 1,961,388; June 5.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Solid fuel range. Des. 92,823; July 17.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Solid fuel range. Des. 92,824; July 17.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Space heater. Des. 93,046; Aug. 14.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Thermometer for cook stoves. Des. 93,733; Oct. 30.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Stove construction. 1,967,257; July 24.
- Pickworth, John W. (See Weiskopf, W. H., and Pickworth.)
- Pie Bakeries, Inc. (See Jackson, Alexander F., assignor.)
- Piekarski, John. (See Stoddard, E. S., and Piekarski.)
- Piel, Werner, Langensalza, Germany. Handle-fastening of tools. 1,967,562; July 24.
- Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Internal combustion engine. 1,962,523; June 12.
- Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Piston rod connection. 1,967,063; July 17.
- Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Housing for a vertical combustion power engine. 1,969,031; Aug. 7.
- Piepenbring, Gustave A., Stratford, assignor to American Fabrics Company, Bridgeport, Conn. Label folding method and means. 1,962,361; June 12.
- Piepenbring, Gustave A., Stratford, Conn., assignor to The American Fabrics Company. Process and apparatus for producing cut and folded labels. 1,978,282; Oct. 23.
- Piepenbring, Gustave A., Stratford, and W. Beutel, assignors to The American Fabrics Company, Bridgeport, Conn. Label cutting and folding machine. 1,958,096; May 8.
- Piepenbring, Gustave A., Stratford, and W. Beutel, assignors to The American Fabrics Company, Bridgeport, Conn. Label cutting and folding machine. 1,966,903; July 17.
- Pieper, Alphonse F., et al. (See Meitzler, Charles R., assignor.)
- Pieper, Alphonse F. (See Pieper, O. H. and A. F.)
- Pieper, Alphonse F., Rochester, N. Y. Dental operating lamp. 1,963,278; June 19.
- Pieper, Alphonse F., Rochester, N. Y. Operating lamp. 1,963,279; June 19.
- Pieper, Chester R., La Crosse, Wis. Heating device. 1,966,133; July 10.
- Pieper, Chester R., La Crosse, Wis. Heating apparatus. 1,968,351; July 31.
- Pieper, Chester R., La Crosse, Wis. Guy anchor. 1,973,995; Sept. 18.
- Pieper, Erich, Altona-on-the-Elbe, Germany. Device for displaying flags and the like on airplanes. 1,973,389; Sept. 11.
- Pieper, Henri, Brussels, Belgium. Regulating device for dampers for elastic vehicle suspensions. 1,982,398; Nov. 27.
- Pieper, John, Holland, Mich. Ocular vitalizer. 1,959,217; May 15.
- Pieper, Oscar H., et al. (See Meitzler, Charles R., assignor.)
- Pieper, Oscar H., Rochester, N. Y. X-ray apparatus. 1,949,760; Mar. 6.
- Pieper, Oscar H., Rochester, N. Y. Dental apparatus. 1,959,964; May 22.
- Pieper, Oscar H., Rochester, N. Y. X-ray machine. 1,979,997; Nov. 6.
- Pieper, Oscar H. and A. F., Rochester, N. Y. X-ray apparatus. 1,974,929; Sept. 25.
- Pier, Mathias. (See Krauch, C. and Pier.)
- Pier, Mathias. (See Krauch, C., Pier, and Eisenhut.)
- Pier, Mathias. (See Krauch, C., Pier, and Winkler.)
- Pier, Mathias, Heidelberg, Germany, assignor to Standard-I. G. Company, Linden, N. J. Preheating carbonaceous materials. 1,955,014; Apr. 17.
- Pier, Mathias, Heidelberg, Germany, assignor to Standard-I. G. Company, Linden, N. J. Production of useful hydrocarbons. 1,960,794; May 29.
- Pier, Mathias, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion of hydrocarbons of high boiling point into those of lower boiling point. 1,963,245; June 19.
- Pier, Mathias, Heidelberg, Germany, assignor to Standard-I. G. Company, Linden, N. J. Treatment of coals, tars, mineral oils, and the like. 1,969,422; Aug. 7.
- Pier, Mathias, Heidelberg, and K. Winkler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Production of catalysts. 1,946,108; Feb. 6.
- Pier, Mathias, Heidelberg, and K. Winkler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Production of catalysts. 1,946,109; Feb. 6.
- Pier, Mathias, Heidelberg, K. Wissel, Ludwigshafen-on-the-Rhine, and W. Dinkler, Mannheim, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Reaction with hydrogen and in apparatus therefor. 1,949,109; Feb. 27.
- Pier, Mathias, Heidelberg, K. Winkler, and H. Schmitt, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Recovery of oils and coke from oil-bearing residues. 1,950,811; Mar. 13.
- Pier, Mathias, Heidelberg, and K. Wissel, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation of carbonaceous materials. 1,954,096; Apr. 10.
- Pier, Mathias, Heidelberg, and W. Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Conversion of carbonaceous materials into useful hydrocarbon products. 1,955,829; Apr. 24.
- Pier, Mathias, Heidelberg, and K. Winkler and K. Wissel, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Production of valuable organic products. 1,959,175; May 15.
- Pier, Mathias, Heidelberg, and W. Simon, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of hydroaromatic hydrocarbons. 1,960,977; May 29.
- Pier, Mathias, Heidelberg, and K. Winkler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Recovery of the reaction products of the destructive hydrogenation of carbonaceous materials. 1,961,982; June 5.
- Pier, Mathias, Heidelberg, and K. Wissel, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Valuable hydrocarbons by destructive hydrogenation. 1,963,759; June 19.
- Pier, Mathias, and A. O. Eisenhut, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of viscous oils. 1,964,891; July 3.
- Pier, Mathias, Heidelberg, and F. Christmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of valuable lubricating oils. 1,965,390; July 3.
- Pier, Mathias, Heidelberg, and E. Hochschwender, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of valuable hydrocarbons from varieties of coal, tars, mineral oils, and the like. 1,970,248; Aug. 14.
- Pier, Mathias, Heidelberg, and W. Simon, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Desulphurization of hydrocarbon oils by hydrogenation. 1,975,475; Oct. 2.
- Pier, Mathias, Heidelberg, and E. Donath, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of organic compounds by dehydrogenation. 1,975,476; Oct. 2.
- Pier, Mathias, Heidelberg, and F. Ringer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Non-knocking motor fuel. 1,979,841; Nov. 6.

- Pier, Mathias, Heidelberg, and E. Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of liquid hydrocarbon products. 1,983,241; Dec. 4.
- Pier, Mathias, Heidelberg, and W. Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Destructive hydrogenation. 1,984,596; Dec. 18.
- Pierce, Allen B., Syracuse, assignor to Universal Pressing Machine Company, Oswego, N. Y. Valve for garment pressing machines. 1,976,578; Oct. 9.
- Pierce, Benjamin F., East Providence, assignor to J. C. Hall Company, Providence, R. I. Flat opening book and making same. 1,962,407; June 12.
- Pierce, Burt N. (See Thompson, V. W., and Pierce.)
- Pierce, Burt N., New York, N. Y. Filling and measuring machine. 1,949,580; Mar. 6.
- Pierce, Burt N., New York, N. Y. Lubricating system for internal combustion engines. 1,957,909; May 8.
- Pierce, Daniel N. (See Sadler, E. W., Pierce, and Mortensen.)
- Pierce, Earl R., Flint, assignor to General Motors Corporation, Detroit, Mich. Two-part hoop type governor. 1,973,879; Sept. 18.
- Pierce, Ella L. (See Pierce, Guy C., assignor.)
- Pierce, George W., Cambridge, Mass. Magnetostrictive vibrator. 1,962,154; June 12.
- Pierce, George W., Cambridge, Mass. Vibratory system and apparatus. 1,962,155; June 12.
- Pierce Governor Company. (See Biddle, Farrell D., assignor.)
- Pierce, Guy C., assignor to E. L. Pierce, Los Angeles, Calif. Method of and material for filtration. 1,981,788; Nov. 27.
- Pierce, Harold S., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Chain. 1,945,357; Jan. 30.
- Pierce, Harry C., Newark, N. J. Grating. 1,953,657; Apr. 3.
- Pierce, Hodgson S. (See Stevens, Claud L., assignor.)
- Pierce, James E. (See Boundy, R. H., and Pierce.)
- Pierce, James H., Bay City, Mich. Internal combustion engine. 1,971,620; Aug. 28.
- Pierce, Jeremiah A. (See Connolly, G. C., and Pierce.)
- Pierce, John B., Foundation. (See Davison, Robert L., assignor.)
- Pierce, John E., assignor to E. Ibery, Houston, Tex. Steam generator. 1,965,749; July 10.
- Pierce, Lawrence, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnetic contactor. 1,966,217; July 10.
- Pierce, Lonnie J. (See Clark, H. F., and Pierce.)
- Pierce, Lucien, Malden, assignor of one-half to G. W. Hooper, Salem, and one-half to Family Laundry Company Malden, Malden, Mass. Laundry mechanism and method. 1,954,261; Apr. 10.
- Pierce, Lucien, assignor of one-half to G. W. Hooper, Salem, and one-half to Family Laundry Company Malden, Malden, Mass. Control apparatus for washing and cleansing machines. 1,982,320; Nov. 27.
- Pierce, Lyle L. (See Minshall, R. L., and Pierce.)
- Pierce, Ralph H., Eugene, Oreg. Pipe joint. 1,945,293; Jan. 30.
- Pierce, Raymond C., Bronxville, N. Y., assignor to York Ice Machinery Corporation, York, Pa. Production of solid carbon dioxide. 1,949,179; Feb. 27.
- Pierce, Raymond T., Milburn, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical testing apparatus. 1,984,493; Dec. 18.
- Pierce, Robert C., assignor to National-Standard Company, Niles, Mich. Lamp shade. 1,943,928; Jan. 16.
- Pierce Steel Pile Corporation. (See Budd, Robert D., assignor.)
- Pierce Steel Pile Corporation. (See Nadel, Louis, assignor.)
- Pierce, Stephen C., jr. (See Larmour, H. M., and Pierce.)
- Pierce, William L., Canton, Ohio. Road surface gauge. 1,967,758; July 24.
- Pierce, William S., assignor of one-half to J. A. Rupert, Keystone Heights, Fla. Gas and oil well equipment. 1,965,907; July 10.
- Piercy, Carl A., Ballston Lake, N. Y., assignor to General Electric Company. Connecting reservoirs to fluid filled cables. 1,970,393; Aug. 14.
- Piercy, William, Philadelphia, Pa. Paint applying device. 1,976,511; Oct. 9.
- Pieri, Raymond J., and J. B. De Mattia, Syracuse, N. Y.; said Pieri assignor to said De Mattia. Pelvimeter. 1,953,498; Apr. 8.
- Pieroh, Kurt. (See Mueller-Cunradi, M., Pieroh, and Glehne.)
- Pierre, Edward D., and G. C. Wright, Indianapolis, Ind. Building. Des. 93,241; Sept. 4.
- Pierrot, André, assignor to Lignes Telegraphiques et Telephoniques, Paris, France. Telecommunication system. 1,973,504; Sept. 11.
- Piersall, Napoleon B., Newark, N. J. Attachment for faucets. 1,957,353; May 1.
- Pierson, Charles A., assignor to The Standard Electric Stove Company, Toledo, Ohio. Broiling device. 1,962,908; June 12.
- Pierson, George, Chaska, assignor of one-half to J. A. Diethelm, Victoria, Minn. Beet harvester. 1,957,108; May 1.
- Pierson, Gordon G., Lansdale, Pa., assignor to Perkins Glue Company. Adhesive composition. 1,964,960; July 3.
- Pierson, Hilding L., Brooklyn, assignor to Silent American Ticket Machine Co., Long Island City, N. Y. Casing for a keyboard for ticket issuing machines. Des. 92,676; July 3.
- Pierson, Torvald N., assignor to Gleaner Harvester Corporation, Independence, Mo. Harvesting machine. 1,942,037; Jan. 2.
- Pierson, Torvald N., assignor, by mesne assignments, to Gleaner Harvester Corporation, Independence, Mo. Straw retainer. 1,972,031; Aug. 28.
- Pierson, Wesley R., Minneapolis, Minn. Concrete mat. 1,983,772; Dec. 11.
- Pietenpol, William B., and F. C. Walz, Boulder, Colo. Terminal connection. 1,970,022; Aug. 14.
- Pietras, Walter J. (See Bearman, J. H., and Pietras.)
- Pietro, Gene, Chicago, Ill. Shaving brush. 1,956,927; May 1.
- Piety, Raymond G., New York, N. Y., assignor to Bremer-Tully Manufacturing Company, Chicago, Ill. Radio receiving circuit. 1,942,385; Jan. 2.
- Pietzsch, Frank H. (See Campbell, S. H., Habenicht, and Pietzsch.)
- Pietzsch, Frank H., and S. H. Campbell, assignors to Railway Devices Company, St. Louis, Mo. Brake slack adjuster. 1,964,137; June 26.
- Pietzsch, Frank H., and S. H. Campbell, assignors to Railway Devices Company, St. Louis, Mo. Brake slack adjuster. 1,964,138; June 26.
- Pietzsch, Kurt F., assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus and process. 1,961,164; June 5.
- Piganeau, Gérard P., Paris, France. Servomotor. 1,950,950; Mar. 13.
- Pigg, Charles H., et al. (See Gustafson, Hjalmer C., assignor.)
- Pigg, William F., et al. (See Gustafson, Hjalmer C., assignor.)
- Piggly Wiggly Corporation. (See Gray, Richard E., assignor.)
- Piggott, Henry A., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Alkylene-oxide derivatives of polyhydroxyalkyl-alkylamides. 1,985,424; Dec. 25.
- Piggott, Wallace J. (See Reynolds, M. P., and Piggott.)
- Pignon, Jean. (See Laforest, J., and Pignon.)
- Pignone, Joseph, New York, N. Y. Gauge. 1,942,118; Jan. 2.
- Pike, Eugene W., sr., Arlington, N. J. Moistener. Des. 93,734; Oct. 30.
- Pike, George J., Grand Rapids, Mich. Molding for pieces of furniture. Des. 92,553; June 19.
- Pike, George J., Grand Rapids, Mich. Furniture base. Des. 92,554; June 19.
- Pike, George J., Grand Rapids, Mich. Molding for pieces of furniture. Des. 92,555; June 19.
- Pike, George J., Grand Rapids, Mich. Furniture leg. Des. 92,556; June 19.
- Pike, George J., Grand Rapids, Mich. Molding for pieces of furniture. Des. 92,557; June 19.
- Pike, George J., Grand Rapids, Mich. Molding for pieces of furniture. Des. 92,558; June 19.
- Pike, Robert D., Piedmont, assignor to Kalff Corporation, Emeryville, Calif. Centrifugal casting device. 1,944,460; Jan. 23.
- Pike, Robert D., Diablo, assignor to Kalff Corporation, Emeryville, Calif. Centrifugal casting. 1,944,461; Jan. 23.
- Pike, Robert D., Diablo, H. J. Stevenson, Oakland, and O. M. Eash, Berkeley, assignors to Kalff Corporation, Emeryville, Calif. Manufacturing and testing bearings. 1,945,294; Jan. 30.
- Pike, Robert D., Diablo, and J. Krill, San Francisco, assignors to Kalff Corporation, Emeryville, Calif. Welding. 1,964,647; June 26.
- Pike, Stanley I., Jackson Heights, assignor to Sponge Rubber Shoe Co., Inc., New York, N. Y. Footwear. 1,961,910; June 5.
- Pike, Theodore F., Minneapolis, assignor to Water Level Controls Company, St. Paul, Minn. Hydropneumatic control apparatus. 1,979,407; Nov. 6.
- Piker, Sidney, Hamilton, Ohio. Partitioned tray structure. 1,954,224; Apr. 10.
- Piker, Sidney, Cincinnati, Ohio. Mirror frame door. 1,954,225; Apr. 10.
- Pikul, Joseph, Troy, N. Y., assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,941,620; Jan. 2.
- Pikul, Joseph H. (See Dixon, W. L., and Pikul.)
- Pikul, Joseph H., assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,981,119; Nov. 20.
- Pilaar, Donald, assignor of one-half to B. R. King, Kalamazoo, Mich. Automatic transmission. 1,979,077; Oct. 30.
- Piland, Elisha F., Newport News, Va. Wall and floor stop. 1,947,954; Feb. 20.
- Pilates, Joseph H., New York, N. Y. Chair. 1,969,901; Aug. 14.
- Pilato, Salvatore, Brooklyn, N. Y. Holder. 1,952,937; Mar. 27.
- Pilato, Salvatore, Brooklyn, N. Y. Cleaning device. 1,984,154; Dec. 11.
- Pilblad, Eric J., Nassau County, N. Y., and E. Fetter, Baltimore, Md., assignors, by mesne assignments, to Gabriel Pneumatic Vulcanizer, Inc. Tire and tube repair unit. 1,983,705; Dec. 11.

- Pilcher, Charles F., St. Louis, Mo. Transmission means. 1,974,784; Sept. 25.
- Pilcher, John A., Roanoke, Va., assignor to Western Railway Equipment Company, St. Louis, Mo. Auxiliary lateral journal bearing. 1,941,486; Jan. 2.
- Pilcher, John A., Roanoke, Va., assignor to Western Railway Equipment Company, St. Louis, Mo. Lateral stops in a journal box. 1,967,512; July 24.
- Pilgrim, George J. M., Thornton Heath, Surrey, England, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,985,741; Dec. 25.
- Pilgrim, Maylech, New York, N. Y. Fountain paint brush. 1,981,067; Nov. 20.
- Piligian, Alexander, New York, N. Y. Clamp attachment for pressing machines. 1,954,948; Apr. 17.
- Pilkington Brothers Limited. (See Gaskell, Joseph, assignor.)
- Pilkington Brothers Limited. (See Griffin, James H., assignor.)
- Pilkington Brothers Limited. (See Waldron, Frederic B., assignor.)
- Pilla, Luciano E., New York, N. Y. Coat construction. 1,970,817; Aug. 21.
- Pilley, Frank, Kansas City, Mo., assignor, by mesne assignments, to Borden's Produce Company, Inc., New York, N. Y. Egg breaking machine. 1,945,788; Feb. 6.
- Pillman, Walter W., Richmond Heights, Mo. Spark plug. 1,946,809; Feb. 13.
- Pillsbury, Alfred F., executor, et al. (See Cullen, H. E., and Ronning, assignors.)
- Pilorz, Bruno, Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Food product. 1,944,265; Jan. 23.
- Pilot Radio Corporation. (See Thompson, S. T., and Streng, assignors.)
- Pinaud, Incorporated. (See Klotz, Francois V., assignor.)
- Pinaud, John A., Atlantic Highlands, N. J., assignor to H. W. Dix, New York, N. Y. Heel. 1,977,695; Oct. 23.
- Pincus, Jerome, Brooklyn and D. Goldstone, Bronx, assignors to General Burglar Alarm Co. Inc., New York, N. Y. Alarm device. 1,965,946; July 10.
- Pine, Isidore. (See Luthringshausen, H. A., and Pine.)
- Pine, William J., and N. L. Willer, assignors to Railway Utility Company, Chicago, Ill. Ventilator for cars. 1,955,088; Apr. 17.
- Pine, William J., and N. L. Willer, assignors to Railway Utility Company, Chicago, Ill. Ventilator for cars. 1,955,089; Apr. 17.
- Pines Winterfront Company. (See Horton, John I., assignor.)
- Pines Winterfront Company. (See Petersen, Edgar G., assignor.)
- Pink, Berry. (See Dunham, Charles L., assignor.)
- Pink, Clarence E., Cambridge, Md. Fabric. 1,947,957; Feb. 13.
- Pinkerton, David W., Eustis, Fla. Calendar. 1,949,328; Feb. 27.
- Pinkerton, Milan H., Marshalltown, Iowa. Gasoline stove and operating same. 1,984,494; Dec. 18.
- Pinoff, Friedrich M. O., London, England, assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Manufacturing waterproof crepe paper. 1,975,286; Oct. 2.
- Pinson, Newt A., St. Louis County, Mo. Pull clamp. 1,948,869; Feb. 27.
- Pinto, Joseph. (See Pinto, Vincent and J.)
- Pinto, Vincent and J., Philadelphia, Pa.; said V. Pinto assignor to said J. Pinto. Talking clock. 1,977,860; Oct. 23.
- Pintsch, Julius, Aktiengesellschaft. (See Jaedicke, Friedrich, assignor.)
- Pintsch, Julius, Aktiengesellschaft. (See Noack, Adolf, assignor.)
- Pioch, William F., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Radiator shield construction. 1,955,470; Apr. 17.
- Pioneer Butter Wrapping Machine Company. (See Ratliff, George D., assignor.)
- Pioneer Corporation. (See Colclasure, James O., assignor.)
- Pioneer Gravel Equipment Manufacturing Company. (See Gustafson, Carl A., assignor.)
- Pioneer Heat Regulator Corporation. (See Dicke, Oscar H., assignor.)
- Pioneer Instrument Company. (See Baughman, George W., assignor.)
- Pioneer Instrument Company. (See Carbonara, Victor E., assignor.)
- Pioneer Instrument Company. (See Colvin, Charles H., assignor.)
- Pioneer Instrument Company. (See Minorsky, Nicolai, assignor.)
- Pioneer Instrument Company. (See Simmons, John W., assignor.)
- Pioneer Instrument Company. (See Titterington, Morris M., assignor.)
- Pioneer Instrument Company. (See Urfer, Adolf, assignor.)
- Pioneer Instrument Company, Incorporated. (See Carbonara, Victor E., assignor.)
- Pioneer Suspender Company. (See Duffy, James T., jr., assignor.)
- Piotrowski, Walter. (See Zajac, Jozef, assignor.)
- Pipe Bakeries, Inc. (See Birkenhauer, Frederick W., assignor.)
- Pipe, John, assignor to Metal Office Furniture Company, Grand Rapids, Mich. Extension drawer slide. 1,981,246; Nov. 20.
- Piper, Eric G., New York, N. Y. Differential drive for centrifuges and scrapers. 1,962,461; June 12.
- Piper, Frank R., Fairfax, assignor to West Point Manufacturing Company, Langdale, Ala. Salvage tripping machine. 1,981,191; Nov. 20.
- Piper, Walter F., Oak Park, assignor to The Beardsley & Piper Company, Chicago, Ill. Apparatus for throwing granular material. 1,958,017; May 8.
- Pipes, Joseph E., and R. E. Whiting, Greggton, Tex., assignors to Southwest Cementing Corporation. Well cement mixer. 1,969,533; Aug. 7.
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,944,366; Jan. 23.
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,961,389; June 5.
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,967,131; July 17.
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Bonding tool. 1,967,132; July 17.
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Pothead. 1,978,867; Oct. 30.
- Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Colored or diffusing coating for incandescent lamps and similar articles. Re19,216; June 19.
- Piquerez, Emile, Paris, France, assignor to Tecalemit Limited, Brentford, England. Apparatus for testing the brakes of vehicles. 1,976,632; Oct. 9.
- Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,961,709; June 5.
- Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,971,939; Aug. 28.
- Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,971,940; Aug. 28.
- Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Electric discharge lamp device. 1,971,941; Aug. 28.
- Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,984,428; Dec. 18.
- Pirani, Marcello, Berlin-Wilmersdorf, M. Reger, Berlin, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,968,854; Aug. 7.
- Pirani, Marcello, Berlin-Wilmersdorf, M. Reger, Berlin, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Glass composition for electrical discharge devices. 1,969,277; Aug. 7.
- Pirani, Marcello, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,984,426; Dec. 18.
- Pirani, Marcello, Berlin-Wilmersdorf, and H. Ewest, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,984,427; Dec. 18.
- Pirani, Marcello, Berlin-Wilmersdorf, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 1,984,429; Dec. 18.
- Pirelli, S. I. (See Emanuel, Luigi, assignor.)
- Pirich, George. (See Dragovich, Damjan, assignor.)
- Pirich, George, Minneapolis, Minn. Weeding tool. 1,983,873; Dec. 11.
- Pirnie, Warren B., Greenfield, assignor to Montague Rod & Reel Company, Montague City, Mass. Fishing rod. 1,961,642; June 5.
- Piron, Joseph, Brussels, Belgium. Universal faceplate for machine tools. 1,961,528; June 5.
- Pirritano, Anthony J., Scranton, Pa. Thread cleaning device. 1,977,243; Oct. 16.
- Pirrone, Antonio L., assignor of three per cent to A. Dixon, three per cent to T. Dixon, three per cent to R. Dixon, four per cent to E. Sprumont, sr., and four per cent to E. Sprumont, jr., one per cent to F. Mento, jr., one per cent to C. Mento, and one per cent to T. Pollino, New Kensington, Pa. Smoking pipe. 1,961,983; June 5.
- Pirsch, Peter, and Sons Co. (See Lundskow, Henry P., assignor.)
- Pirtle, Horace C., and L. H. Joslin, St. Petersburg, Fla. Crutch head. 1,957,473; May 8.
- Pisacano, Albert, New York, N. Y. Window shield wiper. 1,942,184; Jan. 2.
- Piscetta, Frederic, assignor to J. Sogni, Vincennes, France. Cooling device. 1,977,526; Oct. 16.
- Pisculli, Ferdinand M., Yonkers, N. Y. Spoon. 1,984,081; Dec. 11.
- Pistocco, Vendope L., Fort Worth, assignor to Screen Advertising, Inc., Dallas, Tex. Producing characters. 1,951,947; Mar. 20.
- Pistocco, Vendope L., Fort Worth, assignor to Screen Advertising, Inc., Dallas, Tex. Apparatus for producing display characters. 1,958,766; May 15.
- Pistocco, Vendope L., Fort Worth, assignor to Screen Advertising, Inc., Dallas, Tex. Plastic composition. 1,973,964; Sept. 18.
- Pistorius, Conrad. (See Nelson, William L., assignor.)
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having sustaining rotors. 1,958,444; May 15.

- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having rotatable sustaining means. 1,959,444; May 22.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Mounting structure for aircraft sustaining rotors. 1,971,017; Aug. 21.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft having pivotally and rotatively mounted sustaining blades. 1,977,834; Oct. 23.
- Pitcher, Harold W. (See Plenzig, W., and Pitcher.)
- Pitkin, Lucius, Inc. (See Tour, Sam, assignor.)
- Pitman, Henry L., Westfield, N. J., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,943,548; Jan. 16.
- Pitman, Henry L., Westfield, N. J., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,955,606; Apr. 17.
- Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Machine to make type shuttles for typewriting machines. 1,970,706; Aug. 21.
- Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Printing instrumentalities for typewriting machines. 1,974,318; Sept. 18.
- Pitman, Herman B., assignor of one-half to S. Silk, St. Louis, Mo. Transferring impressions of finger prints. 1,951,203; Mar. 13.
- Pitney-Bowes Postage Meter Co. (See Wheeler, W. H., Jr., Ogden, and Roman, assignors.)
- Pitre, Elfer. (See Pitre, John and E.)
- Pitre, John and E., Thibodaux, La. Animal trap. 1,960,122; May 22.
- Pitt, Robert B., assignor to Stothert & Pitt, Limited, Newark Works, Bath, England. Rotary pump. 1,964,330; June 26.
- Pittenger, Paul S. (See Newhall, T., and Pittenger.)
- Pitter Trust, The. (See Pitter, Walter C., assignor.)
- Pitter, Walter C., Epping, England. Flying machine. 1,963,528; June 19.
- Pitter, Walter C., Epping, England, assignor to The Pitter Trust, Chicago, Ill. Variable speed transmission. 1,945,702; Feb. 6.
- Pittman, Ralph R., Pine Bluff, Ark. Overcurrent protective device. 1,972,357; Sept. 4.
- Pittman, Ralph R., Pine Bluff, Ark. Protective system for electrical circuits. 1,983,188; Dec. 4.
- Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Arc suppressing air-break switch. 1,963,418; June 19.
- Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Circuit controlling device. 1,963,760; June 19.
- Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Multiple fuse disconnecting switch. 1,965,391; July 3.
- Pittoni, Louis E., Jamaica, assignor to The Rome Company, Inc., Rome, N. Y. Machine for sewing mattress covers. 1,947,058; Feb. 13.
- Pitts, George B. (See Cochrane, H. B., and Sprinchorn, assignors.)
- Pitts, Harold, Spokane, Wash. Airplane. 1,948,629; Feb. 27.
- Pittsburgh Crucible Steel Company. (See Fern, John F., assignor.)
- Pittsburgh Des Moines Steel Company. (See Lunt, G. R., and Feght, assignors.)
- Pittsburgh Equitable Meter Company. (See Linderman, Garrett B., Jr., assignor.)
- Pittsburgh Equitable Meter Company. (See MacLean, Allen D., assignor.)
- Pittsburgh Equitable Meter Company. (See Parker, W. H., Seibert, and MacLean, assignors.)
- Pittsburgh Equitable Meter Company. (See Weymouth, Harry G., assignor.)
- Pittsburgh Equitable Meter Company. (See Woolfenden, Frank J., assignor.)
- Pittsburgh Machine Tool Co. (See Curtis, Frank J., assignor.)
- Pittsburgh Pipe & Coupling Company. (See Lamond, John, assignor.)
- Pittsburgh Plate Glass Company. (See Black, Lloyd V., assignor.)
- Pittsburgh Plate Glass Company. (See Boggs, David H., assignor.)
- Pittsburgh Plate Glass Company. (See Boggs, D. H., and Hefner, assignors.)
- Pittsburgh Plate Glass Company. (See Brown, Christopher, assignor.)
- Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
- Pittsburgh Plate Glass Company. (See Gelstharp, Frederick, assignor.)
- Pittsburgh Plate Glass Company. (See Gelstharp, F., and Morris, assignors.)
- Pittsburgh Plate Glass Company. (See Gregorius, Joseph S., assignor.)
- Pittsburgh Plate Glass Company. (See Halbach, Howard L., assignor.)
- Pittsburgh Plate Glass Company. (See Helchert, Herman S., assignor.)
- Pittsburgh Plate Glass Company. (See Hitner, Harry F., assignor.)
- Pittsburgh Plate Glass Company. (See Koupal, Walter G., assignor.)
- Pittsburgh Plate Glass Company. (See Linder, Cyril S., assignor.)
- Pittsburgh Plate Glass Company. (See Miksch, Arthur W., assignor.)
- Pittsburgh Plate Glass Company. (See Miller, Robert A., assignor.)
- Pittsburgh Plate Glass Company. (See Oliver, James G., assignor.)
- Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
- Pittsburgh Plate Glass Company. (See Parkinson, Joseph C., assignor.)
- Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)
- Pittsburgh Plate Glass Company. (See West, George L., assignor.)
- Pittsburgh Plate Glass Company. (See Wilhelm, F. V., and Gregorius, assignors.)
- Pittsburgh Plate Glass Company, Columbia Chemical Division. (See Zepp, Levisne M., assignor.)
- Pittsburgh Research Corporation. (See Moore, William B., assignor.)
- Pittsburgh Research Corporation. (See Simpson, George L., assignor.)
- Pittsburgh Screw and Bolt Corporation. (See Kaufman, Charles, assignor.)
- Pittsburgh Screw & Bolt Corporation. (See McKee, James H., assignor.)
- Pittsburgh Steel Company. (See Benedict, Edward L., assignor.)
- Pittsburgh Steel Company. (See Edge, Walter S., assignor.)
- Pittsburgh Steel Company. (See Prottn, Edward J., assignor.)
- Pittsburgh Steel Company. (See Shaffer, William H., Jr., assignor.)
- Pittsburgh Steel Foundry Corporation. (See de Fries, Walter, assignor.)
- Pittsburgh Tag Company. (See Magidson, Frank, assignor.)
- Pittsburgh Taximeter Company. (See Hennig, Fred, assignor.)
- Pittsburgh Valve, Foundry, and Construction Company. (See Melcher, John P., and Cappe, assignors.)
- Pitzer, Edgar C., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Removing impurities from metallurgical solutions. 1,979,229; Oct. 30.
- Pixley, Milton A., Columbus, Ohio. Closure. 1,983,098; Dec. 4.
- Pizza, Toby, assignor of one-half to G. Gilles, Toledo, Ohio. Leather cutting machine. 1,964,674; June 26.
- Pizzini, Frank, and E. W. Glenney, San Antonio, Tex. Machine for making food products. 1,955,342; Apr. 17.
- Pizzuto, Nicolas, San Luis Potosi, Mexico. Impeller and shaft therefor for use in centrifugal and turbine pumps. 1,947,658; Feb. 20.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing trim panel. 1,942,119; Jan. 2.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Mounting for vehicle doors and the like. 1,949,581; Mar. 6.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Attaching fasteners to panels and the like. 1,958,678; May 15.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Attaching metal trim to building structures. 1,964,331; June 26.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing trim panels or the like. 1,968,168; July 31.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Gripping tack. 1,970,335; Aug. 14.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 1,976,889; Oct. 16.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing fasteners to upholstered trim panels. 1,982,232; Nov. 27.
- Place, Charles E. S., Jersey City, and M. Van Winkle, Jr., Leonia, N. J. Cap screw or bolt. 1,966,044; July 10.
- Place, Fred E., Peekskill, N. Y. Eyeshade. 1,943,277; Jan. 9.
- Place, Josiah W., West Orange, N. J., and E. Aschenbach, assignors to United States Gauge Company, Sellersville, Pa. Differential gauge. 1,954,425; Apr. 10.
- Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Radio receiving apparatus. 1,954,059; Apr. 10.
- Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Radio receiving apparatus. 1,959,062; May 15.
- Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Radio receiving apparatus. 1,959,063; May 15.
- Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric signaling system. 1,975,371; Oct. 2.
- Placide, Henry, Baltimore, Md. Nozzle. 1,968,348; July 31.
- Placke, Clem., West Covington, Ky. Circuit closer. 1,964,212; June 26.
- Plainevaux, Pierre, and J. Antoine, Brussels, Belgium. Obtaining an autoclave closure for vessels of all kinds. 1,963,675; June 19.
- Plastowe, Donald L. (See Dowsett, H. M., and Plastowe.)

- Planche, Benjamin R., Villefranche-sur-Saone, France. Automatic starting rheostat for electric motors. 1,966,804; July 17.
- Planskoy, Leonti, assignor to Societe A. R. L. Metra, Paris, France. Production of composite motion pictures. 1,959,498; May 22.
- Plant, Leland G. (See Hawe, J. E., and Plant.)
- Plant, Leland G., Chicago, Ill. Gate valve seat surfacing machinery. 1,980,928; Nov. 13.
- Plant Rubber & Asbestos Works. (See Rosener, Leland S., assignor.)
- Plant Rubber & Asbestos Works. (See Smith, Jay M., assignor.)
- Planters Manufacturing Co. (See Hargroves, Willis W., assignor.)
- Plants, James F., Evanston, Ill. Timing device for brushing operations. 1,973,390; Sept. 11.
- Plasters, James R., Kansas City, Mo. Fish stringer. 1,975,864; Oct. 9.
- Plastic-Craft Novelty Company. (See Oulton, Charles B., assignor.)
- Plastic Products Engineering Corporation. (See Rahm, Walter E., assignor.)
- Plastic Products, Inc. (See Randall, George M., assignor.)
- Plastino, Rubino, New York, N. Y. Course indicating and signaling apparatus. 1,947,018; Feb. 13.
- Plastix Corporation. (See Meigs, Joseph V., assignor.)
- Platen-Munters Refrigerating System Aktiebolag. (See Munters, C. G., and Bäckström, assignors.)
- Plato, Gerhardt, Chicago, Ill. Rotary motor. 1,968,537; July 31.
- Platt, Arthur I., Fairfield, Conn. Service holder for milk bottles. 1,960,507; May 29.
- Platt Brothers and Company Limited. (See Wilkinson, Henry, assignor.)
- Platt, David, New York, N. Y. Ensemble dress. Des. 92,315; May 22.
- Platt, Herbert. (See Dreyfus, C., and Platt.)
- Platt, Leland H., Los Angeles, assignor to C. B. Parker, Riverside, Calif. Machine for applying covers to crates. 1,976,033; Oct. 9.
- Platt, Max. (See Sylvester, Louis F., assignor.)
- Platt, Robert L., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,950,153; Mar. 6.
- Platt, Stephen A. (See Bennett, J. L., and Platt.)
- Platte, John F., South Gate, Calif. Awning. 1,984,807; Dec. 18.
- Platte, Kurt, Berlin-Steglitz, assignor to Vereinigte Eisenbahn-Signalwerke, Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Apparatus for counting the axles of a train. 1,976,369; Oct. 9.
- Platts, Harlow C., Boulder, Colo. Tool. 1,967,479; July 24.
- Platts, Thomas H. (See Dickie, W. A., Latham, and Platts.)
- Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Welding apparatus. 1,954,426; Apr. 10.
- Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Welding apparatus. 1,954,427; Apr. 10.
- Platz, Karl. (See Steindorff, A., Daimler, and Platz.)
- Platzer, George E., Schenectady, N. Y., assignor to General Electric Company. Moisture indicating device. 1,961,012; May 29.
- Platzer, George E., Schenectady, N. Y., assignor to General Electric Company. Automotive vehicle test equipment. 1,964,532; June 26.
- Platzer, Josef, Landeck, Austria. Variable speed gear. 1,976,090; Oct. 9.
- Plaucias, Alexander, assignor to The Western Union Telegraph Company, New York, N. Y. Distributing center. 1,950,812; Mar. 13.
- Plauson, Hermann, Hamburg, Germany, assignor to F. W. Attack, Kingston, Ontario, Canada. Preparation of emulsions for treating and preparing road surfaces. 1,949,876; Mar. 6.
- Player, Edward, Gibbet Hill, Kenilworth, England, assignor, by mesne assignments, to Magnesium Development Corporation. Preparing sand molds. 1,968,958; Aug. 7.
- Playford, Sterling T., Forest Park, Ill. Stave structure for bins and the like. 1,958,799; May 15.
- Ple, Andre. (See Amann, P., and Ple.)
- Plé, Edmond, P., and M., Paris, France. Apparatus for the handling of shoes mounted upon lasts. 1,962,970; June 12.
- Plé, Marcel. (See Plé, Edmond, P., and M.)
- Plé, Pierre. (See Plé, Edmond, P., and M.)
- Plebsanski, Jozef, Warsaw, Poland. High frequency transmission. 1,958,954; May 15.
- Plechl, Otto, Pfaffstatten, near Vienna, Austria, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Supervisory illuminated control diagram. 1,949,110; Feb. 27.
- Plechl, Otto, Pfaffstatten, near Vienna, Austria, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. System for regulating load interchange. 1,984,940; Dec. 18.
- Pleister, Henry W., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Spring toggle. 1,956,623; May 1.
- Pleister, Henry W., Westfield, and J. Karitzky, assignors to Henry B. Newhall Corporation, Garwood, N. J. Bolt anchor. 1,972,715; Sept. 4.
- Plening, Frederic D. and H., jr., assignors to The Fred D. Pfening Company, Columbus, Ohio. Mixing valve. 1,984,595; Dec. 18.
- Plenzig, William, and H. W. Pitcher, Poughkeepsie, N. Y. Back rest for seats. 1,977,205; Oct. 16.
- Plew, Herman, St. Louis, Mo. Refrigerated truck. 1,969,151; Aug. 7.
- Plibrico Jointless Firebrick Company. (See Anderson, John E., assignor.)
- Plibrico Jointless Firebrick Company. (See Anderson, J. E., and Dunlap, assignors.)
- Plies, Heinrich, assignor to Ernst Leitz, Optische Werke, G. m. b. H., Wetzlar, Germany. Holder for microscopes. 1,941,753; Jan. 2.
- Plint, Joseph. (See Gorton, W. S., Plint, and Nyberg.)
- Plochman, Carl M., et al. (See Plochman, Carl M., assignor.)
- Plochman, Carl M., Evanston, assignor to Plochman & Harrison, Chicago, Ill. Bottle or similar article. Des. 91,787; Mar. 20.
- Plochman, Carl M., Evanston, assignor to C. M. and M. W. Plochman, and B. H. and A. J. Harrison, copartners doing business at Chicago, Ill., under the name Plochman & Harrison. Bottle or the like. Des. 91,900; Apr. 3.
- Plochman & Harrison. (See Plochman, Carl M., assignor.)
- Plochman, Margaret W., et al. (See Plochman, Carl M., assignor.)
- Ploeger, Clyde E. (See Kuenzli, W. A., and Ploeger.)
- Ploeger, Clyde E. (See Peltier, F. D., and Ploeger.)
- Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Expansion valve. 1,971,695; Aug. 28.
- Ploeger, Clyde E., and F. D. Peltier, Evansville, Ind., assignors to Servel Inc., New York, N. Y. Refrigeration. 1,968,909; Aug. 7.
- Plotkin, Joseph H., assignor to The Gladstone Case Mfg. Co., Chicago, Ill. Article of luggage. 1,967,160; July 17.
- Plotkin, Oscar H., assignor to S. Dresner & Son, Inc., Chicago, Ill. Luggage. 1,984,698; Dec. 18.
- Plumb, Ermin F. (See Ogden, Dana P., assignor.)
- Plumb, Frederic W., assignor to The Narrow Fabric Co., West Reading, Pa. Stop actuating mechanism for braiding machines. 1,964,481; June 26.
- Plumley, Raymond L., Brooklyn, assignor to Frederick Osann Company, New York, N. Y. Lubricating means for sewing machines. 1,950,514; Mar. 13.
- Plummer, Clarence H., Kewaunee, Wis. Pea vining and threshing process and apparatus. 1,979,078; Oct. 30.
- Plummer, Lloyd W., Bloomington, Ill. Display case. 1,956,226; Apr. 24.
- Plummer, Lloyd W., Bloomington, Ill. Sample case. 1,956,227; Apr. 24.
- Plummer, Sidney G., Oakland, Calif. Universal pipe joint. 1,946,110; Feb. 6.
- Plummer, Sidney G., Oakland, Calif. Duplicating punch press apparatus. 1,967,626; July 24.
- Plummer, Sidney G., Oakland, Calif. Dredger pipe valve. 1,973,929; Sept. 18.
- Plummer, William B., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion process. 1,941,577; Jan. 2.
- Plummer, William B., assignor to Standard Oil Company, Chicago, Ill. Hydrogenation system. 1,942,120; Jan. 2.
- Plummer, William B., assignor to Standard Oil Company, Chicago, Ill. Polymerization of olefinic gases. 1,947,306; Feb. 13.
- Plummer, William B., Jackson Heights, assignor to Combustion Utilities Corporation, New York, N. Y. Gas generator for pulverized fuel. 1,953,312; Apr. 3.
- Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Producing absorbent or resilient felt. 1,947,103; Feb. 13.
- Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Fibrous felting or felted paper product and making same. 1,947,104; Feb. 13.
- Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Producing absorbent or resilient felt. 1,947,105; Feb. 13.
- Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Producing absorbent or resilient felt. 1,947,106; Feb. 13.
- Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Producing absorbent or resilient felt. 1,947,107; Feb. 13.
- Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Producing absorbent or resilient felt. 1,947,108; Feb. 13.
- Punkett, John H., Beverly Hills, Calif., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Wall structure and liner therefor. 1,972,951; Sept. 11.
- Punkett, William R., San Diego, Calif. Display device. 1,974,690; Sept. 25.
- Pym, Francis J., assignor to The Kawneer Company, Niles, Mich. Door construction. 1,959,597; May 22.
- Pym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,959,643; May 22.
- Pym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,960,920; May 29.

- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,981,193; Nov. 20.
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,984,495; Dec. 18.
- Plym, Francis J., and I. G. Barclay, assignors to The Kawneer Company, Niles, Mich. Window construction. 1,981,192; Nov. 20.
- Plymouth Cordage Company. (See Damon, John H., assignor.)
- Plymouth Rubber Company, Inc. (See Laybolt, Harry, assignor.)
- Pneumatic Rubber Heel Corporation. (See Griffith, George W., assignor.)
- Pneumatic Scale Corporation Limited. (See Howard, S. R., and Everett, assignors.)
- Pneumatic Scale Corporation, Ltd. (See Mudd, Garrett W., assignor.)
- Pneumatic Scale Corporation Limited. (See Newey, William H., assignor.)
- Pneumatic Scale Corporation, Limited. (See Yates, John, assignor.)
- Pneumatic Tube Supply Co. of Delaware. (See Needham, John T., assignor.)
- Pneumercator Company. (See Thomas, William, assignor.)
- Pobjoy, Douglas R., Hooton, Wirral, England. Joint or attachment of parts in engines and the like. 1,951,948; Mar. 20.
- Pocher, Waldemar. (See Masing, G., and Pocher.)
- Pochin, Horace S., Leicester, England. Treatment of leather or like material. 1,948,994; Feb. 27.
- Pocock, Lyndall C., C. B. V. Neilson, and R. Blackburn, Aldwyche, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone transmitter. 1,952,889; Mar. 27.
- Podbielniak, Walter J., Tulsa, Okla. Distillation control device. 1,967,258; July 24.
- Podbielski, Boleslaw, Norristown, Pa. Family altar. Des. 93,572; Oct. 9.
- Podel, Abraham, Bronx, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealing machine. 1,945,954; Feb. 6.
- Podel, Abraham, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Cap feeding machine. 1,964,078; June 26.
- Podmore, Arthur, London, England, assignor to American Machine & Foundry Company, New York, N. Y. Manufacture of cigarettes. 1,977,998; Oct. 23.
- Podosin, John, assignor to C. J. Anderson & Company, Chicago, Ill. Elevator control system. 1,977,918; Oct. 23.
- Poe, Charley A., Long Beach, Calif. Magnetic brake for railways. 1,960,595; May 29.
- Poe, Edgar A. (See Marinar, James W., assignor.)
- Poe, Edgar A., St. Joseph, Mo. Hog bleeding and defibrating apparatus. 1,963,097; June 19.
- Poeggel, Erich, Remscheid, Germany. Grinding and polishing device. 1,948,128; Feb. 20.
- Poeggel, Erich, Remscheid, Germany. Cutting, setting, and sharpening saw. 1,968,352; July 31.
- Poepplmeier, Frank H., Dayton, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio. Type holder. 1,958,445; May 15.
- Poepplmeier, Frank H., Dayton, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio. Mounting for flexible typeholding chases. 1,972,104; Sept. 4.
- Poepplmeier, Frank H., Dayton, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio. Drum for holding flexible typeholding chases. 1,972,105; Sept. 4.
- Poepplmeier, Frank H., Dayton, assignor, by mesne assignments, to Set-O-Type Manufacturing Company, Cleveland, Ohio. Type-setting machine. 1,975,799; Oct. 9.
- Poepplmeier, Frank H., Euclid, assignor to Set-O-Type Manufacturing Company, Cleveland, Ohio. Typeholding chase. 1,972,106; Sept. 4.
- Poeter, E., & Co. (See Poeter, Edward, assignor.)
- Poeter, Edward, assignor to E. Poeter & Co., Irvington, N. J. Fastening device. 1,947,490; Feb. 20.
- Poeter, Edward, assignor to E. Poeter & Co., Irvington, N. J. Hand bag frame. 1,948,393; Feb. 20.
- Poeton, Lawrence, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,952,890; Mar. 27.
- Poetsch, William C., Chicago, Ill. Table with adjustable rack. 1,976,034; Oct. 9.
- Poganitz, Joseph. (See Poganitz, Stefan and J.)
- Poganitz, Stefan and J., Camden, N. J. Machine for holding sliced bread while being wrapped. 1,951,440; Mar. 20.
- Poggendorf, William H., Rochester, N. Y. Chair. 1,984,281; Dec. 11.
- Poglein, Louis, assignor to McKee Glass Company, Jeanette, Pa. Mold for glassware. 1,969,577; Aug. 7.
- Pohl, Edward. (See Pohl, Hans and E.)
- Pohl, Edward, assignor to S. Pohl, Great Neck, N. Y. Manufacture of sulphonated oils. 1,955,766; Apr. 24.
- Pohl, Ernest F., assignor to Automatic Fire Extinguisher and Alarm Corporation, St. Louis, Mo. Combined automatic fire extinguisher and alarm. 1,962,695; June 12.
- Pohl, Franz, Ludwigshafen-on-the-Rhine, and B. Isenbeck, Frankfurt-on-the-Main-Schwanheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing heavy metal and alkali-earth metal salts of naphthenic acids. 1,974,507; Sept. 25.
- Pohl, Hans, Burgbrohl, and E. Pohl, Rhondorf; said H. Pohl assignor to firm Stein- und Thonindustrie-gesellschaft "Brohlthal", Burgbrohl, Germany. Heat accumulator. 1,951,579; Mar. 20.
- Pohl, Hans, Bad Tonnstein, and A. Schack, Dusseldorf, Germany. Checkerwork for multizone regenerators. 1,964,830; July 3.
- Pohl, Hans E. K., River Forest, assignor to Crane Co., Chicago, Ill. Inverted float steam trap. 1,972,244; Sept. 4.
- Pohl, Selma. (See Pohl, Edward, assignor.)
- Pohl, Theodor, Frankfurt-on-the-Main, and J. Schneider, Oberursel, Germany. Producing grinding bodies. 1,944,807; Jan. 23.
- Pohl, Walter, Bruchhausen, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of acetone from acetylene. 1,953,499; Apr. 3.
- Pohle, Hermann, Stamford, Conn. Four color fountain pen. 1,977,527; Oct. 16.
- Pohlig, J., Akt.-Ges. (See Jellinghaus, Karl, assignor.)
- Poillon, Howard A., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 1,981,754; Nov. 20.
- Pointon, John E. (See Harber, L. S., and Pointon.)
- Pointon, John E., Peterborough, assignor to Baker Perkins, Limited, London, England. Washing machine. 1,945,442; Jan. 30.
- Pointon, John E., and W. H. Beanes, Westwood Works, Peterborough, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Baking oven. 1,942,974; Jan. 9.
- Pointon, John E., and L. S. Harber, Westwood Works, Peterborough, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Mold actuating mechanism. 1,948,870; Feb. 27.
- Pointon, John E., and L. S. Harber, Westwood Works, Peterborough, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Dough molding machine. 1,970,336; Aug. 14.
- Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)
- Poix, G. M., Inc. (See Yerkes, Gabrielle M. P., assignor.)
- Pokora, Charles, Milwaukee, Wis. Thread moistening device. 1,949,620; Mar. 6.
- Pokora, Charles J., Milwaukee, Wis. Safety attachment for pockets. 1,983,991; Dec. 11.
- Pokorny, Ernst, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Obtaining heavy-metal beryllium alloys. 1,949,082; Feb. 27.
- Pokorny, Ernst, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Recovery of molybdenum. 1,952,459; Mar. 27.
- Pokorny, Ernst, Leipzig, and K. Schneider, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing heavy-metal-beryllium alloys. 1,945,565; Feb. 6.
- Pokorny, Ernst, Leipzig, and H. Seliger, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of ferrobore. 1,964,139; June 26.
- Pol, John B., La Porte, Ind. Gang lawn mower. 1,961,710; June 5.
- Polan, Katz & Company. (See Fox, William L., assignor.)
- Polanco, James. (See Linero, Roberto E., assignor.)
- Polatty, Charles M., Greenwood, S. C. Advertising device. 1,975,287; Oct. 2.
- Poleck, Hans, Berlin-Lichterfelde, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Line protecting device. 1,978,224; Oct. 23.
- Polgar, William, New York, N. Y. Plant pot and support. 1,942,975; Jan. 9.
- Polgov, Nicholas G. (See Alsaker, A., and Polgov.)
- Polhemus, Russell E., New York, N. Y. Medical case. 1,983,491; Dec. 4.
- Poll, Frank, Millbrae, Calif. Noiseless electric switch. 1,949,694; Mar. 6.
- Poliakoff, Samuel, Brooklyn, N. Y., assignor to Canal Storage Company, Inc. Brick lifter. 1,974,891; Sept. 25.
- Poliakoff, Samuel, Brooklyn, N. Y., assignor to Canal Storage Company, Inc. Brick lifter. 1,974,892; Sept. 25.
- Police, Edward, Chicago, Ill. Fluid motor for windshield wipers. 1,953,262; Apr. 3.
- Polikoff, Jack, and G. Longo, Brooklyn, N. Y. Sewing machine guide. 1,954,746; Apr. 10.
- Polister, Edward B., assignor to Busch-Sulzer Bros. Diesel Engine Company, St. Louis, Mo. Two-cycle engine scavenging and charging. 1,979,770; Nov. 6.
- Polk, Henry H., Jr., Des Moines, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. Re19,167; May 15.
- Polk, Isaac H., Monrovia, assignor, by mesne assignments, to Sunset Packing Corporation, Los Angeles, Calif. Preserving fresh fruit juices in their natural state. 1,980,695; Nov. 13.
- Pollack, Daniel. (See Kasdan, N., and Pollack.)
- Pollack, Lazarus W. (See Lorenz, W., and Pollack.)

- Pollak, Fritz, Vienna, Austria, assignor, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Production of resin-like condensation products. 1,950,746; Mar. 13.
- Pollak, Monroe M., Waterbury, Conn. Card holding device. 1,967,780; July 24.
- Pollak Steel Company, The. (See Paque, Edward J., assignor.)
- Pollard, Jessie, assignor of one-half to S. C. Lamothe, Monroe, La. Air jack. 1,957,151; May 1.
- Pollard, Joseph F., and E. Trask, Newburyport, Mass. Shoe heel. 1,964,767; July 3.
- Pollenz, Leopold. (See Langer, Robert, assignor.)
- Polleys, Herbert R., New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I. Latex flowing machine. 1,980,226; Nov. 13.
- Pollino, Tony, et al. (See Pirrone, Antonio L., assignor.)
- Polister, Edward B., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Scavenging and charging of two-cycle engines. 1,978,816; Oct. 30.
- Pollock, Arthur R., Piqua, assignor to The Toledo Bottle Cap Co., Toledo, Ohio. Bottle cap. 1,972,358; Sept. 4.
- Pollock, Arthur R., assignor to The Toledo Bottle Cap Company, Toledo, Ohio. Machine for coating articles with paraffin or the like. 1,985,644; Dec. 25.
- Pollock, Arthur W. (See Roth, R., Pollock, Johnson, and Rithamer.)
- Pollock, Gordon B., Los Angeles, Calif. Pressure plate for film movement mechanism. 1,966,683; July 17.
- Pollock, Gordon B., Los Angeles, Calif. Film guide and registration system for motion picture machines. 1,966,684; July 17.
- Pollock, Leo, New York, N. Y. Decorative article. 1,981,663; Nov. 20.
- Pollock, Leopold, New York, N. Y. Combined Christmas tree lighting set and case therefor or similar article. Des. 94,047; Dec. 11.
- Pollock, Leopold, New York, N. Y. Check protecting device. 1,981,662; Nov. 20.
- Pollock, Mary B., London, England. Figure toy. 1,974,366; Sept. 18.
- Pollock, Max, et al. (See Bednash, John H., assignor.)
- Pollock, Max. (See Friedman, H. L., and Pollock.)
- Pollock, Ralph C. (See Bray, U. B., Pollock, and Merrill.)
- Pollock, Samuel A., London, England. Electric storage cell. 1,966,644; July 17.
- Pollock, Samuel A., London, England. Nitrating cellulose. 1,982,122; Nov. 27.
- Pollock, William B., Company, The. (See de Fries, Walter, assignor.)
- Poloris Company, Inc. (See Tychsen, Henry P., assignor.)
- Polksi, Roman F., St. Paul, Minn. Ironing board. 1,971,503; Aug. 28.
- Polydoroff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Variable inductance device. 1,978,599; Oct. 30.
- Polydoroff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Permeability-tuned resonant circuit. 1,978,600; Oct. 30.
- Polydoroff, Wladimir J., assignor to Johnson Laboratories, Incorporated, Chicago, Ill. Magnetic core material. 1,982,689; Dec. 4.
- Polydoroff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Selective radio circuit. 1,982,690; Dec. 4.
- Polymeros, George N., Carroll, Iowa. Tobacco article holder. 1,976,890; Oct. 16.
- Polyphonwerke Aktiengesellschaft, et al. (See Frank, Fritz, assignor, et al.)
- Polysius, G., Aktiengesellschaft. (See Goebels, Paul, assignor.)
- Polysius, G., Aktiengesellschaft. (See Hasslbach, Alexander, assignor.)
- Polysius, G., Aktiengesellschaft. (See Ihlefeldt, Johannes, assignor.)
- Polzer, Fridolin, South Norwalk, Conn. Plier type stapling machine. 1,983,397; Dec. 4.
- Polzer, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple setting machine. 1,962,874; June 12.
- Polzer, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 1,983,398; Dec. 4.
- Polzer, Fridolin, South Norwalk, and R. E. Peterson, East Norwalk, assignors to The E. H. Hotchkiss Company, Norwalk, Conn. Anvil for stapling machines. 1,967,064; July 17.
- Pomeranz, Jacob J. (See Tanasso, V., and Pomeranz.)
- Pomeroy, David Ruben, Amherst, Mass. Stable cleaning conveyer. 1,958,955; May 15.
- Pomeroy, Laurence H., assignor to The Daimler Company Limited, Coventry, England. Power transmission mechanism. 1,975,700; Oct. 2.
- Pomeroy, Roy J., Los Angeles, Calif. System for correcting sound records. 1,956,081; Apr. 24.
- Pomieranice, Israel, London, England. Planting machine. 1,963,591; June 19.
- Pomilio, Alessandro. (See Pomilio, Umberto, assignor.)
- Pomilio, Umberto, Naples, assignor to A. Pomilio, Francavilla al Mare, Italy. Continuous treatment of vegetables with soda and gaseous chloride for the industrial production of cellulose. 1,970,148; Aug. 14.
- Pompeian Olive Oil Corporation. (See Pelton, Louis A., assignor.)
- Pond, Dwight W., assignor to National Engineering Corporation, Terryville, Conn. Making bushings for electric conduits. 1,977,861; Oct. 23.
- Pond, Frank M., Houston, Tex. Machine for picking cotton. 1,944,998; Jan. 30.
- Pond, Kenneth H., Springfield, Mass., assignor to F. W. Anderson, Columbus, Ohio. Ink dispensing apparatus. 1,960,549; May 29.
- Pond, Leander N., Corning, N. Y., assignor to N. V. Maatschappij tot Beheer en Exploitatie van Octrooien, The Hague, Netherlands. Take-off roll for glass tubing and cane. 1,951,993; Mar. 20.
- Ponndorf, Wilhelm, Cassel-Bettenhausen, assignor to F. von Baumbach, Siebertshausen, Treysa-Land, Cassel, Germany. Drying plant for moist substances. 1,959,304; May 15.
- Ponsonby, Amos A., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,947,059; Feb. 13.
- Ponsonby, Amos A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 1,976,512; Oct. 9.
- Ponte, Maurice, assignor to La Radiotechnique, Paris, France. Electronic discharge tube. 1,967,513; July 24.
- Ponte, Maurice, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Glow discharge. 1,983,638; Dec. 11.
- Ponti, Arthur J., Los Angeles, Calif. Rotary well drilling rig. 1,957,504; May 8.
- Ponticos, Stephen E., Norwood, Ohio. Electric refrigerator. Des. 93,129; Aug. 21.
- Ponting, Herbert G., Oxford Circus, London, and G. W. Ford, Kensington, London, England, assignors to Kinatone Patents Corporation. Film handling apparatus. 1,944,032; Jan. 16.
- Ponton, Fortunat, assignor to Vaughan Company, Chicago, Ill. Meat and bone cutting machine. 1,967,724; July 24.
- Pontoppidan, Carl, Holte, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Hydraulic cement. 1,966,419; July 10.
- Pontoppidan, Carl, Holte, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Manufacture of hydraulic cement and the like. 1,977,405; Oct. 16.
- Pontzen, Herbert, Heilbronn-Neckar, Germany, assignor to American Lurgi Corporation, New York, N. Y. Melting furnace. 1,970,186; Aug. 14.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile machinery. 1,949,621; Mar. 6.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Loom having stationary weft supplies. 1,958,495; May 15.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Shuttleless loom. 1,963,098; June 19.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Loom in which weft is fed from a stationary supply. 1,964,079; June 26.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Loom with stationary weft supplies. 1,965,084; July 3.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile machinery. 1,966,935; July 17.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile apparatus. 1,973,775; Sept. 18.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile apparatus. 1,973,776; Sept. 18.
- Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Time-instrument resetting-mechanism. 1,960,508; May 29.
- Poole, Arthur F., assignor to Poole Manufacturing Co., Inc., Ithaca, N. Y. Clock. 1,945,069; Jan. 30.
- Poole, Donald C. E. (See Wilson, J. H., and Poole.)
- Poole Engineering and Machine Company. (See Morgan, Merton W., assignor.)
- Poole, Jesse V., Abington, assignor to Puritan Manufacturing Company, Boston, Mass. Curved needle chain stitch sewing machine. 1,955,974; Apr. 24.
- Poole, John C., Valdosta, Ga. Ventilator. 1,949,877; Mar. 6.
- Poole, John W., Jaffrey, N. H. Fractionating mixtures of hydrocarbons and their derivatives. 1,965,392; July 3.
- Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Facing apparatus. 1,947,659; Feb. 20.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Reaming machine. 1,970,018; Aug. 14.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Commutator testing apparatus. 1,971,426; Aug. 28.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Distributor rotor assembling device. 1,983,808; Dec. 11.
- Poole Manufacturing Co. (See Poole, Arthur F., assignor.)
- Poole, Ralph T., Ridgefield Park, N. J., assignor to Spinach Products Company, Inc. Drying apparatus and method. 1,968,910; Aug. 7.
- Poole, Trew F. (See Roth, William A. and H. J.)

- Pooler, Louis G., assignor to Communication Patents, Inc., New York, N. Y. Polyphase converter-generator. 1,955,471; Apr. 17.
- Pooler, Louis G., assignor to Communication Patents, Inc., New York, N. Y. Television system. 1,985,690; Dec. 25.
- Pooley, Frederick W., Philadelphia, Pa. Brake control mechanism. 1,945,070; Jan. 30.
- Poor, Nathan H. (See Merritt, M. M., and Poor.)
- Poor, Walter E., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube. 1,980,590; Nov. 13.
- Poos, Joseph, Eaton, Ohio. Automatic door or lid lift. 1,975,701; Oct. 2.
- Pootatuck Corporation, The. (See Grathwol, William L., assignor.)
- Pope, Alexander, Evanston, Ill. Bit for drills. 1,950,513; Mar. 13.
- Pope, Arthur W., Jr., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,960,795; May 29.
- Pope, Elton A., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Waste pipe fitting. 1,956,654; May 1.
- Pope, Elton A., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Telescopic elbow-fittings for interconnecting flush-tanks and toilet-bowls. 1,981,247; Nov. 20.
- Pope, John G., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,970,337; Aug. 14.
- Pope Machinery Corporation. (See Howard, Merton W., assignor.)
- Pope Machinery Corporation. (See Staples, J. W., and Brooks, assignors.)
- Pope, Turner T. (See Millingar, H. E., and Pope.)
- Pope, William B., Drewryville, Va. Garment hanger and clothes tree. 1,981,569; Nov. 20.
- Pope, William E., West Palm Beach, Fla. Can punch. 1,973,777; Sept. 18.
- Popham, William J., Detroit, Mich., assignor to Minnesota Metallurgical Co., Minneapolis, Minn. Producing steel. 1,947,735; Feb. 20.
- Popiel, Maurice A. (See Schonholtz, J., Megar, and Popiel.)
- Popkess, William R., Sabetha, Kans. Body support. 1,942,976; Jan. 9.
- Popkin, Joseph. (See Chittino, A., and Popkin.)
- Popkin, Joseph, Brooklyn, N. Y. Window construction. 1,955,767; Apr. 24.
- Popov, Vladimir D., Prague-Bubeneč, Czechoslovakia. Conveying cigarettes through cigarette-packing machines. 1,984,808; Dec. 18.
- Popovich, Nicholas, et al. (See Schlitzer, Leo J., assignor.)
- Popovich, Nicholas, Teaneck, N. J., assignor of one-third to J. A. Taferner, and one-third to L. J. Schlitzer, New York, N. Y. Eye set for dolls. 1,958,861; May 15.
- Popovich, Nicholas, Teaneck, N. J., assignor of one-third to J. A. Taferner and one-third to L. J. Schlitzer, New York, N. Y. Eye member mounting for dolls. 1,976,370; Oct. 9.
- Popovich, Nicholas, Teaneck, N. J., assignor of one-third to J. A. Taferner and one-third to L. J. Schlitzer, New York, N. Y. Eye set for dolls. 1,984,654; Dec. 18.
- Popp, Harry E., York, Pa. Hydraulic turbine. 1,945,071; Jan. 30.
- Popp, Leonard A., Saugus, assignor to Lynn Products Co., Lynn, Mass. Fuel-oil burner. 1,948,394; Feb. 20.
- Popp, Leonard A., Saugus, assignor to Lynn Products Co., Lynn, Mass. Fuel oil burner. 1,969,423; Aug. 7.
- Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Switch mechanism. 1,974,053; Sept. 18.
- Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Switch mechanism. 1,974,054; Sept. 18.
- Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Bag-making machine. 1,943,549; Jan. 16.
- Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Paper bag. 1,952,891; Mar. 27.
- Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Process and machine for making bags. 1,976,513; Oct. 9.
- Poppenburger, Fritz. (See Becker, P., and Poppenburger.)
- Poppenhauser, Ferdinand, assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or article of analogous nature. Des. 91,398; Jan. 23.
- Poppenhauser, Ferdinand, assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or article of analogous nature. Des. 91,399; Jan. 23.
- Poppensieker, Fritz, assignor to the firm Alfred H. Schulte, Cologne, Deutz, Germany. Turret bearing for automatic multipindle turret-lathes. 1,964,213; June 26.
- Popper, Alfred, assignor to the firm Optimint Gumové a Textilní Závody Akciová Společnost, Odran, Czechoslovakia. Chain-looping skeins of rubber thread and warps of rubber thread. 1,970,187; Aug. 14.
- Popsicle Corporation of the United States, The. (See Krick, Leonard B., assignor.)
- Popsicle Corporation of the United States, The. (See Schnaier, Milton, assignor.)
- Popsicle Service, Inc. (See Schmidt, Paul, assignor.)
- Porcelain Products, Inc. (See Meyer, Edwin M., assignor.)
- Porcelain Tile Corporation. (See Haines, George D., assignor.)
- Porcelier Manufacturing Company. (See Tauber, Hyman, assignor.)
- Porcelier Manufacturing Company. (See Wilson, George, assignor.)
- Porpora, Mary, assignor to Franklin Simon & Co. Inc., New York, N. Y. Dress. Des. 93,516; Oct. 2.
- Porpora, Mary, assignor to Franklin Simon & Co. Inc., New York, N. Y. Dress. Des. 93,517; Oct. 2.
- Porsche, Ferdinand, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Berlin, Unterturkheim, Germany. Vaporizer for oil engines. 1,974,785; Sept. 25.
- Porsche, Ferdinand, and K. Rabe, Stuttgart, Germany. Articulated differential gear, particularly for motor vehicles. 1,946,358; Feb. 6.
- Portable Adding Machine Company. (See Barrett, Glenn J., assignor.)
- Portable Adding Machine Company. (See Barrett, G. J., and Bradt, assignors.)
- Portable Rig Company, Inc., et al. (See Pearmain, W. J., and Hodges, assignors.)
- Portail, Fernand C. F., assignor to Societe Anonyme le Carbone, Gennevilliers, France. Carbureting process and apparatus. 1,941,487; Jan. 2.
- Port Colbourne Iron Works. (See Heighton, Henry E., assignor.)
- Porter, Albert N. (See Livingston, Charles M., assignor.)
- Porter-Cable Machine Company, The. (See Emmons, Arthur N., assignor.)
- Porter, Claud, Madison, S. Dak. Electric switch. 1,952,939; Mar. 27.
- Porter, Edwin S. (See Porter, Edwin S., assignor.)
- Porter, Edwin S., New York, N. Y. Film magazine for cameras. 1,953,986; Apr. 10.
- Porter, Edwin S., New York, N. Y. Film magazine for amateur motion picture cameras. 1,954,841; Apr. 17.
- Porter, Edwin S., assignor, by mesne assignments, to E. S. Porter, New York, N. Y. Motion picture camera. 1,962,031; June 5.
- Porter, Francis L., High Point, N. C., assignor to Logan Porter Mirror Company. Decorative reflective article. 1,943,623; Jan. 16.
- Porter, Garnett H. (See Benner, R. C., Porter, and Nelson.)
- Porter, Garnet H. (See Nelson, C. S., and Porter.)
- Porter, Hannah, Northport, N. Y. Lamp. Des. 93,047; Aug. 14.
- Porter, Harry, Peoria, Ill. Ironing board. 1,969,032; Aug. 7.
- Porter, Howard C., La Grange Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Strap joint forming tool. 1,952,092; Mar. 27.
- Porter, Howard C., La Grange Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Seal-joint. 1,969,152; Aug. 7.
- Porter, Irving D. (See Wynne, Robert J., assignor.)
- Porter, J. E. (See Russell, Samuel G., assignor.)
- Porter, James F., Yonkers, assignor to The Western Union Telegraph Company, New York, N. Y. Platen for tape printing machines. 1,949,878; Mar. 6.
- Porter, James F., assignor to The Western Union Telegraph Company, New York, N. Y. Tape lifter for hand tape moisteners. 1,955,090; Apr. 17.
- Porter, Jay E., Muskegon, Mich. Piston ring joint miller. 1,946,881; Feb. 13.
- Porter, Johnston P., St. Catharines, Ontario, Canada. Conveyer attachment for tunnel shovels. 1,965,000; July 3.
- Porter, Kirk E., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Service tray. 1,949,285; Feb. 27.
- Porter, Logan, Mirror Company. (See Porter, Francis L., assignor.)
- Porter, Philip, East Northfield, Mass. Spike roller. 1,965,510; July 3.
- Porter, Ralph E., Newark, assignor to National Oil Products Company, Harrison, N. J. Tanning process and product produced thereby. 1,975,616; Oct. 2.
- Porter, Roy R., Fort Lee, N. J. Combined lavatory and medicine cabinet unit. 1,977,143; Oct. 16.
- Porter Screen Company. (See McKenney, Guy C., assignor.)
- Porter, Willard E., Swampscott, Mass., assignor to General Electric Company. Switch operating mechanism. 1,970,432; Aug. 14.
- Porter, William B. (See McCreary, M. A., and Porter.)
- Porter, Wilson E. (See Whitehead, R. H., and Porter.)
- Portman, Clement A., Hollywood, Calif., assignor to Westinghouse Electric & Manufacturing Company. Communication system. 1,957,288; May 1.
- Portman, Milton C. (See McCoy, George M., assignor.)
- Poschel, Alfred B., assignor to Decorative Development, Inc., Brooklyn, N. Y. Ornamentation. 1,955,562; Apr. 17.
- Pöschel, Alfred B., assignor to Decorative Development, Inc., Brooklyn, N. Y. Method of and apparatus for printing and dyeing. 1,965,257; July 3.
- Poschel, Alfred B., assignor to Decorative Development, Inc., Brooklyn, N. Y. Compositing cellulose ester sheets. 1,968,095; July 31.
- Posey, Thomas W., Brownwood, Tex., assignor of one-fourth to S. C. Holloway. License plate. 1,943,343; Jan. 16.
- Posnack, Emanuel R., assignor of one-half to C. B. Goodstein, Brooklyn, N. Y. Stapling machine. 1,945,377; Jan. 30.

- Posner, Samuel, Jackson Heights, N. Y. Button. Des. 91,367; Jan. 16.
- Posnett, William H., Cheadle Heath, Stockport, England. Cutting roller for paper and the like. 1,951,529; Mar. 20.
- Post, Claude L., Chicago, Ill. Coupling. 1,980,823; Nov. 13.
- Post, Ernest K. (See Post, Welles M. and E. K.)
- Post, Otto, assignor to Novelty Manufacturing Co., Huron, S. Dak. Milk bottle opener. 1,960,827; May 29.
- Post, Marvin C., Brookfield, Mo. Anchor. 1,982,963; Dec. 4.
- Post, Welles M., Wayne, Pa., and E. K. Post, Collingswood, N. J. Railway switch. 1,965,803; July 10.
- Post, William L., Detroit, Mich. Photographic printing machine. 1,947,795; Feb. 20.
- Postal Telegraph-Cable Company. (See Stanley, William G., assignor.)
- Postel, Carl. (See Vandegriff, J. N., and Postel.)
- Postel, Fred J., Milwaukee, Wis. Apparatus for burning certain fuels. 1,955,472; Apr. 17.
- Poster Advertising Corporation of America. (See Welsh, Edward M., assignor.)
- Poster Products Inc. (See Burke, Lawrence J., assignor.)
- Posthumus, Klaas. (See Bol, C., and Posthumus.)
- Posthumus, Klaas. (See van der Pol, B., Posthumus, and Tellegen.)
- Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. Detector circuit. 1,947,569; Feb. 20.
- Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. Push-pull connection for amplifying electric oscillations. 1,968,260; July 31.
- Posthumus, Klaas, and T. J. Weyers, Eindhoven, Netherlands, assignors to Radio Corporation of America. Superheterodyne receiver. 1,966,045; July 10.
- Posthumus, Klaas, and T. J. Weyers, Eindhoven, Netherlands, assignors to Radio Corporation of America. Superheterodyne receiver. 1,968,259; July 31.
- Posthumus, Klaas, and W. D. van Gogh, Eindhoven, Netherlands, assignors to Radio Corporation of America. Nonoscillating high-frequency amplifier. 1,976,460; Oct. 9.
- Posthumus, Klaas, and T. J. Weyers, Eindhoven, Netherlands, assignors to Radio Corporation of America. Intermediate frequency amplifier. 1,978,475; Oct. 30.
- Postindex Company. (See Linn, David H., assignor.)
- Potbury, Alfred H. (See Peebles, D. D., Manning, and Potbury.)
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag. 1,949,622; Mar. 6.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making machine. 1,949,879; Mar. 6.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making machine. 1,949,880; Mar. 6.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Delivery mechanism for bag machines. 1,949,881; Mar. 6.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making machine. 1,953,432; Apr. 3.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Waxing machine. 1,968,911; Aug. 7.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for handling strip material. 1,972,902; Sept. 11.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for handling strip material. 1,972,903; Sept. 11.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Tube making machine. 1,975,121; Oct. 2.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Feed roller mounting for tubing machines and the like. 1,975,122; Oct. 2.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag making method and bag making machine. 1,975,123; Oct. 2.
- Potdevin Machine Company. (See Ettl, Joseph, assignor.)
- Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
- Pote, Henry J., Swampscott, Mass. Shoe fastener. 1,980,086; Nov. 6.
- Potez, Henry C. A., Meaulte, France. Disappearing carriage for aircraft. 1,979,011; Oct. 30.
- Poth, George H., Cincinnati, Ohio. Electrical apparatus. 1,969,093; Aug. 7.
- Potlatch Forests, Inc. (See Esselen, Gustavus J., assignor.)
- Pott, Franz B., Missoula, Mont. Fishing fly and process of making. 1,949,582; Mar. 6.
- Pott, Rainer H., Prien near Munich, assignor to Chemische Fabrik Pott & Co., Kommandit-Gesellschaft, Dresden, Germany. Composition for treating crude fibers and textile fabrics. 1,944,367; Jan. 23.
- Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Corporation. Seat control mechanism. 1,943,550; Jan. 16.
- Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Corporation. Frame corner bead. 1,947,736; Feb. 20.
- Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Corporation. Windshield-operating mechanism. 1,950,628; Mar. 13.
- Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Corporation. Windshield frame. 1,975,372; Oct. 2.
- Potter, Arthur C., North Woodstock, Conn. Match book. 1,968,353; July 31.
- Potter, Charles P., assignor to Wagner Electric Corporation, St. Louis, Mo. Electrical apparatus. 1,967,684; July 24.
- Potter, Earl C., Chicago, assignor, by mesne assignments, to Contalner Corporation of America, Chicago, Ill. Display stand. 1,947,168; Feb. 13.
- Potter, Frank M., assignor to Potter Manufacturing Corporation, Chicago, Ill. Tubular fire escape. 1,950,996; Mar. 13.
- Potter, Frank M., Rome, N. Y., and E. W. McKnight, Bayonne, N. J., assignors to General Cable Corporation, New York, N. Y. Electrical cable and method of manufacture. 1,943,087; Jan. 9.
- Potter, Frederick T., Newton, assignor to Stark Tool Company, Waltham, Mass. Blowtorch. 1,941,755; Jan. 2.
- Potter, Harley O., Peoria, Ill. Golf gripper. 1,954,262; Apr. 10.
- Potter, Harold B., assignor of one-fifth to C. O. Gill and one-fifth to G. S. Gilman, Sioux City, Iowa. Wheel holder. 1,944,266; Jan. 23.
- Potter, Harry F., Waterloo, Ind. Grave marker. 1,946,033; Feb. 6.
- Potter, Howard M., Youngstown, Ohio. Floral basket. 1,979,771; Nov. 6.
- Potter, John A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchange apparatus. 1,943,456; Jan. 16.
- Potter, John A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchange apparatus. 1,947,109; Feb. 13.
- Potter, John A., and J. P. Rathbun, Prospect Park, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchange apparatus. 1,967,781; July 24.
- Potter Manufacturing Company. (See La Duke, Louis M., assignor.)
- Potter Manufacturing Corporation. (See Potter, Frank M., assignor.)
- Potter, Myron P. (See Burt, Delos V., assignor.)
- Potter, Paul L., Belmont, Calif. Bathtub construction. 1,980,929; Nov. 13.
- Potter, Pierce & Scheffer. (See Crouse, G. B., and Jallow, assignors.)
- Potter, Ralph K., Landing, N. J., assignor to American Telephone and Telegraph Company. Radiotransmission without distortion. 1,948,671; Feb. 27.
- Potter, Ralph K., Netcong, N. J., assignor to American Telephone and Telegraph Company. Producing a phase modulated wave. 1,968,169; July 31.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for producing musical sounds. 1,980,292; Nov. 13.
- Potter, Robert S. (See Richter, P. C., and Potter.)
- Potter, Rossiter R., and S. G. Russell, assignors to Shakespear Products Company, Kalamazoo, Mich. Fastening. 1,947,921; Feb. 20.
- Potter, Thomas I. (See Potter, T. I., and Carlson, assignors.)
- Potter, Thomas I., and A. E. Carlson, assignors to T. I. Potter, Buffalo, N. Y. Sanitary shelf. 1,979,902; Nov. 6.
- Potter, William A., Dayton, Ohio. Jar holder. 1,933,946; Dec. 11.
- Potter, William H., Warrington, England. Annealing and zinc coating ferrous articles. 1,942,121; Jan. 2.
- Potter, William W. (See Cavanagh, J. F., and Chase, assignors.)
- Potter, William W., Pawtucket, R. I. Plumbing fixture. Des. 91,439; Jan. 30.
- Pottern, Maurice, Springfield, Mass. Headrest for shampoo purposes. 1,961,244; June 5.
- Potters Supply Company, The. (See Irwin, William W., assignor.)
- Pothhoff, Kurt T., Brooklyn, N. Y. Apparatus for plating. 1,959,764; May 22.
- Pothhoff, Kurt T., Brooklyn, N. Y. Method and apparatus for treating material. 1,959,799; May 22.
- Pottier, Yves L. J., Paris, France. Wind-screen ensuring direct vision through the air. 1,980,633; Nov. 13.
- Potts, Elroy J., and C. A. Sheldon, Hudson, N. Y. Glider. 1,958,312; May 8.
- Potts, Harry G. (See Weitzel, C. F., Potts, and Underwood.)
- Potts, Louis M., assignor, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill. Composing machine. 1,970,567; Aug. 21.
- Pottstown Machine Company. (See Eades, Herbert S., assignor.)
- Poulas, Gust, assignor of 40 per cent to T. Bibicos, Cleveland, Ohio. Fraud preventative device for slot machines. 1,977,326; Oct. 16.
- Poulsen, Knud, assignor to Sterling Tool Company, Racine, Wis. Drafting instrument. 1,975,648; Oct. 2.
- Poulter, John W., assignor to National Equipment Corporation, Milwaukee, Wis. Machine for raising pavement. 1,969,324; Aug. 7.

- Poulter, John W., Mount Pleasant, Iowa, assignor to National Equipment Corporation, Milwaukee, Wis. System and apparatus for elevating rigid pavements. 1,974,123; Sept. 18.
- Poulter, John W., Mount Pleasant, Iowa, assignor to National Equipment Corporation, Milwaukee, Wis. Elevating pavements, filling voids, crevices, and the like. 1,976,857; Oct. 16.
- Poultniey, Samuel V., Harrow Weald, assignor to Energen Foods Company Limited, Willesden, England. Machine for rolling and cutting dough or the like plastic substances. 1,945,443; Jan. 30.
- Poultry Producers of Central California. (See Lawler, J., and Kavin, assignors.)
- Poussin, Léon D. (See Frankignoul, E., and Poussin.)
- Pouvreau, Jean-Marie. (See Berthélemy, P., de Montby and Pouvreau.)
- Poux, Noel J., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener slider. 1,969,672; Aug. 7.
- Poux, Raphael R., Orville, Ohio. Wood treating tool. 1,966,518; July 17.
- Powder Puff Pouch Co., The. (See Hammerling, Emanuel, assignor.)
- Powe, Edward P., Salinas, Calif. Combination square. 1,974,930; Sept. 25.
- Powel, William G., Mitcham Common, England. Machine for the manufacture of roofing tiles, bricks, paving slabs, paving tiles, and the like. 1,984,985; Dec. 18.
- Powell, Albert C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,968,420; July 31.
- Powell, Albert E., Cedar Falls, Iowa. Smoke and combustion indicator. 1,961,943; June 5.
- Powell, Alfred R., Elizabeth, N. J., assignor to The Koppers Company of Delaware. Removal of naphthalene and gum-forming constituents from gas. 1,944,903; Jan. 30.
- Powell, Alfred R., Elizabeth, N. J., assignor to The Koppers Company of Delaware. Method of and apparatus for measuring steam decomposition. 1,961,245; June 5.
- Powell, Alfred R., Mt. Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Treatment of coke. 1,968,311; July 31.
- Powell, Edward R., Alexandria, Ind. Ceramic slab forming process and apparatus. 1,963,029; June 12.
- Powell, Edward R., Alexandria, Ind. Forming cellular ceramic building material. 1,963,030; June 12.
- Powell, Edward R., Alexandria, Ind. Cellular-ceramic process and apparatus. 1,963,031; June 12.
- Powell, Edward R., Alexandria, Ind. Disk wheel for roller skates. 1,975,661; Oct. 2.
- Powell, Edward R., assignor to Banner Rock Corporation, Alexandria, Ind. Apparatus for producing rock wool products. 1,948,395; Feb. 20.
- Powell, Edward R., Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y. Insulating block and making the same. 1,972,493; Sept. 4.
- Powell, Edward R., Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y. Fluid-jet nozzle for blowing mineral wool. 1,977,406; Oct. 16.
- Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Visible index or record. 1,957,800; May 8.
- Powell, George R., Villa Nova, Pa. Power vehicle brake operating system. 1,962,649; June 12.
- Powell, Henry K. (See Leopold, S. N., and Powell.)
- Powell, Jefferson, Lynch, Ky. Motor for operating churns. 1,961,302; June 5.
- Powell, John M., Galax, Va. Carriage supporting means. 1,954,713; Apr. 10.
- Powell, John M., Mount Vernon, Ill. Combination grave marker and flower vase. 1,963,804; June 19.
- Powell, Neal, Westington Springs, S. Dak. Rotary motor. 1,962,408; June 12.
- Powell, Perry A., Grand Island, Nebr. Piston ring. 1,958,313; May 8.
- Powell, Richard, et al. (See Howell, David, assignor.)
- Powell, Ross C., Forest Hills, assignor to The Texas Company, New York, N. Y. Apparatus for cracking hydrocarbon oils. 1,947,110; Feb. 13.
- Powell, Russell S., Takoma Park, Md. Flying machine. 1,963,676; June 19.
- Powell, Samuel I. (See Sheppard, H. N., and Powell.)
- Powell, Stanley, East Cleveland, Ohio. Brake. 1,946,758; Feb. 13.
- Powell, Thomas B. (See Crawford, Charles J., assignor.)
- Powell, William B., assignor to Appleford Paper Products Limited, Hamilton, Ontario, Canada. Container for paper rolls. Re19,134; Apr. 10.
- Powell, William B., Buffalo, and R. N. Cundall, Hamburg, N. Y., assignors, by mesne assignments, to Bagpak, Inc. Bag and forming same. 1,955,310; Apr. 17.
- Powell, William E., assignor of forty-four per cent to W. E. McDermott, Chicago, Ill., individually, fifty-one per cent to said McDermott as trustee, and five per cent to Vestor J. Skutt. Coal auger bit. 1,955,768; Apr. 24.
- Powell, William H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. Re19,326; Sept. 25.
- Powell, William H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine regulation. 1,965,606; July 10.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic phonograph stop mechanism. 1,949,547; Mar. 6.
- Powelson, Wilfrid Van N., New York, N. Y. Removing water of crystallization from crystals and/or solids. 1,948,313; Feb. 20.
- Power, Charles M. (See Round, L. D., and Power.)
- Power Gas Corporation Limited, The. (See Rambush, Niels E., assignor.)
- Power, Henry R., assignor to The Carborundum Company, Niagara Falls, N. Y. Granular material. 1,980,432; Nov. 13.
- Power, James R., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rectifier system. 1,943,088; Jan. 9.
- Power, Laurence E., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Fixed resistor unit and forming the same. 1,978,323; Oct. 23.
- Power Manufacturing Company, The. (See Owens, C. A., and Bresler, assignors.)
- Power, Michael J. (See Finegan, Ellwood J., assignor.)
- Power Piping Company. (See Quartz, W. N., and Bannen, assignors.)
- Power, Thomas J., Milwaukee, Wis., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Washer drain board. 1,959,546; May 22.
- Power, Thomas J., Milwaukee, Wis., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Clothes washing machine. 1,979,408; Nov. 6.
- Powerplus (1927) Limited. (See Eyston, George E. T., assignor.)
- Powers, Charles P., Oakland, Calif. Harvesting machine. 1,978,505; Oct. 30.
- Powers, Donald H., Moorestown, N. J., assignor to Röhm & Haas Company, Philadelphia, Pa. Application to textiles of dinitro compounds. 1,962,085; June 5.
- Powers, Donald H., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carbon disulphide reaction products and making same. 1,975,588; Oct. 2.
- Powers, Frank B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shunted interpole for railway motors. 1,953,129; Apr. 3.
- Powers, Frank T., Douglaston, N. Y. Producing balanced half tones. 1,954,097; Apr. 10.
- Powers, Frank T., Douglaston, N. Y. Paper coating machine. 1,954,098; Apr. 10.
- Powers, Frank T., Douglaston, N. Y. Disk shear. 1,967,324; July 24.
- Powers, George G., Winnetka, Ill. Spring structure. 1,963,052; June 12.
- Powers, George G., assignor to The Powers Spring Corporation, Chicago, Ill. Wire spring. 1,963,053; June 12.
- Powers, George G., assignor to The Powers Spring Corporation, Chicago, Ill. Wire spring. 1,963,054; June 12.
- Powers, George G., assignor to The Powers Spring Corporation, Chicago, Ill. Wire spring. 1,963,055; June 12.
- Powers, George G., and C. A. Rhinevault, assignors to The Powers Spring Corporation, Chicago, Ill. Method and machine for producing springs. 1,968,802; July 31.
- Powers, James H., Yeadon, Pa., assignor to General Electric Company. Electrical switchgear. 1,966,218; July 10.
- Powers, Joseph J., Iowa City, Iowa. Instrument holder. 1,957,052; May 1.
- Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Manifold. 1,952,682; Mar. 27.
- Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Valve. 1,965,053; July 3.
- Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Valve assembly. 1,965,054; July 3.
- Powers, Raymond W. (See Castner, J. R., and Powers.)
- Powers Regulator Company, The. (See Snediker, Morton O., assignor.)
- Powers, Richard J., and K. Baumert, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Winding mechanism and speed control therefor. 1,976,683; Oct. 9.
- Powers, Rolla E. (See Laffoon, C. M., Kilgore, and Powers.)
- Powers Smoking Pipes Corporation. (See Powers, Timothy B., assignor.)
- Powers Spring Corporation, The. (See Powers, George G., assignor.)
- Powers Spring Corporation, The. (See Powers, G. G., and Rhinevault, assignors.)
- Powers, Timothy B., St. George, Staten Island, N. Y. Screw driver. 1,961,246; June 5.
- Powers, Timothy B., St. George, Staten Island, N. Y. Smoking pipe. 1,961,247; June 5.
- Powers, Timothy B., St. George, assignor to Powers Smoking Pipes Corporation, New York, N. Y. Smoking pipe. 1,982,583; Nov. 27.
- Powers, W. F., Company, The. (See Powers, William S., assignor.)
- Powers, Walter E., Flushing, N. Y. Lip-stick holder. 1,950,324; Mar. 6.

- Powers, William C., Chicago, Ill. Ornamental setting for jewels and the like. 1,951,706; Mar. 20.
- Powers, William S., Riverside, Conn., assignor to The W. F. Powers Company, New York, N. Y. Display box. 1,954,060; Apr. 10.
- Poysa, Johan W., Hollywood, Calif. Magnetic motor. 1,963,213; June 19.
- Prachar, John, deceased, by The Apex Electrical Manufacturing Company, Cleveland, Ohio, assignee. Ironing machine. Re19,217; June 19.
- Prache, André, Paris, France. Loose-leaf binder. 1,963,447; June 19.
- Pracht, Louis J., Wichita, Kans. Wrist watch strap. Des. 92,018; Apr. 17.
- Pracny, John E., assignor to E. J. Manville Machine Company, Waterbury, Conn. Metal swaging machine. 1,951,738; Mar. 20.
- Prager, George J., New York, N. Y., assignor to R. Neumann & Company, Hoboken, N. J. Leather or similar article. Des. 92,316; May 22.
- Prager, Ladice, et al. (See Hunkle, Edward, assignor.)
- Prahar, Robert, assignor to David Karron, Inc., Brooklyn, N. Y. Receptacle frame. Re19,306; Sept. 4.
- Prahl, Frederick A., assignor to Continental Can Company, Inc., New York, N. Y. Method and container for packaging tobacco. 1,974,995; Sept. 25.
- Prahl, Frederick A., assignor to Continental Can Company, Inc., New York, N. Y. Device for dispensing lubricant from sealed containers. 1,980,434; Nov. 13.
- Prahl, Milton A. (See Weiland, H. J., Henke, and Prahl.)
- Prahl, Walter, assignor to Dr. F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Recovering phenols from phenol-carrying distillation gas and the like. 1,961,165; June 5.
- Prahl, Walter, Ludwigshafen-on-the-Rhine, Bavaria, assignor to F. Raschig G. m. b. H., Ludwigshafen, Germany. Making chlorobenzene. 1,963,761; June 19.
- Prahl, Walter, and W. Mathes, assignors to Dr. F. Raschig, G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Manufacture of phenols. 1,964,768; July 3.
- Prairie Investment Corporation. (See Allen, Walter Z., assignor.)
- Prall, Bert R., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Tire casing. Des. 91,901; Apr. 3.
- France, Albert J., assignor to Murchey Machine & Tool Company, Detroit, Mich. Thread cutting tool. 1,983,189; Dec. 4.
- France, Albert J., assignor to Murchey Machine & Tool Company, Detroit, Mich. Thread cutting tool. 1,983,190; Dec. 4.
- Prandtl, Wilhelm, Munich, Germany. Separation of hafnium and zirconium. 1,976,293; Oct. 9.
- Prange, Charles H. (See Erdle, R. W., and Prange.)
- Prange, Charles H., Lyndhurst, N. J., assignor to Austenal Laboratories, Inc., New York, N. Y. Cast metallic denture. 1,958,446; May 15.
- Pranger, Louis H., Racine, Wis. Railway crossing gate. 1,945,295; Jan. 30.
- Pranger, Louis H., Racine, Wis. Elevator gate mechanism. 1,970,818; Aug. 21.
- Pranke, Edward J., Bayside, N. Y., assignor to Grangers Manufacturing Company, Boston, Mass. Treatment of sodium calcium cyanide. 1,947,570; Feb. 20.
- Pranke, Edward J., Bayside, N. Y., assignor to Grangers Manufacturing Company, Boston, Mass. Producing cyanides. 1,961,569; June 5.
- Pratt, Frank Westinghouse, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Traction motor control system. 1,943,770; Apr. 10.
- Pratt-Daniel Corporation. (See Whiton, Louis C., assignor.)
- Prater, Jesse A. (See White, W. D., and Prater.)
- Prather, Graham P. (See Haskell, J. D., and Prather.)
- Prather, Graham P., Adams Center, assignor to Dilts Machine Works, Inc., Fulton, N. Y. Refining and beating engines. 1,960,753; May 29.
- Pratt, Arthur J., Belmont, assignor to American Optical Company, Southbridge, Mass. Spectacle and eyeglass case. 1,967,426; July 24.
- Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,971,795; Aug. 28.
- Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,979,050; Oct. 30.
- Pratt, Clifton J., Tulsa, Okla., assignor to Universal Oil Products Company, Chicago, Ill. Treating residue of hydrocarbon oil distillation. 1,946,947; Feb. 13.
- Pratt, Goodrich B. (See Barker, G. H., and Pratt.)
- Pratt, Goodrich B., Grantwood, assignor to Bond Electric Corporation, Jersey City, N. J. Flashlight. 1,950,190; Mar. 6.
- Pratt, Goodrich B., assignor to Bond Electric Corporation, Jersey City, N. J. Flash light. 1,985,459; Dec. 25.
- Pratt, Harry P., Chicago, Ill., assignor to W. F. Grower, H. A. Allen, G. S. Herrington, and H. T. Ballard, trustees acting with said H. P. Pratt, as co-trustees of Pratt Radio Trust. Radiotube. 1,949,395; Feb. 27.
- Pratt, Henry, Company, et al. (See Owen, Fred E., assignor.)
- Pratt, Henry, Co. (See Phillips, William H., assignor.)
- Pratt, Herbert E., Chicago, Ill. Peanut and popcorn machine. 1,955,654; Apr. 17.
- Pratt, John G. (See Kinsella, E., Pratt, and Kelsall.)
- Pratt, John W. (See Heggs, W. H., and Pratt.)
- Pratt, John W., and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,979,409; Nov. 6.
- Pratt, Lester A., Winchester, and G. E. Gould, Melrose, assignors to Merrimac Chemical Company, Everett, Mass. Manufacture of paper utensils. 1,948,314; Feb. 20.
- Pratt Radio Trust. (See Pratt, Harry P., assignor.)
- Pratt, Seely F., assignor to the Union Steel Chest Corp., Le Roy, N. Y. Tray. 1,954,646; Apr. 10.
- Pratt, Seely F., assignor to The Union Steel Chest Corporation, Le Roy, N. Y. Chest. 1,973,825; Sept. 18.
- Pratt, Thomas A., assignor of one-half to A. Wooldridge, Wichita Falls, Tex. Cotton gin. 1,965,001; July 3.
- Pratt, Verneur B., Plandome, N. Y. Seed product and making same. 1,971,504; Aug. 28.
- Pratt, Walter M., Detroit, Mich. Roof truss. 1,968,096; July 31.
- Pratt, Walter M., Detroit, Mich. Bar structural truss. 1,983,874; Dec. 11.
- Pratt, Walter M., Des Moines, Iowa. Roof truss. 1,973,882; Sept. 18.
- Pratt & Whitney Aircraft Company, The. (See Hasbrouck, Stephen A., assignor.)
- Pratt & Whitney Aircraft Company, The. (See King, Alexander H., assignor.)
- Pratt & Whitney Aircraft Company, The. (See Ryder, Earle A., assignor.)
- Pratt & Whitney Aircraft Company, The. (See Willgoos, Andrew V. D., assignor.)
- Pratt & Whitney Company. (See Burt, C. R., and Hoagland, assignors.)
- Pratt & Whitney Company. (See Drissner, A. E., Hoagland, assignor, Lange, Lundberg, and Lovely.)
- Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
- Pratt & Whitney Company. (See Johnson, Clinton V., assignor.)
- Pratt & Whitney Company. (See Raber, Robert R., assignor.)
- Pratt & Whitney Company. (See Rusnak, John M., assignor.)
- Pratt & Whitney Company. (See Shaw, John C. and R. D., assignors.)
- Pratt & Whitney Company. (See Shaw, Robert D., assignor.)
- Pratt, William H., Lynn, Mass., assignor to General Electric Company. Telemetering system. 1,967,100; July 17.
- Prawalsky, Fredrick P., deceased, by M. Prawalsky, administratrix, Bemidji, Minn. Window operated screen for automobiles. 1,958,018; May 8.
- Prawalsky, Martha, administratrix. (See Prawalsky, Fredrick P.)
- Pray, George E., Wading River, N. Y., assignor to Radio Corporation of America. Oscillation generation. 1,945,547; Feb. 6.
- Pray, George E., Wading River, N. Y., assignor to Radio Corporation of America. Keying. 1,977,596; Oct. 16.
- Pray, Horace B. (See Linster, J. T., Pray, and Lubs.)
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain and bit therefor. 1,979,344; Nov. 6.
- Prazak, Emil, Elizabeth, N. J. Sewing machine. 1,966,519; July 17.
- Preall, George. (See Krum, H., Preall, and Chambers.)
- Preble, Norman H., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Conveyer. 1,959,085; May 15.
- Precious Metals Developing Company. (See Bart, Blasius, assignor.)
- Precision Castings Company. (See During, W. J., and Lester, assignors.)
- Precision Castings Company. (See Lester, Nathan, assignor.)
- Precision Metal Workers. (See Birr, Rudolph G., assignor.)
- Precision Metal Workers. (See Grunwald, Albert C., assignor.)
- Pre Cote Corporation. (See McConnaughay, Kenneth E., assignor.)
- Preddey, Walter G., San Francisco, Calif. Attachment for projectors. 1,951,707; Mar. 20.
- Preddey, Howell F., San Francisco, Calif. Ice cream cone or similar article. Des. 93,847; Nov. 13.
- Predmore, Earl, Kenton, Ohio. Door hinge. 1,965,316; July 3.
- Preisig, Paul, Welling, assignor to The General Electric Company Limited, London, England. Apparatus for governing steam turbines. 1,973,443; Sept. 11.
- Preisman, Albert, Bronx, New York, N. Y. Apparatus for measuring electrical conductivity. 1,966,185; July 10.
- Preiswerk, Ernst, and H. Mayer, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 4-phenalkyl-3-keto-3,4-dihydro-1,4-benzoxazines and manufacture of same. 1,951,807; Mar. 20.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve. 1,953,130; Apr. 3.
- Premier Crystal Laboratories, Inc. (See Barber, Alfred W., assignor.)
- Prendergast, Frank P., Daguer Mines, Pa. Collapsible tube. 1,972,793; Sept. 4.
- Prentice, G. E., Manufacturing Company. (See Legat, Robert C., assignor.)
- Prentice, John. (See Kerr, H. J., Prentice, and Jones.)

- Prentiss, Augustin M., San Antonio, Tex. Carburetor. 1,984,382; Dec. 18.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,947,919; Feb. 20.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,950,266; Mar. 6.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,954,536; Apr. 10.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,964,172; June 26.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,967,423; July 24.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,974,585; Sept. 25.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,974,586; Sept. 25.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,981,969; Nov. 27.
- Prentiss, Augustin M., San Antonio, Tex., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 1,985,425; Dec. 25.
- Prentiss, Everts L., executor. (See Cowles, Alfred H.)
- Prentiss Wabers Products Co. (See Yeager, Anton J., assignor.)
- Prepared Seafoods Corporation. (See Strasburger, Charles M., assignor.)
- Presbrey, Otis F., Brooklyn, N. Y. Article handling device. 1,943,742; Jan. 16.
- Prescott, Carlton C., Menlo Park, N. J. Tool. 1,942,447; Jan. 9.
- Prescott, Charles F., Brooklyn, N. Y. Distribution valve for fluid pressure engines. 1,953,541; Apr. 3.
- Prescott Company, The. (See Haase, Adolph L., assignor.)
- Prescott Company, The. (See Langill, Ross E., assignor.)
- Prescott Company, The. (See Percy, Edwin H., assignor.)
- Prescott, Frank H., Anderson, Ind., and J. M. Crawford, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine starter control. 1,980,355; Nov. 13.
- Prescott, John O. (See Capps, F. L., and Prescott.)
- Prescott, John O., Glenbrook, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph. 1,951,668; Mar. 20.
- Prescott, John O., Madison, and E. W. Franck, Paterson, N. J., assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Conveyor stop announcing system. 1,948,077; Feb. 20.
- Prescott, Le Roy A., Lyncott, North Muskegon, Mich., assignor to Service Station Equipment Company, Conshohocken, Pa. Pump. 1,956,876; May 1.
- Prescott, Le Roy A., Lyncott, Mich., assignor to Service Station Equipment Company, Conshohocken, Pa. Liquid measuring pump. 1,962,934; June 12.
- President and Board of Trustees of St. Louis University. (See Doisy, Edward A., assignor.)
- Presley, Evans E., Tonawanda, N. Y. Bracing means for telephone poles and the like. 1,975,555; Oct. 2.
- Presley, J. Donald, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Clamp. 1,974,628; Sept. 25.
- Press, Carl, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,971,621; Aug. 28.
- Press- und Walzwerk Aktiengesellschaft. (See Martin, Wilhelm, assignor.)
- Pressed Steel Car Company. (See Koch, Felix, assignor.)
- Pressed Steel Company of Great Britain Limited, The. (See Fernberg, Eric B., assignor.)
- Pressed Steel Tank Company. (See Coakley, William E., assignor.)
- Pressed Steel Tank Company. (See Wilcox, Harry C., assignor.)
- Pressed & Welded Steel Products Company. (See Haskin, Walter B., assignor.)
- Presslaff, Murray, and I. H. Bernstein, New York, N. Y. Blouse. Des. 92,152; May 1.
- Pressler, Max, Leipzig, Germany, assignor of fifty per cent to Radio Patents Corporation, New York, N. Y. Photoelectric tube. 1,956,590; May 1.
- Pressman, Jack, New York, N. Y. Game. 1,979,345; Nov. 6.
- Pressnall, Charles A., Elkhart, Ind. Expansive clutch for wind motors. 1,976,891; Oct. 16.
- Press- und Walzwerk Aktiengesellschaft, et al. (See Smith, Sydney, assignor.)
- Prestenback, Edwin, New Orleans, La. Trap rest. 1,970,672; Aug. 21.
- Prestinari, Eugen, Summit, N. J., assignor to Gemex Company. Extensible buckle. 1,985,835; Dec. 25.
- Prestinari, Eugen, Summit, N. J., assignor to Gemex Company. Bracelet buckle. 1,985,836; Dec. 25.
- Prest-O-Lite Company, The. (See Kojola, Hugo V., assignor.)
- Prest-O-Lite Company. (See Mesinger, William F., assignor.)
- Prest-O-Lite Company, Inc. (See Mesinger, W. F., and Baker, assignors.)
- Presto Lock Corporation. (See Levine, Abraham, assignor.)
- Preston, Benjamin S., Charleston, W. Va. Golfer's appliance. 1,958,956; May 15.
- Preston, Charles S., Houston, Tex. Lock. 1,972,201; Sept. 4.
- Preston, Charles W., Kingston-upon-Hull, England. Exercising apparatus. 1,965,511; July 3.
- Preston, Edward S., Chicago, Ill. Casing for an electric toaster or the like. Des. 93,889; Nov. 20.
- Preston, Frank W., Butler, Pa. Making wire mesh. 1,974,750; Sept. 25.
- Preston, Frederick A., Lake Forest, assignor to The P & M Company, Chicago, Ill. Tieplate. 1,960,550; May 29.
- Preston, Frederick L., Mobile, Ala. Electric resistance furnace. 1,952,143; Mar. 27.
- Preston, Hamilton W. (See Preston, Kenneth D. and H. W.)
- Preston, Harrison O., and F. J. Strowbridge, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Fluxing apparatus. 1,946,428; Feb. 6.
- Preston, Henry C. (See Fleming, H. B., and Preston.)
- Preston, Henry C., assignor to The Black & Decker Manufacturing Company, Towson, Md. Cord clamp for portable electric tools. 1,950,036; Mar. 6.
- Preston, Henry C., assignor to The Black & Decker Manufacturing Company, Towson, Md. Spindle and collet for tapset end valves. 1,957,848; May 8.
- Preston, Henry C., assignor to The Black & Decker Manufacturing Company, Towson, Md. Portable rotary electric tool. 1,964,797; July 3.
- Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Stoker tuyère. 1,944,948; Jan. 30.
- Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Crusher roll mechanism. 1,955,931; Apr. 24.
- Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Crusher pit. 1,955,932; Apr. 24.
- Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Furnace stoker. 1,958,639; May 15.
- Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Mechanical stoker. 1,965,317; July 3.
- Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Air-cooled retort. 1,965,318; July 3.
- Preston, John E. (See Sokolow, S., and Preston.)
- Preston, Kenneth D., Hornell, N. Y., and H. W. Preston, Jacksonville, Fla., assignors of two-thirds to said K. D. Preston and one-third to said H. W. Preston. Signal system for motor vehicles. 1,946,759; Feb. 13.
- Preston, Maurice L., assignor of one-half to G. F. Nicholson, St. Stephen, New Brunswick, Canada. Portable electric chocolate dipping pan. 1,951,257; Mar. 13.
- Preston, Neil D. (See Dicke, O. H., and Preston.)
- Preston, Richard O., Topeka, Kans. Vaginal atomizer. 1,965,560; July 3.
- Preston, Robert M., Chicago, Ill. Food composition. 1,949,657; Mar. 6.
- Preston, Robert M., Chicago, Ill. Jelly manufacture. 1,968,704; July 31.
- Prew, Harvey A., Providence, R. I. Picture mat. Des. 92,205; May 8.
- Prew, Harvey A., Providence, R. I. Picture mat. 1,959,988; May 22.
- Prewitt, Arthur T. (See Prewitt, William J. and A. T.)
- Prewitt, William J. and A. T., Brooklyn, N. Y. Lining element for shoes. 1,965,431; July 3.
- Pribil, Alexis R., Saginaw, Mich. Steel trolley wheel. 1,963,592; June 19.
- Price, Albert O., Uhrichsville, Ohio, assignor of one-fourth to R. W. Rutledge and S. P. Myers. Traffic signal. 1,942,306; Jan. 2.
- Price, Albert O., Leesville, assignor, by mesne assignments, to The Priceler Corporation, Cleveland, Ohio. Air control apparatus. 1,957,413; May 1.
- Price, Bethel E., Charleston, W. Va. Quilting frame. 1,945,329; Jan. 30.
- Price Brothers. (See Hammer, Hyman, assignor.)
- Price Bros., Inc. (See Hammer, Hy., assignor.)
- Price, Chas. V. (See Marsh, Fayette E., assignor.)
- Price, Claude E., assignor to Bunte Brothers, Chicago, Ill. Apparatus for coating confections. 1,973,778; Sept. 18.
- Price, Daniel J., Mullen, Tex. Concrete mixer. 1,948,226; Feb. 20.
- Price, David R., Swampscott, Mass., assignor to General Electric Company. Telemetering method and apparatus. 1,979,998; Nov. 6.
- Price, David W., New York, N. Y. Dress. Des. 91,729; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,730; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,731; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,732; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,733; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,734; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,735; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,736; Mar. 13.

- Price, David W., New York, N. Y. Dress. Des. 91,737; Mar. 13.
- Price, David W., New York, N. Y. Dress. Des. 91,902; Apr. 3.
- Price, David W., New York, N. Y. Dress. Des. 91,903; Apr. 3.
- Price, David W., New York, N. Y. Ensemble dress. Des. 91,904; Apr. 3.
- Price, David W., New York, N. Y. Dress. Des. 91,905; Apr. 3.
- Price, David W., New York, N. Y. Ensemble dress. Des. 91,906; Apr. 3.
- Price, Earl E., Minneapolis, Minn. Valve structure. 1,983,191; Dec. 4.
- Price, Edgar, Schenectady, N. Y., assignor to General Electric Company. Brake mechanism. 1,961,780; June 5.
- Price, Elsie M., Swampscott, Mass. Making ink records. 1,972,513; Sept. 4.
- Price, Frederick, assignor to Price-Trawick, Inc., Stroud, Okla. Cold shrunken-in valve seat. 1,950,267; Mar. 6.
- Price, Harold W., Toronto, Ontario, Canada, assignor, by mesne assignments, to Robertshaw Thermostat Company, Youngwood, Pa. Thermostatic gas control. Re19,364; Nov. 6.
- Price, Harry, Boston, Mass. Automatic cooking apparatus. 1,977,454; Oct. 16.
- Price, Inez M., assignor of one-half to R. Katz, Oakland, Calif. Smock. Des. 92,925; July 31.
- Price, Jacob R., Kansas City, Mo. Apparatus for producing metal packing. 1,956,834; May 1.
- Price, James E., Providence, R. I. Spoon or similar article. Des. 91,281; Jan. 2.
- Price, John R., Madison, Wis., assignor to Howard D. Colman, Rockford, Ill. Induction motor. 1,952,220; Mar. 27.
- Price, Joseph, West New Brighton, Staten Island, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,946,234; Feb. 6.
- Price, Joseph, West New Brighton, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,953,500; Apr. 3.
- Price, Joseph, West New Brighton, Staten Island, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,955,015; Apr. 17.
- Price, Joseph, West New Brighton, Staten Island, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,962,909; June 12.
- Price, Joseph M. (See Dolan, Frank J., assignor.)
- Price, Joseph W., jr. (See Light, R. A., and Price, jr.)
- Price, Lincoln C., Flushing, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Protective covering for mouthpieces. 1,973,883; Sept. 18.
- Price, Nailey E., Dallas, Tex. Method of and apparatus for drilling oil wells. 1,981,525; Nov. 20.
- Price, Orlo H., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Water treating apparatus. 1,962,096; June 5.
- Price, Ralph H., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Hydrogenation system. 1,948,732; Feb. 27.
- Price, Stanley, Edwardsville Pa. Dust collector for drills. 1,981,570; Nov. 20.
- Price, Thomas J., jr., Chicago, Ill. Window. 1,956,774; May 1.
- Price, Thornton W., New Brunswick, N. J. Draft controlling apparatus for furnace flues. 1,945,955; Feb. 6.
- Price, Thornton W., New Brunswick, N. J. Air sprayer for furnaces. 1,962,212; June 12.
- Price-Trawick, Inc. (See Price, Frederick, assignor.)
- Price, W. John, and W. Anscott, assignors to Oval Match Company, Inc., Brooklyn, N. Y. Apparatus for manufacturing match books. 1,951,371; Mar. 20.
- Price, William B., Grandfield, Okla. Attachment for jacks. 1,969,943; Aug. 14.
- Price, William B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Copper alloys. 1,956,251; Apr. 24.
- Price, William B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Copper alloy. 1,976,803; Oct. 16.
- Price, William K., Selah, Wash. Insecticide. 1,947,169; Feb. 13.
- Pricer Corporation, The. (See Price, Albert O., assignor.)
- Prichard, Joseph. (See Darling, Samuel, assignor.)
- Pride, George H., New York, N. Y. Method and apparatus for handling materials. 1,973,098; Sept. 11.
- Pridgen, John B. (See Wentz, H. B., and Pridgen.)
- Pridham, Edwin S., assignor to The Magnavox Company, Oakland, Calif. Sound reproducing device. 1,953,542; Apr. 3.
- Pridham, James C. (See Pridham, John H. and J. C.)
- Pridham, John H. and J. C., Toronto, Ontario, Canada. Stretcher for hosiery driers. 1,952,511; Mar. 27.
- Priebe, Ernest B., Woodhaven, and H. Buchert, assignors of one-third to A. J. Wheeler, jr., New York, N. Y. Boiler furnace. 1,974,431; Sept. 25.
- Priebe, Herman C., deceased, Blue Island, Ill., T. H. Taylor, administrator. Draft gear. 1,946,178; Feb. 6.
- Priellipp, Walter, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Butt welded joint for sheet pilings. 1,968,220; July 31.
- Priellipp, Walther, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Sheet piling. 1,985,795; Dec. 25.
- Prier, Pierre, Paris, France. Protecting light metals against corrosion. 1,957,354; May 1.
- Prier, W. F. (See Dickson, John, assignor.)
- Priest, Dwight E., assignor to Parker Wire Goods Company, Worcester, Mass. Coping saw frame. 1,959,218; May 15.
- Priest, William C., Davenport, Iowa. Lens grinding machine. 1,979,489; Nov. 6.
- Prieto, Enrique F., Barcelona, Spain. Seal for securing wire and cord. 1,945,448; Jan. 30.
- Prifold, George, assignor to The Cott-a-Lap Company, Somerville, N. J. Surface ornamentation and apparatus for same. 1,944,528; Jan. 23.
- Prima Manufacturing Company. (See Waterworth, R. J., and O'Connor, assignors.)
- Prime, George C. (See Church, A. E., and Prime.)
- Prime Manufacturing Company. (See Ridderstrom, Andrew R., assignor.)
- Primrose, Donald L., Baltimore, Md. Display device. 1,947,920; Feb. 20.
- Primrose, George A., Oakland, Calif., assignor to General Motors Corporation, Detroit, Mich. Striping pencil. 1,944,368; Jan. 23.
- Primrose, John, Dongan Hills, N. Y., assignor to Foster Wheeler Corporation. Oil heater. 1,954,647; Apr. 10.
- Prina, Giuseppe, Turin, Italy. Combination lock. 1,983,773; Dec. 11.
- Prince, Adonis, et al. (See Louvier, Marius L., assignor.)
- Prince, Arthur E., Merrick, assignor to Otis Elevator Company, New York, N. Y. Guiding means for doors. 1,985,298; Dec. 25.
- Prince, Charles S., Washington, D. C. Automobile. Des. 92,019; Apr. 17.
- Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Cathode structure for mercury arc devices. 1,958,247; May 8.
- Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Control system. 1,976,461; Oct. 9.
- Prince, Earl S., Sterling, Ill. Ice cream cabinet. 1,947,571; Feb. 20.
- Prince, William E., Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical conductors. 1,948,238; Feb. 20.
- Prindville, Frank J. (See Brown, M., and Prindville.)
- Prindle, Frank P., assignor to The Stanley Works, New Britain, Conn. Electric band tightener. 1,963,593; June 19.
- Prindle, Frank P., assignor to The Stanley Works, New Britain, Conn. Seal for metal straps. 1,981,371; Nov. 20.
- Prindle, Karl E., Cleveland, Ohio, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Laminated material. 1,983,875; Dec. 11.
- Prins, Eugene C., and J. F. Lemmens, Dordrecht, Netherlands. Obtaining substances in purified condition by a special treatment with miscible liquids of different solvent power and volatility. 1,955,016; Apr. 17.
- Prins, Klaas. (See Hebley, H. F., and Prins.)
- Prins, Peter L., Hilversum, Netherlands. Elastic coupling for coaxial rotary parts. 1,952,564; Mar. 27.
- Prinz, August E., Chicago, Ill. Toy teeter-totter. 1,955,312; Apr. 17.
- Prinz, Dietrich. (See Runge, W., Muth, and Prinz.)
- Prinz, Dietrich, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter. 1,971,383; Aug. 28.
- Prinz, Dietrich, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray oscillograph. 1,977,999; Oct. 23.
- Prisciantelli, Lorenza, New York, N. Y. Game. 1,979,249; Aug. 14.
- Priscott, William T., assignor to The English Needle and Fishing Tackle Company Limited, Studley, England. Yarn clearer. 1,962,032; June 5.
- Pritchard, Alf, Coronado, Calif. Making automatic "change over" in moving picture apparatus. 1,972,904; Sept. 11.
- Pritchard, Franklin H. (See McNairy, J. W., and Pritchard.)
- Pritchard, William N. (See Moose, J. E., and Pritchard.)
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Measuring valve. 1,946,546; Feb. 13.
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Windshield operating mechanism. 1,964,482; June 26.
- Pritchett, Daniel S. (See Burnett, P. A., Fallis, and Pritchett.)
- Pritchett, Irving H., Petersburg, Va. Preparing means for mellowing beverages. 1,976,091; Oct. 9.
- Pritchett, Leo R., assignor of one-half to I. E. Uzzo, New Orleans, La. Electric wire fastening device. 1,976,371; Oct. 9.
- Pritchett, Leslie C. (See Hancock, R. S., and Pritchett.)
- Pritzkow, Edward, Passaic, N. J. Game. 1,953,631; Apr. 3.
- Probar Corporation. (See Strassner, F. J., and Whitmore, assignors.)
- Processco, Limited. (See Trumble, M. J., and Seeley, assignors.)

- Prochaska, Carroll W., Mount Vernon, N. Y., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston clamp. 1,942,569; Jan. 9.
- Prochaska, Carroll W., New York, N. Y., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Swaging tool for piston ring grooves. 1,984,155; Dec. 11.
- Procoff-Seversky, Alexander, New York, N. Y., assignor, by mesne assignments, to Seversky Aircraft Corporation. Testing apparatus. 1,953,043; Mar. 27.
- Procoff-Seversky, Alexander, New York, N. Y., assignor, by mesne assignments, to Seversky Aircraft Corporation. Amphibian landing gear for aircraft. 1,963,630; June 19.
- Proctor, Albert M., Chula Vista, Calif. Changing direct electric current into alternating current. 1,971,730; Aug. 28.
- Proctor, Alden A., Pleasantville, N. Y. Bird feeder. Des. 92,107; Apr. 24.
- Proctor, Barton A. (See Bundick, C. U., and Proctor.)
- Proctor, Barton A., Pelham, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Photographic apparatus. 1,944,033; Jan. 16.
- Proctor, Barton A., Pelham Manor, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Film handling apparatus. 1,944,035; Jan. 16.
- Proctor, Barton A., Pelham Manor, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Film handling apparatus. 1,944,036; Jan. 16.
- Proctor, Barton A., Pelham Manor, assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Film handling and apparatus therefor. 1,944,037; Jan. 16.
- Proctor, Barton A., Larchmont, N. Y., assignor, by mesne assignments, to Kinatome Patents Corporation. Repeat projecting machine. 1,944,034; Jan. 16.
- Proctor, Benjamin, 3d. (See Vachris, J. B., and Proctor.)
- Procter & Gamble Company, The. (See Burt, R. V., and Short, assignors.)
- Procter & Gamble Company, The. (See Eagen, Thomas S., assignor.)
- Procter & Gamble Company, The. (See Eckey, Eddy W., assignor.)
- Procter & Gamble Company, The. (See Hall, E., and Goertemiller, assignors.)
- Procter & Gamble Company, The. (See Kloeb, Charles G., assignor.)
- Procter & Gamble Company, The. (See Votaw, V. M., and Coith, assignor.)
- Proctor, George A., assignor of one half to G. H. Hyland, Los Angeles, Calif. Heating pad. Des. 91,840; Mar. 27.
- Proctor, John A., Lexington, Mass., assignor, by mesne assignments, to General Electric Company. Master switch. 1,950,515; Mar. 13.
- Proctor, John A., Lexington, Mass., assignor, by mesne assignments, to General Electric Company. Electrical condenser. 1,963,559; June 19.
- Proctor, John A., Lexington, Mass., assignor to Radio Corporation of America. Loop construction. 1,967,591; July 24.
- Proctor, Norman J. (See Cowles, Leo A. and W. F., and Proctor.)
- Proctor, Olin S., Long Beach, Calif. Deep oil well pump. 1,973,541; Sept. 11.
- Proctor, Robert V., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Valved coupling. 1,968,421; July 31.
- Proctor, Robert V., and W. T. Stephens, assignors to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Multiple control valve. 1,968,422; July 31.
- Proctor, Robert V., and C. B. Cushwa, assignors to The Commercial Shearing and Stamping Company, Youngstown, Ohio. 1,971,200; Aug. 21.
- Proctor & Schwartz Electric Company. (See Hurxthal, A. O., and Biddinger, assignors.)
- Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
- Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., and F. E., assignors.)
- Proctor & Schwartz, Incorporated. (See Kerst, Edgar B., assignor.)
- Proctor & Schwartz, Incorporated. (See Merrigan, W. J., jr., Tiers, and Wanamaker.)
- Proctor & Schwartz, Incorporated. (See Roberts, Joseph, assignor.)
- Proctor & Schwartz, Incorporated. (See Wanamaker, Harry F., assignor.)
- Production Engineering Company. (See Fournier, Emmanuel J., assignor.)
- Production Engineering Company. (See Oberhoffen, Alexander, assignor.)
- Production Engineering Company. (See Sinclair, William, assignor.)
- Production Machine Company. (See Howe, William S., assignor.)
- Products Protection Corporation. (See Knieszner, William T., assignor.)
- Products Protection Corporation. (See Lane, Raymond A., assignor.)
- Program Clock, Inc. (See Sanford, H. W., and Thomas, assignors.)
- Progressive Ring Company, The. (See Miller, John M., assignor.)
- Progressive Ring Company, The. (See Miller, J. M., and Fenton, assignors.)
- Progressive Service Company. (See Deubel, Carl G., assignor.)
- Projector G. m. b. H. (See Morsbach, K., and Steiner, assignors.)
- Projector G. m. b. H. (See Morsbach, L., Hettler, and Raschke, assignors.)
- Projector Improvement Company, Inc. (See Fuchs, C. A., and Spaloss, assignors.)
- Pro-Ker Laboratories, Inc. (See Nessler, Charles, assignor.)
- Pro-Phy-Lac-Tic Brush Company. (See Dike, George P., assignor.)
- Pro-Phy-Lac-Tic Brush Company. (See Elliott, William S., assignor.)
- Pro-Phy-Lac-Tic Brush Company. (See Parkhurst, Frederic A., assignor.)
- Pro-Phy-Lac-Tic Brush Company. (See Parkhurst, F. A., and Elliot, assignors.)
- Propp, Louis, assignor to Noma Electric Corporation, New York, N. Y. Electrical decorative illuminating device. 1,976,964; Oct. 16.
- Propp, M., Co. Inc., The. (See Propp, Morris, assignor.)
- Propp, Morris, assignor to The M. Propp Co. Inc., New York, N. Y. Electrical attachment fitting. 1,941,488; Jan. 2.
- Propp, Morris, Far Rockaway, assignor to The M. Propp Co. Inc., New York, N. Y. Electrical attachment fitting. 1,941,489; Jan. 2.
- Prosperity Company, The. (See Cimarik, C. K., and Zimarik, assignors.)
- Prosperity Company, The. (See Davis, Ernest, assignor.)
- Prosperity Company, The. (See Davis, E., and Kienzie, assignors.)
- Prosperity Company, The. (See Ledbetter, James C., assignor.)
- Prosperity Company, The. (See Schremp, Edward J., assignor.)
- Prosperity Company, The. (See Zimarik, John, assignor.)
- Prosperity Company Inc., The. (See Daly, Joseph P., assignor.)
- Prosperity Company Inc., The. (See Davis, Ernest, assignor.)
- Prosperity Company Inc., The. (See Hutchings, Walter B., assignor.)
- Prosperity Company Inc., The. (See Winnewisser, Emil A., assignor.)
- Prosperity Company Inc., The. (See Zimarik, L., and Cimarik, assignors.)
- Prosser, Alfred L., Brooklyn, N. Y. Hair dressing device. 1,968,261; July 31.
- Prosser, Alfred L., Brooklyn, N. Y. Method and device for hair dressing. 1,968,262; July 31.
- Prosser, Thomas W., and J. H. Wahlbeck, Kankakee, assignors to Paramount Textile Machinery Co., Chicago, Ill. Hosiery drying form. 1,942,448; Jan. 9.
- Prosser, Thomas W., and J. H. Wahlbeck, Kankakee, assignors to Paramount Textile Machinery Co., Chicago, Ill. Hosiery drying apparatus. 1,942,729; Jan. 9.
- Prosser, Thomas W., and J. H. Wahlbeck, Kankakee, assignors to Paramount Textile Machinery Company, Chicago, Ill. Hosiery drying form. 1,980,547; Nov. 13.
- Prost, Edward G., San Francisco, Calif. Latch. 1,951,623; Mar. 20.
- Protectoglass Limited. (See Bonniksen, Cyril W., assignor.)
- Protectosol Company of America. (See Anschicks, Rudolph J., assignor.)
- Prothmann, Konrad. (See Reiss-Schmidt, Ernst, assignor.)
- Protin, Edward J., Charleroi, assignor, by mesne assignments, to Pittsburgh Steel Company, Pittsburgh, Pa. Pipe joint. 1,942,518; Jan. 9.
- Protz, William C., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis. Scouring device. 1,963,529; June 19.
- Protzeller, Harry W., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Scarifier. 1,951,166; Mar. 13.
- Proudfit, Ransom C. (See Werness, L. J., and Proudft.)
- Proulx, August E. (See Isola, Raymond O., assignor.)
- Proulx, Jean, Gatineau Point, Quebec, Canada. Suction box top for a paper making machine. 1,977,352; Oct. 16.
- Prout, Benjamin H., assignor to International Silver Company, Meriden, Conn. Chest for silverware or the like. Des. 93,573; Oct. 9.
- Prouty, Harris G., and J. Bardwell, Whitman, Mass. Cotton picking mechanism. 1,953,313; Apr. 3.
- Prouty, Theodore C., deceased, by W. O. Prouty, administrator, Hermosa Beach, and D. R. Trinkle, assignors, by mesne assignments, to Metlox Corporation, Ltd., Manhattan Beach, Calif. Vehicle steering mechanism. 1,956,877; May 1.
- Prouty, Willis O., administrator. (See Prouty, T. C., and Trinkle.)
- Prouty, Willis O., Hermosa Beach, Calif. Razor blade sharpener. Des. 91,368; Jan. 16.
- Prouty, Willis O., Hermosa Beach, assignor, by mesne assignments, to Proutyline Products Co., Manhattan Beach, Calif. Luminous display device. 1,942,877; Jan. 9.

- Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Luminous tube sign. 1,943,772; Jan. 16.
- Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Marquise structure. 1,948,768; Feb. 27.
- Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Luminous tube mounting. 1,956,103; Apr. 24.
- Prouty, Willis O., Hermosa Beach, assignor, by mesne assignments, to Proutyline Products Co., Manhattan Beach, Calif. System for producing ultraviolet radiations. 1,965,947; July 10.
- Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Theater marquis. 1,984,986; Dec. 18.
- Proutyline Products Co. (See Prouty, Willis O., assignor.)
- Provance, Davis A., Adah, Pa. Adjustable form for constructing concrete piers. 1,951,949; Mar. 20.
- Provence, Herbert H., Greenville, S. C. Cloth winding board. 1,977,144; Oct. 16.
- Providence Braid Company. (See Peterson, Oscar W., assignor.)
- Provident Trust Company of Philadelphia. (See Myers, Lewis H., assignor.)
- Provident Trust Company of Philadelphia, et al., executors. (See Chance, Thomas M.)
- Prøyme, Reinart, Oslo, Norway. Toe iron for ski ties. 1,973,444; Sept. 11.
- Prucha, Emil A., River Forest, Ill. Dual compartment bag. 1,975,404; Oct. 2.
- Pruett, George L. (See Ober, B., Pruett, Pagon, and Troxell.)
- Prüfer, Heinrich, and K. Dulik, Vienna, Austria. Light-sensitive layer. 1,964,136; June 26.
- Pruitt, Harvey E., Flint, Mich. Nut tapping machine. 1,954,747; Apr. 10.
- Pruneau, Wilfrid, Almatville, Quebec, Canada. Drainage control. 1,941,578; Jan. 2.
- Prusa, Frank, Congress Park, Ill. Single wheel axle. 1,981,325; Nov. 20.
- Prussing, Walter, Brooklyn, N. Y. Printing plate for collapsible tubes. 1,947,170; Feb. 13.
- Prussing, Walter, Brooklyn, N. Y. Tube making, capping, printing, and enameling machine. 1,947,171; Feb. 13.
- Prussing, Walter, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Collapsible tube machine. 1,963,280; June 19.
- Prutton, Carl F., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Phenoplastic and preparing same. 1,950,516; Mar. 13.
- Prutton, Carl F., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Crystallizing calcium chloride. 1,966,832; July 17.
- Pruzman, Paul W. (See Wheeler, R. C., and Prutzman.)
- Pruyn, Samuel R., Chicago, Ill. Pen. 1,953,976; Apr. 10.
- Pruzan, Barney. (See Bebel, A., and Pruzan.)
- Prvale, Harry M., Pontiac, Mich., assignor to Baldwin Rubber Company. Rubber floor mat. Des. 93,735; Oct. 30.
- Prvale, Harry M., Pontiac, Mich., assignor to Baldwin Rubber Company. Saddle seat. 1,975,405; Oct. 2.
- Pryde, David, Aspinwall, assignor to Superior Steel Corporation, Pittsburgh, Pa. Making bimetallic articles. 1,959,925; May 22.
- Pryor, Clarence E., Elizabeth, N. J. Combined snap switch for flash lights. 1,977,086; Oct. 16.
- Pryor, Millard H., assignor to The Independent Stove Company, Owosso, Mich. Range top. Des. 91,907; Apr. 3.
- Przywiecki, Theodore I., assignor to Teletype Corporation, Chicago, Ill. Translating device. 1,968,056; July 31.
- Psorakes, Paul, and G. Hallien, Uniontown, Pa. Shoe machine. 1,944,015; Jan. 16.
- Public, Dedicated to the free use of the. (See Funke Fred W., assignor.)
- Public, Dedicated to free use of. (See Hartley, Charles P., assignor.)
- Public, Dedicated to the free use of the. (See McDonald, R. E., and Scholl, assignors.)
- Public, Dedicated to the free use of the. (See Paine, H. S., Kingsbury, and Yanovsky, assignors.)
- Public, Dedicated to the free use of the. (See Swenson, Roy L., assignor.)
- Public, Dedicated to the free use of the. (See Tiemann, Harry D., assignor.)
- Public, Free use of the. (See Gemmer, Eugene W.)
- Public, Free use of the. (See Haller, H. L. J., and Schaffer, assignors.)
- Public, Free use of the. (See Hardy, John I.)
- Public, Free use of the. (See McNamara, H. C., and Stutts.)
- Public, Free use of the. (See Metzger, Frederick W.)
- Public, Free use of the. (See Wheeler, Walter C., assignor.)
- Public of the United States of America, dedicated to the free use of the. (See Reineke, Lester H., assignor.)
- Public of the United States of America, Dedicated to the free use of the. (See Spencer, H., and Brown, assignors.)
- Puc, Vojtěch, Prague, assignor to Waldes & Co., Prague-Vrsovice, Czechoslovakia. Slider for separable fasteners. 1,977,523; Oct. 16.
- Puccinelli, Romolo L., San Francisco, assignor to Chapman Dehydrator Company, Modesto, Calif. Dehydrator. Re19,342; Oct. 16.
- Puckett, Charles C., Harlingen, Tex. Automobile gear shift lever knob. Des. 94,048; Dec. 11.
- Puckett, William H. H., Chicago, Ill. Fishing rod holder. 1,967,427; July 24.
- Puckle, Owen S., Sydenham, London, England, assignor to Radio Corporation of America. High-frequency radio-signaling apparatus. 1,941,543; Jan. 2.
- Pudan, Herbert W., Los Angeles, Calif. Rock crushing machine. 1,962,462; June 12.
- Pudan, Herbert W., Los Angeles, Calif. Rock sizing and crushing machine. 1,978,000; Oct. 23.
- Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Time switch mechanism. 1,943,878; Jan. 16.
- Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Electricity meter. 1,947,737; Feb. 20.
- Puder, Paul. (See Broemme, F., and Puder.)
- Pudliner, John, assignor to Brey & Krause Manufacturing Company, Allentown, Pa. Hinge. Des. 92,625; June 26.
- Puffer Hubbard Mfg. Co. (See Long, Charles E., assignor.)
- Puffer, Samuel R. (See Moss, S. A., Puffer, and Reeves.)
- Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Lubrication of high-speed gears and ball bearings. 1,974,974; Sept. 25.
- Puget, Jules, Albi, France. Organ. 1,969,424; Aug. 7.
- Pugh, Alexander L., jr., Pomona, N. Y., assignor to International Resistance Company, Philadelphia, Pa. Resistance device. 1,970,149; Aug. 14.
- Pugh, Alexander L., jr., Pomona, N. Y., assignor to International Resistance Company, Philadelphia, Pa. Resistor. 1,976,514; Oct. 9.
- Pugh, Alexander L., jr., Pomona, N. Y., assignor to International Resistance Company, Philadelphia, Pa. Resistor. 1,985,691; Dec. 25.
- Pugh, Emerson, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating materials. 1,947,545; Feb. 20.
- Pugh, John D., Baltimore, Md. Hot metal car. 1,969,325; Aug. 7.
- Pugh, John D., Baltimore, Md. Forging tapered articles. 1,981,326; Nov. 20.
- Pugh, John T. (See Sebring, F. H., jr., Loschky, and Pugh.)
- Pugnet, Paul, Paris, France. Grip fastening for suspenders for hose. 1,950,064; Mar. 6.
- Pujol, Avelino T., Barcelona, Spain. Weft feeding shuttle for automatic looms. 1,973,356; Sept. 11.
- Pulaski, Samuel. (See De Samelson, P., Pulaski, and Kreher.)
- Pulkinghorn, William R., Los Angeles, Calif. Electrically operated automatic fuel control device for internal combustion engines. 1,968,653; July 31.
- Pullelean Manufacturing Corporation. (See Addler, Joseph H., assignor.)
- Pullelean Manufacturing Corporation. (See Addler, J. H., and Crowson, assignors.)
- Pullen, Harry, Easton, assignor to Fireside Players, Incorporated, Baltimore, Md. Musical instrument. Des. 94,161; Dec. 25.
- Pullen, Lester T., Bridgeport, assignor to The Turner and Seymour Manufacturing Company, Torrington, Conn. Egg beater. 1,953,722; Apr. 3.
- Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match package. 1,947,111; Feb. 13.
- Pullen, Rodney S., Akron, Ohio, assignor to Pullentite Company, Philadelphia, Pa. Match package. 1,958,067; May 8.
- Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match packet. 1,966,932; July 17.
- Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Combined cigarette and match package. 1,975,732; Oct. 2.
- Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match packet. 1,982,176; Nov. 27.
- Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Striking material for matches. 1,984,316; Dec. 11.
- Pullen, Rodney S., assignor to Pullenlite Company, Philadelphia, Pa. Internal scratcher for match boxes. 1,985,837; Dec. 25.
- Pullenlite Company. (See Pullen, Rodney S., assignor.)
- Pulles, Cornelis A. J. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemse.)
- Pulliam, Richard A. (See Fraley, Louis, assignor.)
- Pullman Car & Manufacturing Corporation. (See Banning, Thomas A., jr., assignor.)
- Pullman Car & Manufacturing Corporation. (See Blomberg, M. P., and Mussey, assignors.)
- Pullman Car & Manufacturing Corporation. (See Mussey, William H., assignor.)
- Pullman Company, The. (See Marshall, Frank O., assignor.)
- Pulsometer Engineering Company Limited, The. (See Warren, Reginald, assignor.)
- Pulvis Aktiengesellschaft. (See Liffander, Johan O., assignor.)
- Pulvis Aktiengesellschaft. (See Rudqvist, Carl A., assignor.)
- Pulvis Aktiengesellschaft. (See Schweich, Roger, assignor.)
- Pulvis Aktiengesellschaft. (See Whiteside, Arthur L., assignor.)

- Pump, Ernst, Hamburg, Germany.** Process and machine for manufacturing tubes. 1,941,953; Jan. 2.
- Pumphrey, George C., Washington, D. C.** Washboard attachment for bathtubs. 1,970,898; Aug. 21.
- Punga, Franklin, Villenkolonie Eberstadt, near Darmstadt, and H. Roos, Allensbach-on-the-Bodensee, Germany.** Formed half coil for the excitation of rotating field magnets. 1,950,268; Mar. 6.
- Pungs, Wilhelm.** (See Luther, M., Pungs, Griessbach, and Heuck.)
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany.** Production of high-quality wax-like substances. 1,942,833; Jan. 9.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany.** Production of candles. 1,950,813; Mar. 13.
- Pungs, Wilhelm, Cologne, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany.** Production of candles. 1,950,814; Mar. 13.
- Pungs, Wilhelm, K. Eisenmann, and E. Scholz, Ludwigshafen-on-the-Rhine, and T. Kollmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany.** Production of artificial masses. 1,963,762; June 19.
- Pungs, Wilhelm, and K. Eisenmann, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Unyte Corporation, New York, N. Y.** Condensation process yielding artificial masses of the urea formaldehyde type. 1,967,685; July 24.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany.** Production of waxy products. 1,971,305; Aug. 21.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and H. Freytag, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany.** Reesterification of natural waxes and the product thereof. 1,972,459; Sept. 4.
- Pungs, Wilhelm, and K. Eisenmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany.** Manufacture of coatings and the like artificial masses. 1,982,881; Dec. 4.
- Pungs, Wilhelm, Cologne-on-the-Rhine, M. Jahrstorfer, Mannheim-on-the-Rhine, and T. Hellthaler, Granschütz, near Weissenfels, assignors to A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle (Saale), Germany.** Treating Montan wax. 1,985,871; Dec. 25.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich.** Vehicle body construction. 1,966,968; July 17.
- Punnett, Elton B., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y.** Catalytic oxidation of organic compounds and catalyst therefor. 1,978,506; Oct. 30.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Valve closed metal container. 1,950,325; Mar. 6.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Valve closed metal container. 1,950,326; Mar. 6.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Valve closed metal container. 1,950,327; Mar. 6.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Dispensing can. 1,962,284; June 12.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Display container. 1,974,996; Sept. 25.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Rip strip key and attaching means for containers. 1,979,172; Oct. 30.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Oil dispensing device. 1,980,433; Nov. 13.
- Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y.** Combined spout and closure for containers. 1,984,597; Dec. 18.
- Punte, William F., and C. J. Aulbach, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y.** Metal container. 1,954,748; Apr. 10.
- Pupin, Michael I., Norfolk, Conn., assignor to Westinghouse Electric & Manufacturing Company.** Supply system for vacuum tubes. 1,983,774; Dec. 11.
- Purcell, Henry T., Norwood, Mass.** Oil burning apparatus. 1,981,248; Nov. 20.
- Purcell, John, Chicago, Ill.** Coupler support wear plate. 1,954,537; Apr. 10.
- Purcell, John, Chicago, Ill., and H. E. Muchnic, Atchison, Kans.** Dumping car construction. 1,958,549; May 15.
- Purcell, Thomas E.** (See Hayward, A. P., and Purcell.)
- Purcell, William F.** (See Hahn, A. W., Jr., and Purcell.)
- Purcell, William F.** (See Smith, D. F., and Purcell.)
- Purdie, John C., Chicago, Ill.** Valve construction. 1,953,501; Apr. 3.
- Purdie, John C., Chicago, Ill.** Spraying device. 1,961,080; June 26.
- Purdin, Charles O.** (See Miller, B. F., and Starbard, assignors.)
- Purdue Research Foundation.** (See Brewer, P. H., and Kraybill, assignors.)
- Purdue Research Foundation.** (See Hass, H. B., Hodge, and Vanderbilt, assignors.)
- Purdue Research Foundation.** (See Hass, H. B., and Weston, assignors.)
- Purdue Research Foundation.** (See Ross, David E., assignor.)
- Purdum, Edith, Cincinnati, Ohio.** Carton. 1,951,204; Mar. 13.
- Purdy, Charles G., deceased, Brooklyn, N. Y., M. H. Purdy, executrix.** Exercising device. 1,953,088; Apr. 8.
- Purdy, Charles H., New York, N. Y.** Bakery equipment and using the same. 1,955,655; Apr. 17.
- Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y.** Material winding machine. Re19,320; Sept. 18.
- Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y.** Material winding machine. 1,952,606; Mar. 27.
- Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y.** Condenser winding machine. 1,963,881; June 19.
- Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y.** Article conveying apparatus. 1,977,696; Oct. 23.
- Purdy, Chester A., Oak Park, Ill., and R. E. Park, Jr., Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y.** Apparatus for testing and sorting articles. 1,984,031; Dec. 11.
- Purdy, Emmett G., Detroit, Mich., assignor to Detroit Body Die Company.** Motor vehicle. 1,944,668; Jan. 23.
- Purdy, Emmett G., Detroit, Mich., assignor to Detroit Body Die Company.** Reel. 1,944,669; Jan. 23.
- Purdy, Emmett G., Detroit, Mich., assignor to Detroit Body Die Company.** Motor vehicle. 1,984,546; Dec. 18.
- Purdy, Frederick, Batavia, Ill.** Accelerating device. 1,977,288; Oct. 16.
- Purdy, Kendall, Amityville, N. Y.** Automatic time control system for radio receiving apparatus. 1,948,672; Feb. 27.
- Purdy, Maud H., executrix.** (See Purdy, Charles G.)
- Pure Oil Company, The.** (See Atcheson, Windsor K., assignor.)
- Pure Oil Company, The.** (See Harnsberger, A. E., and Smith, assignors.)
- Pure Oil Company, The.** (See Meyer, Richard T., assignor.)
- Pure Oil Company, The.** (See Osterstrom, Rudolph C., assignor.)
- Pure Oil Company, The.** (See Osterstrom, R. C., and Wagner, assignors.)
- Pure Oil Company, The.** (See Wagner, Cary R., assignor.)
- Pure Water Systems, Inc.** (See Thornburgh, J. C., and Cason, assignors.)
- Purinton, Ellison S., Gloucester, Mass., assignor to J. H. Hammond, Jr.** Impedance control synchronization. 1,963,246; June 19.
- Purinton, Ellison S., Gloucester, Mass., assignor to John Hays Hammond, Jr.** Modulation system. 1,984,156; Dec. 11.
- Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn.** Ash tray. Des. 92,626; June 26.
- Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn.** Box for cosmetics and the like. 1,969,673; Aug. 7.
- Puritan Manufacturing Company.** (See Poole, Jesse V., assignor.)
- Puritan Rubber Manufacturing Company.** (See Hindley, Frank, assignor.)
- Purity Bakeries Service Corporation.** (See McCarthy, Daniel C., assignor.)
- Purnell, William H., Ocean City, Md.** Outdoor bowling alley. 1,965,055; July 3.
- Puro Company, The.** (See Saeks, Alvin L., assignor.)
- Purpura, August C., Chicago, Ill.** Automatic choke control for internal combustion engines. 1,957,289; May 1.
- Pursell, Henry E.** (See Histed, James E., assignor.)
- Purtell, William A., Hartford, Conn., assignor to The Holokrome Screw Corporation.** Cold formed socketed or hollow screw and method of and apparatus for making the same. 1,978,371; Oct. 23.
- Purtell, William A., Hartford, Conn., assignor to The Holokrome Screw Corporation.** Hollow set screw and method of and apparatus for making the same. 1,978,372; Oct. 23.
- Purves, Fred R., San Diego, Calif.** Inkwell attachment for desks. 1,972,202; Sept. 4.
- Purvin, Benjamin R., assignor to Cincinnati Grinders Incorporated, Cleveland, Ohio.** Grinding machine. 1,952,182; Mar. 27.
- Purvin, Benjamin R., Cleveland, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio.** Grinding machine. 1,976,035; Oct. 9.
- Purvis, Leonard L.** (See Waters, W. C., Purvis, and Taylor.)
- Purvis, Walter M.** (See Wooten, John E., assignor.)
- Pusch, Frederick A., Brooklyn, N. Y.** Fabric cleaner. 1,961,911; June 5.
- Puterbaugh, Jack W., Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company.** Fruit juice extractor. 1,955,975; Apr. 24.
- Putman, Solomon, Newark, N. J.** Buckle. Des. 92,766; July 10.
- Putman, Solomon, Newark, N. J.** Buckle. Des. 92,767; July 10.

- Putnam, Solomon, Newark, N. J. Buckle. Des. 92,768; July 10.
- Putnam, Solomon, Newark, N. J. Buckle. Des. 92,769; July 10.
- Putnam, Solomon, Newark, N. J. Buckle. Des. 93,420; Sept. 25.
- Putnam, Solomon, Newark, N. J. Buckle. Des. 93,421; Sept. 25.
- Putnam, Solomon, Newark, N. J. Buckle. Des. 93,518; Oct. 2.
- Putnam, Solomon, Newark, N. J. Buckle. Des. 94,162; Dec. 25.
- Putnam, Carrie B., executrix. (See Putnam, William H. and H.)
- Putnam, Claude A., Keene, and C. H. Cheeseman, Marlboro, assignors to Markem Machine Company, Keene, N. H. Type holder for marking machines. 1,953,632; Apr. 3.
- Putnam, Fred A., Keene, and C. H. Cheeseman, Marlboro, assignors to Markem Machine Company, Keene, N. H. Marking machine. 1,956,300; Apr. 24.
- Putnam, Fred A., Keene, and C. H. Cheeseman, Marlboro, assignors to Markem Machine Company, Keene, N. H. Marking machine. 1,978,225; Oct. 23.
- Putnam, George F., Goodrich, Mich. Roller abstractor. 1,941,756; Jan. 2.
- Putnam, Hamilton. (See Putnam, William H. and H.)
- Putnam, James I., assignor, by mesne assignments, to A. W. Haydon, Waterbury, Conn. Subynchronous electric motor. 1,967,782; July 24.
- Putnam, Joseph F. (See McDonald, C. S., Putnam, and McHale.)
- Putnam, Joseph F., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Preventing corrosion of metallic objects. 1,948,007; Feb. 20.
- Putnam, Joseph F., Berkeley, and E. R. Abbe, Richmond, assignors, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Demonstration apparatus. 1,977,244; Oct. 16.
- Putnam, Samuel. (See Willard, Donald E., assignor.)
- Putnam, William H. and H., Ridgefield, N. J.; C. B. Putnam, executrix of W. H. Putnam, deceased. Electric switch. 1,968,568; July 31.
- Putnam, Willis E., Worcester, Mass. Clothes drier. 1,950,997; Mar. 13.
- Putney, Charles L., Philadelphia, assignor to B. F. Argile, Ardley, Pa. Automatic driving mechanism. 1,969,990; Aug. 14.
- Putt, Harlie O., assignor to The Adlake Company, Elkhart, Ind. Mercury switch. 1,967,259; July 24.
- Putz, George, San Francisco, Calif. Beer regulating and cooling apparatus. 1,980,877; Nov. 13.
- Pützer, Bruno. (See Glemsa, G., Oesterlin, and Pützer.)
- Pykosz, John, Chicago, Ill. Smoke consumer. 1,976,372; Oct. 9.
- Pyle, Eleander A., Jamestown, Ind. Apparatus for handling and dispensing materials. 1,961,984; June 5.
- Pyle, Leslie R., assignor to Locomotive Firebox Company, Chicago, Ill. Spark arrester. 1,982,691; Dec. 4.
- Pym, Arthur F. (See Pym, Charles F. and A. F.)
- Pym, Arthur F. (See Sibley, C. R., and Pym.)
- Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Means for use in the manufacture of shoes. 1,968,167; July 31.
- Pym, Arthur F., Beach Bluff, assignor to Sibley-Pym Corporation, Lynn, Mass. Winding balls. 1,974,508; Sept. 25.
- Pym, Arthur F., Swampscott, and A. R. Schoenky, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,976,036; Oct. 9.
- Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,943,344; Jan. 16.
- Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,951,372; Mar. 20.
- Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,951,373; Mar. 20.
- Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,951,374; Mar. 20.
- Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Holding shoe uppers in lasted position. 1,968,170; July 31.
- Pym, Charles F., Beverly, and A. F. Pym, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,980,435; Nov. 13.
- Pyott, Elizabeth, Hazel Park, Mich. Jar closure. 1,951,559; Mar. 20.
- Pyro Products Corporation. (See Hinsky, Anthony P., assignor.)
- Pyroxylin Products, Inc. (See Trolander, E. W., and Wilson, assignors.)
- Pythchley, Autocar Company, Limited, The. (See Mobbs, Richard O., assignor.)
- Pyzel, Daniel, Piedmont, assignor to Shell Development Company, San Francisco, Calif. Process and apparatus for the production of ammonia. 1,957,849; May 8.
- Pyzel, Daniel, Piedmont, assignor to Shell Development Company, San Francisco, Calif. Removal of acetylene. 1,985,548; Dec. 25.
- Pyzel, Frederic M., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Thermal decomposition of hydrocarbons. 1,983,992; Dec. 11.
- Pyzel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of vapor-gas mixtures. 1,948,595; Feb. 27.
- Pyzel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,981,150; Nov. 20.
- Quabaug Rubber Company. (See Mason, Herbert T., assignor.)
- Quabaug Rubber Company. (See Walker, Roland E., assignor.)
- Quackenboss, Frederick W., Kansas City, Mo. Packing carton. 1,985,549; Dec. 25.
- Quackenbush, Henry M., Herkimer, N. Y. Bowl. 1,945,995; Feb. 6.
- Quackenbush, Stephen V. P., Scranton, Pa. Garment. 1,971,622; Aug. 28.
- Quade, Kenneth G. (See La Bombard, L. E., and Quade.)
- Quadrex Corporation, The. (See Leathers, Ward, assignor.)
- Quadt, John W., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Composite matrix for slug casting machines. 1,952,820; Mar. 27.
- Quaker City Iron Works. (See Jensen, James A., assignor.)
- Quaker Hosiery Company. (See Goetsch, G. W., and Smetana, assignors.)
- Quaker Lace Company. (See Hooven, Howard D., jr., assignor.)
- Quaker Lace Company. (See Otto, Ferdinand P., assignor.)
- Quaker Lace Company. (See Waterfield, James, assignor.)
- Quaker Lace Company. (See Wolf, William, assignor.)
- Quaker Lace Company Incorporated. (See Hooven, Howard D., jr., assignor.)
- Quaker Lace Company Incorporated. (See Miller, Walter C., assignor.)
- Quaker Lace Company Incorporated. (See Otto, Ferdinand P., assignor.)
- Quaker Lace Company Incorporated. (See Waterfield, James, assignor.)
- Quaker Lace Company Incorporated. (See Wolf, William, assignor.)
- Quaker Manufacturing Company. (See Howard, David J., assignor.)
- Quaker Oats Company, The. (See Scott, Allan M., assignor.)
- Quality Park Envelope Co. (See Hart, Ernest E., assignor.)
- Quality Park Envelope Co. (See Olm, Oscar J., assignor.)
- Quam, James P., Chicago, Ill. Juice extractor. 1,971,657; Aug. 28.
- Quante, Wilhelm, Wuppertal-Elberfeld, Germany. Drip collector for glasses and the like. 1,953,723; Apr. 3.
- Quante, Wilhelm, Wuppertal-Elberfeld, Germany. Double throw switch. 1,957,666; May 8.
- Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preserving poles. 1,981,664; Nov. 20.
- Quarles, Lawrence R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,944,756; Jan. 23.
- Quarles, Lawrence R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Light relay. 1,977,353; Oct. 16.
- Quarles, Lawrence R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phototube control of grid-glow tubes. 1,984,987; Dec. 18.
- Quarnstrom, Bert L., Grosse Pointe Park, assignor to Bundy Tubing Company, Detroit, Mich. Uniting metals and compound metal article. 1,949,623; Mar. 6.
- Quarnstrom, Bert L., assignor to Bundy Tubing Company, Detroit, Mich. Tube coupling. 1,961,453; June 5.
- Quarnstrom, Bert L., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for welding with copper. 1,976,092; Oct. 9.
- Quarnstrom, Theodore V., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Package. 1,984,760; Dec. 18.
- Quartorone, Paul. (See Rubini, W., and Quartorone.)
- Quartz, William N., Pittsburgh, and W. J. Bannen, Oakmont, assignors to Power Piping Company, Pittsburgh, Pa. Pipe bend and method and apparatus for making the same. 1,958,447; May 15.
- Quast, Otto K., Spokane, Wash. Rotary vacuum wing or propeller for use on air, land, and water vehicles. 1,966,461; July 17.
- Quast, William, Chicago, Ill. Automobile signal. 1,960,921; May 29.
- Quatraro, Vincent, Garfield, N. J. Combined portable school desk and seat. 1,979,173; Oct. 30.
- Queen, Harold E. (See Replogle, D. B., and Queen.)
- Queeny, Donald H., Plainfield, N. J. Control for electric trains. 1,982,692; Dec. 4.
- Quehl, Richard G., assignor to The Strong-Scott Mfg. Co., Minneapolis, Minn. Feed mixing machine. 1,948,871; Feb. 27.
- Queneau, Augustin L. J., New York, N. Y. Manufacture of pressure molded refractory articles. 1,975,800; Oct. 9.
- Quereau, John F., assignor to Leeds & Northrup Company, Philadelphia, Pa. Fluid sampling system. 1,967,428; July 24.

- Querfurth, Wilhelm, Constance, assignor, by mesne assignments, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of ketones. 1,961,912; June 5.
- Quevrain, Hippolyte. (See Quevrain, Léon and H.)
- Quevrain, Léon, and H. Quevrain, Paris, France. Change speed gear. 1,943,396; Jan. 16.
- Quichon, Paul, assignor to Compagnie des Forges de Chatillon Commentry & Neuves-Maisons, Paris, France. Rough turning in the lathe or similar machine tool. 1,976,459; Oct. 9.
- Quick, Cecil G., Eltham, London, and W. A. Whithead, Southall, England, assignors to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Web cutting and sheet forwarding mechanism. 1,941,754; Jan. 2.
- Quick, Cecil G., Eltham, London, C. W. Marshall, Brixton, London, D. A. Ball, Beckenham, and W. A. Whitehead, Southall, England, assignors to Irving Trust Company, receiver in equity for R. Hoe & Co., Inc., New York, N. Y. Delivery mechanism for printing machines. 1,955,514; Apr. 17.
- Quick, Cecil G., Eltham, London, and C. W. Marshall, Brixton, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Delivery mechanism for use in printing machines. 1,972,460; Sept. 4.
- Quick, Cecil G., D. A. Ball, and W. A. Whitehead, London, England, assignors to Irving Trust Company, temporary trustee for R. Hoe & Co., Inc., New York, N. Y. Delivery mechanism. 1,985,547; Dec. 25.
- Quick, Joseph D., and G. F. Mack, Binghamton, N. Y. Setting hides. 1,983,001; Dec. 4.
- Quick, Paul H., and E. W. Simpson, assignors to Kingsboro Silk Mills, Gloversville, N. Y. Stop motion for warp knitting machines. 1,971,427; Aug. 28.
- Quieta-Werke Alfred Kasper. (See Closmann, Eduard A., assignor.)
- Quigan, Frank J., Jackson Heights, N. Y., assignor to Frank J. Quigan Company, Inc. Frame for multi-compartment hand bags. 1,952,183; Mar. 27.
- Quigan, Frank J., Company, Inc. (See Quigan, Frank J., assignor.)
- Quiggins, John P. (See Gallaher, J. C., and Quiggins.)
- Quigley Company. (See Quigley, Wirt S., assignor.)
- Quigley, Hugh T., Philadelphia, Pa. Ink double-rolling control. 1,942,490; Jan. 9.
- Quigley, James C., Homer City, Pa. Cotton separating machine. 1,961,431; June 5.
- Quigley, James C., Homer City, Pa. Cotton separating machine. 1,961,432; June 5.
- Quigley, W. A. (See Goble, Bert G., assignor.)
- Quigley, Wirt S., New York, N. Y., assignor to Quigley Company, Inc. Display apparatus. 1,945,072; Jan. 30.
- Quijano, Jorge, Mexico, Mexico. Calculator. 1,941,911; Jan. 2.
- Quillen, Edgar M., and W. J. Billerbeck, assignors to Titus Nursery Company, Waynesboro, Va. Preparing nursery products for transplanting, compound, and package therefor. 1,964,689; June 26.
- Quimby, Allen, assignor to Northern Main Plywood Company, Portland, Maine. Barrel construction. 1,956,928; May 1.
- Quimby, Allen, Portland, and S. J. Antworth, Houlton, assignors to Northern Maine Plywood Company, Portland, Maine. Plywood container. 1,981,466; Nov. 20.
- Quimby, Allen, Portland, and S. J. Antworth, Houlton, assignors to Northern Maine Plywood Company, Portland, Maine. Plywood container. 1,982,233; Nov. 27.
- Quimby, Ralph A. (See Taylor, E. M., Quimby and Lipard.)
- Quinby, George B., Medford, assignor to Blake Electric Mfg. Company, Boston, Mass. Apparatus for handling webs of cloth. 1,945,981; Feb. 6.
- Quincy Stove Manufacturing Company, The. (See Lange, Henry, assignor.)
- Quine, Rose B., Newton, Mass. Corset. 1,942,038; Jan. 2.
- Quinlan, John H., Newburgh, N. Y. Table top. 1,952,775; Mar. 27.
- Quinlan, John H., Newburgh, N. Y. Cooking utensil. 1,952,776; Mar. 27.
- Quinlan, John P., Stratford, and H. Weide, Fairfield, Conn.; said Weide assignor to said Quinlan. Flexible ventilator. 1,972,274; Sept. 4.
- Quinn, Ada, Ogden, Utah. Apron. Des. 91,841; Mar. 27.
- Quinn, Charles C., and H. Edgerton, assignors to Quinn Wire & Iron Works, Boone, Iowa. Concrete pipe making machine. 1,983,775; Dec. 11.
- Quinn, Clara E. (See Lassiter, J. R., Quinn, and Lapham.)
- Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Clutch operating mechanism. 1,982,925; Dec. 4.
- Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Operating mechanism for clutches and the like. 1,982,926; Dec. 4.
- Quinn, Francis P., Havelock, Ontario, Canada. Wheel coupling device. 1,950,998; Mar. 13.
- Quinn, John R., assignor, by mesne assignments, of one half to W. S. MacFarland, A. MacFarland, and E. L. Tompkins, Los Angeles, and one half to Herman Miller, South Pasadena, Calif. Fire extinguisher. 1,943,186; Jan. 9.
- Quinn, John F., Bristol, S. Dak. Jack. 1,964,173; June 26.
- Quinn, Robert S., Steubenville, Ohio. Guard device for moving structures. 1,973,445; Sept. 11.
- Quinn, Thomas W., Drexel Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Removal of wax from oil. 1,963,175; June 19.
- Quinn Wire & Iron Works. (See Quinn, C. C., and Edgerton, assignors.)
- Quintavalle, Umberto, assignor to Fabbrica Italiana Magneti Marelli, Società Anonima, Milan, Italy. Flexible coupling. 1,943,942; Jan. 16.
- Quinte, Michael S., Burbank, Calif. Changeable exhibitor. 1,980,548; Nov. 13.
- Quintilian, Bartholomew F., Baltimore, Md., assignor to May Oil Burner Corporation. Mechanism for actuating closing device. 1,952,821; Mar. 27.
- Quinton, Ernest E., Heath, near Sutton Coldfield, England, assignor to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Method and apparatus for mixing and working of rubber. 1,963,503; June 19.
- Quirey, Hal M. (See Ball, J. F., and Quirey.)
- Quirk, James F., Milwaukee, Wis. Shipping case. 1,983,876; Dec. 11.
- Quirk, John J., Jersey City, N. J. Meat hook. 1,983,706; Dec. 11.
- Quirk, Wellington J. (See Kraatz, Paul E., assignor.)
- Quisenberry, Olive, Springfield, Mo. Rack. 1,946,711; Feb. 13.
- Quisling, Sverre, Madison, Wis. Electric fuse plug. 1,983,993; Dec. 11.
- R-B-M Manufacturing Co. (See Catron, Harold, assignor.)
- R. C. Can Company. (See Rutkowski, Walter L., assignor.)
- "R. C. W." Company. (See Ramsey, J. C., and Camblin.)
- R & K Leather Goods Co. (See Rosenzweig, David, assignor.)
- R-K Products, Inc. (See Kipnis, Abraham, assignor.)
- R. M. Company. (See Murray, Howard J., assignor.)
- R. M. Company, Inc. (See Murray, Howard J., assignor.)
- R. S. M. Company, Inc., The. (See Manning, Margia, assignor.)
- R-U. V. Company. (See Creighton, Harry M., assignor.)
- Raabe, George W., Sioux Falls, S. Dak. Dusting box for thermographic printing. 1,945,231; Jan. 30.
- Rabald, Erich. (See Müller, R., Hatzig, and Rabald.)
- Rabaté, Jean, Paris, France, and W. B. Smits, Cassel-Wilth, Germany. Electrically heated melting pot, particularly for linotypes. 1,980,696; Nov. 13.
- Rabb, Michael, Newark, N. J. Mixing implement. 1,960,089; May 22.
- Rabe, Fred H., Pittsburgh, Pa. Battery connector. 1,953,821; Apr. 8.
- Rabe, John F., and E. O. Boos, Atlantic, Iowa. Collapsible tube. 1,964,860; July 3.
- Rabe, Karl. (See Porsche, F., and Rabe.)
- Rabell, Miriam E., Pelham Manor, N. Y. Sanitary appliance. 1,941,717; Jan. 2.
- Rabelos, Nicholas A. (See Librett Chester, assignor.)
- Rabelos, Nicholas A., assignor to Rekelma Products, Inc., New Rochelle, N. Y. Apparatus for suspending clothes. 1,952,940; Mar. 27.
- Raber, Robert R., West Hartford, assignor to Pratt & Whitney Company, Hartford, Conn. Hydraulically operated machine. 1,980,356; Nov. 13.
- Rabev, Herman, Chicago, Ill. Shoulder strap holder. 1,980,697; Nov. 13.
- Raby, Warren W., Long Lake, S. Dak. Motor vehicle propelled railroad car. 1,973,267; Sept. 11.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,943,028; Jan. 9.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,950,629; Mar. 13.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug testing device. 1,957,801; May 8.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug tester. 1,957,802; May 8.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug electrode with resistance in center wire. 1,960,316; May 29.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Radio spark plug. 1,960,317; May 29.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Expanding terminal. 1,963,419; June 19.
- Rabazzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Carbonproof plug. 1,973,884; Sept. 18.
- Rabazzana, Hector, Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Spark plug. 1,976,294; Oct. 9.
- Rabazzana, Hector, Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Cable terminal. 1,979,767; Aug. 21.
- Rabazzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug for high compression engines. 1,979,999; Nov. 6.
- Rabazzana, Hector, Flint, and O. S. Duffendack, Ann Arbor, Mich., assignors to A C Spark Plug Company, Flint, Mich. Electron emitting element. 1,943,027; Jan. 9.
- Rabazzana, Hector, and R. L. Phelps, assignors to A C Spark Plug Company, Flint, Mich. Spark plug tester. 1,957,803; May 8.

- Rabazzana, Hector, Flint, and O. S. Duffendack, Ann Arbor, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Alloy. 1,970,768; Aug. 21.
- Rabinovich, Reuben, Chicago, Ill. Stopper device for drain outlets. 1,975,865; Oct. 9.
- Rabkin, William, New York, N. Y. Coin controlled vending machine. 1,978,167; Oct. 23.
- Raborn, John C. El Paso, Tex. Parlor game board. Des. 93,519; Oct. 2.
- Raby, Riley L., and J. A. McKay, assignors of one-third to P. Cooper, Shelbyville, Tenn. Tire changing machine. 1,966,766; July 17.
- Race, Charles H., Pittsburgh, Pa. Display stand. Des. 93,180; Aug. 21.
- Race, Nicholas W., Roberts, Mont. Front drive. 1,950,567; Mar. 13.
- Rachel, Christian, Burlington, Wis. Locking device for bull rings. 1,957,728; May 8.
- Racine Dispenser & Manufacturing Company. (See Hanson, Sigvort, assignor.)
- Racine, G. F., et al. (See Arsenault, L. M., and Hutchinson, assignors.)
- Racine Shoe Mfg. Co. (See Page, Arthur A., assignor.)
- Racine Stoker Manufacturing Company. (See Strom, Clifton O., sr., assignor.)
- Racine Tool & Machine Company. (See Ott, Percy O., assignor.)
- Rackett, Gerald F. (See Ball, J. A., and Rackett.)
- Rackey, Chester A., Long Island City, N. Y., assignor to Radio Corporation of America. Program control means. 1,956,746; May 1.
- Rackstraw, Albert V., New Brunswick, N. J. Quail brooder. 1,975,866; Oct. 9.
- Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Double ribbon mechanism. 1,947,019; Feb. 13.
- Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,960,189; May 22.
- Radcliff, John P., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,965,711; July 10.
- Radcliffe, Thomas D. (See Luckenbaugh, M. L., and Radcliffe.)
- Rademacher Corporation, The. (See Rademacher, Fred W., assignor.)
- Rademacher, Fred W., assignor to The Rademacher Corporation, Kingfisher, Okla. Grain-grader and cleaner. 1,959,736; May 22.
- Rader, Earl D. (See Mensman, C. J., and Rader.)
- Rader, Harold K. (See Robinson, W. M., and Rader.)
- Radford, Arthur S. (See Clark, G. F., and Radford.)
- Radford, Clifford E. (See Radford, Harold E., assignor.)
- Radford, Harold E., Toronto, Canada, assignor to C. E. Radford, Chicago, Ill. Novelty vest for boys and girls. Des. 93,672; Oct. 23.
- Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Motor vehicle. 1,943,551; Jan. 16.
- Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Filler cap. 1,947,797; Feb. 20.
- Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor. 1,958,862; May 15.
- Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Shaft seal. 1,972,393; Sept. 4.
- Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Motor vehicle. 1,983,877; Dec. 11.
- Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Generator mounting. 1,947,796; Feb. 20.
- Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Shaft seal. 1,972,394; Sept. 4.
- Radiart Corporation, The. (See Kaehni, William L. and F. J., assignors.)
- Radiart Corporation, The. (See Mace, Arthur T., assignor.)
- Radio Condenser Company. (See Cramer, S. S., and Koeppling, assignors.)
- Radio Condenser Company. (See Gilling, Preston E., assignor.)
- Radio Condenser Company. (See Koeppling, Emil D., assignor.)
- Radio Corporation of America. (See Aceves, Julius G., assignor.)
- Radio Corporation of America. (See Alexander, J. W., and Oosterhuis, assignors.)
- Radio Corporation of America. (See Alexanderson, Ernst F. W., assignor.)
- Radio Corporation of America. (See Allen, Donald T., assignor.)
- Radio Corporation of America. (See Appleton, William A., assignor.)
- Radio Corporation of America. (See Avery, John M., assignor.)
- Radio Corporation of America. (See Bailey, William M., assignor.)
- Radio Corporation of America. (See Ballantine, Stuart, assignor.)
- Radio Corporation of America. (See Barden, William S., assignor.)
- Radio Corporation of America. (See Bartelink, Albertus A., assignor.)
- Radio Corporation of America. (See Bedford, Alda V., assignor.)
- Radio Corporation of America. (See Beers, George L., assignor.)
- Radio Corporation of America. (See Best, Frank P., assignor.)
- Radio Corporation of America. (See Beverage, Harold H., assignor.)
- Radio Corporation of America. (See Black, Eva, assignor.)
- Radio Corporation of America. (See Black, Knox C., assignor.)
- Radio Corporation of America. (See Bol, C., and Posthumus, assignors.)
- Radio Corporation of America. (See Bol, C., and Rinia, assignors.)
- Radio Corporation of America. (See Bowman-Manifold, Michael, assignor.)
- Radio Corporation of America. (See Braden, Rene A., assignor.)
- Radio Corporation of America. (See Braman, Verne T., assignor.)
- Radio Corporation of America. (See Brown, Freeman L., assignor.)
- Radio Corporation of America. (See Bruijnes, Mulder, and Oosterhuis, assignors.)
- Radio Corporation of America. (See Buckle, Horace L. T.)
- Radio Corporation of America. (See Cady, Walter G., assignor.)
- Radio Corporation of America. (See Campbell, Richard L., assignor.)
- Radio Corporation of America. (See Carlson, Wendell L., assignor.)
- Radio Corporation of America. (See Carson, Benjamin R., assignor.)
- Radio Corporation of America. (See Carter, Philip S., assignor.)
- Radio Corporation of America. (See Claypoole, Walter, assignor.)
- Radio Corporation of America. (See Cohen, Samuel, assignor.)
- Radio Corporation of America. (See Conklin, James W., assignor.)
- Radio Corporation of America. (See de Brellescize, Henri J. J. M. D., assignor.)
- Radio Corporation of America. (See de Boer, J. H., Jonker, and Van Gessel, assignors.)
- Radio Corporation of America. (See de Boer, J. H., and Teves, assignors.)
- Radio Corporation of America. (See de Regnaud de Bellescize, Henri J. J. M., assignor.)
- Radio Corporation of America. (See Deutscher, Oscar C., assignor.)
- Radio Corporation of America. (See Dickey, Edward T., assignor.)
- Radio Corporation of America. (See Dijksterhuis, Popko R., assignor.)
- Radio Corporation of America. (See Dillenback, Garrett V. V., Jr., assignor.)
- Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
- Radio Corporation of America. (See Dobben, Pieter W., assignor.)
- Radio Corporation of America. (See Dodge, Stephen W., Jr., assignor.)
- Radio Corporation of America. (See Dow, Orville E., assignor.)
- Radio Corporation of America. (See Dowsett, H. M., and Plaistowe, assignors.)
- Radio Corporation of America. (See Du Mont, Allen B., assignor.)
- Radio Corporation of America. (See Du Mont, A. B., and Zimmer, assignors.)
- Radio Corporation of America. (See Dyksterhuis, Popko R., assignor.)
- Radio Corporation of America. (See Eldred, Byron E., assignor.)
- Radio Corporation of America. (See Elliott, Harold F., assignor.)
- Radio Corporation of America. (See Ellis, Ray C., assignor.)
- Radio Corporation of America. (See Farnham, Paul O., assignor.)
- Radio Corporation of America. (See Finch, James L., assignor.)
- Radio Corporation of America. (See Finch, J. L., and Conklin, assignors.)
- Radio Corporation of America. (See Flaherty, Mark, assignor.)
- Radio Corporation of America. (See Foster, Julius E., assignor.)
- Radio Corporation of America. (See Franke, August J., assignor.)
- Radio Corporation of America. (See Franklin, Charles S., assignor.)
- Radio Corporation of America. (See Franklin, C. S., and Green, assignors.)
- Radio Corporation of America. (See Franklin, C. S., and Whistecroft, assignors.)
- Radio Corporation of America. (See Fredenburgh, Mark N., assignor.)
- Radio Corporation of America. (See Gaubert, John Q., assignor.)

- Radio Corporation of America. (See Gill, Ernest W. B., assignor.)
- Radio Corporation of America. (See Goddard, De Witt R., assignor.)
- Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
- Radio Corporation of America. (See Green, Ernest, assignor.)
- Radio Corporation of America. (See Groeneveld, Y. B. F. J., and Oosterhuis, assignors.)
- Radio Corporation of America. (See Guedon, Emile C., assignor.)
- Radio Corporation of America. (See Gunn, Ross, assignor.)
- Radio Corporation of America. (See Haigis, Carleton D., assignor.)
- Radio Corporation of America. (See Hallborg, Henry E., assignor.)
- Radio Corporation of America. (See Hansell, Clarence A., assignor.)
- Radio Corporation of America. (See Hansell, Clarence W., assignor.)
- Radio Corporation of America. (See Hansen, J. C., and Hubbard.)
- Radio Corporation of America. (See Hanson, Oscar B., assignor.)
- Radio Corporation of America. (See Harris, William A., assignor.)
- Radio Corporation of America. (See Hewitt, Albertis, assignor.)
- Radio Corporation of America. (See Higginbotham, Harold H., assignor.)
- Radio Corporation of America. (See Hirmann, Julius, assignor.)
- Radio Corporation of America. (See Hollerith, Herman, jr., assignor.)
- Radio Corporation of America. (See Holst, G., Druyvesteyn, de Boer and Teves.)
- Radio Corporation of America. (See Holst, P. F. G., and Bierwirth, assignors.)
- Radio Corporation of America. (See Huffman, Charles E., assignor.)
- Radio Corporation of America. (See Hull, Lewis M., assignor.)
- Radio Corporation of America. (See Hunter, Frederick L., jr., assignor.)
- Radio Corporation of America. (See Jacobus, Richard A., assignor.)
- Radio Corporation of America. (See Jenkins, Charles F., assignor.)
- Radio Corporation of America. (See Johanson, John E., assignor.)
- Radio Corporation of America. (See Jonker, J. L. H., and Albricht, assignors.)
- Radio Corporation of America. (See Jonker, J. L. H., and Van Gessel, assignors.)
- Radio Corporation of America. (See Karolus, August, assignor.)
- Radio Corporation of America. (See Kelley, Gerard J., assignor.)
- Radio Corporation of America. (See Kellogg, Edward W., assignor.)
- Radio Corporation of America. (See Kemp, Colin G. and L. G., assignors.)
- Radio Corporation of America. (See Kentner, Carroll D., assignor.)
- Radio Corporation of America. (See Knauf, Harry V., jr., assignor.)
- Radio Corporation of America. (See Koomans, Nicolaas, assignor.)
- Radio Corporation of America. (See Kroger, Fred H., assignor.)
- Radio Corporation of America. (See Languepin, Jacques E., assignor.)
- Radio Corporation of America. (See La Rue, William D., assignor.)
- Radio Corporation of America. (See Lederer, Ernest A., assignor.)
- Radio Corporation of America. (See Lely, D., and van Reusekom, assignors.)
- Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
- Radio Corporation of America. (See Loewe, Siegmund, assignor.)
- Radio Corporation of America. (See Loftis, Homer J., assignor.)
- Radio Corporation of America. (See Loomis, Fred J., assignor.)
- Radio Corporation of America. (See Loughlin, W. D., and Franks, assignors.)
- Radio Corporation of America. (See Ludenia, Werner, assignor.)
- Radio Corporation of America. (See Mallina, Rudolph F., assignor.)
- Radio Corporation of America. (See Marconi, G., and Franklin, assignors.)
- Radio Corporation of America. (See Mathes, Richard E., assignor.)
- Radio Corporation of America. (See Mathieu, Gaston A., assignor.)
- Radio Corporation of America. (See Maurer, John A., jr., assignor.)
- Radio Corporation of America. (See Maurer, J. A., and Friend, assignors.)
- Radio Corporation of America. (See May, Russell P., assignor.)
- Radio Corporation of America. (See Meredith, Russell L., assignor.)
- Radio Corporation of America. (See Miesner, Benjamin F., assignor.)
- Radio Corporation of America. (See Mittell, Brencley E. G., assignor.)
- Radio Corporation of America. (See Mittell, B. E. G., and Whitaker, assignors.)
- Radio Corporation of America. (See Moore, John B., assignor.)
- Radio Corporation of America. (See Mountjoy, Garrard, assignor.)
- Radio Corporation of America. (See Nelson, H. J., and Franklin, assignors.)
- Radio Corporation of America. (See Newill, Edward B., assignor.)
- Radio Corporation of America. (See Olson, Harry F., assignor.)
- Radio Corporation of America. (See Olson, H. F., and Weinberger, assignors.)
- Radio Corporation of America. (See Oosterhuis, E., and Morel, assignors.)
- Radio Corporation of America. (See Osborn, Alden E., assignor.)
- Radio Corporation of America. (See Pajes, Wolf S., assignor.)
- Radio Corporation of America. (See Patterson, Edward B., assignor.)
- Radio Corporation of America. (See Perkins, Laurence M., assignor.)
- Radio Corporation of America. (See Peterson, Harold O., assignor.)
- Radio Corporation of America. (See Posthumus, Klaas, assignor.)
- Radio Corporation of America. (See Posthumus, K., and van Gogh, assignors.)
- Radio Corporation of America. (See Posthumus, K., and Weyers, assignors.)
- Radio Corporation of America. (See Pray, George E., assignor.)
- Radio Corporation of America. (See Proctor, John A., assignor.)
- Radio Corporation of America. (See Puckle, Owen S., assignor.)
- Radio Corporation of America. (See Rackey, Chester A., assignor.)
- Radio Corporation of America. (See Ranger, Richard H., assignor.)
- Radio Corporation of America. (See Reed, Stanley M., assignor.)
- Radio Corporation of America. (See Replogle, Delbert E., assignor.)
- Radio Corporation of America. (See Ringel, Abraham S., assignor.)
- Radio Corporation of America. (See Rinia, Herre, assignor.)
- Radio Corporation of America. (See Roberts, Walter V., assignor.)
- Radio Corporation of America. (See Roberts, Walter van B., assignor.)
- Radio Corporation of America. (See Robinson, Claude E., assignor.)
- Radio Corporation of America. (See Rose, George M., jr., assignor.)
- Radio Corporation of America. (See Round, Henry J., assignor.)
- Radio Corporation of America. (See Round, H. J., and Willans, assignors.)
- Radio Corporation of America. (See Roys, Henry E., assignor.)
- Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)
- Radio Corporation of America. (See Salzberg, Bernard, assignor.)
- Radio Corporation of America. (See Schaffer, Walter, assignor.)
- Radio Corporation of America. (See Schiff, Frank, assignor.)
- Radio Corporation of America. (See Schoen, A. A., and Blyth, assignors.)
- Radio Corporation of America. (See Schwartz, Carl, assignor.)
- Radio Corporation of America. (See Scofield, T. J., and Miner, assignors.)
- Radio Corporation of America. (See Seeley, Stuart W., assignor.)
- Radio Corporation of America. (See Seeley, S. W., and Mountjoy, assignors.)
- Radio Corporation of America. (See Shapiro, Lazarus, assignor.)
- Radio Corporation of America. (See Sholkin, Arcady N., assignor.)
- Radio Corporation of America. (See Shore, Henry, assignor.)
- Radio Corporation of America. (See Short, Donald W., assignor.)
- Radio Corporation of America. (See Shoup, Allen, assignor.)
- Radio Corporation of America. (See Shrader, Terry M., assignor.)
- Radio Corporation of America. (See Shumard, Charles C., assignor.)
- Radio Corporation of America. (See Sinnett, C. M., and Karns, assignors.)
- Radio Corporation of America. (See Sloggett, S. D., and Simpson, assignors.)

- Radio Corporation of America. (See Smith, Douglas Y., assignor.)
- Radio Corporation of America. (See Snoek, Jacob L., assignor.)
- Radio Corporation of America. (See Snow, Harold A., assignor.)
- Radio Corporation of America. (See Spangler, Frank, assignor.)
- Radio Corporation of America. (See Stapler, Florice A., assignor.)
- Radio Corporation of America. (See Stose, Harold F., assignor.)
- Radio Corporation of America. (See Summers, Llewelyn L. B., assignor.)
- Radio Corporation of America. (See Tellegen, Bernardus D. H., assignor.)
- Radio Corporation of America. (See Tholstrup, Henry, assignor.)
- Radio Corporation of America. (See Thompson, Lincoln, assignor.)
- Radio Corporation of America. (See Tillyer, Edgar D., assignor.)
- Radio Corporation of America. (See Timian, Harold H., assignor.)
- Radio Corporation of America. (See Umbreit, Stanton, assignor.)
- Radio Corporation of America. (See Unk, J. M., van Gessel, and Oosterhuis, assignors.)
- Radio Corporation of America. (See Usselman, George L., assignor.)
- Radio Corporation of America. (See van der Pol, B., Posthumus, and Tellegen, assignors.)
- Radio Corporation of America. (See van der Pol, B., and Weyers, assignors.)
- Radio Corporation of America. (See van Dyck, Arthur F., assignor.)
- Radio Corporation of America. (See van Geel, W. C., and Emmens, assignors.)
- Radio Corporation of America. (See van Geel, W. C., and Straub, assignors.)
- Radio Corporation of America. (See van Gessel, K. M., and de Boer, assignors.)
- Radio Corporation of America. (See van Gessel, K. M., and van Wijk, assignors.)
- Radio Corporation of America. (See van Lyf, Antonius H. V., assignor.)
- Radio Corporation of America. (See van Steenis, Otto L., assignor.)
- Radio Corporation of America. (See van Urk, Arend T., assignor.)
- Radio Corporation of America. (See Veldhuyzen, Romyn, assignor.)
- Radio Corporation of America. (See Vermeulen, R., Van Urk, and Loman, assignors.)
- Radio Corporation of America. (See Voorhees, Harold R., assignor.)
- Radio Corporation of America. (See Wallace, Richard E., assignor.)
- Radio Corporation of America. (See Weinberger, Julius, assignor.)
- Radio Corporation of America. (See Weinberger, J., Smith, and Rodwin, assignors.)
- Radio Corporation of America. (See Wells, Norman, assignor.)
- Radio Corporation of America. (See Weyers, Theodorus J., assignor.)
- Radio Corporation of America. (See White, Sidney Y., assignor.)
- Radio Corporation of America. (See Williams, Selden T., assignor.)
- Radio Corporation of America. (See Williams, S. T., and Weiland, assignors.)
- Radio Corporation of America. (See Wilmotte, Raymond M., assignor.)
- Radio Corporation of America. (See Winchell, Arthur B., assignor.)
- Radio Corporation of America. (See Wolf, Irving, assignor.)
- Radio Corporation of America. (See Woods, Fred, assignor.)
- Radio Corporation of America. (See Wright, G. M., and Smith, assignors.)
- Radio Corporation of America. (See Young, Charles J., assignor.)
- Radio Corporation of America. (See Zimmer, Raymond M., assignor.)
- Radio Corporation of America. (See Zimmer, R. M., and Alexander, assignors.)
- Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)
- Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)
- Radio Fleet Owners, Inc. (See Kaupmann, Frederick, assignor.)
- Radio Frequency Laboratories, Incorporated. (See Farnham, Paul O., assignor.)
- Radio Frequency Laboratories, Incorporated. (See Farnham, P. O., and Argento, assignors.)
- Radio Frequency Laboratories, Incorporated. (See Franks, Christopher J., assignor.)
- Radio Inventions, Inc. (See Donle, Harold P., assignor.)
- Radio Inventions, Inc. (See Hogan, John V. L., assignor.)
- Radio Inventions, Inc. (See Hogan, J. V. L., and Donle, assignors.)
- Radio Inventions, Inc. (See Marvin, S. F., and Kayatt, assignors.)
- Radio Patents Corporation. (See Asch, Erich, assignor.)
- Radio Patents Corporation. (See Dalpayrat, Henri F., assignor.)
- Radio Patents Corporation. (See Dubiller, William, assignor.)
- Radio Patents Corporation. (See Falkenthal, Erwin, assignor.)
- Radio Patents Corporation. (See Geffcken, H. H., and Richter, assignors.)
- Radio Patents Corporation. (See Gottschalk, Fritz, assignor.)
- Radio Patents Corporation. (See Nyman, Alexander, assignor.)
- Radio Patents Corporation. (See Pressler, Max, assignor.)
- Radio Patents Corporation, The. (See Rath, Karl, assignor.)
- Radio Patents Corporation. (See Schröter, Fritz, assignor.)
- Radio Research Company. (See Hill, Helen, assignor.)
- Radio Research Laboratories, Inc. (See Barnett, David A., assignor.)
- Radio Research Laboratories, Inc. (See Haffcke, Philip M., assignor.)
- Radio Research Laboratories, Inc. (See Heany, John A., assignor.)
- Radio Research Laboratories, Inc. (See Heany, J. A., and Haffcke, assignors.)
- Radio Research Laboratories, Inc. (See Heany, J. A., and St. Laurent, assignors.)
- Radio Research Laboratories, Inc. (See St. Laurent, Herbert, assignor.)
- Radio Research Laboratories, Inc. (See Urmson, William G., assignor.)
- Radio Steel & Mfg. Co. (See Pasin, Antonio, assignor.)
- Radioaktiengesellschaft D. S. Loewe. (See von Ardenne, Manfred, assignor.)
- Radiovision Corporation. (See Wein, Samuel, assignor.)
- Radium Dial Company. (See Kelly, Joseph A., assignor.)
- Radke, Albert E., Kenosha, Wis., and J. E. Walter, Waukegan, Ill. Plumb level square. 1,963,805; June 19.
- Radley, Sidney S., South Portland, Maine. Cream separator. 1,946,111; Feb. 6.
- Rado, Kosta P. (See Martin, D. J., and Rado.)
- Rado, Leopold. (See Hermann, Heinrich, assignors.)
- Rado, Leopold, Berlin-Wannsee, Germany. Production of sensitized films. 1,972,314; Sept. 4.
- Radtke, Bruno, Chicago, Ill. Coin chute attachment. 1,966,134; July 10.
- Radtke, Bruno, Libertyville, assignor to Mills Novelty Company, Chicago, Ill. Vending machine. 1,981,467; Nov. 20.
- Radzinsky, Harry. (See Kiwad, Isadore, assignor.)
- Radzinsky, Harry, Great Neck, N. Y. Machine for making cigar wrappers. 1,972,952; Sept. 11.
- Radzinsky, Harry, New York, N. Y. Device for aiding in the selection of cosmetics. 1,979,119; Oct. 30.
- Raeder, Heinrich, Leverkusen-Schleibsch, Germany, assignor to General Aniline Works, Inc., New York, N. Y. C-substituted pyrimidines of the anthraquinone series. 1,980,549; Nov. 13.
- Raef, Paul F. (See Moffett, Henry C., assignor.)
- Raemer, Clifford M., Terre Haute, Ind. Fountain comb. 1,956,104; Apr. 24.
- Raemer, Samuel, New York, N. Y. Measuring device. 1,969,385; Aug. 7.
- Raepsaet, Maurice P. H. L., Aurec-sur-Loire, France, assignor to Société Belge du Caoutchouc Mousse, Berchem-Sainte-Agathe, near Brussels, Belgium. Manufacture of articles of cellular rubber and ebonite with closed cells. 1,948,046; Feb. 20.
- Raepsaet, Maurice P. H. L., Aurec-sur-Loire, France, assignor to Société Belge du Caoutchouc Mousse, Berchem-Sainte-Agathe, Belgium. Mold. 1,966,560; July 17.
- Rafetto, Herbert C., Wayne, Pa. Apparatus and method for freeing clay and similar materials from stones and other foreign bodies. 1,966,312; July 10.
- Raffel, Waldemar J. A., Dayton, Ohio. Radio receiving apparatus. 1,947,660; Feb. 20.
- Rafferty, John H., Houston, Tex. Sewer or drain. 1,966,996; July 17.
- Raffetto, Joseph L., New York, N. Y. Radiocabinet. Des. 91,469; Feb. 6.
- Raffetto, Joseph L., New York, N. Y. Radiocabinet. Des. 91,497; Feb. 13.
- Raffinerie Tirmontaise Société Anonyme. (See Berge, Julian, assignor.)
- Raffo, Ricardo, and R. Kuhlenschmidt, Buenos Aires, Argentina. Mechanical device for the passing and reproducing of talking films. 1,961,570; June 5.
- Raffold Process Corporation. (See Rafton, Harold R., assignor.)
- Rafter, Albert, assignor to Rafter Machine Company, Belleville, N. J. Device for severing continuously moving articles into desired lengths. 1,944,718; Jan. 23.
- Rafter, Albert, Glen Ridge, assignor to Rafter Machine Company, Belleville, N. J. Metal forming machine. 1,971,696; Aug. 28.
- Rafter Machine Company. (See Rafter, Albert, assignor.)
- Rafton Engineering Corporation. (See Rafton, Harold R., assignor.)
- Rafton, Harold R., Andover, Mass., assignor to Rafton Engineering Corporation. Supporting wire cloth. 1,947,307; Feb. 13.
- Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 1,957,474; May 8.

- Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 1,976,743; Oct. 16.
- Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 1,976,744; Oct. 16.
- Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 1,976,745; Oct. 16.
- Ragals, William C., Buenos Aires, Argentina, assignor to Berth. Levi & Co., Inc., New York, N. Y. Weasand and preparing the same. 1,945,866; Feb. 6.
- Ragan, Frederick H. (See Turner, R. J., and Ragan.)
- Ragan, Frederick H., Cleveland Ohio. Brake operating mechanism. 1,966,969; July 17.
- Ragan, Frederick H., Shaker Heights, assignor to William R. Barnhart, Cleveland Heights, Ohio. Air metering device. 1,974,853; Sept. 25.
- Ragan, Ralph, Atlanta, Ga., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Machine for making heddles. 1,948,129; Feb. 20.
- Ragatz, Edward G. (See Rebber, L. L., Crossfield, and Ragatz.)
- Ragg, Alphonse F. M., Wentorf in Holstein, assignor of one-half to John F. Rahtjen, Altona-Ottensen, Germany. Production of noncorrosive paint pigments. 1,951,770; Mar. 20.
- Raggio, Maynard H., Chicago, Ill. Drawer device for desks and the like. 1,980,824; Nov. 13.
- Raggio, Maynard H., Chicago, Ill. Drawer device. 1,985,550; Dec. 25.
- Ragonnet, Eugene L., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tracer device. 1,981,372; Nov. 20.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft wing structure. 1,942,148; Jan. 2.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airplane body. 1,942,149; Jan. 2.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method and product of electric welding. 1,944,106; Jan. 16.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding machine. 1,955,438; Apr. 17.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Form bending machine. 1,961,109; May 29.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sheet metal aircraft construction. 1,965,258; July 3.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Structural assembly and assembling the same. 1,966,933; July 17.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airplane rudder structure. 1,967,901; July 24.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft structure. 1,973,268; Sept. 11.
- Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle device. 1,981,633; Nov. 20.
- Ragsdale, Earl J. W., and J. C. Whitesell, jr., Norristown, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Seam welder. 1,946,445; Feb. 6.
- Ragsdale, Earl J. W., and J. C. Whitesell, jr., Norristown, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Step chisel welder. 1,981,708; Nov. 20.
- Ragsdale, Elbert C., Decatur, Ill., assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,977,145; Oct. 16.
- Ragsdale, Elbert C., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Removal of foots from crude oil. 1,985,426; Dec. 25.
- Ragsdale, John B., Whittier, assignor to Globe Oil Tools Co., Los Nietos, Calif. Well bit. 1,961,390; June 5.
- Raguin, Georges A., Lyon, assignor to Société Lumière, Paris, France. Individual envelope for photographic films. 1,950,863; Mar. 13.
- Rah, Joseph C., assignor to Delta-Star Electric Company, Chicago, Ill. Expulsion fuse mounting. 1,958,496; May 15.
- Rahm, Harold R., Colorado Springs, Colo. Figure wheeled toy. 1,942,772; Jan. 9.
- Rahm, Walter E., Montclair, N. J., assignor to Plastic Products Engineering Corporation. Molding machine. 1,944,571; Jan. 23.
- Rahr, Chester E., Brookline, assignor to The Patent and Licensing Corporation, Boston, Mass. Roofing element and making same. 1,961,166; June 5.
- Rahr, Frederic H., Brookline, assignor to The Patent and Licensing Corporation, Boston, Mass. Siding material. 1,942,449; Jan. 9.
- Rahtjen, John F. (See Ragg, Alphonse F. M., assignor.)
- Raible, Charles G., Shaker Heights, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Forming chaplets and the like. 1,945,358; Jan. 30.
- Raible, Charles G., Shaker Heights, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Radiator assembly. 1,962,837; June 12.
- Raible, Franz, Munich, Germany. Automatic gas cut-off. 1,982,481; Nov. 27.
- Raible, Julius, Stuttgart, assignor to Vereinigte Kugellagerfabriken A.-G., Berlin, Germany. Floating bearing. 1,964,140; June 26.
- Raiche, Andrew, Quincy, Mass., assignor to The National Marking Machine Company, Cincinnati, Ohio. Device for automatically reeling strips of stampings. 1,958,068; May 8.
- Raiche, Andrew, Quincy, Mass., assignor to The National Marking Machine Company, Cincinnati, Ohio. Device for removing burrs from sheet metal stampings. 1,964,174; June 26.
- Raiche, Andrew, Quincy, Mass., assignor to The National Marking Machine Co., Cincinnati, Ohio. Tagging machine. 1,970,763; Aug. 21.
- Raigorodsky, Paul M., assignor to Petroleum Engineering, Inc., Tulsa, Okla. Recovering hydrocarbon vapors. 1,977,087; Oct. 16.
- Railing, Roy C., Minneapolis, Minn. Quack grass eradicator. 1,957,290; May 1.
- Rail Joint Company, The. (See Armstrong, Victor C., assignor.)
- Rail Joint Company, The. (See Muller, George W., assignor.)
- Rail Joint Company, The. (See Wollhaupter, David P., assignor.)
- Railley, William, Roselle, N. J. Quick detachable mount for motors. 1,942,834; Jan. 9.
- Railroad Accessories Corporation. (See Deems, Edward M., assignor.)
- Railroad Accessories Corporation. (See Lavarack, Frederick C., assignor.)
- Railroad Accessories Corporation. (See Lavarack, William H. B., assignor.)
- Railroad Accessories Corporation. (See Lundy, B. A., and Knowles, assignors.)
- Railway Devices Company. (See Pietzsch, F. H., and Campbell, assignors.)
- Railway Engineering Equipment Company. (See Hawe, John E., and Plant.)
- Railway and Industrial Engineering Company. (See Carlisle, George L., assignor.)
- Railway and Industrial Engineering Company. (See Kopitz, Carl G., assignor.)
- Railway and Industrial Engineering Company. (See Massey, Hemsley B., assignor.)
- Railway Maintenance Corporation. (See Merk, Lawrence A., assignor.)
- Railway Metal Products Company. (See Gilpin, Garth G., assignor.)
- Railway Metal Products Company. (See Schlesinger, Edgar E., assignor.)
- Railway Metal Products Company. (See Small, Arthur E., assignor.)
- Railway Service and Supply Corporation. (See Pearce, Edwin S., assignor.)
- Railway Track-Joint Corporation. (See Neal, Ernest C., assignor.)
- Railway Utility Company. (See Hartwig, William G., assignor.)
- Railway Utility Company. (See Pine, W. J., and Willer, assignors.)
- Rain Machine Ltd., et al. (See Balaam, Maurice A., assignor.)
- Rain Machine, Ltd., et al. (See Lambie, John A., assignor.)
- Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. Des. 92,677; July 3.
- Rainbault, John P., New York, N. Y., assignor to General Electric Company. Combined clock case and dial. Des. 92,976; Aug. 7.
- Rainbault, John P., New York, N. Y., assignor to General Electric Company. Combined clock case and dial. Des. 92,977; Aug. 7.
- Rainbow Displays Incorporated. (See Hartman, John P., assignor.)
- Rainbow Light, Inc. (See Machlett, Raymond R., assignor.)
- Rainey, Edward J., Flushing, assignor to A. G. Spalding & Bros., New York, N. Y. Finger mitt. 1,964,769; July 3.
- Rainey, Robert B., Washington, D. C. Hot air furnace. 1,973,016; Sept. 11.
- Rairden, James S., Modesto, Calif. Ice dispensing apparatus. 1,975,973; Oct. 9.
- Raisin and Thiebaut Bros. Ltd. (See Thiebaut, James R., assignor.)
- Raith, Jacob L., Petersham, near Sydney, assignor of fifty-one per cent to Automatic Bread Baking Company, Limited, Sydney, New South Wales, Australia. Final molding apparatus for bread rolls and the like. 1,945,073; Jan. 30.
- Raiziss, George W., Philadelphia, Pa., assignor to Abbott Laboratories, North Chicago, Ill. Mercury compound of nitro-ortho-cresols. 1,953,263; Apr. 3.
- Raiziss, George W., Philadelphia, Pa., assignor to Abbott Laboratories, North Chicago, Ill. Halide-mercuri nitro-cresols. 1,967,686; July 24.
- Rakos, Nicholas, Cleveland, Ohio. Internal combustion engine. 1,958,957; May 15.
- Ralco Manufacturing Co. (See Lofgren, John, assignor.)
- Raley, Odie, Paragould, Ark. Automatic projecting means for oven trays. 1,958,348; May 8.
- Rall, Carl A., assignor to Bodine Electric Company, Chicago, Ill. Motor. 1,967,325; July 24.
- Rall, Harry T. (See Smith, H., Grandone, and Rall.)

- Ralston, Anderson W., Chicago, Ill., and J. R. Wright, Baton Rouge, La., assignors to Standard Oil Development Company. Reclaiming rubber and similar substances. 1,981,811; Nov. 20.
- Ralston, Harvey C. (See Williams, T. D., and Ralston.)
- Ralston, Oliver C. (See Barker, L. M., Young, and Ralston.)
- Ralston, Oliver C., assignor to United Verde Copper Company, Clarkdale, Ariz. Froth flotation. 1,952,727; Mar. 27.
- Ralston, Oliver C., and L. Klein, Clarkdale, Ariz., assignors to United Verde Copper Company. Recovery of selenium. 1,945,074; Jan. 30.
- Ralston, Oliver C., and F. H. Miller, Clarkdale, Ariz., assignors to United Verde Copper Company. Solution purification. 1,981,068; Nov. 20.
- Ralston Steel Car Company. (See Symons, F. E., and Cowgill, assignors.)
- Ramapo Ajax Corporation. (See Cooper, G. M., and Eastburn, assignors.)
- Ramapo Ajax Corporation. (See Eastburn, Samuel L., assignor.)
- Ramayya, Kolachala S., Brooklyn, N. Y. Treating petroleum sludges. 1,956,592; May 1.
- Rambold, Adolf, Dresden, Germany. Conveying and flattening device for small bags filled with tea or the like. 1,976,691; Oct. 9.
- Rambush, Niels E., assignor of one-half to The Power Gas Corporation Limited, Stockton-on-Tees, England. Manufacture of water gas. 1,947,614; Feb. 20.
- Rambush, Niels E., and J. O. Dean, Stockton-on-Tees, England. Water gas producer. 1,962,616; June 12.
- Ramet Corporation of America. (See Balke, Clarence W., assignor.)
- Ramey, Blaine B., Stoneleigh, assignor to Black & Decker Manufacturing Company, Towson, Md. Dust eliminator for electric motors. 1,972,315; Sept. 4.
- Ramey, Blaine B., Stoneleigh, Md., and W. C. Sessions, Cleveland, Ohio, assignors to The Black & Decker Company, Towson, Md. Spindle mechanism for gas engine valve resisters. 1,975,904; Oct. 9.
- Ramey, Ernest E., and J. W. Harvey, Ashland, Ky. Raggle strip. 1,953,867; Apr. 3.
- Rammer, Hyman Louis, Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Carton and liner for same. 1,973,930; Sept. 18.
- Ramos, Joseph A., and P. P. Scribante, assignors of twenty-nineties to Benjamin Delmas, twenty-nineties to Paulin Cahors, and sixteen-nineties to Ruben Smith, San Francisco, Calif. All-phase motor. 1,968,852; Aug. 7.
- Ramos, Joseph A., and P. P. Scribante, assignors of one-fifth to Benjamin Delmas, one-fifth to Paulin Cahors, one-tenth to Robert W. Krobitzsch, and one-tenth to Ruben Smith, San Francisco, Calif. Multiphase motor. 1,968,853; Aug. 7.
- Ramos, Juan, New York, N. Y. Glass water bottle. 1,953,638; Apr. 3.
- Ramos, Manuel, Forest City, assignor of one-third to G. Ganfororo, Archbold, and one-third to M. G. Gaselas, Forest City, Pa. Lock. 1,981,121; Nov. 20.
- Ramsay, Erskine, Birmingham, Ala. Mine roof support. 1,946,034; Feb. 6.
- Ramsay, John, Mount Savage, Md. Continuously decorating brick, tile, etc. 1,958,837; May 15.
- Ramsay, Samuel E., Santa Cruz, Calif. Door seal. 1,978,761; Oct. 30.
- Ramsburg, Charles J., Edgeworth, Pa., assignor to The Koppers Company of Delaware. Coking heavy petroleum oil. 1,971,834; Aug. 28.
- Ramsburg, Charles J., Edgeworth, Pa., assignor to The Koppers Company of Delaware. Sulphur preparation. 1,983,399; Dec. 4.
- Ramsdell, Benley F., et al. (See Keown, John M., assignor.)
- Ramsour, Wellington A., Gainesville, Ga. Automatic cut-off. 1,971,731; Aug. 28.
- Ramsey Accessories Manufacturing Corporation. (See Frank, William E., assignor.)
- Ramsey Accessories Manufacturing Corporation. (See Marien, Charles A., assignor.)
- Ramsey Accessories Manufacturing Corporation. (See Prochaska, Carroll W., assignor.)
- Ramsey, Dell M., Hamburg, assignor to The Exolon Company, Bladell, N. Y. Reclaiming aluminous oxide grains or the like. 1,978,884; Oct. 30.
- Ramsey, Elmer R. (See Bull, A. W., and Ramsey.)
- Ramsey, Erle M., Shiprock, N. Mex., assignor to Continental Oil Company, Ponca City, Okla. Attachment for pump jacks. 1,943,624; Jan. 16.
- Ramsey, George, et al. (See Leonard, William, assignor.)
- Ramsey, George, Brooklyn, N. Y. Method and apparatus for producing sound. 1,951,669; Mar. 20.
- Ramsey, George, Brooklyn, N. Y. Sound moving picture. 1,956,624; May 1.
- Ramsey, George, Brooklyn, N. Y. Coordination of moving pictures and sound records. 1,981,069; Nov. 20.
- Ramsey, Jesse C., and C. Camblin, assignors to The "R. C. W." Company, Denver, Colo. Amalgamation. 1,953,364; Apr. 8.
- Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Follower for filing devices. 1,948,935; Feb. 27.
- Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Filing cabinet. 1,953,024; Mar. 27.
- Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Extension leaf desk. 1,958,368; May 8.
- Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Visible index file panel. 1,963,806; June 19.
- Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Index card member and making. 1,978,386; Oct. 23.
- Rand, Charles F., North Tonawanda, N. Y. Pyroxylin plastic tab. 1,983,878; Dec. 11.
- Rand, Harry M., Kansas City, Mo. Portable power driven tool. Des. 93,943; Nov. 27.
- Rand, Henry J., Kansas City, Mo. Multiple check valve. 1,978,507; Oct. 30.
- Rand, James H., North Falmouth, Mass. Inker for printing devices. 1,958,522; May 15.
- Rand, James H., assignor to Philrand, Inc., North Falmouth, Mass. Index tab and guide. 1,975,662; Oct. 2.
- Rand, James H., jr., assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting and like machine. 1,967,450; July 24.
- Rand, Rufus R., jr., Wayzata, Minn. Pool construction. 1,971,835; Aug. 28.
- Randa, General Conrad, et al, executors. (See Lederer, Anton.)
- Randal, Harry L., et al. (See Ginder, William H., assignor.)
- Randall, Chester J., assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Vulcanizing apparatus. 1,981,194; Nov. 20.
- Randall Company, The. (See Reed, Raymond E., assignor.)
- Randall Company, The. (See Warren, Harold B., assignor.)
- Randall, Edward C. (See Watkin, A. P. J., and Winter, assignors.)
- Randall, Frederick C. (See Levesley, A. S., and Randall.)
- Randall, George M., assignor to Plastic Products, Inc., Daytona Beach, Fla. Surgical suture. 1,949,111; Feb. 27.
- Randall, Herbert T., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Beater roll. 1,964,690; June 26.
- Randall, Karl C., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connector. 1,962,326; June 12.
- Randall, Lucius Y., Gaffney, S. C. Dobby drive. 1,944,369; Jan. 23.
- Randall, Meredith S. (See Woodall, H. J., and Randall.)
- Randall, Samuel J., and C. E. Love, Sweetwater, Tenn. Nut lock. 1,968,959; Aug. 7.
- Randel, Bo F., San Diego, Calif., assignor to C. A. Dunham Company, Marshalltown, Iowa. Heating with water. 1,975,617; Oct. 2.
- Randel, James E., St. Louis, Mo. Attachment plug. 1,976,516; Oct. 9.
- Randel, Wilbur S. (See Scholz, H. A., and Randel.)
- Randel, Wilbur S., M. C. Dailey, and W. M. McNeil, assignors to United States Gypsum Company, Chicago, Ill. Producing high strength calcined gypsum. 1,979,704; Nov. 6.
- Randell, Harold Hickman. (See Lambert, Pierre L. V., assignor.)
- Randell, Ralph R., Washington, D. C. Dam construction. 1,957,154; May 1.
- Randell, Sumner S., Quincy, Mass. Applying fastener. 1,948,187; Feb. 20.
- Randolph, Chalmers H., St. Paul, Minn., assignor to Mattison Machine Works, Rockford, Ill. Process of and apparatus for grinding internal surfaces of tubes. 1,972,316; Sept. 4.
- Randolph, Dale N., Pittsburgh, assignor to Wm. B. Scafe & Sons Company, Oakmont, Pa. Proportioning and feeding device. 1,943,039; Jan. 9.
- Randolph, Donald W., Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Alloy, electron emitter and making same. 1,976,295; Oct. 9.
- Randolph, Wendell G., assignor to The Egyptian Lacquer Manufacturing Company, New York, N. Y. Paint and pigment therefor. 1,942,491; Jan. 9.
- Raney, Clemma R. (See Johnston, E. A., Lindgren, Raney, and Hyman.)
- Raney, Clemma R. (See Johnston, E. A., Raney, and Johnson.)
- Raney, Clemma R. (See Lindgren, A. C., and Raney.)
- Raney, Clemma R. (See Lindgren, A. C., Raney, and Hitchcock.)
- Raney, Clemma R., Riverside, and B. R. Benjamin, Oak Park, Ill., assignors to International Harvester Company. Tractor harvester thresher. 1,952,512; Mar. 27.
- Raney, Clemma R., Riverside, and A. B. Welty, Kenilworth, Ill., assignors to International Harvester Company. Tractor hitch. 1,967,326; July 24.
- Raney, Estel C., Columbus, Ohio. Instrument adjustment indicator. 1,955,091; Apr. 17.
- Raney, Estel C., Columbus, Ohio. Multiple control switch. 1,971,732; Aug. 28.
- Raney, Estel C., Columbus, Ohio, assignor to The Automatic Reclosing Circuit Breaker Company. Refrigerator temperature control. 1,969,326; Aug. 7.
- Raney, John R., Memphis, Tenn. Wall cleaner. 1,973,779; Sept. 18.

- Rangel, Mauricio M., Hacienda de Noguera, Colima, Mexico. Machine for cracking off shells of coquito nut and its similars. 1,948,396; Feb. 20.
- Ranger, Richard H. (See Williams, Richard M., assignor.)
- Ranger, Richard H., Newark, N. J. Electrical music system. 1,947,020; Feb. 13.
- Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Picture transmission amplifier. 1,973,725; Sept. 18.
- Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Facsimile transmission. 1,973,726; Sept. 18.
- Raninowitz, Benjamin. (See Weiss, Max L., assignor.)
- Rankin, John O., Wheeling, W. Va. Fracture reducing table. 1,955,017; Apr. 17.
- Rankin, John W., Elizabeth, Pa. Safety device for mines. 1,950,951; Mar. 13.
- Rankin, Lanning P., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Ozonation products of terpene alcohol. 1,951,708; Mar. 20.
- Rankin, Robert W., San Diego, Calif. Operating mechanism for lavatory pop-up waste valves. 1,965,085; July 3.
- Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. Vacuum switch. 1,952,184; Mar. 27.
- Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. Furnace. 1,980,825; Nov. 13.
- Ranney, Clarence R., assignor to Jones & Lamson Machine Company, Springfield, Vt. Sorting apparatus. 1,979,079; Oct. 30.
- Ranney, Willet B., and A. C. Kappes, Chicago, and A. E. Johnson, Oak Park, assignors to Wm. Wrigley Jr. Company, Chicago, Ill. Box packing machine. 1,954,842; Apr. 17.
- Ranque, Georges J., assignor to la Giration des Fluides, Societe a Responsabilite Limitee, Montlucon, France. Method and apparatus for obtaining from a fluid under pressure two currents of fluids at different temperatures. 1,952,281; Mar. 27.
- Ransom and Randolph Company, The. (See Moore, Thomas E., assignor.)
- Ransom, Willard G. (See Sanders, C. H., and Ransom.)
- Ransome Concrete Machinery Company. (See Bushnell, James E., assignor.)
- Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
- Rape, Floyd. (See Fox, A. S., and Rape.)
- Rapeanu, Stelian Z., Belvedere, Bucharest, assignor to Cassa Autonomă a Monopolurilor Regatului Român, Bucharest, Rumania. Treating tobacco leaf. 1,958,863; May 15.
- Rapellin, René, San Gabriel, Calif. Cigarette dispensing device. 1,964,597; June 26.
- Raphael, Olivius A., Los Angeles, Calif. Refectory table. 1,985,620; Dec. 25.
- Rapid Roller Company. (See Arnold, Frederick G., assignor.)
- Rapid Roller Company. (See Schwartz, Philip, assignor.)
- Rapisarda, Edward D., Agawam, Mass. Laundry press. 1,984,496; Dec. 18.
- Rapp, Axel G. H., Evanston, and A. C. Christensen, assignors to Herbert S. Simpson, Chicago, Ill. Sand mixer. 1,969,523; Aug. 7.
- Rappaport, N. Herman. (See Goerlich, William M., assignor.)
- Rappeport, Paul, Vienna, assignor to firm "Schnellpressenfabrik Koenig & Bauer, Aktiengesellschaft, Modling," Modling, Austria. Printing press. 1,952,032; Mar. 20.
- Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Fluid operated motor. 1,969,094; Aug. 7.
- Rappolt, Herman G. (See Byron, R., and Rappolt.)
- Rappolt, Herman G., New York, N. Y., and L. B. Case, Highland Park, N. J. Method and apparatus for coating and drying materials. 1,979,346; Nov. 6.
- Rapprich, Gustave, West New York, N. J., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,969,662; Aug. 7.
- Rapprich, Gustave, West New York, N. J., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,969,663; Aug. 7.
- Rarey, George H., U. S. Army, Fort Benning, Ga. Shield for observation openings. 1,974,432; Sept. 25.
- Rarick, Charles E., Weedsport, N. Y. Form puller. 1,943,803; Jan. 16.
- Rasbridge, Edward A., Lebanon, Pa. Bung. 1,962,409; June 12.
- Rasch, Christian, Ramlosa, Sweden. Wire binding machine. 1,974,893; Sept. 25.
- Rasch, William G., and J. A. Malcolm, assignors to Burlington Blanket Company, Burlington, Wis. Buffer pad. 1,945,823; Feb. 6.
- Raschig, F., G. m. b. H. (See Koebner, Max, assignor.)
- Raschig, Dr. F., G. m. b. H. (See Prahl, Walter, assignor.)
- Raschig, Dr. F., G. m. b. H. (See Prahl, W., and Mathes, assignors.)
- Raschke, Kurt. (See Morsbach, K., Hettler, and Raschke.)
- Raskin, Hyman, Chicago, Ill. Catamenial bandage retainers. 1,975,618; Oct. 2.
- Rasmussen, Alvin C., Indianapolis, Ind. Paving machine. 1,973,885; Sept. 18.
- Rasmussen, Edward L., Seattle, Wash. Grass clipper. 1,941,718; Jan. 2.
- Rasmussen, Hans P., Edgewater, Colo. Internal combustion engine. 1,955,976; Apr. 24.
- Rasmussen, Lillian R., Long Beach, Calif. Drier. 1,946,638; Feb. 13.
- Rasmussen, Martin, Los Angeles, Calif. Stepladder. 1,984,655; Dec. 18.
- Rasmussen, Olaf, assignor to General Motors Corporation, Detroit, Mich. Synchronizer for transmission. 1,967,065; July 17.
- Rasmussen, Peter, Fresno, Calif. Guitar support. 1,945,162; Jan. 30.
- Rasmussen, Sophus, assignor to American Gas Machine Company, Albert Lea, Minn. Counterbalancing device for oven doors. 1,954,182; Apr. 10.
- Rasmussen, William R., and T. Ogden, Lynwood, Calif. Thumb guard. 1,980,635; Nov. 13.
- Raspe, Friedrich, et al. (See Rochstroh, J., Raspe, and Kircher.)
- Rassas, Joseph. (See Lemaitre, L. A., and Rassas.)
- Rassbach, Erich C., and O. Baur, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Fuel feed mechanism. 1,967,101; July 17.
- Rassenfoss, Albert J., Evanston, Ill. Garment bag. 1,967,429; July 24.
- Rassow, Horst, Berlin-Friedenau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Multiplex telegraph equipment. 1,953,658; Apr. 3.
- Rast, Julius H., Charleston, S. C. Detachable tool handle. 1,980,087; Nov. 6.
- Rastetter, William C., Fort Wayne, Ind. Combination folding chair and table. 1,984,699; Dec. 18.
- Ratasep, Arthur, New York, N. Y. Hair curling device. 1,954,099; Apr. 10.
- Ratcliff, Charles F. (See Macadle, D., and Ratcliff.)
- Ratcliffe, William A., et al. (See Kramer, Emil M., assignor.)
- Ratke, Charles J., Chicago, Ill. Window lock. 1,960,509; May 29.
- Raterink, Harry R. (See Somerville, I. C., and Raterink.)
- Rath, Karl, assignor to The Radio Patents Corporation, New York, N. Y. Gas discharge device. 1,985,058; Dec. 18.
- Rath, Ludwig, New York, N. Y., assignor to The Mantle Lamp Company of America, Chicago, Ill. Combined lamp base and shade. Des. 92,678; July 3.
- Rathbun, Homer E. (See Norris, K. T., and Rathbun.)
- Rathbun, John P. (See Potter, J. A., and Rathbun.)
- Rathbun, Merrill L., Lockport, N. Y. Container closure. 1,971,536; Aug. 28.
- Rathbun, Ross B., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Filtering. 1,944,267; Jan. 23.
- Rathbun, Ross B., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for cleaning bags. 1,944,268; Jan. 23.
- Rathbun, Sherrill S., Rockville Center, N. Y. Hoisting apparatus. 1,952,728; Mar. 27.
- Räthel, Werner, Berlin-Neukölln, assignor to Reiss & Klemm, Berlin, Germany. Oscillating motor fan. 1,982,537; Nov. 27.
- Rather, James B., Brooklyn, O. M. Reiff, Jackson Heights, and L. C. Beard, jr., Brooklyn, assignors to Socony-Vacuum Corporation, New York, N. Y. Decolorized refined petroleum product and producing same and decolorizing agent therefor. 1,951,205; Mar. 13.
- Rather, James B., and O. M. Reiff, Brooklyn, and L. C. Beard, jr., Jackson Heights, N. Y., assignors to Socony-Vacuum Corporation. Distillate petroleum products and treating same. 1,951,206; Mar. 13.
- Rather, James B., Brooklyn, O. M. Reiff, Jackson Heights, and L. C. Beard, jr., Brooklyn, assignors to Socony-Vacuum Corporation, New York, N. Y. Distillate petroleum product and treating same. 1,951,208; Mar. 13.
- Rather, James B., Brooklyn, and L. C. Beard, jr., and O. M. Reiff, Jackson Heights, assignors to Socony-Vacuum Corporation, New York, N. Y. Distillate petroleum product and method of treating the same. 1,959,315; May 15.
- Rather, James B., Brooklyn, O. M. Reiff, Jackson Heights, and L. C. Beard, jr., Brooklyn, assignors to Socony-Vacuum Corporation, New York, N. Y. Distillate petroleum products and method of treating same. 1,959,316; May 15.
- Rather, James B., and L. C. Beard, jr., Brooklyn, and O. M. Reiff, Jackson Heights, assignors to Socony-Vacuum Corporation, New York, N. Y. Distillate petroleum product and treating the same. 1,959,317; May 15.
- Rathgeber, Ferdinand, Arnhem, Holland, W. Schulz, V. Beplate, and A. Ruesch, Sydowau, near Stettin, Germany, assignors to North American Rayon Corporation, New York, N. Y. Arrangement for the wet treatment of spinning cakes, etc. 1,985,621; Dec. 25.
- Rathke, Kurt, assignor to Losenhausenwerk, Dusseldorf, Grafenberg, Germany. Device for the indication of alternating pressures. 1,981,195; Nov. 20.
- Rathmell, John M. (See Green, J. B., and Rathmell.)
- Rathmill, Joseph, Warrington, assignor of one-half to Thomas M. Nutbrown, Limited, Blackpool, England. Device for subdividing vegetables and the like materials. 1,942,773; Jan. 9.
- Ratigan, James P., Los Angeles, Calif. Tongs. 1,942,492; Jan. 9.

- Ratigan, James P., Los Angeles, Calif. Pitman stirrup bearing. 1,957,077; May 1.
- Ratkowski, Thomas A., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Latch for dipper doors. 1,944,949; Jan. 30.
- Ratley, Clarence M., assignor of one-half to D. E. Hurd, El Dorado, Kans. Pumping jack. 1,976,633; Oct. 9.
- Ratliff, George D., Clinton, assignor to Pioneer Butter Wrapping Machine Company, Jackson, Miss. Wrapping machine. 1,984,761; Dec. 18.
- Ratner, Abraham. (See Levow, D., and Ratner.)
- Ratner, Richard, assignor to Republic Distillers, Inc., New York, N. Y. Bottle. Des. 92,491; June 12.
- Ratner, Richard, assignor to Republic Distillers, Inc., New York, N. Y. Bottle. Des. 92,492; June 12.
- Ratta, James A., jr., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Tent. 1,966,561; July 17.
- Ratzlaff, Drexel W., et al. (See Clement, Frank M., assignor.)
- Ratzlaff, Fern E., et al. (See Clement, Frank M., assignor.)
- Ratzlaff, Henry T., Oakland, Calif. Automobile bed. 1,956,044; Apr. 24.
- Rau, Harry A. (See Huntley, G. J., and Rau.)
- Rau, Henry V., Amityville, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Tufting anchor. 1,981,070; Nov. 20.
- Rau, Henry V., Amityville, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Fastener cap. 1,983,879; Dec. 11.
- Rau, William L., Cleveland, Ohio. Insulated and waterproof masonry wall construction. 1,959,176; May 15.
- Rauch, Charles F., St. Louis, Mo. A metal chair or similar article. Des. 93,794; Nov. 6.
- Raudebaugh, Warren B. (See Hott, I. V. K., Webster, and Raudebaugh.)
- Raue, Hugo C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Mercury switch. 1,978,817; Oct. 30.
- Rauen, Carl F. (See Caldwell, F. W., and Rauen.)
- Rauen, Carl F., and J. T. Rauen, Dayton, Ohio; said J. T. Rauen assignor to said Carl F. Rauen. Muffler for internal combustion engines and the like. 1,953,264; Apr. 3.
- Rauen, John T. (See Rauen, Carl F. and J. T.)
- Raule, Clifford T., Brookline, Pa. Oil circulating pump for bearings. 1,973,099; Sept. 11.
- Raupach, Wilhelm, and F. Kalkner, Nuremberg, Germany, assignors to Westinghouse Electric and Manufacturing Company. Welding method. 1,984,988; Dec. 18.
- Rausch, Gottfried, Ammendorf, near Halle-on-the-Saale, Germany. Intermittent drive mechanism. 1,964,081; June 26.
- Rausch, Karl W. (See Chadwick, L. S., Resek, and Rausch.)
- Rauf, Clarence H., Chicago, Ill. Shoe construction. 1,947,922; Feb. 20.
- Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,949,487; Mar. 6.
- Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,985,460; Dec. 25.
- Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,985,461; Dec. 25.
- Raviola, John B., and J. E. Padgett, Toledo, Ohio. Universal joint. 1,967,842; July 24.
- Ravizza, Louis. (See Samaras, S., and Ravizza.)
- Raw, Charles, Toledo, Ohio. Ventilating attachment for windows. 1,977,206; Oct. 16.
- Rawling, Francis G. (See Truquair, J., and Rawling.)
- Rawlings, Arthur L., London, England, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic base line. 1,950,517; Mar. 13.
- Rawlings, Ethel F., Belmont, Mass. Freezing container for refrigerators. 1,952,729; Mar. 27.
- Rawlings, Ethel F., Watertown, Mass. Spool holder or the like. 1,976,037; Oct. 9.
- Rawlings, John J., assignor of one-half to The Rawlplug Company Limited, London, England. Wall plug. 1,942,256; Jan. 2.
- Rawlings, John J., South Kensington, London, assignor to The Rawlplug Company Limited, London, England. Percussive hand tool. 1,944,572; Jan. 23.
- Rawlings, Samuel J., Kearny, N. J. Door holder. 1,967,592; July 24.
- Rawlins, Herbert L. (See Strom, A. P., and Rawlins.)
- Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 1,976,634; Oct. 9.
- Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 1,981,709; Nov. 20.
- Rawlplug Company, The. (See Gelpcke, Alfred W., assignor.)
- Rawlplug Company Limited, The. (See Rawlings, John J., assignor.)
- Rawls, Paul C., assignor to Technical Equipment Company, Des Moines, Iowa. High frequency oscillatory apparatus for electro-therapeutic and sterilization purposes. 1,945,867; Feb. 6.
- Rawson, Emanuel, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y. Bracing for coiled tubular units. 1,973,100; Sept. 11.
- Rawson, Emanuel, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust steam injector. 1,984,547; Dec. 18.
- Ray, Arthur W., Leigh-on-Sea, England. Flexible or indestructible wing or mudguard for motor vehicles, cycles, and the like. 1,959,037; May 15.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,972,237; Sept. 4.
- Ray, Frank T., et al. (See Walde, Albert H., assignor.)
- Ray, Fred B., and C. G. Schmid, assignors to Insley Manufacturing Company, Indianapolis, Ind. Road shoulder finishing machine. 1,981,284; Nov. 20.
- Ray, Hugh P. (See Newton, E. E., Ray, and Maurer.)
- Ray, Iver, Blooming Prairie, Minn. Amusement device—coin controlled. 1,976,373; Oct. 9.
- Ray, William H., Chicago, Ill. Power driven tool. 1,984,282; Dec. 11.
- Raybestos-Manhattan, Inc. (See Albert, Hamilton, assignor.)
- Raybestos-Manhattan, Inc. (See Begg, Claude T., assignor.)
- Raybestos-Manhattan, Inc. (See Luttenberger, Benjamin W., assignor.)
- Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)
- Raybestos-Manhattan, Inc. (See Repony, Daniel, assignor.)
- Raybestos-Manhattan, Inc. (See Repony, D., and Matthews, assignors.)
- Raybestos-Manhattan, Inc. (See Ross, Walter H., assignor.)
- Raybestos-Manhattan, Incorporated. (See Walker, Robert H., assignor.)
- Raybestos-Manhattan, Inc. (See Weaver, Jesse M., assignor.)
- Raybould, Frank J., Erie, Pa. Connector. 1,955,830; Apr. 24.
- Raybould, Frank J., Erie, Pa. Connector. 1,955,831; Apr. 24.
- Raybould, Frank J., Erie, Pa. Connector. 1,955,832; Apr. 24.
- Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Rotary hydraulic power transmission. 1,943,929; Jan. 16.
- Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Power apparatus. 1,944,999; Jan. 30.
- Rayburn, Alden G., Sausalito, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Torque-resisting arrangement for vehicles. 1,947,358; Feb. 13.
- Ray-Dio-Ray Corporation. (See Golden, Kenneth E., assignor.)
- Rayfield, Charles L., Chicago, Ill. Mixing pump. 1,967,260; July 24.
- Ray-Glo Corporation. (See Cuyler, Robert F., assignor.)
- Ray-Glo Corporation. (See Cuyler, R. F., and Hartford, assignors.)
- Raylite Trading Company, Inc. (See Abramson, Abraham, assignor.)
- Raymer, Ira S., Beaver, Pa. Safety appliance for brakemen. 1,955,473; Apr. 17.
- Raymond Brothers Impact Pulverizer Co., The. (See Senseman, William B., assignor.)
- Raymond Concrete Pile Company. (See Schroeder, Frederick A., assignor.)
- Raymond Concrete Pile Company. (See Smith, Edward A., assignor.)
- Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)
- Raymond, Gwynne, Kansas City, Mo. Float. 1,950,191; Mar. 6.
- Raymond, Gwynne, R. A. Morgen, and F. Fair, Kansas City, Mo. Clarification apparatus. 1,956,833; May 1.
- Raymond, Henry. (See Simon, A. W., Kron, and Raymond.)
- Raymond, Horace H. (See Roby, S. S., and Raymond.)
- Raymond, Horace H., Kensington, Conn. Magnetic handling. 1,952,777; Mar. 27.
- Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Assorting apparatus. 1,961,892; June 5.
- Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Airplane gasoline gauge. 1,979,705; Nov. 6.
- Raymond, Lambert L., Minneapolis, Minn. Christmas tree ornament. Des. 93,890; Nov. 20.
- Raymond, Lambert L., Minneapolis, Minn. Decorating device. 1,976,093; Oct. 9.
- Raymond, Morris, Brooklyn, N. Y. Garment hanger. 1,970,943; Aug. 21.
- Raymond, Ward, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Regulator for fluid compressors. 1,978,387; Oct. 23.
- Raymond, William A., and G. A. Humason, Houston, Tex. Control head. 1,944,573; Jan. 23.
- Rayner, Harry. (See McCleary, F. E., Babo, and Rayner.)
- Rayner, John, Jersey City, N. J. Threaded fastening. 1,966,520; July 17.
- Raynolds, John F., assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Fluid pressure control apparatus for pressing machines. 1,944,462; Jan. 23.
- Raynolds, John F., assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Laundry press. 1,966,645; July 17.
- Raynor, Arthur H. (See Clark, Charles, assignor.)

- Raynor, John S., Holmesburg, Pa. Plaster bed. 1,983,994; Dec. 11.
- Raynsford, Arthur, Bergenfield, and W. T. Haines, Mountain Lakes, N. J.; said Raynsford assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Haines assignor to American Telephone and Telegraph Company. Telephone system. 1,944,269; Jan. 23.
- Raytheon Manufacturing Company. (See Fleming, Wilfred K., assignor.)
- Raytheon Manufacturing Company. (See Le Van, James D., assignor.)
- Raytheon Manufacturing Company. (See Marshall, Laurence K., assignor.)
- Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)
- Raytheon Manufacturing Company. (See Spencer, Percy L., assignor.)
- Raytheon Production Corporation. (See Replogle, Delbert E., assignor.)
- Raytheon Production Corporation. (See Spencer, John A., assignor.)
- Raytheon Production Corporation. (See Weeks, Paul T., assignor.)
- Razek, Joseph, Upper Darby, and P. J. Mulder, Drexel Hill, Pa. Method of and apparatus for determining the intensity of colors. 1,961,365; June 26.
- Rea Magnet Wire Company, Inc. (See Rea, Victor F., assignor.)
- Rea, Victor F., Fort Wayne, Ind., assignor to Rea Magnet Wire Company, Inc. Spool structure. 1,985,742; Dec. 25.
- Rea, Walter C., assignor to Detachable Bit Corporation of America, New York, N. Y. Drill. 1,943,879; Jan. 16.
- Rea, Walter C., assignor to Detachable Bit Corporation of America, New York, N. Y. Drill. 1,943,880; Jan. 16.
- Rea, Walter C., assignor to Detachable Bit Corporation of America, New York, N. Y. Drill. 1,970,673; Aug. 21.
- Rea, Walter S., Minneapolis, Minn., assignor, by mesne assignments, to M. Dysthe. Portable grease gun. 1,949,761; Mar. 6.
- Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Bias control in telegraph communication. 1,958,523; May 15.
- Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Telegraph alarm circuit. 1,977,776; Oct. 23.
- Reach, Milton B., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf club. 1,942,122; Jan. 2.
- Read, Arthur, assignor to S. J. Douglas, Portland, Oreg. Pouring spout for containers. 1,954,576; Apr. 10.
- Read, Arthur E., Bronx, assignor of one-half to I. J. Henry, Garden City, L. I., N. Y. Squeezing apparatus. 1,944,904; Jan. 30.
- Read, Carlyle D., Dunkirk, N. Y., and R. L. Holcomb, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Filtration of petroleum tars. Re19,161; May 8.
- Read, Cyril M., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Speed changing device. 1,971,166; Aug. 21.
- Read, Cyril M., assignor to Stewart-Warner Corporation, Chicago, Ill. Speed changing device for movement registering mechanism. 1,984,082; Dec. 11.
- Read, Earl A., Canton, Ohio. Current conducting film cue mark. 1,950,518; Mar. 13.
- Read, Earle S., New York, N. Y., assignor of one-fourth to Jos. M. Sanders, jr., as trustee for himself, J. H. Shot, A. G. Fox, A. L. Tyree, and C. W. Freeman, Bluefield, W. Va. Cooling system. 1,949,812; Mar. 6.
- Read, George B., Bloomington, Ill. Fertilizer distributor. 1,959,108; May 15.
- Read, Harold D., and L. C. Neufeld, assignors to Standard Oil Company, Chicago, Ill. Dry cleaning device. 1,943,552; Jan. 16.
- Read, Harold L., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card reproducing machine. 1,962,750; June 12.
- Read, Harold L., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,982,020; Nov. 27.
- Read, John, St. Andrews, and W. J. Grubb, Anstruther Wester, Scotland. Manufacture of optically active menthols. 1,949,329; Feb. 27.
- Read, Robert E., White Plains, assignor to Holed-Tite Packing Corporation, New York, N. Y. Packing tray or flat for fragile articles. 1,960,279; May 29.
- Read, Robert E., White Plains, N. Y., assignor to International Paper Company. Grindstone. 1,963,247; June 19.
- Read, Verne R., Akron, Ohio. Apparatus for treating cleaning solvents. 1,956,997; May 1.
- Reading Hardware Corporation. (See Lyons, Arthur G., assignor.)
- Reading Hardware Corporation. (See Lyons, A. G., and Sterrett, assignors.)
- Reading Iron Company. (See Gross, Harry E., assignor.)
- Reading, Raymond L. (See Fruth, H. F., and Reading.)
- Reading, Raymond L., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating materials. 1,947,546; Feb. 20.
- Ready, William A., Brookline, Mass., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Agricultural implement and marking the same. 1,973,101; Sept. 11.
- Ready, William A., Brookline, Mass., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Making D-handles. 1,982,177; Nov. 27.
- Reagan, Edgar U. G., assignor of one-half to C. F. Harvey and one-fourth to G. E. Hawley, Detroit, Mich. Engine. 1,978,762; Oct. 30.
- Reagan, Raymond W., Philadelphia, Pa. Bib. 1,980,436; Nov. 13.
- Reagle, George E., Jamestown, N. Y. Ladder. 1,961,781; June 5.
- Real Estate-Land Title and Trust Company. (See Brown, Francis H., assignor.)
- Realistic Permanent Waving Machine Company, The. (See Decker, George, assignor.)
- Reama, George H., assignor to The Whirldry Corporation, New Haven, Conn. Gearing for laundry machines. 1,957,978; May 8.
- Reamy, Christopher S., Los Angeles, Calif. Cream separator. 1,950,695; Mar. 13.
- Reamy, Christopher S., Los Angeles, Calif. Can cover. 1,979,706; Nov. 6.
- Reaney, Russell J., Ottawa, Ontario, Canada. Gear mechanism. 1,944,370; Jan. 23.
- Rear, James C., San Francisco, Calif., assignor to Link-Belt Company, Chicago, Ill. Car icer. 1,978,226; Oct. 23.
- Reardon, Earl T., assignor to Wagner Electric Corporation, St. Louis, Mo. Rotor for dynamo-electric machines. 1,980,698; Nov. 13.
- Reardon, Harvey J., Chicago, Ill. Duplicating device. 1,979,811; Nov. 6.
- Reardon, Harvey J., Chicago, Ill. Printer's apparatus. 1,985,551; Dec. 25.
- Rearick, John S. (See Goodwin, R. T., Rearick, and Ferguson.)
- Rearick, Walter S. (See Boyer, D. A., and Rearick.)
- Reaser, William A., and E. A. Ziems, Toledo, Ohio. Drain plug. 1,958,800; May 15.
- Reasoner, James A., Lancaster, Ohio. Tank cap lock. 1,953,019; May 8.
- Reaux, Herbert C., Toledo, Ohio. Locking device for revolving members. 1,979,051; Oct. 30.
- Reavell, James A., London, England, assignor to Parks-Cramer Company, Boston, Mass. Expansion mechanism for oil heating systems. 1,951,560; Mar. 20.
- Reavis, Winfred E. (See Gannon, J., Reavis, and Baker.)
- Reavis, Winfred E., and G. Kirste, assignors to Pacific Library Binding Co., Los Angeles, Calif. Binding sheets into books. 1,975,373; Oct. 2.
- Rebber, Leland L., San Pedro, A. S. Crossfield, Wilmington, and E. G. Ragatz, Berkeley, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus for heating and cracking oil. 1,979,639; Nov. 6.
- Reber, Selah M., assignor to Ever-Dry Laboratories, Inc., Los Angeles, Calif. Swab. 1,962,875; June 12.
- Rebl, Carl, Brooklyn, N. Y. Multifilament lamp. 1,948,428; Feb. 20.
- Rebner, Johannes, Finow, near Eberswalde, assignor to Schering-Kahlbaum, A. G., Berlin, Germany. Producing terpenes. 1,967,430; July 24.
- Reboul, Raoul C., Paris, and P. Boissou, assignors to Societe Anonyme des Hauts-Fourneaux et Fonderies de Pont-a-Mousson, Pont-a-Mousson, France. Device for the production of artificial smoke. 1,972,600; Sept. 4.
- Rechlicz, Anthony J., Milwaukee, Wis. Combination and convertible baby walker. 1,981,285; Nov. 20.
- Rechnitzer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Uncontrolled radio circuit. 1,949,842; Mar. 6.
- Rechten, George, Hasbrouck Heights, assignor of one-third to I. W. Smith, Newark, N. J., and one-third to J. J. Keegan, Brooklyn, N. Y. Dispensing device. 1,948,227; Feb. 20.
- Recker, Adolph C., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Portable flash light. Des. 94,163; Dec. 25.
- Recker, Adolph C., Oakville, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Radiator unit and producing the same. 1,960,955; May 29.
- Recker, Adolph C., Oakville, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Adjustable telescoping support. 1,970,624; Aug. 21.
- Recker, Adolph C., Oakville, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Check valve. 1,975,477; Oct. 2.
- Reclamation Company, The. (See De Vaney, F. D., and Clemmer, assignors.)
- Reconstruction Finance Corporation. See Meyercord, George R., assignor.)
- Record, Forrest M., Beverly Hills, assignor of one-half to G. Travers, Los Angeles, Calif. Athletic protector. 1,972,275; Sept. 4.
- Rector, Enoch, New York, N. Y., assignor to Rector Gasifier Company, Waukesha, Wis. Antidetonating means. 1,975,619; Oct. 2.
- Rector Gasifier Company. (See Rector, Enoch, assignor.)
- Rector, Robert L., Alford, Tex. Rotary drill and clean out machine. 1,956,200; Apr. 24.
- Rector, Thomas M., Rutherford, N. J. Forming transparent containers. 1,957,554; May 8.

- Reda Pump Company. (See Arutunoff, Armais, assignor.)
 Red Arrow Electric Corporation. (See Pfeil, Arthur, assignor.)
 Red Boy, Inc. (See De Foe, E. G., and Bramming, assignors.)
 Redd, William R., Western Springs, Ill. Apparatus for treating and seasoning paper. 1,949,330; Feb. 27.
 Redd, William R., Western Springs, Ill., assignor to Milprint Products Corporation, Milwaukee, Wis. Apparatus for subjecting clothes to ultra-violet radiation and ozone in laundry operations. 1,948,239; Feb. 20.
 Redd, William R., Western Springs, Ill., assignor to Milprint Products Corporation, Milwaukee, Wis. Ozone generator. 1,948,240; Feb. 20.
 Reddellien, Gustav, Leipzig, H. Ohlendorf, Dessau-in-Anhalt, and K. Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works Inc., New York, N. Y. Water-insoluble azo dyes. 1,978,763; Oct. 30.
 Reddick, Herbert G. (See Langenberg, F. C., and Reddick.)
 Reddin, Thomas P., Long Island City, N. Y. Package humidifier and drier. 1,954,577; Apr. 10.
 Redding, Harry B., Columbus, Ohio. Tie bar and seal for meter connections. 1,973,658; Sept. 11.
 Reddish, Warren T. (See Fischer, C., and Reddish.)
 Reddish, Warren T., and L. D. Myers, assignors to The Twitchell Process Company, Cincinnati, Ohio. Obtaining mineral oil sulphates. 1,960,828; May 29.
 Redfield, John H., Denver, Colo. Rear sight for guns. 1,970,623; Aug. 21.
 Redfield, Howard A. (See Lynch, T. L., Rilling, and Redfield.)
 Redington, F. B. Co. (See Milmo, Michael J., assignor.)
 Redler, Arnold, Sharpness, England, assignor to Redler Conveyor Company, Quincy, Mass. Conveyor. 1,970,250; Aug. 14.
 Redler, Arnold, Sharpness, England, assignor to Redler Conveyor Company, Quincy, Mass. Conveyor. 1,980,088; Nov. 6.
 Redler Conveyor Company. (See Elmer, Nixon W., assignor.)
 Redler Conveyor Company. (See Redler, Arnold, assignor.)
 Redman, Frank R., Upper Darby, assignor to Resilient Rayons, Inc., Philadelphia, Pa. Making resilient cellulosic textile fibers. 1,945,449; Jan. 30.
 Redman, Gladys B., Greenwich, Conn. One piece sport dress or similar article. Des. 91,329; Jan. 9.
 Redmer, Martin H., Chicago, Ill. Stock feeding collet. 1,941,999; Jan. 2.
 Redmond, Albert G., Flint, Mich. Electric motor. 1,974,691; Sept. 25.
 Redmond, James W., Dayton, Ohio. Time controlled electric switch. 1,943,040; Jan. 9.
 Redner, Arthur D. (See Brazel, F. W., Redner, Skinner, and Williams.)
 Redner, Arthur D., assignor to Skinner Motors, Inc., Detroit, Mich. Filter. 1,969,033; Aug. 7.
 Rednour, William H., Edwardsport, Ind. Trailer coupling. 1,952,565; Mar. 27.
 Redpath, James S. (See Redpath, Robert C. and J. S.)
 Redpath, Robert C. and J. S., Johnson County, Kans. Harvester for low growing seed crops, such as lespedeza, clover, and cow peas. 1,960,978; May 29.
 Red River Refining Company. (See Schulze, J. E., and McArdle, assignors.)
 Redrup, Charles B., assignor to The Bristol Tramways & Carriage Company Limited, Bristol, England. Swash plate mechanism for engines. 1,948,827; Feb. 27.
 Redrup, Will D., assignor to Majestic Company, Huntington, Ind. Folding door construction. 1,944,870; Jan. 23.
 Redshaw, Joseph G., East Lynn, Mass., assignor, by mesne assignments, to Perfect Burner Company. Oil burner. 1,975,288; Oct. 2.
 Reece Button Hole Machine Company, The. (See McAviney, Francis J., assignor.)
 Reece Button Hole Machine Company, The. (See Pikul, Joseph H., assignor.)
 Reece Button Hole Machine Company, The. (See Pikul, Joseph H., assignor.)
 Reece Button Hole Machine Company, The. (See Zilinsky, Dave, assignor.)
 Reece, Floyd M., assignor to O'Brien Varnish Company, South Bend, Ind. Treatment of China-wood oil to produce a liquid ungelled oil and product thereof Re19,807; Sept. 4.
 Reece Folding Machine Company. (See Dixon, Walter L., assignor.)
 Reece Folding Machine Company. (See Dixon, W. L., and Pikul, assignors.)
 Reece Folding Machine Company. (See Gilbert, Alfred G., assignor.)
 Reece, Hubert, et al. (See Stevens, Wesley E., assignor.)
 Reece Shoe Machinery Company. (See Oliver, John R., assignor.)
 Reece, Theodore R. (See Nelson, Robert, assignor.)
 Reed, Arthur G., Swissvale, Pa., assignor, by mesne assignments, to Transit Mixers, Inc., San Francisco, Calif. Mixing apparatus. 1,945,868; Feb. 6.
 Reed, Bess L. (See Gill, Eldridge B., assignor.)
 Reed, C. A., Company. (See Bartlett, Floyd H., assignor.)
 Reed, C. A., Company. (See Kissinger, Arthur T., assignor.)
 Reed Candy Company. (See Reed, Clarence D., assignor.)
 Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Single pass heat exchanger. 1,942,878; Jan. 9.
 Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Two pass heat exchanger. 1,962,362; June 12.
 Reed & Carnrick. (See Eldred, Frank R., assignor.)
 Reed, Charles L., Corning, N. Y. Antiskid device. 1,979,772; Nov. 6.
 Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,948,130; Feb. 20.
 Reed, Clarence D., assignor to Reed Candy Company, Chicago, Ill. Candy. Des. 93,287; Sept. 11.
 Reed, Clarence D., assignor to Reed Candy Company, Chicago, Ill. Display holder or package. 1,941,757; Jan. 2.
 Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring apparatus. 1,956,729; May 1.
 Reed, Clifford L., Seattle, Wash. Fuel supply means for oil engines. 1,970,866; Aug. 21.
 Reed, Daniel J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Conveyor. 1,983,492; Dec. 4.
 Reed, E. P., & Co. (See Ebling, Walter E., assignor.)
 Reed, Forrest C., Kansas City, Mo. Direct syntheses of ammonia. 1,952,021; Mar. 20.
 Reed, Forrest C., Kansas City, Mo. Producing compounds containing carbon, hydrogen, and oxygen. 1,959,219; May 15.
 Reed, Forrest C., Kansas City, Mo. Apparatus for the production of carbon black. 1,980,827; Nov. 13.
 Reed, George B., Philadelphia, Pa. Pedal attachment for dancing and the like. 1,984,989; Dec. 18.
 Reed, George B., Brooklyn, N. Y., assignor of forty-five per cent to A. T. Baker and twenty-five per cent to W. F. Meredith, Princeton, N. J. Method and apparatus for making pile fabrics. 1,970,625; Aug. 21.
 Reed, George M., Yeadon, Pa., assignor to General Electric Company. Electric switchgear. 1,953,822; Apr. 3.
 Reed, George M., Yeadon, Pa., assignor to General Electric Company. Electrical switchgear. 1,968,619; July 31.
 Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Clutch plate. 1,952,892; Mar. 27.
 Reed, Harry S., and R. D. Lamie, East Lansing, Mich. Apparatus and process for distilling and treating coal and other carbonaceous materials. 1,980,828; Nov. 13.
 Reed, Harvey D., Abington, and H. H. Kent, assignors to Regal Shoe Company, Whitman, Mass. Ventilated shoe. 1,946,986; Feb. 13.
 Reed, Herbert C., Stamford, Conn., assignor to Niacet Chemicals Corporation. Treating hides. 1,957,020; May 1.
 Reed, Ira F., Johnstown, Pa. Building construction. 1,955,515; Apr. 17.
 Reed, Leon H., assignor to Lyon Cover Company, Detroit, Mich. Tire cover and lock. 1,976,038; Oct. 9.
 Reed, Lewis I., Berkeley, Calif. Draft appliances for carbonated beverages. 1,980,500; Nov. 13.
 Reed, Llewelyn M., Devon, Conn., assignor of three-fourths to Bundy Steam Trap Company, Nashua, N. H. Steam trap. 1,985,059; Dec. 18.
 Reed Manufacturing Company. (See Petersen, Thorvald, assignor.)
 Reed Manufacturing Company. (See Wright, Ross P., assignor.)
 Reed, Melvin C., Rutherford, N. J., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Method and apparatus for removing liquids and gases from manholes, pits, and the like. 1,942,570; Jan. 9.
 Reed, Raymond E., assignor to The Kendall Company, Chicago, Ill. Plaster of Paris bandage and preparing same. 1,953,898; Apr. 3.
 Reed, Raymond E., assignor to The Kendall Company, Chicago, Ill. Heat producing composition and chemically generating heat. 1,978,388; Oct. 23.
 Reed, Robert F., Norwood, Ohio, assignor to The Lithographic Technical Foundation, Inc., New York, N. Y. Hygroscopic. 1,984,233; Dec. 11.
 Reed, Robert G., Dorchester, Mass. Nonskid mechanism for vehicles. 1,946,712; Feb. 13.
 Reed, Roland K., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Device for inserting waxed paper ends in waxed paper bottle bodies. 1,962,213; June 12.
 Reed Roller Bit Company. (See Behnke, Guy E., assignor.)
 Reed Roller Bit Company. (See Giesey, Russell, assignor.)
 Reed Roller Bit Company. (See Harrington, George G., assignor.)
 Reed Roller Bit Company. (See Humason, G. A., and Logan, assignors.)
 Reed, Stanley M., Summit, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 1,982,069; Nov. 27.
 Reed, Thomas L., Los Angeles, Calif. Right hand or left hand safety sadiron. 1,965,804; July 10.
 Reed, Webster C., Little Rock, Ark. Safety device for brake beams of railway cars. 1,947,615; Feb. 20.
 Reed, William A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe finishing tool. 1,943,457; Jan. 16.
 Reed, William A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe finishing tool. 1,948,673; Feb. 27.

- Reed, William A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading tool. 1,948,674; Feb. 27.
- Reed, William A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading tool. 1,984,430; Dec. 18.
- Reed, William R., Victorville, Calif. Antiglare attachment for lamp bulbs. 1,954,145; Apr. 10.
- Reeder, Ambrose T., Beatrice, and O. E. Munson, Genoa, Nebr. Adjustable motor light. 1,961,248; June 5.
- Reedy, Alfred J., and W. L. Smith, assignors to A-B Stove Company, Battle Creek, Mich. Oven and oven shelf. 1,961,391; June 5.
- Reedy, Emmett M. (See Smith, M. F., and Reedy.)
- Reedy, Emmett M., assignor to Mueller Co., Decatur, Ill. Shower head. 1,982,538; Nov. 27.
- Reeh, Joannes E. W., Chateaufort, assignor to Société Anonyme de Conservation Industrielle du Poisson, Paris, France. Refrigerator. 1,942,307; Jan. 2.
- Reel, Herbert W. (See Birdsey, C. B., and Reel.)
- Reels, George W. (See Hauser, D. A., and Reels.)
- Reep, James D., Beaver, assignor to Donart Products Company, Pittsburgh, Pa. Vase marker. 1,973,102; Sept. 11.
- Rees, Fred, Meriden, Conn. Ash receptacle. Des. 92,679; July 3.
- Rees, Harry V., and C. F. Teichmann, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,955,607; Apr. 17.
- Rees, Herbert C., San Antonio, Tex. Ophthalmic mounting and forming same. 1,950,747; Mar. 13.
- Rees, Hugh E., Richmond, Va. Automatic printing device. 1,957,291; May 1.
- Rees, John V. (See Ferns, Ethel M., assignor.)
- Reese, Anabel H., assignor of one-half to L. J. White, Petersburg, Va. Warmer for nursing bottles. 1,979,666; Nov. 6.
- Reese, Lemuel V., and G. W. Johnson, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Paper pulp extractor. 1,981,924; Nov. 27.
- Reese, Thomas S., Cleveland, Ohio. Mounting transfer decorations. 1,982,927; Dec. 4.
- Reese, William W., Upper Darby, Pa. Outlet box for electric installation. 1,972,794; Sept. 4.
- Reeson, Frank A. (See Parkinson, R. H., and Reeson.)
- Reetz, August W., Bay City, Mich. Trailer coupling. 1,953,365; Apr. 3.
- Reetz, Carl G. (See Goodrich, G. N., and Reetz.)
- Reetz, Carl G., assignor to National Battery Company, St. Paul, Minn. Power seal for batteries. 1,977,972; Oct. 23.
- Reeve, Elmer W., Chicago, Ill., assignor to American Telephone and Telegraph Company. Regenerative repeater. 1,967,868; July 24.
- Reeve, Elmer W., Chicago, Ill., assignor to American Telephone and Telegraph Company. Telegraph system. 1,982,022; Nov. 27.
- Reeve, George A., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Device for the selective removal and assembly of articles. 1,950,192; Mar. 6.
- Reeve, Lewis, assignor to A. O. Smith Corporation, Milwaukee, Wis. Hygrometer. 1,942,934; Jan. 9.
- Reeve, Welta, Irvington, N. J. Vacuum cleaner. 1,944,270; Jan. 23.
- Reeves, Beauford H., New Haven, Conn., assignor to Rockbestos Products Corporation. Insulated electrical conductor. 1,946,831; Feb. 6.
- Reeves, Beauford H., assignor to Rockbestos Products Corporation, New Haven, Conn. Insulated electrical conductor. 1,982,539; Nov. 27.
- Reeves, Beauford H., New Haven, Conn., assignor to Rockbestos Products Corporation. Insulated electrical conductor. 1,953,563; Dec. 11.
- Reeves, Beauford H., Pine Orchard, Conn., assignor to Rockbestos Products Corporation. Insulated electrical conductor. 1,983,564; Dec. 11.
- Reeves, Donald H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,952,282; Mar. 27.
- Reeves, Edward R., assignor to Columbus Heating and Ventilating Company, Columbus, Ohio. Furnace. 1,952,023; Mar. 20.
- Reeves, Edwin A., assignor to The Reeves Engineering Company, Milford, Conn. Refrigerating apparatus. 1,957,292; May 1.
- Reeves Engineering Company, The. (See Reeves, Edwin A., assignor.)
- Reeves, Eugene, Los Angeles, Calif. Tag for cakes of soap. 1,983,002; Dec. 4.
- Reeves, George. (See Hall, J., Olpin, Reeves, and Kirk.)
- Reeves, George C., assignor to Dryden Rubber Company, Chicago, Ill. Power transmission device. 1,980,437; Nov. 13.
- Reeves Manufacturing Company, The. (See Hunker, Martin L., assignor.)
- Reeves Manufacturing Company, The. (See Hunker, M. L., and Miller, assignors.)
- Reeves Manufacturing Company, The. (See Thompson, Frank W., assignor.)
- Reeves, Mark W., Poughkeepsie, N. Y. Winter front for automobile radiators. 1,958,767; May 15.
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,984,598; Dec. 18.
- Reeves, Paul B. (See Brooks, H. E., and Reeves.)
- Reeves, Paul B. (See Clay, H. C., Irwin, and Reeves.)
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Variable speed grinder. 1,949,975; Mar. 6.
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Variable speed unit. 1,963,807; June 19.
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Spinning frame drive. 1,985,838; Dec. 25.
- Reeves Pulley Company. (See Brooks, H. E., and Reeves, assignors.)
- Reeves Pulley Company. (See Clay, H. C., Irwin, and Reeves, assignors.)
- Reeves Pulley Company. (See Reeves, Paul B., assignor.)
- Reeves, Waverly A. (See Moss, S. A., Puffer, and Reeves.)
- Reffell, Alan H. (See Dagnall, R. F., and Reffell.)
- Refining, Inc. (See Clayton, B., Kerrick, and Stadt, assignors.)
- Refining, Inc. (See Lipp, Elmer L., assignor.)
- Reflector Hardware Corporation. (See Kraft, Fred W., assignor.)
- Refrigerating Equipment Company. (See Semans, H. L., and Haddaeus, assignors.)
- Refrigeration Appliances, Inc. (See Krackowizer, Hermann J., assignor.)
- Refrigeration Patents and Processes, Inc. (See Grayson, Ralph V.)
- Refrigeration Research Corporation. (See Knight, Donald B., assignor.)
- Regal Shoe Company. (See Bliss, Elmer J., assignor.)
- Regal Shoe Company. (See Bliss, E. J., and Clarke, assignors.)
- Regal Shoe Company. (Clarke, Harold E., assignor.)
- Regal Shoe Company. (See Reed, H. D., and Kent, assignors.)
- Regalite, Inc. (See Wehrenberg, George E., assignor.)
- Regan, Caroline. (See Regan, Charles F., assignor.)
- Regan, Charles F., assignor to C. Regan, New York, N. Y. Furnace grate. 1,976,746; Oct. 16.
- Regan, John E., assignor to The Lamson Company, Syracuse, N. Y. Coupling. 1,972,601; Sept. 4.
- Regan Safety Devices Company, The. (See Horst, Herbert C., assignor.)
- Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
- Regan, William J., Wilkinsburg, assignor to McConway & Torley Corporation, Pittsburgh, Pa. Coupler shield. 1,949,813; Mar. 6.
- Regan, William J., Wilkinsburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Radial coupler mechanism. 1,968,705; July 31.
- Regan, William J., Wilkinsburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,968,706; July 31.
- Regan, William J., Wilkinsburg, and E. George, jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft rigging. 1,955,516; Apr. 17.
- Regan, William J., Wilkinsburg, and E. George, jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,982,234; Nov. 27.
- Regenauer, Adolph, and F. E. Reynolds, Waukegan, Ill.; said Reynolds assignor to said Regenauer. Electric socket connection. 1,944,719; Jan. 23.
- Regenhardt, Walter F., Cleveland, Ohio. Sectional filing cabinet. 1,983,307; Dec. 4.
- Regenold, Charlie S., sr., Memphis, Tenn. Amusement apparatus. 1,948,995; Feb. 27.
- Regensburger, Richard W., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Egg packing. 1,941,954; Jan. 2.
- Reger, Martin. (See Ewest, H., and Reger.)
- Reger, Martin. (See Gaidies, G., and Reger.)
- Reger, Martin. (See Pirani, M., and Reger.)
- Reger, Martin. (See Pirani, M., Reger, and Gaidies.)
- Reger, Martin, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,971,942; Aug. 28.
- Reger, Martin, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge lamp. 1,971,943; Aug. 28.
- Regerbis, Wilhelm, and O. P. Ziesche, assignors to Hermsdorf-Schomburg-Isolatoren Gesellschaft mit beschränkter Haftung, Hermsdorf, Germany. Suspension insulator. 1,960,190; May 22.
- Rees, Max F., administrator. (See Freeman, Hubert M.)
- Reester, Ramsay G., Philadelphia, Pa., assignor to Gill Glass & Fixture Company. Advertising sign. 1,962,838; June 12.
- Reggio, Steven. (See Halabi, Deborah and V. N., and Reggio.)
- Rego, Charles E., East Boston, Mass. Safety device for manhole covers. 1,955,018; Apr. 17.
- Reh, Mathias, New York, N. Y. Resilient grip for shoes. 1,966,135; July 10.
- Reh, Max W., Bronx, N. Y. Serving dish. Des. 93,520; Oct. 2.
- Rehkopf, Theodore, Niagara Falls, N. Y. Folding crib and pen. 1,975,332; Oct. 2.
- Rehm, Alfred, W. Dorn, and E. Lang, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Ignition system. 1,957,396; May 1.
- Reiber, Albert H. (See Burcky, G. W., and Reiber.)
- Reiber, Albert H. (See Krum, H. L., and Reiber.)

- Reiber, Albert H., Evanston, assignor, by mesne assignments, to Teletype Corporation, Chicago, Ill. Selector. 1,919,321; Sept. 18.
- Reiber, Albert H., and M. T. Goetz, assignors to Teletype Corporation, Chicago, Ill. Keyboard perforator and counter. 1,984,317; Dec. 11.
- Reich, Albert, Vienna, Austria. Ink pad. 1,966,767; July 17.
- Reich, Gustave T., Philadelphia, Pa. Repurifying carbon dioxide gas. 1,978,508; Oct. 30.
- Reich, Hans. (See Zobel, Friedrich, and Reich.)
- Reich, John C., assignor to Pabst Corporation, Milwaukee, Wis. Container cover. 1,957,804; May 8.
- Reich, Otto C., Denver, Colo. Button fastener. 1,982,540; Nov. 27.
- Reich, Samuel, Brooklyn, N. Y. Collapsible egg box. 1,980,597; Nov. 13.
- Reich, Samuel, Brooklyn, N. Y. Folding egg box. 1,985,579; Dec. 25.
- Reich, Walter A., Kansas City, Mo. Display rack. 1,959,926; May 22.
- Reich, William S., Lewisville, N. C. Temperature control for heaters. 1,954,365; Apr. 10.
- Reichard, Theophile, Alameda, Calif. Shuffle board game. 1,963,382; June 19.
- Reichardt, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Control system for track switches. 1,966,418; July 10.
- Reichardt, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Thrust indicating device. 1,984,318; Dec. 11.
- Reichardt, Herman, Hollywood, Calif. Swinging holder. 1,948,131; Feb. 20.
- Reichart, William M., assignor to The Chandler & Price Company, Cleveland, Ohio. Paper cutting machine. 1,945,703; Feb. 6.
- Reiche, Karl F. A., Dresden, assignor to the firm Verkaufsstelle des Internationalen Susstoff-Syndikats Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Closing device for tins. 1,950,065; Mar. 6.
- Reichel, John, and H. A. Cheplin, assignors to Sharp & Dohme, Inc., Philadelphia, Pa. Lactobacilli concentrate. 1,957,555; May 8.
- Reichel, John, and H. A. Cheplin, assignors to Sharp & Dohme, Inc., Philadelphia, Pa. Lactobacilli, fruit, and vegetable juices. 1,955,622; Dec. 25.
- Reichel, Waldo, Cook, Minn. Decoy duck anchor. 1,967,902; July 24.
- Reichel, Walter. (See Maertens, K., Kopczynski, Reichel, and Weber.)
- Reichel, Vladimir A., Philadelphia, Pa., assignor to Aircraft Control Corporation. Magnetic compass. 1,977,954; Oct. 23.
- Reichert, Lester O., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making electrical cables. 1,956,730; May 1.
- Reichenbach, Howard F., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Snap-on hubcap or other closure. 1,953,634; Apr. 3.
- Reichenbach, Howard F., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Cocktail shaker. 1,969,386; Aug. 7.
- Reichert, Joseph S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Stabilization of peroxide solutions. 1,958,204; May 8.
- Reichert, Joseph S., and W. J. Sparks, Niagara Falls, N. Y. Leavening process. 1,953,567; Apr. 3.
- Reichert, Otto. (See Hagedorn, M., Gühring, and Reichert.)
- Reichert, Paul F. (See Hauser, T. E., and Reichert.)
- Reichhart, Rose, Rochester, N. Y. Golf bag. 1,961,454; June 5.
- Reichl, Ernst, New York, N. Y. Folding panel device. 1,944,696; Jan. 23.
- Reichmann, Reinhold, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Agent for polishing, sharpening, and grinding articles of great hardness. 1,984,841; Dec. 18.
- Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Electromagnetic circuit closer. 1,962,033; June 5.
- Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Electromagnetic switch. 1,962,034; June 5.
- Reichold, Ludwig, assignor to The Fitzgerald Manufacturing Company, Winsted, Conn. Thermal control for flatirons and similar devices. 1,974,997; Sept. 25.
- Reid, Andrew D. (See Kuhn, A., and Heitman, assignors.)
- Reid, Augustus M., assignor to Bessie Reid, New York, N. Y. Bracelet. Des. 93,422; Sept. 25.
- Reid, Augustus M., assignor to B. Reid, New York, N. Y. Bracelet. 1,978,168; Oct. 23.
- Reid-Avery Company. (See McHenry, Robert, assignor.)
- Reid, Bessie. (See Reid, Augustus M., assignor.)
- Reid, Earl, Chicago Ill. Brake. 1,974,509; Sept. 25.
- Reid, Ebenezer E., Baltimore, Md., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester of polycarboxylic acids. 1,984,283; Dec. 11.
- Reid, Ebenezer E., Baltimore, Md., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition and softener. 1,984,284; Dec. 11.
- Reid, Ernest W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Dewaxing petroleum oils. 1,947,359; Feb. 13.
- Reid, Ernest W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Composition of matter. 1,969,183; Aug. 7.
- Reid, Eugene H., Schenectady, N. Y., assignor to General Electric Company. Electric regulating system. 1,957,226; May 1.
- Reid, Frederick M., Detroit, Mich., assignor to Fruehauf Trailer Company. Transportation of automobiles. 1,958,926; May 15.
- Reid, George C., Rome, N. Y. Building construction. 1,978,324; Oct. 23.
- Reid, George H., Kingston-on-Thames, England. Incliner. 1,958,314; May 8.
- Reid, George H., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Process and apparatus for making ketene. 1,975,663; Oct. 2.
- Reid, Glenn P., Vancouver, British Columbia, Canada. Grip for golf clubs. 1,974,875; Sept. 25.
- Reid, James, New York, N. Y. Treated paper and producing the same. 1,956,961; May 1.
- Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Channel. 1,951,670; Mar. 20.
- Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Glass run channel structure. 1,951,671; Mar. 20.
- Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Channel. 1,967,514; July 24.
- Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Window channel. 1,978,325; Oct. 23.
- Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Channel structure. 1,978,326; Oct. 23.
- Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Window runway or channel. 1,978,327; Oct. 23.
- Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Window runway or channel. 1,978,911; Oct. 30.
- Reid, John, Tacoma, Wash. Piston expander. 1,975,974; Oct. 9.
- Reid, John G., San Jose, Calif., assignor to American Can Company, New York, N. Y. Electrical control system. 1,951,002; Nov. 20.
- Reid, Marvin J., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilizing cellulose nitrate. 1,962,327; June 12.
- Reid Products Company, The. (See Reid, James S., assignor.)
- Reiff, Orland M. (See Rath, J. B., Beard, jr., and Reiff.)
- Reiff, Orland M. (See Rath, J. B., Reiff, and Beard, jr.)
- Reiffel, Isadore. (See Hagedorn, M. G., and Reiffel.)
- Reiffel, William, Tuckahoe, N. Y. Dental universal molding frame. 1,972,238; Sept. 4.
- Reiffenstein, Manfred, Vienna, Austria. Water power engine. 1,955,683; Apr. 17.
- Reifsnnyder, James D., Flushing, assignor to Lilly-Tulip Cup Corporation, New York, N. Y. Machine for operating on paper containers. 1,962,787; June 12.
- Reifsnnyder, James D., Flushing, assignor to Lilly-Tulip Cup Corporation, New York, N. Y. Cup dispenser. 1,975,649; Oct. 2.
- Reil, Anton, New York, N. Y. Key finding index. 1,948,358; Feb. 20.
- Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Tray or the like. Des. 92,206; May 8.
- Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Tray or the like. Des. 92,207; May 8.
- Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Compact. 1,968,349; July 31.
- Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Compact. 1,968,350; July 31.
- Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Toilet article. 1,977,591; Oct. 16.
- Reilly, Alfred F., North Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Cigarette container construction. 1,957,293; May 1.
- Reilly, Emmet C., and H. D. Pennington, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Furnace charger. 1,984,032; Dec. 11.
- Reilly, Frank C., New York, N. Y. Electric sign. 1,967,066; July 17.
- Reilly, James C., et al. (See Kohler, W., and Marquardt.)
- Reilly, John H. (See Grube, J. J., Coleman, and Reilly.)
- Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Preparing tetrachloroethylene. 1,947,491; Feb. 20.
- Reilly, John H., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Manufacture of molded articles. 1,979,012; Oct. 30.
- Reilly, Peter C. (See Cunningham, Orin D., assignor.)
- Reilly, Peter C. (See Derby, Ira H., assignor.)
- Reilly, Peter C. (See Derby, I. H., and Cunningham, assignors.)
- Reilly, Peter C. (See Derby, I. H., and Horner, assignors.)
- Reilly, Peter C. (See Edwards, Carleton B., assignor.)
- Reilly, Peter C. (See Hansen, Mahlin S., assignor.)
- Reilly, William, South Ozone, and T. von Theim, South Nyack, N. Y., assignors, by mesne assignments, to Robert Gair Company, Inc., Wilmington, Del. Five panel lined carton. 1,956,159; Apr. 24.
- Reilly, William J., Denver, Colo. Centrifugal amalgamator. 1,951,108; Mar. 13.

- Reiman, Paul, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Textile fabric or similar article. Des. 91,369; Jan. 16.
- Reiman, Paul, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Textile fabric or similar article. Des. 91,370; Jan. 16.
- Reiman, Paul, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Textile fabric or similar article. Des. 91,371; Jan. 16.
- Reiman, Paul, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,412; Jan. 23.
- Reiman, Paul, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,413; Jan. 23.
- Reiman, Paul, assignor to Apollo Fabrics, Inc., New York, N. Y. Textile fabric. Des. 91,498; Feb. 13.
- Reiman, Paul, assignor to Apollo Fabrics, Inc., New York, N. Y. Textile fabric. Des. 91,499; Feb. 13.
- Reiman, Paul, assignor to Tioga Silk Company, Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 91,684; Mar. 6.
- Reiman, Paul, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,108; Apr. 24.
- Reiman, Paul, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,109; Apr. 24.
- Reiman, Paul, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,110; Apr. 24.
- Reiman, Paul, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,111; Apr. 24.
- Reimann, Albert, Ludwigshafen-on-the-Rhine, Germany. Making neutral sodium pyrophosphate. 1,972,032; Aug. 28.
- Reimann, Jacques J. and W. Erdington, Birmingham, England. Manufacture of fluted, corrugated, twisted, or other like metal or other tubes, rods, or bars. 1,951,063; Mar. 13.
- Reimann, William. (See Reimann, Jacques J. and W.)
- Reimel, Oliver J. (See Reimel, Paul D. and O. J.)
- Reimel, Paul D. and O. J., Sacramento, Calif. Bucket dredge. 1,962,363; June 12.
- Reimers, Alfred E., Harrington Park, N. J. Method of and mechanism for producing helical coils. 1,953,502; Apr. 3.
- Reimers, Alfred E., Harrington Park, N. J. Sadiron. 1,979,574; Nov. 6.
- Reimers, Alfred E., Harrington Park, and W. K. Tavender, Hawthorn, N. J. Electric toaster. 1,957,227; May 1.
- Reimers, Anton, Davenport, Iowa. Collet chuck. 1,947,060; Feb. 13.
- Reimers, Hans A., assignor to The Dow Chemical Company, Midland, Mich. Casting magnesium. 1,960,711; May 29.
- Reimers, Hans A., assignor to The Dow Chemical Company, Midland, Mich. Casting magnesium. 1,960,712; May 29.
- Reimers, Hans A., assignor to The Dow Chemical Company, Midland, Mich. Casting magnesium. 1,960,713; May 29.
- Reimers, Hans A., assignor to The Dow Chemical Company, Midland, Mich. Purifying water. 1,966,733; July 17.
- Reimers, Hans A., assignor to The Dow Chemical Company, Midland, Mich. Inhibiting the oxidation of readily oxidizable metals. 1,972,317; Sept. 4.
- Reimers, Paul P., Crookston, Nebr. Windmill driven generator. 1,978,143; Oct. 23.
- Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Chaser holder with angular clamps. 1,951,290; Mar. 13.
- Reimschissel, Charles A., and J. G. Harper, assignors to Landis Machine Company, Waynesboro, Pa. Chaser holder with heeled clamps. 1,951,291; Mar. 13.
- Rein, Donald, Houston, Tex. Refrigerator. 1,964,831; July 3.
- Rein, John. (See Henning, L. G. and Rein.)
- Reinard, August J., McMurray, Wash. Trolling spoon. 1,969,944; Aug. 14.
- Reinartz, Leo F. and C. R. Fon Dersmith, assignors to The American Rolling Mill Company, Middletown, Ohio. Nozzle for pouring molten metal. 1,944,611; Jan. 23.
- Reinholt, Lawrence D., Cleveland, Ohio. Receptacle closure. 1,979,230; Oct. 30.
- Reindel, Hans. (See Winkeler, H., Reindel, and Von Rosenberg.)
- Reindel, Hans, and A. Ohmer, Ludwigshafen-on-the-Rhine, Germany. Production of color lakes. 1,974,510; Sept. 25.
- Reinecke, Frederick, and G. D. Phillips, Los Angeles, and M. Gillern, Arcadia, Calif., said Phillips and said Gillern assignors to said Reinecke. Electrically controlled irrigating apparatus. 1,978,435; Oct. 30.
- Reinecke, Jean O. (See Barnes, J. F. and Reinecke.)
- Reinecker, J. E., A. G. (See Merkel, Robert, assignor.)
- Reineke, Lester H., New Haven, Conn., dedicated to the free use of the Public of the United States of America. Movable constant orientation mapboard. 1,978,476; Oct. 30.
- Reineman, Alfred, New York, N. Y. Surfacing head. 1,984,990; Dec. 18.
- Reineman, Laurence G., assignor to Buffalo Envelope Company, Inc., Buffalo, N. Y. Envelope. 1,966,904; July 17.
- Reiner, Irving, New York, N. Y. Clock. 1,972,461; Sept. 4.
- Reiner, Markus, Jerusalem, Palestine, and E. C. Bingham and W. S. Lohr, Easton, Pa. Structural element. 1,971,051; Aug. 21.
- Reiner, Morris, Brooklyn, N. Y. Envelope. 1,983,400; Dec. 4.
- Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Company, Munich-Gladbach, Germany. Winding machine with mechanical charging of bobbins. 1,970,188; Aug. 14.
- Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Company, Munich, Gladbach, Germany. Supply holder for winding machines with automatic feed of the full supply bobbins. 1,978,550; Oct. 30.
- Reinert, Charles H., and K. J. Lawrence, Brooklyn, N. Y., assignors to Steel & Tubes, Inc., Cleveland, Ohio. Pebble finished metal tubing. 1,962,876; June 12.
- Reinforced Paper Bottle Corporation. (See Bodor, Andrew, assignor.)
- Reinforced Paper Bottle Corporation. (See Koch, L. B., and Bodor, assignors.)
- Reinforced Paper Bottle Corporation. (See Koch, L. B., and Buchina, assignors.)
- Reinforced Paper Bottle Corporation. (See Reed, Roland K., assignor.)
- Reingold, B. (See Fauntun, Ellis C., assignor.)
- Reinhard, Claude E. (See Truesdale, E. C., Wilhelm, and Reinhard.)
- Reinhardt, Ernest G., Port Jervis, N. Y. Socket structure. 1,947,793; Feb. 20.
- Reinhardt, Gustav, Berlin, Germany, assignor to General Electric Company, Electric valve converting system. 1,967,903; July 24.
- Reinhardt, Otto K., Jamaica, N. Y., assignor to Bond Electric Corporation, Jersey City, N. J. Dry cell making machinery. 1,965,130; July 3.
- Reinhardt, Willard L., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery element. 1,970,189; Aug. 14.
- Reinhardt, Willard L., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Apparatus for drying storage battery plates. 1,983,995; Dec. 11.
- Reinhart, Margaretta H. (See Etter, T., and Dunn, assignors.)
- Reinhart, Walther, Chicago, Ill. Lock. 1,956,731; May 1.
- Reinhold, Baldwin. (See Abegg, Walter A., assignor.)
- Reinhold, Charles, Geneva, Switzerland. Hydraulic transmission substance. 1,977,012; Oct. 16.
- Reinhold, Frederick E., Van Nuys, Calif. Locking plug for electric circuits. 1,955,146; Apr. 17.
- Reinhold, John J., Marietta, Pa. Merchandising display article for hosiery. Des. 91,842; Mar. 27.
- Reinhold, John J., Marietta, Pa. Advertising display device. Des. 91,908; Apr. 3.
- Reinhold, John J., Marietta, Pa. Carton for packaged goods. 1,977,455; Oct. 16.
- Reinitz, Benjamin. (See Wiseman, R. J., and Reinitz.)
- Reinitz, Emil, Vienna, Austria. Flat furuncle plaster. 1,956,695; May 1.
- Reinoehl, Harry K. (See Scarratt, A. W., and Reinoehl.)
- Reinschild, Carl, Rahlstedt, near Hamburg, assignor to C. H. F. Muller Aktiengesellschaft, Hamburg, Germany. Electron tube for high voltages. 1,967,537; July 24.
- Reinstein, Maurice, San Francisco, Calif. Pear peeling machine. 1,973,996; Sept. 18.
- Reis, Curt F., Chicago, Ill. Magneto rotor. 1,953,131; Apr. 3.
- Reis, Curt F., assignor to Excel Magneto Co., Chicago, Ill. Magneto. 1,942,123; Jan. 2.
- Reis, Curt F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto. 1,948,828; Feb. 27.
- Reis, Curt F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Rotor for magnetos. 1,948,829; Feb. 27.
- Reis, Curt F., Beloit, Wis., assignor to Fairbanks Morse & Co., Chicago, Ill. Magneto. 1,978,692; Oct. 30.
- Reis, Curt F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric machine. 1,979,812; Nov. 6.
- Reis, Curt F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Rotor for magnetos. 1,979,813; Nov. 6.
- Reiser, Edward A., Columbus, Ohio. Egg cup having a top. Des. 91,542; Feb. 20.
- Reiser, Herman, Lake Charles, La. Clay product and making the same. 1,945,232; Jan. 30.
- Reisman, Emil. (See Flanzer, J. A., Jones, and Reisman.)
- Reisner, Albert, assignor to Heinrich & Winterling Inc., New York, N. Y. Plate or analogous article. Des. 93,131; Aug. 21.
- Reisner, W. H., Manufacturing Company, The. (See Reisner, William H., assignor.)
- Reisner, William H., assignor to The W. H. Reisner Manufacturing Company, Hagerstown, Md. Relay coupler switch. 1,954,758; Apr. 10.
- Reiss, August, Frankfurt-on-the-Main, and J. P. Christ, Frankfurt-on-the-Main-Niederrad, Germany. Steam circulating system. 1,968,171; July 31.
- Reiss, Frank B., New York, N. Y. Legging. 1,983,880; Dec. 11.
- Reiss, Friedrich, Vienna, Austria. Photometer and operating same. 1,958,679; May 15.
- Reiss & Klemm. (See Rühl, Werner, assignor.)
- Reiss, Kurt. (See Pfeiffer, Wilhelm, assignor.)
- Reiss, Louis P., Dallas, Tex. Refrigeration. 1,977,919; Oct. 23.

- Reiss-Schmidt, Ernst, Buderich, near Neuss-on-the-Rhine, Germany, assignor, by mesne assignments, to Konrad Prothmann, Detroit, Mich. Manufacture of self-illuminating signs. 1,966,141; July 10.
- Reiss, Sydney, New York, N. Y. Ear cleaning implement. 1,980,826; Nov. 13.
- Reist, Ezra O., assignor of 50/100 to A. L. Ryan, Royal Oak, Mich. Corrugating tool for shears. 1,965,859; July 10.
- Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Totally inclosed dynamo-electric machine. 1,944,107; Jan. 16.
- Reiter, Daniel I., New York, N. Y. Fastener post. 1,962,035; June 5.
- Reiter, Daniel I., New York, N. Y. Quick attachable button. 1,968,221; July 31.
- Reiter, Daniel I., New York, N. Y., and G. W. Lane, Providence, R. I.; said Lane assignor to said Reiter. Adjustable slide fastener. 1,937,424; Feb. 13.
- Reiter, Harold J., Chicago, Ill. Slide fastener. 1,952,283; Mar. 27.
- Reitermann, Emil W. (See Naeder, Henry, assignor.)
- Reith, George C., Revere, Mass. Cold handle. 1,942,493; Jan. 9.
- Reittinger, Paul W., Denver, Colo. Reflector. Des. 93,673; Oct. 23.
- Reitz, Heinrich, Bitterfeld, Germany, assignor, by mesne assignments, to Pen-Chlor, Incorporated, Philadelphia, Pa. Manufacture of bleaching powder. 1,969,236; Aug. 7.
- Reitze, John A., Chicago, Ill. Folding ironing table. 1,982,399; Nov. 27.
- Reitzel, Albert E., Washington, D. C. Holder for dental floss. 1,970,575; Aug. 21.
- Reitzel, George A., St. Louis, Mo. Mop wringer. 1,954,648; Apr. 10.
- Rekelma Products, Inc. (See Rabelos, Nicholas A., assignor.)
- Rekenthaler, Anthony W., Pittsburgh, Pa. Mouthpiece for tobacco pipes. 1,957,355; May 1.
- Rekonty, Harry, Norfolk, Va. Burglar alarm. 1,965,512; July 3.
- Rekuperator, Gesellschaft mit beschränkter Haftung. (See Schack, Alfred, assignor.)
- Reliable Electric Company. (See Cook, Wallace L., assignor.)
- Reliable Electric Company. (See Rodormer, George W., assignor.)
- Reliance Die & Stamping Co. (See Jacobson, Peter G., assignor.)
- Reliance Electric and Engineering Company, The. (See Hitchcock, Reuben, assignor.)
- Reliance Regulator Corporation. (See Thrall, Walter L., assignor.)
- Reliance Specialties Manufacturing Co. (See Cohan, Morris J., assignor.)
- Reller, Edwin F. O., Evansville, Ind. Convertible screen and table. 1,941,579; Jan. 2.
- Relton, Cyril M. (See Gardner, W. H., and Relton.)
- Relyea, Walter I. (See Charlton, E. E., and Relyea.)
- Remac Patents Corporation. (See Spence, John L., Jr., assignor.)
- Rembaum, Eli L., Winthrop, Mass. Knock-down screen. 1,964,332; June 26.
- Rembert, Ernest W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Producing reactions with silica and products thereof. 1,945,534; Feb. 6.
- Rembert, Juste, Alfort, and C. Salvetti, Neuilly-sur-Seine, France, assignors to Dirac. Device to reverse the rotation of coupled shafts. 1,954,890; Apr. 17.
- Rembrandt Lamp Corporation. (See Brosilow, L., Markoff, and Orosz, assignors.)
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,952,730; Mar. 27.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,964,273; June 26.
- Remelé, Adolf, Sundersdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing bleaching powder. 1,944,301; Jan. 23.
- Remelé, Adolf, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing stable bleaching powder. 1,945,913; Feb. 6.
- Remick, Walter L., Hazelton, Pa., assignor to Hydrotator Company, Cleveland, Ohio. Process of and apparatus for separating mixed materials. 1,953,724; Apr. 3.
- Remington Arms Company. (See Brun, Willi, assignor.)
- Remington Arms Company. (See Leussler, Emil, assignor.)
- Remington Arms Company. (See Woodford, Watson H., assignor.)
- Remington, Frank, Edgewood, R. I. Combination house illuminated identifier and key hole light. 1,961,865; June 5.
- Remington, Leigh C., Detroit, Mich. Portable stove. 1,955,147; Apr. 17.
- Remington, Leland F., assignor to Curtis & Marble Machine Company, Worcester, Mass. Mantle steaming machine. 1,978,722; Oct. 30.
- Remington Rand Inc. (See Arend, George D., assignor.)
- Remington Rand Inc. (See Benner, Russell E., assignor.)
- Remington Rand Inc. (See Bridgwater, H. E., and Connolly.)
- Remington Rand Inc. (See Finley, Charles A., assignor.)
- Remington Rand Inc. (See Going, George G., assignor.)
- Remington Rand Inc. (See Hutchings, Le Roi E., assignor.)
- Remington Rand Inc. (See Lasker, William W., assignor.)
- Remington Rand Inc. (See Lundeen, E. T., and Audrey, assignors.)
- Remington Rand Inc. (See Morgan, William O., assignor.)
- Remington Rand Inc. (See Newland, Jay R., assignor.)
- Remington Rand Inc. (See Ohnstrand, Enoch, assignor.)
- Remington Rand Inc. (See Pettis, Fred A., assignor.)
- Remington Rand Inc. (See Phelps, Joseph, assignor.)
- Remington Rand Inc. (See Rand, Benjamin G., assignor.)
- Remington Rand Inc. (See Rand, James H., Jr., assignor.)
- Remington Rand Inc. (See Steenrod, William J., assignor.)
- Remington Rand Inc. (See Wolters, Carl F., assignor.)
- Remington Rand Inc. (See Wood, Rodney J., assignor.)
- Remington Rand Inc. (See Zeller, J. A., and Benner, assignors.)
- Remington Rand Inc., the firm. (See Kraenicke, Fritz, assignor.)
- Remington Typewriter Company. (See Burns, Cloyd E., assignor.)
- Remington Typewriter Company. (See Going, George G., assignor.)
- Remington Typewriter Company. (See Hart, Frederick A., assignor.)
- Remington Typewriter Company. (See Phelps, Joseph, assignor.)
- Remington Typewriter Company. (See Pilgrim, George J. M., assignor.)
- Remington Typewriter Company. (See Walsoe, Sigurd L., assignor.)
- Remington Typewriter Company. (See Woodward, Oscar, assignor.)
- Remler, Raymond F. (See Lemmerman, P. C., and Remler.)
- Remnsnider, George, Belleville, Ill. Vegetable slicer. 1,966,186; July 10.
- Remort Manufacturing Company. (See Ewald, Arno A., assignor.)
- Remote Patents Corporation. (See Spence, John L., Jr., assignor.)
- Remowen Corporation. (See Sayre, Gordon B., assignor.)
- Remseth, Nels, and M. O. Engseth, Minneapolis, Minn. Air heating gun. 1,949,658; Mar. 6.
- Remy-Neris, Jean P. L., assignor to Societe Chimique de la Grande Paroisse Azote et Produits Chimiques, Paris, France. Production of a compound fertilizer. 1,951,489; Mar. 20.
- Remy-Neris, Jean P. L., assignor to Societe Chimique de la Grande Paroisse Azote et Produits Chimiques, Paris, France. Compound fertilizer and manufacturing same. 1,957,350; May 1.
- Renault, Henri. (See Talafré, R., and Renault.)
- Renaux, Eugène P., Paris, France, assignor to Bendix Brake Company, South Bend, Ind. Axially movable brake servo. 1,957,668; May 8.
- Rendle, Valdemar, Pembury, near Tunbridge Wells, and W. C. Cross, assignors to The Kent Dish Washing Machine Company Limited, Tunbridge Wells, England. Flow controlling means for dishwashers. 1,985,580; Dec. 25.
- Renette Company. (See Blettner, George H., assignor.)
- Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 1,942,730; Jan. 9.
- Renfrew, Paul B. (See Bond, R. W., and Renfrew.)
- Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Apparatus for employing vacuum on porous laminated filtering mechanism. 1,951,809; Mar. 20.
- Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid feed device. 1,958,395; May 8.
- Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid feed system. 1,958,396; May 8.
- Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Apparatus for purifying insulating and lubricating oils. 1,962,463; June 12.
- Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid feed device. 1,982,021; Nov. 27.
- Renfrew, Paul B., and L. R. Hartley, assignors to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Filtering apparatus. 1,958,394; May 8.
- Renfro, Grant, Covington, Ky. Measuring bottle. 1,949,130; Feb. 27.
- Renholdt, John E. (See Lucarelle, J. M., and Renholdt.)
- Renholdt, John E., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Remote control device for commercial phonographs. 1,974,055; Sept. 18.
- Renken, Harry J., Evanston, assignor to Fairbanks, Morse & Co., Chicago, Ill. Power transmission apparatus. 1,953,182; Apr. 3.
- Rennell, Henry H. (See Major, M., and Rennell.)
- Renner, Herbert O. (See Haas, L. W., and Renner.)
- Rennett, John E. (See Allen, S. E., and Rennett.)
- Rennick, Edwin W. H. (See Griffith, C. P., and Rennick.)

- Rennick, Edwin W. H., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Lubricator. 1,942,450; Jan. 9.
- Rennie, John A., Laurelton, assignor to Boorum & Pease Company, New York, N. Y. Book cover. 1,972,048; Aug. 28.
- Rennie, William H., Vancouver, British Columbia, Canada, assignor to American Can Company, New York, N. Y. Filled can weighing and sorting apparatus. 1,958,173; May 8.
- Renshaw, Arnold. (See Dyson, G. M., and Renshaw.)
- Renshaw, David E., and C. A. Atwell, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Locomotive gathering mechanism. 1,976,516; Oct. 9.
- Renshaw, Joseph H., Cincinnati, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Can opening and spout forming device. 1,985,796; Dec. 25.
- Rensink, George C., Denver, Colo. Air cleaner and silencer for internal combustion engines. 1,953,543; Apr. 3.
- Rensink, George C., Denver, Colo. Air cleaner and silencer. 1,968,312; July 31.
- Renton, Henry N., Philadelphia, Pa. Door mechanism. 1,955,019; Apr. 17.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Photoelectric device. 1,955,608; Apr. 17.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Photoelectric system. 1,957,729; May 8.
- Rentschler, Harvey C., East Orange, and D. E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Photo-electric tube. 1,966,219; July 10.
- Rentschler, Harvey C., East Orange, and D. E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Producing a photo-electric tube. 1,966,220; July 10.
- Rentschler, Harvey C., East Orange, and D. E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Amplification system for glow relay devices. 1,982,829; Dec. 4.
- Rentschler, Mahlon J. (See Jeavons, W. R., and Rentschler.)
- Rentschler, Mahlon J., Willoughby, assignor of one-half to W. R. Jeavons, Cleveland Heights, Ohio. Process and apparatus for recovering barium sulphate from barytes. 1,959,805; May 15.
- Rentschler, Mahlon J., Willoughby, assignor of one-half to W. R. Jeavons, Cleveland, Ohio. Manufacturing hydrogen peroxide. 1,978,551; Oct. 30.
- Renu Parts Corporation. (See Covert, Martin B., assignor.)
- Renwick, Allan E., assignor to Movable Floor (Vehicles) Limited, Cardiff, Wales. Movable floor vehicles. 1,970,899; Aug. 21.
- Renwick, Allan E., Cardiff, Wales, and C. Solomon, Bath, England, assignors to Movable Floor (Vehicles) Limited, Cardiff, Wales. Movable floor vehicle. 1,970,900; Aug. 21.
- Renz, Fred, Brooklyn, N. Y. Banding machine. 1,968,172; July 31.
- Renz, William, Gay Hill, assignor to Fred W. S. Zschappel, Brenham, Tex. Grading machine. 1,964,648; June 26.
- Renzetti, Luigi, Medford, Mass. Window screen. 1,942,308; Jan. 2.
- Reo Motor Car Company. (See Furgason, Claude E., assignor.)
- Reo Motor Car Company. (See Thomas, Horace T., assignor.)
- Repass, Walter C., assignor to National Ventilating Window Lock Company, Portland, Ore. Sash lock. 1,948,542; Feb. 27.
- Repal Brass Mfg. Co. (See Fuller, George W., assignor.)
- Repeck, Frank, Detroit, Mich. Differential carrier. 1,944,612; Jan. 23.
- Repetto, Enrique F. (See Repetto, Francisco, H. G., and E. F.)
- Repetto, Francisco, H. G., and E. F., Buenos Aires, Argentina. Slidable flexible shutter for combination doors and windows. 1,962,839; June 12.
- Repetto, Francisco, H. G., and E. F., Buenos Aires, Argentina. Mechanism for operating slidable flexible shutters. 1,976,414; Oct. 9.
- Repetto, Horacio G. (See Repetto, Francisco, H. G., and E. F.)
- Repsky, Margaret, Cleveland Heights, Ohio. Combination apron. 1,967,369; July 24.
- Replogle, Carl S., Piedmont, Calif. Dishwashing machine. 1,949,814; Mar. 6.
- Replogle, Daniel B., Berkeley, Calif., assignor to Citizens Trust Company of Toledo, Toledo, Ohio. Cord reel and making the same. 1,983,565; Dec. 11.
- Replogle, Daniel B., Berkeley, Calif., assignor to Citizens Trust Company of Toledo, Toledo, Ohio. Air-method cleaner. 1,983,566; Dec. 11.
- Replogle, Daniel B., Berkeley, Calif., and H. E. Queen, Washington, D. C., assignors to Citizens Trust Company, Toledo, Ohio. Support for air-method cleaners. 1,970,576; Aug. 21.
- Replogle, Daniel B., and H. E. Queen, Berkeley, Calif., assignors to Citizens Trust Company of Toledo, Toledo, Ohio. Support for air-method cleaners. 1,985,567; Dec. 11.
- Replogle, Delbert E., Leonia, N. J., assignor, by mesne assignments, to Radio Corporation of America. Light controlling apparatus. 1,960,090; May 22.
- Replogle, Delbert E., Newton, assignor to Raytheon Production Corporation, Cambridge, Mass. Modulating system. 1,967,041; July 17.
- Replogle Heater Company, The. (See Replogle, Mark A., assignor.)
- Replogle, John R. (See Ruthenburg, L., Replogle, and McPhail.)
- Replogle, John R., Detroit, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Multiple temperature refrigeration system. 1,953,433; Apr. 3.
- Replogle, John R., Detroit, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Refrigerant evaporator. 1,960,796; May 29.
- Replogle, John R., Detroit, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Compressor. 1,967,355; July 24.
- Replogle, John R., Detroit, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Refrigerator construction. 1,967,431; July 24.
- Replogle, John R., Detroit, assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Refrigerant compressor valve. 1,973,103; Sept. 11.
- Replogle, Mark A., assignor to The Replogle Heater Company, Akron, Ohio. Heater. 1,951,580; Mar. 20.
- Repony, Daniel, Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Nonslipping surface and making the same. 1,941,912; Jan. 2.
- Repony, Daniel, Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction facing and composition of matter. 1,980,227; Nov. 13.
- Repony, Daniel, Clifton, and J. H. Matthews, Nutley, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Belt. 1,978,912; Oct. 30.
- Reppe, Walter, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of vinyl ethers. 1,959,927; May 22.
- Reppert, Richard V., West Hartford, assignor to M. H. Rhodes, Inc., Hartford, Conn. Switch. 1,952,893; Mar. 27.
- Republic Distillers, Inc. (See Ratner, Richard, assignor.)
- Republic Flow Meters Company. (See Engel, Friedrich V. A. E., assignor.)
- Republic Flow Meters Company, The. (See Iannelli, Alfonso, assignor.)
- Republic Flow Meters Company. (See Spitzglass, Albert F., assignor.)
- Republic Flow Meters Company. (See Spitzglass, A. F., and Handwerk, assignors.)
- Republic Flow Meters Company. (See Spitzglass, Jacob M., assignor.)
- Republic Metalware Company. (See Bergener, August W., assignor.)
- Republic Metalware Company. (See Padelford, Lester E., assignor.)
- Republic Steel Corporation. (See Blevins, Herman G., assignor.)
- Republic Steel Corporation. (See Ellison, Harry C., assignor.)
- Republic Steel Corporation. (See Kilmer, Elmer E., assignor.)
- Republic Steel Corporation. (See Rippel, Herbert C., assignor.)
- Republic Steel Corporation. (See Rutter, Clyde M., assignor.)
- Republic Steel Corporation. (See Wheeler, Glenn E., assignor.)
- Republic Steel Corporation. (See Wright, Nathan P., assignor.)
- Re Qua, Frederick L., assignor to Steel-Weld Equipment Corporation Ltd., San Francisco, Calif. Electric arc welding apparatus. 1,984,809; Dec. 18.
- Resch, Henry. (See Fuchs, C. A., and Resch.)
- Reschke, William F., Wichita, Kans. Feed mill. 1,975,406; Oct. 2.
- Research Corporation. (See Crowder, A. N., and Hesson.)
- Research Corporation. (See Hedberg, Carl W. J., assignor.)
- Research Corporation. (See Lawrence, Otto U., assignor.)
- Research Corporation. (See Poillon, Howard A., assignor.)
- Research Corporation. (See Wintermute, Harry A., assignor.)
- Research Foundation, Inc. (See Tornsjö, Gustaf E., assignor.)
- Resek, Jules V. (See Davies, L. L., Resek, and Carson, Jr.)
- Resek, Jules V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Fluid mixer. 1,942,270; Jan. 2.
- Resek, Jules V., and W. W. Carson, Jr., assignors to The Fulton Sylphon Company, Knoxville, Tenn. Valve. 1,952,683; Mar. 27.
- Resek, Marc. (See Chadwick, L. S., Resek, and Focke.)
- Resek, Marc. (See Chadwick, L. S., Resek, and Kessler.)
- Resek, Marc. (See Chadwick, L. S., Resek, and Rausch.)
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Fuel supply indicator for refrigerators. 1,948,447; Feb. 20.
- Resengin, Inc. (See Freeman, Lowell C., assignor.)
- Resilient Rayons, Inc. (See Redman, Frank R., assignor.)

- Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
- Resinous Products & Chemical Co. (See Bruson, H. A., Robinson, and Stein, assignors.)
- Resinous Products & Chemical Co., The. (See Bruson, H. A., and Stein, assignors.)
- Resinous Products & Chemical Co. (See Fonrobert, E., and Greth, assignors.)
- Resinous Products & Chemical Co. (See Fonrobert, E., and Lemmer, assignors.)
- Resinox Corporation. (See Irely, Kenneth M., assignor.)
- Reske, Charles H., San Francisco, Calif. Clothesline attachment. 1,944,808; Jan. 23.
- Reske, Frank J., and E. J. Truthan, Cleveland, Ohio. Combination floor and wall junction box. 1,958,927; May 15.
- Resnick, Benjamin, assignor of one-half to Cecile Morsy, Brooklyn, N. Y. Combination comb and brush. 1,985,797; Dec. 25.
- Resnick, Heim W., Wichita, Kans. Telephone alarm device. 1,976,296; Oct. 9.
- Resow, Heinrich, Magdeburg, assignor to Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Heat treatment of manganese hard steel objects. 1,968,960; Aug. 7.
- Respats, Inc. (See Respass, Roland B., assignor.)
- Respats, Inc. (See Respass, R. B., and Robbins, assignors.)
- Respass, Roland B., Wickford, assignor to Respats, Inc., Providence, R. I. Preparation or reduction of wood or other fibrous material. 1,976,297; Oct. 9.
- Respass, Roland B., Wickford, and N. A. Robbins, Providence, assignors to Respats, Inc., Cranston, R. I. Continuous process of wall board manufacture. 1,951,167; Mar. 13.
- Respro Inc. (See Grower, James G., assignor.)
- Respro, Inc. (See Nanfeldt, Ernest, assignor.)
- Ressegger, Lloyd E. (See Allen, G. N., Fleming, and Ressegger.)
- Ressegger, Lloyd E., et al. (See Allen, G. N., Parker, and Ressegger.)
- Restein, Jules, assignor, by mesne assignments, to The Belmont Packing & Rubber Company, Philadelphia, Pa. Packing. 1,948,630; Feb. 27.
- Reswick, Maurice, Pittsburgh, Pa., assignor to Pennsylvania Lubricating Company. Grease distributing system. 1,943,838; Jan. 16.
- Reswick, Maurice, Dormont, Pa., assignor to Pennsylvania Lubricating Company. Lubricating device. 1,951,771; Mar. 20.
- Retel, Jules M. R., Neuilly-sur-Seine, France. Fuel pump. 1,948,047; Feb. 20.
- Rether, John W. (See Copeland, L. S., Rether, and Schoonover.)
- Retsema, Jay, Muskegon, Mich., assignor to Service Station Equipment Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,957,910; May 8.
- Retsema, Jay, Muskegon, Mich., assignor to Service Station Equipment Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,972,830; Sept. 4.
- Rett, Arthur. (See Martin, Allen K., assignor.)
- Rettenmeyer, Francis X., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 1,971,235; Aug. 21.
- Retterer, Raymond W. (See Murphy, F. K., Retterer, and Mitchell.)
- Retlich, Kurt, Jackson, Mich. Dish or the like. Des. 92,112; Apr. 24.
- Retlich, Kurt, assignor to Keller Brass Company, Grand Rapids, Mich. Handle or similar article. Des. 93,848; Nov. 13.
- Retlich, Kurt, Toledo, Ohio, assignor, by mesne assignments, to The Reynolds Spring Company, Jackson, Mich. Picture frame. 1,949,180; Feb. 27.
- Retzlaff, Walter G., Detroit, and H. A. Flogaus, Ferndale, assignors, by mesne assignments, to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Trailer. 1,951,258; Mar. 13.
- Reubke, Emil, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of water-soluble phosphate compounds. 1,945,914; Feb. 6.
- Reure, Francois L. R., Paris, and F. G. Martin, Ville-neuve-St.-Georges, France. Cock for fluid pressure conduits. 1,977,592; Oct. 16.
- Reusch, Konrad, New York, N. Y. Combination cigarette and cigar holder and ejector. 1,978,601; Oct. 30.
- Reussenzehn, Ernest A., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Slicing machine. Des. 92,770; July 10.
- Reussenzehn, Ernest A., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,960,026; May 22.
- Reuter, Hanns. (See Heckert, Erich, assignor.)
- Reuter, Henry C., Chicago, Ill. Grating. 1,946,035; Feb. 6.
- Reuter, Joseph, Brooklyn, and J. Rothenbucher, Astoria, N. Y. Thumb tack. 1,976,747; Oct. 16.
- Reuther, Bernard O., assignor to M. F. Steele and E. S. Reuther, Buffalo, N. Y. Drinking tumbler. 1,968,263; July 31.
- Reuther, Edna S., et al. (See Reuther, Bernard O., assignor.)
- Reutter, Frederick, assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for containers and the like and making the same. 1,974,251; Sept. 18.
- Reutter, Frederick R., assignor to Scovill Manufacturing Company, Waterbury, Conn. Powder box. 1,942,935; Jan. 9.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick. 1,947,738; Feb. 20.
- Revelart, Auguste J., Carvin, France. Apparatus for removing stones from coal. 1,948,800; Feb. 27.
- Revelation Patents Holding Company. (See Aceves, Julius G., assignor.)
- Revelation Patents Holding Company. (See MacLaren, Fred B., assignor.)
- Revell, Hartley W., Chicago, Ill. Convertible chair. 1,975,664; Oct. 2.
- Revere Copper & Brass Incorporated. (See Andrews, Paul B., assignor.)
- Revere Copper & Brass Incorporated. (See Dallas, Charles D., assignor.)
- Revere Copper and Brass Incorporated. (See Doss, Joseph H., assignor.)
- Revere Copper and Brass Incorporated. (See Lucia, Louis V., assignor.)
- Revere Copper and Brass Incorporated. (See Todt, Harold N., assignor.)
- Revere Copper and Brass, Incorporated. (See Wilkins, Richard A., assignor.)
- Revere Electric Company. (See Marker, V. N., and McMakin, assignors.)
- Revere Rubber Company. (See Battin, Harold T., assignor.)
- Revere Rubber Company. (See Cadwell, Sidney M., assignor.)
- Revere Rubber Company. (See Chittenden, Fayette D., assignor.)
- Revere Rubber Company. (See Cobb, Henry Z., assignor.)
- Revere Rubber Company. (See Gammeter, John R., assignor.)
- Revere Rubber Company. (See Gibbons, Willis A., assignor.)
- Revere Rubber Company. (See Gibbons, W. A., Hazell, and Keen, assignors.)
- Revere Rubber Company. (See Hopkinson, Ernest, assignor.)
- Revere Rubber Company. (See Joss, Ernest J., assignor.)
- Revere Rubber Company. (See Keen, Alexis W., assignor.)
- Revere Rubber Company. (See Keen, A. W., Battin, and Dutton, assignors.)
- Revere Rubber Company. (See Weston, Roger, assignor.)
- Revere Sugar Refinery. (See De Vries, Reinier P., assignor.)
- Reverse Slide Fastener Co. (See Greenberg, Irving, assignor.)
- Revertex Limited. (See Miedel, Hermann, assignor.)
- Revertex Limited. (See Scholz, Paul, assignor.)
- Revis, Morris A., Boston, Mass. Advertising device or toy. 1,945,789; Feb. 6.
- Re Vley, David G., and J. E. Hirsh, Los Angeles, Calif. Blowgun. 1,943,187; Jan. 9.
- Rew, Richard J. (See Ford, E. L., and Rew.)
- Rew, Roy R., Metropolis, Ill. Interlocking joint. 1,978,283; Oct. 23.
- Rewald, Bruno, assignor to Hanseatische Muehlenwerke Aktiengesellschaft, Hamburg, Germany. Dressing, sizing, and softening oil. 1,946,332; Feb. 6.
- Rewald, Bruno, assignor to Hanseatische Muehlenwerke Aktiengesellschaft, Hamburg, Germany. Production of rubber mixtures. 1,946,333; Feb. 6.
- Rex-Hilde Rubber Manufacturing Company. (See Tseng, A. T. K., Kempel, and Schar, assignors.)
- Rex Paper Company. (See Bradford, Harry C., assignor.)
- Rex Products & Manufacturing Company. (See Dinley, Clarence F., assignor.)
- Rex Research Corporation. (See Hedenburg, Oscar F., assignor.)
- Rex Research Corporation. (See Hopkins, Claude C., assignor.)
- Rex Research Corporation. (See Ruth, Walter E., assignor.)
- Rex Shoe Machine Co. Inc. (See Lioy, Francesco P., assignor.)
- Rex, William H., jr. (See Morrish, C. B., and Rex.)
- Rey, Stephen, Brooklyn, assignor to Zylow Ware Corporation, Long Island City, N. Y. Ophthalmic mounting. 1,972,033; Aug. 28.
- Reyburn, John R., Fairfield, Conn., assignor to American Chain Company Inc. Chain connector. 1,947,739; Feb. 20.
- Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Adjusting and tightening device for tire chains. 1,974,833; Sept. 25.
- Reyman, Theodore, New York, N. Y. Relay. 1,958,713; May 15.
- Reymond, Martin H., Binghamton, N. Y. Shoe construction. 1,974,543; Sept. 25.
- Reynard, Lee E., Utica, Ohio. Weed killer. 1,981,122; Nov. 20.
- Reyniers, James A., South Bend, Ind. Test tube support. 1,980,930; Nov. 13.
- Reynolds, Alexander J., Tampa, Fla. Rubber stamp. 1,972,953; Sept. 11.

- Reynolds, Charles D., Cranston, and George W. Scott, Providence, R. I., assignors to Universal Winding Company, Boston, Mass. Device for detecting defects in yarn, thread, and the like. 1,949,943; Mar. 6.
- Reynolds, Charles F., Cleveland, Ohio. Collar fastener. 1,955,020; Apr. 17.
- Reynolds, Charles H., Malden, assignor to Albert and J. M. Anderson Manufacturing Company, South Boston, Mass. Switch. 1,949,624; Mar. 6.
- Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical connection. 1,974,291; Sept. 18.
- Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical plug and socket connection. 1,983,675; Dec. 11.
- Reynolds, Charles H., Malden, and G. H. Tryder, assignors to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Electrical apparatus. 1,971,990; Aug. 28.
- Reynolds Corporation, The. (See Reynolds, William A., assignor.)
- Reynolds, Damian L., Hillsborough, assignor of one-fourth to L. L. Yates, one-fourth to L. E. Cartmill, and one-fourth to J. King, San Francisco, Calif. Steel frame refrigerator car. 1,983,881; Dec. 11.
- Reynolds, Edwin, Vineland, N. J. End piece for spectacles or similar articles. Des. 91,543; Feb. 20.
- Reynolds, Edwin, Vineland, N. J. Pair of spectacles or similar articles. Des. 92,317; May 22.
- Reynolds, Edwin, Vineland, N. J. Spectacle frame for eyeglasses or similar articles. Des. 92,318; May 22.
- Reynolds, Edwin, Vineland, N. J. Pair of spectacles or similar articles. Des. 92,319; May 22.
- Reynolds, Edwin, Vineland, N. J. End piece for spectacles or similar articles. Des. 92,320; May 22.
- Reynolds, Edwin, Vineland, N. J. Spectacle frame for eyeglasses or similar articles. Des. 92,331; May 22.
- Reynolds, Edwin, Vineland, N. J. Spectacle frame for eyeglasses or similar articles. Des. 92,926; July 31.
- Reynolds, Edwin, Vineland, N. J. End piece for spectacles or similar articles. Des. 93,359; Sept. 18.
- Reynolds Electric Company. (See Olson, Waldemar N., assignor.)
- Reynolds, Ellwood W., Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photo-acoustic cinematographic apparatus. 1,977,354; Oct. 16.
- Reynolds, Elmer D., assignor to Reynolds Wire Co., Dixon, Ill. Woven wire and producing the same. 1,942,451; Jan. 9.
- Reynolds, Ernest M., Cleveland, Ohio. Apparatus for cleaning film strips. 1,975,289; Oct. 2.
- Reynolds, Fannie W., Los Angeles, Calif. Mechanical fly or insect trap. 1,961,303; June 5.
- Reynolds, Francis B. (See Regenauer, A., and Reynolds.)
- Reynolds, Frank C. (See Bennett, I. T., and Reynolds.)
- Reynolds, Frank C., Columbus, Ohio. Automatic power transmission. 1,972,107; Sept. 4.
- Reynolds, Fred E. (See Lowry, R. D., and Reynolds.)
- Reynolds, Fred L. (See Gann, J. A., Reynolds, and Winston.)
- Reynolds, Frederick D., St. Louis, Mo. Concealed flush tank. 1,943,041; Jan. 9.
- Reynolds, Frederick D., St. Louis, Mo. Window lock. 1,976,579; Oct. 9.
- Reynolds, Frederick W., Grantwood, N. J., assignor to American Telephone and Telegraph Company. Electro-optical system. 1,954,025; Apr. 10.
- Reynolds, George M., Converse, Ind. Renewable cutting edge for plowshares. 1,976,268; Oct. 9.
- Reynolds, Henry, Lombard, Ill., assignor to American Can Company, New York, N. Y. Display device. 1,955,769; Apr. 24.
- Reynolds, Ira S., Kirkwood, Mo. Curing concrete. 1,942,000; Jan. 2.
- Reynolds, Irving W., and A. G. Beal, assignors to The Foxboro Company, Foxboro, Mass. Measuring instrument. 1,970,819; Aug. 21.
- Reynolds, John D. (See Haire, H. J., and Reynolds.)
- Reynolds, John N., Princeton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cross bar switch. 1,953,503; Apr. 3.
- Reynolds, John N., Princeton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiunit relay. 1,958,640; May 15.
- Reynolds, Marvin C. (See Epstein, A. K., and Reynolds.)
- Reynolds, Marvin C. (See Epstein, A. K., Reynolds, and Harris.)
- Reynolds, Marvin C., and A. K. Epstein, Chicago, Ill. Margarine process. 1,958,975; May 15.
- Reynolds, Marvin J., Montclair, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Quotation board indicating apparatus. 1,952,513; Mar. 27.
- Reynolds, Merrick, Los Angeles, Calif. Toilet paper holder. Des. 91,282; Jan. 2.
- Reynolds Metals Company. (See Minnice, Hector M., assignor.)
- Reynolds Metals Company. (See Reynolds, R. S., and Mack, assignors.)
- Reynolds, Morley P., Cleveland Heights, and W. J. Piggett, East Cleveland, assignors to The W. S. Tyler Company, Cleveland, Ohio. Method of and apparatus for screening. 1,983,676; Dec. 11.
- Reynolds, Peter V., Balboa, Canal Zone. Fishing rod tip and the like. 1,959,989; May 22.
- Reynolds, R. J., Tobacco Company. (See Little, George H., assignor.)
- Reynolds, Ralph K., Danbury, Conn. Felting machine. 1,984,700; Dec. 18.
- Reynolds, Ralph K., assignor to The Mallory Hat Company, Danbury, Conn. Hat construction. 1,981,286; Nov. 20.
- Reynolds, Ralph K., assignor to The Mallory Hat Company, Danbury, Conn. Apparatus for and method of shrinking and felting. 1,984,701; Dec. 18.
- Reynolds Research Corporation. (See Gregg, James L., assignor.)
- Reynolds Research Corporation. (See Moody, Virginius W., assignor.)
- Reynolds, Richard S., Glen Cove, and E. L. Mack, North Tarrytown, assignors to Reynolds Metals Company, New York, N. Y. Package. 1,973,391; Sept. 11.
- Reynolds Spring Company. (See Reed, Clair S., assignor.)
- Reynolds Spring Company, The. (See Rettich, Kurt, assignor.)
- Reynolds Spring Company. (See Rossiter, John G., assignor.)
- Reynolds Spring Company. (See Swan, Travers J., assignor.)
- Reynolds, William A., Shaker Heights, assignor to The Reynolds Corporation, Cleveland, Ohio. Playing card tray. 1,971,052; Aug. 21.
- Reynolds, William E., Glen Rock, N. J., and B. Harvey, New York, N. Y. Textile fabric or similar article of manufacture. Des. 93,996; Dec. 4.
- Reynolds, William E., and A. R. Hext, Alma, Mich. Colormeter. 1,961,913; June 5.
- Reynolds, William H., Silver Spring, Md., assignor to American Instrument Company, Washington, D. C. Electric heater. 1,969,760; Aug. 14.
- Reynolds Wire Co. (See Reynolds, Elmer D., assignor.)
- Reynolds, A., & Company, Limited. (See Christie, J., and Donkin, assignors.)
- Reznor, George F., assignor to Reznor Manufacturing Company, Mercer, Pa. Gas heater. 1,942,936; Jan. 9.
- Reznor Manufacturing Company. (See Reznor, George F., assignor.)
- Rezofsky, David J., New York, N. Y. Lamp shade. 1,955,684; Apr. 17.
- Rezsny, Koloman, Budapest, Hungary, assignor to the firm Hydrometer A. G., Breslau. Boiler feeding device. 1,959,928; May 22.
- Rhea, Thomas R., Schenectady, N. Y., assignor to General Electric Company. Navigational apparatus. 1,947,434; Feb. 13.
- Rhee, Daniel, assignor to Carr Manufacturing Corporation, Bristol, R. I. Finishing an elastic fabric edge. 1,977,207; Oct. 16.
- Rheiner, Alfred, assignor to Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of effect threads. 1,958,315; May 8.
- Rheinische Metallwaren- und Maschinenfabrik. (See Kottmann, August, assignor.)
- Rheinische Metallwaren- und Maschinenfabrik. (See Schuler, Hermann, assignor.)
- Rheinische Metallwaren- und Maschinenfabrik Sommerda Aktiengesellschaft. (See Kottmann, August, assignor.)
- Rhein-Schelde Gesellschaft für Ingenieurwesen m. b. H. (See Koppel, E. H., and Linden, assignors.)
- Rhine, Wallace R., Amenia, N. Dak. Extension spout or chute. 1,946,760; Feb. 13.
- Rhinevault, Clarence A. (See Powers, G. G., and Rhinevault.)
- Rhoades, Allan C., Piedmont, Kans. Vulcanizer. 1,975,665; Oct. 2.
- Rhoades, Joseph E., Wilmington, Del., and G. H. White, Philadelphia, Pa., assignors, by mesne assignments, to C. A. Macomic, Chicago, Ill. Pump for molten metal and the like. 1,947,876; Feb. 20.
- Rhode Island Warp Stop Equipment Company. (See Smith, Edwin C., assignor.)
- Rhodes, Charles J., Wakefield, England. Machine for reforming can or receptacle bodies. 1,963,248; June 19.
- Rhodes, Claude C. (See Kelly, W. D., and Rhodes.)
- Rhodes, Edmund O., Pittsburgh, Pa., assignor to The American Tar Products Company. Coking bituminous material. 1,942,978; Jan. 9.
- Rhodes, Edmund O., Pittsburgh, Pa., assignor to American Tar Products Co., Inc. Coking liquid or liquefiable bituminous material. 1,942,980; Jan. 9.
- Rhodes, Edmund O., Pittsburgh, Pa., assignor to American Tar Products Company, Inc. Process and apparatus for melting materials. 1,975,433; Oct. 2.
- Rhodes, Edmund O., E. W. Volkman, and J. C. Fitzpatrick, Pittsburgh, Pa., assignors to American Tar Products Co., Inc. Charging apparatus for coke ovens. 1,942,979; Jan. 9.
- Rhodes, Edmund O., and E. H. Hyde, Pittsburgh, Pa., assignors to American Tar Products Company, Inc. Composition of matter and preparing the same. 1,946,446; Feb. 6.
- Rhodes, George I., Glen Ridge, N. J. Protecting pipe lines and other buried metallic structures from corrosion. 1,962,696; June 12.
- Rhodes, Harold A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Artificial line and attenuator of constant resistance. 1,948,675; Feb. 27.
- Rhodes, Harold A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Reduction of disturbing voltages in electric circuits. 1,985,353; Dec. 25.

- Rhodes, Harold A., Montclair, and F. A. Cowan, East Orange, N. J., assignors to American Telephone and Telegraph Company. Impedance measuring circuits. 1,964,141; June 26.
- Rhodes, Harry L., Okmulgee, Okla. Rod spider. 1,982,482; Nov. 27.
- Rhodes-Hochriem Manufacturing Co. (See Rhodes, S. A., and Hochriem, assignors.)
- Rhodes, James H., & Company. (See Peterson, Levander, assignor.)
- Rhodes, John W., Pittsburgh, Pa. Detachable heel cap. 1,977,777; Oct. 23.
- Rhodes, M. H., Inc. (See Reppert, Richard V., assignor.)
- Rhodes, M. H., Inc. (See Rhodes, Marcus H., assignor.)
- Rhodes, M. H., Inc. (See Rhodes, M. H., and Fanzol, assignors.)
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Switch. 1,951,490; Mar. 20.
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., New Haven, Conn. Switch. 1,956,998; May 1.
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Switch. 1,959,645; May 22.
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Switch. 1,969,034; Aug. 7.
- Rhodes, Marcus H., New Haven, and J. Fanzol, Hartford, assignors to M. H. Rhodes, Inc., New Haven, Conn. Switch. 1,943,839; Jan. 16.
- Rhodes Metallic Packing Company. (See Field, Fletcher H., assignor.)
- Rhodes Metallic Packing Company. (See Sorenson, Carl H., assignor.)
- Rhodes, Seth A., Oak Park, and G. F. Hochriem, Park Ridge, assignors to Rhodes-Hochriem Manufacturing Co., Chicago, Ill. Coin-controlled gravity-operating ticket-printing and delivering sale. 1,973,780; Sept. 18.
- Rhodes, Thornton R., Riverside, Calif. Flight recorder for aircraft. 1,982,882; Dec. 4.
- Rhyne, Newell W., San Bernardino, Calif. Truing brakes. 1,950,815; Mar. 13.
- Rial, Wirt D. (See Black, J. C., and Rial.)
- Riberolles, René, Paris, France. Apparatus for determining the course and speed of aircraft. 1,943,397; Jan. 16.
- Riblet, Byron C., Spokane, Wash. Wheel. 1,981,196; Nov. 20.
- Ricard, Alfred E., Paris, France. Treatment of friction pieces comprising an exuding substance. 1,961,304; June 5.
- Ricard, Eloi, and H. M. Guinot, assignors, by mesne assignments, to Société Anonyme: Usines de Melle, Melle, France. Extracting acetic acid from pyroigneous substances. 1,959,547; May 22.
- Ricard, Eloi, and F. Boinot, Melle, France, assignors to Usines de Melle. Manufacture of acetic acid and lactic acid. 1,969,237; Aug. 7.
- Ricardo, Harry R., London, England. Two-stroke internal combustion engines. 1,942,571; Jan. 9.
- Ricardi, Peter, and J. Parmeson, Los Angeles, Calif. Cable connector. 1,963,530; June 19.
- Ricci, Harry, Staten Island, N. Y. Siren. 1,956,105; Apr. 24.
- Ricci, Jack P., Upland, Calif. Automatic air release means for vacuum systems. 1,978,913; Oct. 30.
- Rice, A. H., Co. (See Allain, Henry M., assignor.)
- Rice, A. H., Company. (See Stine, Bessie H., assignor.)
- Rice, Alexander, Brooklyn, N. Y. Dispensing receptacle. 1,967,687; July 24.
- Rice, Alexander, Brooklyn, N. Y. Dispensing receptacle. 1,983,707; Dec. 11.
- Rice, Allen E. (See Morgan, J. S., Jr., and Rice.)
- Rice, Allen E., Palos Verdes, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Direct chain drive. 1,957,614; May 8.
- Rice, Allen E., Palos Verdes, and J. S. Morgan, Jr., Inglewood, Calif., assignors to The National Supply Company, Toledo, Ohio. Single shaft gear driven draw-works. 1,944,463; Jan. 23.
- Rice, Allen E., Palos Verdes, and J. S. Morgan, Jr., Inglewood, Calif., assignors to The National Supply Company, Toledo, Ohio. Drum construction. 1,975,975; Oct. 9.
- Rice, Allen E., Hermosa, and J. S. Morgan, Jr., Inglewood, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Spur gear rotary machine. 1,969,035; Aug. 7.
- Rice, Arthur E., Biglerville, and J. W. Trew, Gettysburg, assignors to Rice, Trew & Rice Co. Inc., Biglerville, Pa. Guard. 1,983,809; Dec. 11.
- Rice, Barton & Fales, Incorporated. (See Smith, H. A., Thomson, and Stafford, assignors.)
- Rice, Burton C. (See Kindred, C. C., and Rice.)
- Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. High frequency generator. 1,969,578; Aug. 7.
- Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Sound or air wave apparatus. 1,973,673; Sept. 11.
- Rice, Edward, Jr., New York, N. Y. Refrigeration. 1,980,089; Nov. 6.
- Rice, Ethel M. (See Rice, Herbert S., assignor.)
- Rice, Frank E., assignor to American Tap-Bush Company, Detroit, Mich. Tap. 1,974,195; Sept. 18.
- Rice, Grace E. (See Rice, Linville S. and G. E., and Johnson.)
- Rice, Guy J. (See Brasseur, E. J., and Rice.)
- Rice, Harold G., assignor, by mesne assignments, to Indestro Manufacturing Corp., Chicago, Ill. Combined bottle capper and fruit press. 1,968,264; July 31.
- Rice, Harold G., Evanston, assignor, by mesne assignments, to Indestro Manufacturing Corp., Chicago, Ill. Bottle capper. 1,983,996; Dec. 11.
- Rice, Harry B., assignor to Vacuum Bolting Cloth Cleaner Corporation, Houston, Tex. Cleaner for sifting screens. 1,965,157; July 3.
- Rice, Herbert H. (See McMullen, Ralph W., assignor.)
- Rice, Herbert S., Cliftondale, assignor to E. M. Rice, Saugus, Mass. Swing. 1,953,774; Apr. 3.
- Rice, Jacques B., New York, N. Y., assignor to Bernard Rice's Sons Incorporated. Ornamental top for cigarette tins. 1,965,086; July 3.
- Rice, Joel A. (See Rice, Lula V. and J. A.)
- Rice, Joel A., New York, N. Y. Adjustable hook-lacing clasp for corsets and the like. 1,983,810; Dec. 11.
- Rice, Leon A., et al. (See Ames, George B., assignor.)
- Rice, Linville S. and G. E., and I. L. Johnson, Loomis, Calif. Moccasin. 1,943,743; Jan. 16.
- Rice, Lula V. and J. A., New York, N. Y. Corset. 1,977,245; Oct. 16.
- Rice, Ray, New York, and H. Jensen, Brooklyn, N. Y. Table. Des. 93,574; Oct. 9.
- Rice, Ray, New York, and H. Jensen, Brooklyn, N. Y. Table. Des. 93,575; Oct. 9.
- Rice, Ray, New York, and H. Jensen, Brooklyn, N. Y. Table. Des. 93,576; Oct. 9.
- Rice, Ray, New York, and H. Jensen, Brooklyn, N. Y. Table. Des. 93,577; Oct. 9.
- Rice, Ray, New York, and H. Jensen, Brooklyn, N. Y. Table. Des. 93,578; Oct. 9.
- Rice, Ray, New York, and H. Jensen, Brooklyn, N. Y. Table. Des. 93,579; Oct. 9.
- Rice, Rex R., Flint, Mich. Folding camp washstand. 1,956,696; May 1.
- Rice, Thomas C., Framingham, Mass. Tappet valve clearance compensator. 1,977,778; Oct. 23.
- Rice, Trew & Rice Co. (See Trew, James W., assignor.)
- Rice, Trew & Rice Company. (See Wood, Frederick P., assignor.)
- Rice, Trew & Rice Co. Inc. (See Partner, Albert A., assignor.)
- Rice, Trew & Rice Co. Inc. (See Rice, A. E., and Trew, assignors.)
- Rice, Wayman, et al. (See Hohmann, Julius, assignor.)
- Rice, William S., Chicago, Ill., assignor to Coe Laboratories, Inc. Clamp for dental inlay rings and the like. 1,955,343; Apr. 17.
- Rice, William H., and H. M. Lyon, Atlanta, Ga. Hose and nozzle coupling. 1,971,120; Aug. 21.
- Rice's, Bernard, Sons Incorporated. (See Rice, Jacques B., assignor.)
- Rich, Ben C., Winnetka, assignor to Great Lakes Dredge & Dock Company, Chicago, Ill. Ball joint for conduits. 1,957,805; May 8.
- Rich, Carl H. (See Armour, J. W., and Rich.)
- Rich, Charles H., Woolrich, Pa. Fire fighting tool. 1,942,901; Jan. 9.
- Rich, Donald U., Teaneck, N. J., assignor to American Car and Foundry Company, New York, N. Y. Shaker chute construction. 1,962,724; June 12.
- Rich, Donald U., Teaneck, N. J., assignor to American Car and Foundry Company, New York, N. Y. Shaker chute construction. 1,978,648; Oct. 30.
- Rich, Frank E., Chicago, and F. C. Burdick, La Grange, assignors to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Delivery mechanism for printing presses. Re19,254; July 24.
- Rich, George G., Bronx, N. Y. Making sanitary inner-soles. 1,959,876; May 22.
- Rich, Hoomes. (See Gigi, Angelina, assignor.)
- Rich, Marion J., Trenton, N. J. Reciprocating motor. 1,967,451; July 24.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Alternating current dynamo-electric machine. 1,961,782; June 5.
- Rich, Willis D., Hingham, assignor to Desk or Chair Sales Corporation, Boston, Mass. Chair. 1,961,392; June 5.
- Richard, Bernhard, assignor to the firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of primary diazo-dyestuffs and their production. 1,950,952; Mar. 13.
- Richard, Charles D. (See Hampton, L. N., Davis, and Richard.)
- Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Carton making machine. 1,954,428; Apr. 10.
- Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Wrapping machine. 1,956,474; Apr. 24.
- Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Carton making machine. 1,957,613; May 8.
- Richard, Clement C., assignor to Allied Products Corporation, Detroit, Mich. Tool retainer. 1,974,217; Sept. 18.
- Richard, Frank A. (See Speranza, James, assignor.)
- Richard, John H. W., Miami, Fla. Syringe. 1,972,428; Sept. 4.
- Richard, Louis M., Woodbridge, Conn. Platform for use with ladders, etc. 1,943,626; Jan. 16.
- Richard, Raymond, St. Anne de Bellevue, Quebec, Canada. Switch operating mechanism. 1,966,136; July 10.

- Richard, William E., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Fastener. 1,960,922; May 29.
- Richards, Aaron T., and R. J. Cowper, Jr., Laramie, Wyo. Cable cone clamp. 1,951,064; Mar. 13.
- Richards, Andrew H. (See Richards, Frank R. and A. H.)
- Richards, Benjamin, Kenilworth, Ill., assignor to "Automatic" Sprinkler Company, Cleveland, Ohio. Fire protective system. 1,945,620; Feb. 6.
- Richards, Daniel, Luddenden Foot, England. Die casting machine. 1,950,568; Mar. 13.
- Richards, Daniel W., Roanoke, Va., assignor to Magnetic Signal Co., Los Angeles, Calif. Crossing signal. 1,943,625; Jan. 16.
- Richards & Davis Company. (See Richards, Henry S., assignor.)
- Richards, Donald A., Yonkers, assignor to Emanuel Hammerling, New York, N. Y. Flaming lighter. 1,946,719; Feb. 13.
- Richards, Edward H., et al. (See Richards, Walter E., assignor.)
- Richards, Edward J., Philadelphia, Pa. Valve closure for collapsible tubes. 1,949,219; Feb. 27.
- Richards, Emrys, Wilkes-Barre, Pa. Urethral irrigator. 1,952,607; Mar. 27.
- Richards, Frank R. and A. H., Grand Junction, Colo.; said F. R. Richards, assignor to said A. H. Richards. Wire stretcher. 1,945,075; Jan. 30.
- Richards, Frederick A., Oakland, Calif. Coasting sled. Des. 93,132; Aug. 21.
- Richards, Frederick A., Oakland, Calif. Coasting sled. 1,954,830; Apr. 17.
- Richards, George, Chicago, Ill. Ice cream freezer. 1,985,381; Dec. 25.
- Richards, George W., Wilmington, Del. Sewer for sand. 1,943,188; Jan. 9.
- Richards, Henry I., Washington, D. C. Copyholder. 1,970,770; Aug. 21.
- Richards, Henry S., assignor to Richards & Davis Company, Fall River, Mass. Window frame. 1,958,680; May 15.
- Richards, James G., Detroit, Mich., assignor of one-third to M. P. Atkins and one-third to D. G. White, Florence, Ala. Pipe wrench. 1,968,707; July 31.
- Richards, John A., et al. (See Richards, Walter E., assignor.)
- Richards, John A., Kalamazoo, Mich. Routing machine. 1,962,524; June 12.
- Richards, John F., et al. (See Zimmermann, Alexander W., assignor.)
- Richards, Kelly, et al. (See Richards, Walter E., assignor.)
- Richards, Simon, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Method and apparatus for removing burrs from welded material. 1,973,877; Sept. 18.
- Richards, Thomas E., Auckland, New Zealand. Printing plate and making the same. 1,957,850; May 8.
- Richards, Walter E., Richmond, assignor of fifty per cent to K. E. H. and J. A. Richards, Owingsville, Ky. Embalmer's instrument. 1,945,656; Feb. 6.
- Richards, Walter F., Quincy, Ill. Retaining device for artificial dentures. 1,970,474; Aug. 14.
- Richards-Wilcox Manufacturing Company. (See Phillips, Ellis J. G., assignor.)
- Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,952,284; Mar. 27.
- Richards, Willard F., Depew, assignor to The Gould Coupler Company, New York, N. Y. Coupler. 1,952,778; Mar. 27.
- Richards, Willard F., Depew, assignor to The Gould Coupler Company, New York, N. Y. Coupler. 1,958,316; May 8.
- Richards, William H., Dayton, Ohio. Universal camera mount. 1,955,770; Apr. 24.
- Richardson, Alan C., Menlo Park, assignor to California Packing Corporation, San Francisco, Calif. Apparatus for testing metallic containers. 1,956,301; Apr. 24.
- Richardson, Allan S., Butte, Mont. Method and apparatus for cooling water and air. 1,962,572; June 12.
- Richardson, Ambrose W., London, England, assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for use in developing photographic prints. 1,962,364; June 12.
- Richardson, Arthur B. F. G., Belvedere, assignor to Calender's Cable and Construction Company Limited, London, England. Machine for winding strip material on electric cables and for the like purposes. 1,954,490; Apr. 10.
- Richardson, Bess E., Los Angeles, Calif. Display container. 1,950,816; Mar. 13.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Seam protecting means for cloth shears. 1,956,536; Apr. 24.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Selective feeler mechanism for protecting cloth seams. 1,956,537; Apr. 24.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Loop cutter. 1,973,104; Sept. 11.
- Richardson, Charles H., Atlantic City, N. J. Holy water font. Des. 91,964; Apr. 10.
- Richardson Company, The. (See Fisher, Harry C., assignor.)
- Richardson Company, The. (See Keller, Charles L., assignor.)
- Richardson Company, The. (See Klippel, Howard B., assignor.)
- Richardson Company, The. (See Reilly, John H., assignor.)
- Richardson Company, The. (See Stafford, Earl, assignor.)
- Richardson Corporation. (See Geddes, Charles A., assignor.)
- Richardson, Donald S., assignor to Ring Containers Limited, London, England. Hermetically sealed tin and other container, and sealing the same. 1,982,883; Dec. 4.
- Richardson, Earle E., assignor to Eastman Kodak Company, Rochester, N. Y. Protective overcoating. 1,958,715; May 15.
- Richardson, Earle E., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Protective overcoating. 1,958,714; May 15.
- Richardson, Eri H., Palo Alto, Calif. Combined fireplace form and damper construction. 1,983,003; Dec. 4.
- Richardson, Frederick, Boston, Mass. Shoulder strap holder. 1,949,331; Feb. 27.
- Richardson, Frederick T., assignor to H. B. Brock, Des Moines, Iowa. Shoe holding device for bootblack stands. 1,968,785; July 31.
- Richardson, Harry H., Hamilton, Ontario, Canada, assignor to Union Drawn Steel Company, Massillon, Ohio. Drawing die. 1,982,352; Nov. 27.
- Richardson, Henry, Chicago, Ill. Corner lock for bedsteads. 1,952,093; Mar. 27.
- Richardson, Henry, Chicago, Ill. Corner lock. 1,952,094; Mar. 27.
- Richardson, Henry, Chicago, Ill. Corner lock for bedsteads. 1,952,095; Mar. 27.
- Richardson, Henry, Chicago, Ill. Corner lock for bedsteads. 1,972,108; Sept. 4.
- Richardson, Henry M., Marblehead, Mass., assignor to General Electric Company. Rayon spinning bucket. 1,962,935; June 12.
- Richardson, Henry M., Marblehead, Mass., assignor to General Electric Company. Rayon spinning bucket. 1,962,936; June 12.
- Richardson, Jesse S., Wilkinsburg, Pa. Gag operating device. 1,963,313; June 19.
- Richardson, John, jr. (See Hopkins, H. H., and Richardson.)
- Richardson, Joseph P., Catlettsburg, Ky. Self-adjusting scissors. 1,947,308; Feb. 13.
- Richardson, Lawrence, Melrose, Mass. Water gauge. 1,952,285; Mar. 27.
- Richardson, Lawrence, Melrose, Mass. Water heater. 1,954,829; Apr. 17.
- Richardson, Lawrence, Melrose, and C. E. Barba, Newton, Mass. Railway truck. 1,970,978; Aug. 21.
- Richardson, Led L., assignor to The Cleveland Rock and Drill Company, Cleveland, Ohio. Hose coupling. 1,971,578; Aug. 28.
- Richardson, Led L., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Road drilling tool for setting marking plugs and the like. 1,973,176; Sept. 11.
- Richardson, Linwood T., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Treating plastic molding compositions including a fibrous filler and an organic binder. 1,944,464; Jan. 23.
- Richardson, Maurice F., Berwyn, Pa. Valve. 1,959,644; May 22.
- Richardson, Maurice F., Berwyn, Pa. Valve. 1,977,806; Oct. 23.
- Richardson, Max C., assignor to Iron Fireman Manufacturing Company, Portland, Ore. Tertiary section for coal burning stokers. 1,973,965; Sept. 18.
- Richardson, Myron H., Chicago, and A. E. Gehert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,960,065; May 22.
- Richardson, Ralph S., Scarsdale, assignor, by mesne assignments, to Chemical Engineering Corporation, New York, N. Y. Synthetic production of bodies from their component gases. Re19,243; July 17.
- Richardson, Ralph S., Teaneck, N. J., assignor to Chemical Engineering Corporation, New York, N. Y. Purifying gases. 1,962,525; June 12.
- Richardson, Raymond D., Englewood, assignor to Lionel D. Bax, Denver, Colo. Measuring instrument. 1,958,864; May 15.
- Richardson, Robert. (See Norton, C. L., Richardson, and Bateman, Jr.)
- Richardson, Robert B., Detroit, Mich. Combination holder, guard, and hood for portable grinding wheels. 1,977,088; Oct. 16.
- Richardson, Robert Paul, Toledo, Ore. Trimmer saw. 1,969,425; Aug. 7.
- Richardson, Rodney G. (See McCreary, Harold J., assignor.)
- Richardson, Rodney G., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,951,109; Mar. 13.
- Richardson, Roger W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of ammonia from cook liquor. 1,943,345; Jan. 16.
- Richardson, Roger W., and R. B. Schneider, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Prevention of foam. 1,981,634; Nov. 20.
- Richardson, Sidney. (See Boyd, C. E., and Richardson.)
- Richardson, Sidney, Hollywood, assignor of one-half to C. E. Boyd, Los Angeles, Calif. Producing orthodontic band brackets. 1,976,141; Oct. 9.

- Richardson, William, assignor to G. Steingruber, Huntsville, Ala. Hot plate mounting. 1,943,144; Jan. 9.
- Richardson, William E. (See Macdonald, F. C., and Richardson.)
- Richardson, William H., Hamden, Conn. Flexible ferule. 1,985,427; Dec. 25.
- Richer, Joseph R., assignor to Illinois Tool Works, Chicago, Ill. Apparatus and method of producing gear members. 1,965,002; July 3.
- Richey, Alban, jr., Holderness, N. H. Baseball player's glove. 1,964,175; June 26.
- Richfield Oil Company of California. (See Day, D. E., and Holzapfel.)
- Richfield Oil Corporation. (See Billings, Robert E., assignor.)
- Richhart, William S., Indianapolis, Ind. Compensating for voltage changes. 1,953,773; Apr. 3.
- Richheimer, Isaac D., New York, N. Y. Coffeepot. 1,965,750; July 10.
- Richig, Jules I., Brooklyn, N. Y. Cushion tie string attachment. 1,974,723; Sept. 25.
- Richman, William H. C., Philadelphia, Pa. Motor suspension for motor vehicles. 1,962,937; June 12.
- Richmond Beverage Machine Corporation. (See Patterson, John L., assignor.)
- Richmond, Burton L., assignor to Adams Wax Products Mfg. Inc., St. Paul, Minn. Electric scrubbing, waxing, and steel wooling machine. 1,947,435; Feb. 13.
- Richmond-Chase Company. (See Johnson, Will R., assignor.)
- Richmond Screw Anchor Co. (See Schenk, Tamis C., assignor.)
- Richmond Turbine Pump Co. Inc. (See Brady, Francis E., jr., assignor.)
- Richroath, George A. (See Kuehn, G. F., and Richroath.)
- Richter, Charles J., Berwyn, assignor to The Goss Printing Press Company, Chicago, Ill. Web controlling mechanism. 1,962,938; June 12.
- Richter, Charles J., Berwyn, Ill., assignor to Goss Printing Press Company, Inkling mechanism. 1,982,830; Dec. 4.
- Richter, Erich. (See Dicke, A., Richter, and Schumacher.)
- Richter, George A., assignor to Brown Company, Berlin, N. H. Refined cellulose fiber. 1,945,202; Jan. 30.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Refined cellulose pulp. 1,949,549; Mar. 6.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Refining cellulose. 1,953,191; Apr. 3.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp of manila, sisal, or like raw fibrous materials. 1,954,226; Apr. 10.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Production of cellulose for viscose-making. 1,955,092; Apr. 17.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Fibrous web for impregnation purposes. 1,956,045; Apr. 24.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Impregnated sheet product. 1,958,976; May 15.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Manufacture of cellulose products. 1,959,965; May 22.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Cellulosic products and making. 1,960,551; May 29.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Glycerinated paper. 1,964,793; July 3.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp yarn or twine. 1,969,095; Aug. 7.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Paper sizing and composition therefor. 1,969,856; Aug. 14.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Impregnated sheet products. 1,972,055; Aug. 28.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Chemical pulping process. 1,974,751; Sept. 25.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Ripening of viscose sirup. 1,984,285; Dec. 11.
- Richter, George A., and J. G. Gosselink, assignors to Brown Company, Berlin, N. H. Treatment of acid setting baths used in artificial silk manufacture. 1,953,868; Apr. 3.
- Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Paper product. 1,961,914; June 5.
- Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Paper fabric and other product. 1,969,855; Aug. 14.
- Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Manufacture of water-repellent papers of high wet strength. 1,971,274; Aug. 21.
- Richter, Hans R. (See Geffken, H. H., and Richter.)
- Richter, Hartmut W., Elizabeth, N. J. Making titanium white. 1,947,226; Feb. 13.
- Richter, Herman W., assignor to Geo. O. Jenkins Co., Bridgewater, Mass. Leatherboard product and making the same. 1,975,556; Oct. 2.
- Richter, Max, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Straight knitting machine. 1,963,478; June 19.
- Richter, Max, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Fluid operated reciprocating mechanism for knitting machines. 1,984,319; Dec. 11.
- Richter, Morten B., Copenhagen, Denmark. Change-over key or switch for telephone exchanges and the like. 1,951,530; Mar. 20.
- Richter, Oskar. (See Otto, W., and Richter.)
- Richter, Otto, Berlin, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Electric drive. 1,960,552; May 29.
- Richter, Paul C., Stamford, and R. S. Potter, Greenwich, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Door closer. 1,942,185; Jan. 2.
- Richter, Robert, assignor to the firm Carl Zeiss, Jena, Germany. Quartz plate for half-shade polarimeters. 1,943,554; Jan. 16.
- Richter, Robert, assignor to the firm Carl Zeiss, Jena, Germany. Converging achromatic eyepiece. 1,968,222; July 31.
- Richter, Theodor, Gelsenau, Germany. Flat hosiery frame. 1,973,781; Sept. 18.
- Richter, Theodore J., et al, administrators. (See Koestlin, Herman F., assignor.)
- Richter, Walter E., Milwaukee, Wis. Replaceable closure. 1,956,747; May 1.
- Richter, Walther, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Temperature control. 1,976,298; Oct. 9.
- Richter, William, Miami, and P. Fray, Tampa, Fla. Fire protection apparatus. 1,985,798; Dec. 25.
- Richter, William F., assignor to Chemical Holding Corporation, Apollo, Pa. Apparatus for winding artificial silk for treatment. 1,957,979; May 8.
- Richterkessing, Frank H., Louisville, Ky. Trolley contactor. 1,966,137; July 10.
- Richtsteig, Max, Chicago, Ill. Chair. 1,962,464; June 12.
- Rickard, Everett B., Columbus, Ohio. Electrical switching device. 1,951,209; Mar. 13.
- Rickel, William C., Bethel, Kans. Concentrating machine. 1,947,877; Feb. 20.
- Ricker, Chester S., Waukesha, Wis. Control for electrical devices. 1,983,308; Dec. 4.
- Ricker, Chester S., Indianapolis, Ind., assignor of one-half to W. S. Bickford, Fairfield, Calif. Headlamp control. 1,967,515; July 24.
- Ricker, Frank L., assignor, by mesne assignments, to The Burrowes Corporation, Portland, Oreg. Ventilator screen. 1,944,183; Jan. 16.
- Ricker, Frederick G., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Actuating mechanism for dough dividers. 1,981,151; Nov. 20.
- Ricker, Norman H., Houston, Tex. Electrical prospecting. 1,960,027; May 22.
- Ricker, Norman H., Houston, Tex. Electrical prospecting. 1,960,028; May 22.
- Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Hydraulic plunger stop. 1,943,553; Jan. 16.
- Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Gauge for determining pressures in deep wells. 1,960,923; May 29.
- Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Pump attachment for pneumatic swabs. 1,970,917; Aug. 21.
- Rickert, August A., assignor to Rickert-Shafer Company, Erie, Pa. Cutting-off machine. 1,978,059; Oct. 23.
- Rickert, August A., assignor to Rickert-Shafer Company, Erie, Pa. Work feeding device. 1,978,060; Oct. 23.
- Rickert-Shafer Company. (See Rickert, August A., assignor.)
- Ricketts, Bruce A. (See Ricketts, Roland C., assignor.)
- Ricketts, Gertrude M., Dayton, Ohio. Steel wool and soap cleaning pad. 1,978,169; Oct. 23.
- Ricketts, James R., Oakland, Calif. Valve surfacing tool. 1,975,290; Oct. 2.
- Ricketts, James R., Richmond, Calif., assignor to National Air Brake Service, Inc. Triple valve lapping tool. 1,970,867; Aug. 21.
- Ricketts, Roland C., assignor of one-third to B. A. Ricketts, Sunnymead, Calif. Brooder. 1,948,132; Feb. 20.
- Ricks, Fred. (See Gouldbourn, J., Ricks, and Roberts.)
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Bag corner sewing machine. 1,949,548; Mar. 6.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,950,569; Mar. 13.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Inseam cementing machine. 1,965,667; July 10.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Buffing tool. 1,966,521; July 17.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for channeling soles. 1,967,327; July 24.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,977,355; Oct. 16.
- Ricks, Fred, and E. F. Towndrow, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Buffing tool. 1,944,302; Jan. 23.
- Ricks, Fred, and H. B. Allcock, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,950,570; Mar. 13.
- Ricks, Fred, and E. F. Towndrow, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Molding apparatus. 1,961,596; June 5.
- Ricks, Hyrum, Huntington Park, Calif., assignor, by mesne assignments, to Lathrop Investment Corporation. Wheeled scraper. 1,947,661; Feb. 20.

- Rickwood, Rowland L. (See Klausmeyer, D. C., and Rickwood.)
- Rickwood, Rowland L., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Skid. 1,944,845; Jan. 23.
- Ric-Wil Company, The. (See Gottwald, Christian, assignor.)
- Riddell, William J., assignor to C. E. Bradley Corporation, Brattleboro, Vt. Air-cooled penholder. Des. 93,736; Oct. 30.
- Riddell, Frank, Philadelphia, Pa. Combined chair and carrier unit. 1,970,707; Aug. 21.
- Riddell, John T., Evanston, Ill. Athletic shoe cleat fastener. 1,948,885; Feb. 27.
- Riddell, John T., Chicago, Ill. Basketball shoe. 1,962,526; June 12.
- Riddell, W. A., Company. (See Jersey, Neil E., assignor.)
- Riddell, William A., assignor to The Frederick Iron & Steel Company, Frederick, Md. Apparatus for producing coke and gas. 1,944,192; Jan. 23.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Folding projection screen. 1,946,639; Feb. 13.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Cable release for photographic shutters. 1,957,911; May 8.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera shutter retard. 1,966,313; July 10.
- Riddell, William A., assignor to The Frederick Iron & Steel Company, Frederick, Md. Manufacturer of coke and producer gas. 1,981,003; Nov. 20.
- Ridderstrom, Andrew R., Nahant, assignor to Prime Manufacturing Company, Lynn, Mass. Folding machine. 1,942,363; Jan. 2.
- Riddick, Arthur C. (See Boal, Leonard P., assignor.)
- Riddick, Kittie B. (See Riddick, Samuel M., assignor.)
- Riddick, Samuel M., assignor to K. B. Riddick, Canton, Miss. Extension handle for caskets. 1,956,593; May 1.
- Riddle, Frank H., Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Refractory material and batch and making the same. 1,942,879; Jan. 9.
- Riddle, Harry M., Toledo, Ohio. Altimeter. 1,957,730; May 8.
- Riddle, William G., Nicholasville, Ky. Battery connector. 1,975,666; Oct. 2.
- Riddock, Charles M., Boston, Mass. Manufacturing shoes. 1,952,731; Mar. 27.
- Ridel, Peter, Santa Barbara, Calif. Valve. 1,984,497; Dec. 18.
- Rideout, Arthur E., Wilmette, Ill., and J. H. Mosley, Jackson Heights, assignors to Standard-Knapp Corporation, Long Island City, N. Y. Can-arranging machine. 1,972,489; Sept. 4.
- Rideout, John G. (See van Doren, H. L. and Rideout.)
- Rideout, John G., Perrysburg, assignor to The American-National Company, Toledo, Ohio. Coaster wagon. Des. 93,674; Oct. 23.
- Rider, Theodore H., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Purifying ricinoleic acid. 1,955,021; Apr. 17.
- Ridge Tool Company, The. (See Thewes, William O., assignor.)
- Ridgely, Charles T., Springfield, Ohio. Paper trimmer. 1,967,516; July 24.
- Ridgway, Carl E., Seattle, Wash. Heat economizer. 1,960,510; May 29.
- Ridgway, Herbert N., Winthrop, Mass. Projector with remote control. 1,959,038; May 15.
- Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Electric resistance furnace. 1,979,052; Oct. 30.
- Ridings, Garvice H., Elizabeth, N. J., and E. J. Agnew, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Measuring resistance of distant grounds from a central office. 1,956,538; Apr. 24.
- Ridler, Earl S., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Purification and regeneration of platinum catalysts. 1,980,829; Nov. 13.
- Ridley, Frederick T., London, assignor to Frederick William Ridley, Edgbaston, Birmingham, England. Bed lift. 1,981,666; Nov. 20.
- Ridley, Frederick W. (See Ridley, Frederick T., assignor.)
- Ridley, Martyn N., Leeds, assignor of one-half to M. Heymann, London, England. Reinforced concrete and other floor, roof, wall, and the like. 1,971,658; Aug. 28.
- Riebeck'sche, A., Montanwerke Aktiengesellschaft. (See Hellthaler, T., and Peter, assignors.)
- Riebeck'sche, A., Montanwerke Aktiengesellschaft. (See Pünz, W., Jahrstorfer, and Hellthaler, assignors.)
- Riebeck'sche Montanwerke Aktiengesellschaft. (See Eberhardt, Otto, assignor.)
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 1,941,758; Jan. 2.
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Convertible suction cleaner. 1,944,950; Jan. 30.
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Apparatus for cleaning, fumigating, etc. 1,961,167; June 5.
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Floor treatment device. 1,969,036; Aug. 7.
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner dust collector. 1,970,190; Aug. 14.
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Packaging. 1,970,193; Aug. 14.
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Wax package. 1,970,194; Aug. 14.
- Riebel, Frederick, jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 1,980,438; Nov. 13.
- Riebel, Frederick, jr., and D. M. Dow, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Applicator. 1,941,759; Jan. 2.
- Riebel, Frederick, jr., and D. M. Dow, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Insecticide delivery apparatus. 1,961,168; June 5.
- Riebel, Frederick, jr., D. M. Dow, and L. M. Henson, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Applicator for surfacing materials. 1,969,476; Aug. 7.
- Riebel, Frederick, jr., D. M. Dow, and L. M. Henson, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Surfacing device. 1,970,191; Aug. 14.
- Riebel, Frederick, jr., D. M. Dow, and L. M. Henson, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Surfactant mounting. 1,970,192; Aug. 14.
- Riebel, Frederick, jr., and L. W. Child, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Air conditioner. 1,972,109; Sept. 4.
- Riebel, Frederick, jr., and D. M. Dow, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 1,974,124; Sept. 18.
- Rieber, Frank, San Francisco, Calif. High frequency wave signaling system. 1,969,037; Aug. 7.
- Rieber, Frank, San Francisco, Calif. Earth bore surveying instrument. 1,981,665; Nov. 20.
- Rieber, Frank, assignor to Sound Laboratory Corporation, Ltd., San Francisco, Calif. Microphone. 1,975,801; Oct. 9.
- Rieck, Albert, jr. (See Keller, F., and Rieck.)
- Riedel, Curtis, New Brighton, Pa. Compressed air cream and egg whip. 1,945,915; Feb. 6.
- Riedel, Walter W., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,945,566; Feb. 6.
- Riedel, Walter W., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Producing ball and socket joints. 1,960,956; May 29.
- Riedel, Walter W., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Automobile signal. 1,960,957; May 29.
- Rieder, Everette E., Cleveland, Ohio. Skating device. 1,945,331; Jan. 30.
- Riedling, John H., Memphis, Tenn. Lint stripper. 1,944,271; Jan. 23.
- Rieff, John G., London, Wis. Garden tool. 1,973,417; Sept. 11.
- Rieffannacht, Maud L., New York, N. Y. Garment. 1,972,795; Sept. 4.
- Rieffannacht, Maud L., assignor to Kumfitted Garments, Inc., New York, N. Y. Garment. 1,973,659; Sept. 11.
- Riegel Paper Corporation. (See Herrick, Walter W., assignor.)
- Rieger, Emil. (See Bazlen, M., Rieger, and Scholtz.)
- Riehm, Wilhelm, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Internal combustion engine. 1,957,294; May 1.
- Riehs, Richard J. (See Schneider, D., and Riehs.)
- Riek, Forest O., Rhinelander, Wis. Valve. 1,948,676; Feb. 27.
- Riek, Rudolph A., Rhinelander, Wis. Door for refrigerating units. 1,956,929; May 1.
- Rieke Metal Products Corporation. (See Rieke, Theodore W., assignor.)
- Rieke, Sidney C., Mission, Tex. Machine for cleaning and polishing fruit. 1,965,056; July 3.
- Rieke, Theodore W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Fitting for containers. Re19,351; Oct. 23.
- Rieke, Theodore W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Spile for a liquid container. 1,945,495; Jan. 30.
- Rieke, Theodore W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Bung fixture for sheet metal containers. 1,947,425; Feb. 13.
- Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Manufacture of sheet metal tubes. 1,984,083; Dec. 11.
- Riemenschneider, Ernest, assignor to The Midland Steel Products Company, Cleveland, Ohio. Making welded axle housings. 1,945,076; Jan. 30.
- Riemenschneider, Ernest, assignor to The Midland Steel Products Company, Cleveland, Ohio. Making welded axle housings. 1,945,077; Jan. 30.
- Riemenschneider, Ernest, assignor to The Midland Steel Products Company, Cleveland, Ohio. Making axle housings. 1,945,078; Jan. 30.
- Riemenschneider, Ernest, assignor to The Midland Steel Products Company, Cleveland, Ohio. Forming axle housings. 1,945,079; Jan. 30.

- Riemenschneider, Ernest, assignor to Midland Steel Products Company, Cleveland, Ohio. Method and apparatus for welding. 1,948,801; Feb. 27.
- Riemenschneider, Ernest, and R. H. Thoms, assignors to The Midland Steel Products Company, Cleveland, Ohio. Forming axle housings for motor vehicles. 1,982,400; Nov. 27.
- Rieppel, George M. (See Koller, William J., assignor.)
- Ries, Charles, Philadelphia, Pa. Washing machine. 1,950,680; Mar. 13.
- Ries, Gottfried, Karlsruhe, Baden, Germany. Steering gear for motor cars. 1,959,548; May 22.
- Ries, Irving G., and D. G. Shearer, Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Apparatus for making motion pictures. 1,982,322; Nov. 27.
- Rieseler, Walter, and W. Kreiser, Keyport, N. J., assignors to E. B. Wilford, Philadelphia, Pa. Aircraft. 1,975,124; Oct. 2.
- Riesenbergh, Henry, Minneapolis, Minn. Face steaming mask. 1,943,992; Jan. 16.
- Riesman, Joseph G., Milton, assignor to Royal Electric Company, Incorporated, Avon, Mass. Plug fuse. 1,982,693; Dec. 4.
- Riess Manufacturing Company, The. (See Phelps, Clyde H., assignor.)
- Riffe, Andrew J. (See Schenck, Cecil R., assignor.)
- Riffe, Edna. (See Davis, Enoch A., assignor.)
- Rifkin, Jacob, Wilkes-Barre, Pa. Lock for separable fasteners. 1,950,414; Mar. 13.
- Rifkin, Jacob, Wilkes-Barre, Pa. Lock for separable fasteners. 1,950,415; Mar. 13.
- Rigabar, Napoleon. (See Valentine, C. W., and Rigabar.)
- Riggins, David E., Milwaukie, Oreg. Doorcheck. 1,965,805; July 10.
- Riggins, David E., Milwaukie, Oreg. Doorcheck. 1,965,806; July 10.
- Riggs, Homer C., Orange, and W. O. Paisley, Lawrence, assignors to Rodney Hunt Machine Company, Orange, Mass. Suds box. 1,950,010; Mar. 6.
- Riggs, Leon W., Schenectady, N. Y., assignor to General Electric Company. Shaft seal. 1,947,172; Feb. 13.
- Rightmire, Franklin, Paterson, N. J. Head protector. 1,967,067; July 17.
- Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Deck lid lock. 1,957,806; May 8.
- Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Doorlatch mechanism. 1,983,639; Dec. 11.
- Rigney, William D. (See Wilcox, R. L., and Rigney.)
- Rigsby, Virgil, Veach, assignor of one-half to B. G. Lindsey, Jasper, Tex. Machine gun. 1,959,737; May 22.
- Rike, Frederick F. (See Huffman, W. P., and Rike.)
- Rike, Frederick F., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Valve. 1,945,657; Feb. 6.
- Rike, Howard A., Norphlet, Ark. Well pumping valve. 1,957,867; May 8.
- Riker, Malcolm D., et al. (See Hoover, Joseph C., assignor.)
- Riley, Allan, and H. Rush, Coventry, England. Door or like lock. 1,967,627; July 24.
- Riley, Champlain L., North Plainfield, N. J., assignor to Industrial Associates, Inc., New York, N. Y. Sewage disposal. 1,949,181; Feb. 27.
- Riley Engineering & Supply Co. Ltd. (See Robertson, Robert M., assignor.)
- Riley, Fred E., Livermore Falls, Maine. Lubricated valve and control system. 1,946,235; Feb. 6.
- Riley, Fred E., Livermore Falls, Maine. Lubricated valve. 1,946,236; Feb. 6.
- Riley, Harry L., South Kensington, England, assignor to Imperial Chemical Industries Ltd. Oxidation of organic compounds. 1,955,890; Apr. 24.
- Riley, John U., Cohasset, Mass. Boller, toaster, and the like. 1,969,184; Aug. 7.
- Riley, Percy, Coventry, England. Change speed year mechanism. 1,955,656; Apr. 17.
- Riley, Ralph E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making a molded rubber shoe. 1,947,173; Feb. 13.
- Riley, Ralph E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making sponge rubber articles. 1,983,677; Dec. 11.
- Riley, Ruth V., Fayetteville, Ark. Enclosure for bed. 1,948,048; Feb. 20.
- Riley Stoker Corporation. (See Armour, James W., assignor.)
- Riley Stoker Corporation. (See Armour, J. W., and Rich, assignors.)
- Riley Stoker Corporation. (See Craig, Ollison, assignor.)
- Riley Stoker Corporation. (See Daniels, Fred H., assignor.)
- Riley Stoker Corporation. (See Daniels, F. H., and Nahigyan.)
- Riley Stoker Corporation. (See De Voe, William E., assignor.)
- Riley Stoker Corporation. (See Kuhner, Max H., assignor.)
- Riley Stoker Corporation. (See Nahigyan, Kevork K., assignor.)
- Riley Stoker Corporation. (See Robertson, Robert M., assignor.)
- Riley, Thomas N., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric cable. 1,941,913; Jan. 2.
- Riley, William J., Belmont, Mass. Arch supporter. 1,974,161; Sept. 18.
- Rilling, Harry L. (See Lynch, T. L., Rilling, and Redfield.)
- Rimele, Eugen, and E. Glietenberg, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble azodyestuffs derived from 2,3-hydroxynaphthoic acid arylides. 1,967,370; July 24.
- Rimmer, John H. (See Whitfield, J. F., and Rimmer.)
- Rimmer, Richard, Ainsdale, England. Sill brick. 1,981,327; Nov. 20.
- Rimple, Edward J., Porterville, Calif. Truss type track link. 1,950,748; Mar. 13.
- Rimple, Edward J., Santa Clara, assignor to Caterpillar Tractor Co., San Leandro, Calif. Harvester. 1,960,596; May 29.
- Rinaldi, Jean, New York, N. Y. Vending machine casing. Des. 91,500; Feb. 13.
- Rinaldi, Jean, New York, N. Y. Vending machine. 1,984,893; Dec. 18.
- Rinde, Charles A. (See Winsor, P. H. D., and Adams, assignors.)
- Rindfleisch, Herman E., Reedsburg, Wis. Racing game. 1,971,236; Aug. 21.
- Rindskopf, Alexander C., assignor of one-half to H. O. Shults, Chicago, and one-half to E. Rindskopf, Wilmette, Ill. Rug and making same. 1,956,594; May 1.
- Rindskopf, Emma, et al. (See Rindskopf, Alexander C., assignor.)
- Riney, Arthur H., and L. T. Gibbs, assignors to Phillips Petroleum Company, Bartlesville, Okla. Pipe line. 1,947,616; Feb. 20.
- Ring Containers Limited. (See Richardson, Donald S., assignor.)
- Ring, Harold B., Brooklyn, N. Y. Combination gas burner. 1,963,420; June 19.
- Ring, Joseph E. (See Abbott, E. J., and Ring.)
- Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Propeller blade adjusting system. 1,952,566; Mar. 27.
- Ring, Raymond, Chicago, Ill. Illuminated mirror. Des. 92,427; June 5.
- Ring, Raymond, W. L. Pereira, and J. Horsley, Chicago, Ill.; said Pereira and Horsley assignors to said Ring. Illuminated make-up mirror. Des. 91,636; Feb. 27.
- Ringel, Abraham, Merchantville, N. J., assignor to Radio Corporation of America. Transmission cable. 1,976,804; Oct. 16.
- Ringel, Abraham S., Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound-translating device. 1,951,531; Mar. 20.
- Ringenberg, John A., Tulsa, Okla., assignor to Tom G. Boman, Grand Rapids, Mich. Self-locking coin lid for bottles. 1,948,133; Feb. 20.
- Ringer, Friedrich. (See Pier, M., and Ringer.)
- Ringer, Ferdinand, Vienna, Austria. Igniting stick. 1,941,621; Jan. 2.
- Ringer, Luther, Union Springs, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ironer. 1,977,593; Oct. 16.
- Ringle, Ralph J., Cleveland, Ohio. Arch support and exerciser. 1,962,527; June 12.
- Ringle, Robert F., assignor to Herman Pneumatic Machine Company, Zelenople, Pa. Timing valve. 1,956,962; May 1.
- Ringle, Robert F., assignor to Herman Pneumatic Machine Company, Zelenople, Pa. Valve for molding machines. 1,968,467; July 31.
- Ringrose, Henry T., West Park, Leeds, England. Detecting, indicating, and recording the presence of inflammable vapors or gases. Re19,048; Jan. 16.
- Ringstrom, Ivan G., St. Paul, Minn. Fluid pressure operated device. 1,941,815; Jan. 2.
- Ringwald, Clarence. (See Oberdick, E. O., and Ringwald.)
- Ringwald, Clarence, North Hampton, Ohio. Support for electric motors and fans. 1,965,668; July 10.
- Ringwald, Clarence, Springfield, Ohio, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. Re19,097; Feb. 27.
- Rinia, Herre. (See Bol, C., and Rinia.)
- Rinia, Herre, Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifier. 1,966,221; July 10.
- Rinia, Herre, Eindhoven, Netherlands, assignor to Radio Corporation of America. Screened coils provided with a device for adjusting the self-inductance. 1,969,819; Aug. 14.
- Rink, George W. (See Campbell, N. G., and Rink.)
- Rinman, Erik L., Djursholm, Sweden. Producing valuable products from vegetable substances. 1,941,760; Jan. 2.
- Riordan, Nellie, Fulton, Ill. Garment drying support. 1,966,970; July 17.
- Riordan, Thomas G., San Antonio, Tex. Cutter. 1,971,428; Aug. 28.
- Ripin, Seymour H. (See Hahne, Max, assignor.)
- Ripley, Annie, Victoria, British Columbia, Canada. Educational device for use in primary school work. 1,977,246; Oct. 16.
- Ripley, Harding A., Melrose, Mass. Window or door frame. 1,950,519; Mar. 13.
- Rippel, Herbert C., assignor to Republic Steel Corporation, Youngstown, Ohio. Flash remover. 1,969,579; Aug. 7.

- Rippen, Nicholas, New York, N. Y. Plate-and-frame-assembling means. 1,954,599; Apr. 10.
- Ripper, Kurt, Berlin, Germany. Molding powder. 1,951,772; Mar. 20.
- Ripper, Kurt, Berlin, Germany. Artificial mass and its manufacture. 1,952,941; Mar. 27.
- Ripper, Kurt, Vienna, Austria, assignor, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Condensation product of urea and formaldehyde and making same. 1,967,261; July 24.
- Ripper, Kurt, Vienna, Austria, assignor, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Manufacturing condensation products. 1,972,110; Sept. 4.
- Rippl, Francis J., East Cleveland, Ohio, assignor to General Electric Company. Method of and apparatus for soldering bases. 1,960,066; May 22.
- Rippl, Francis J., East Cleveland, Ohio, assignor to General Electric Company. Method of and apparatus for applying solder. 1,960,067; May 22.
- Rip Van Winkle Wall Bed Company. (See Sinclair, Neil, assignor.)
- Risdon Manufacturing Company, The. (See Peterson, Gunnard P., assignor.)
- Rising, Walter H., assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for cooling glass articles. 1,951,950; Mar. 20.
- Risser, Arthur I. (See Gaynor, John J., assignor.)
- Ristow, Carl, Berlin, Germany. Manufacture of paper bottles. 1,942,345; Jan. 2.
- Riszdorfer, Edmond, Budapest, Hungary. Arrangement for the automatic regulation of the length of time of exposure in taking photographic pictures. 1,974,433; Sept. 25.
- Ritch, Nell, San Antonio, Tex. Pencil holder. 1,979,773; Nov. 6.
- Ritchey, Ivan J., East Brady, Pa. Glare-intercepting eyeshield. 1,963,716; June 19.
- Ritchie, Charles. (See Wilson, H., and Ritchie.)
- Ritchie, Charles L., and F. A. Tice, assignors to The Electric Railway Equipment Company, Cincinnati, Ohio. Section insulator. 1,962,259; June 12.
- Ritchie, Clarence A. (See Merrill, A. B., and Ritchie.)
- Ritchie, Clarence A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making sheet rubber material. 1,978,030; Oct. 23.
- Ritchie, John R., assignor to Niess and Company, Inc., Minneapolis, Minn. Bulldozer. 1,981,287; Nov. 20.
- Ritchie, Thomas, Oskaloosa, Iowa. Plant support. 1,976,094; Oct. 9.
- Ritchie, Thomas, Locust Valley, N. Y. Vibration absorber for steering wheels. 1,984,033; Dec. 11.
- Rite-Rite Mfg. Co. (See Boa, G. C., and Hill, assignors.)
- Elite-Rite Mfg. Co. (See Hale, Joe D., assignor.)
- Rite-Rite Mfg. Co. (See Lang, Herbert H., assignor.)
- Ritnour, Luther C., Natchez, Miss. Lubricating oil gauge. 1,965,781; July 10.
- Rittenhouse, A. E., Co., The. (See Rittenhouse, Arthur E., assignor.)
- Rittenhouse, Arthur E., assignor to The A. E. Rittenhouse Co., Inc., Honeye Falls, N. Y. Insect extirminator. 1,982,123; Nov. 27.
- Rittenhouse, Leon W., Rochester, N. Y. Can attachment. 1,965,356; July 3.
- Rittenhouse, Leshner B., Baltimore, Md. Valve gear lock. 1,965,057; July 3.
- Rittenhouse, Olin, Honeye Falls, N. Y. Electric cut-out. 1,952,460; Mar. 27.
- Ritter, Albert W., assignor to Sargent & Company, New Haven, Conn. Work-carrying arm for plating machines. 1,956,625; May 1.
- Ritter, Albert W., assignor to Sargent & Company, New Haven, Conn. Molasses gate. 1,974,083; Sept. 18.
- Ritter, Carl C., assignor to Frigidaire Corporation, Dayton, Ohio. Making refrigerator doors. 1,971,384; Aug. 28.
- Ritter Dental Manufacturing Company. (See May, Adam J., assignor.)
- Ritter, Gilbert P., Washington, D. C., assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,960,649; May 29.
- Ritter, Heinrich. (See Kalischer, G., and Ritter.)
- Ritter, Henry T., South Rockwood, Mich. Tile greenhouse bench. 1,976,858; Oct. 16.
- Ritter, John J., assignor to The W. B. Marvin Manufacturing Company, Urbana, Ohio. Scraper. 1,950,930; Mar. 12.
- Ritter, Julius, jr. (See Sand, S., and Ritter.)
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Luggage carrier case. 1,946,761; Feb. 13.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Luggage carrier case. 1,946,762; Feb. 13.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case. 1,949,626; Mar. 6.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case. 1,960,454; May 29.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Luggage holder. 1,960,455; May 29.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Container support. 1,975,291; Oct. 2.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Luggage carrier. 1,975,292; Oct. 2.
- Ritter, Julius, jr., and W. C. Chesnut, assignors to Hartmann Trunk Company, Racine, Wis. Luggage carrier. 1,947,227; Feb. 13.
- Ritter, Malte, W. Möbius, O. Rothenberg, and F. W. Block, Magdeburg, Germany. Chip-flow lathe for hard-metal and diamond tools. 1,957,667; May 8.
- Ritter, Matthew, Oakland, Calif. Combined service tray and stand. 1,944,757; Jan. 23.
- Ritter, Philip J., Brooklyn, N. Y. Sponge rubber article. 1,963,560; June 19.
- Ritter, Robert, Bourtzwiller, Haut-Rhin, France. Glass-house. 1,970,708; Aug. 21.
- Ritter, Thompson D. (See Ritter, William B., assignor.)
- Ritter, Walter P. (See Johnson, Walfred, assignor.)
- Ritter, William B., assignor of one-half to T. D. Ritter, Philadelphia, Pa. Rug shampooing machine. 1,949,659; Mar. 6.
- Rithamer, Boleslaw. (See Roth, R., Pollock, Johnson, and Rithamer.)
- Rittman, Adolph C., assignor to Eastman Kodak Company, Rochester, N. Y. Nitrocellulose cement. 1,969,477; Aug. 7.
- Rittmeister, Wilhelm, Rodleben, near Rosslau, Germany. Method for the heat treatment under pressure of high boiling hydrocarbons. 1,963,717; June 19.
- Ritz, Emil, jr., Mount Healthy, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Construction of grinders for use in lathes or the like. 1,953,133; Apr. 3.
- Ritz, Emil, jr., Mount Healthy, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Grinding machine. 1,982,483; Nov. 27.
- Ritz, Frederick, Beloit, Wis. Injector. 1,944,371; Jan. 23.
- Ritz, Frederick J., assignor to Universal Oil Products Company, Chicago, Ill. Initially opening a remotely positioned valve. 1,954,100; Apr. 10.
- Ritz, Frederick, Beloit, Wis. Liquid fuel injector. 1,982,023; Nov. 27.
- Ritz, H. W. (See Zimmer, Samuel B., assignor.)
- Ritzhaupt, Roy H., assignor to Gilman Fanfold Corporation, Ltd., Niagara Falls, N. Y. Manifolding assembly. 1,949,625; Mar. 6.
- Ritzinger, John R., Elizabeth, N. J., assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,960,280; May 29.
- Ritz-Woller, Oliver C., Chicago, Ill. Electric iron. Des. 93,737; Oct. 30.
- Ritz-Woller, Oliver C., Chicago, Ill. Make-up mirror. Des. 94,049; Dec. 11.
- Ritz-Woller, Oliver C., Chicago, Ill. Make-up mirror. Des. 94,050; Dec. 11.
- Ritz-Woller, Oliver C., Chicago, Ill. Make-up mirror. Des. 94,051; Dec. 11.
- Ritz-Woller, Oliver C., Chicago, Ill. Brake and clutch pedal pad. 1,950,631; Mar. 13.
- Rivat, George, Paterson, N. J., assignor to Celanese Corporation of America. Printing. 1,944,372; Jan. 23.
- Rivat, George, Lyon, France, assignor to Celanese Corporation of America. Coloring of textile materials. 1,968,855; Aug. 7.
- Rivat, George, Lyon, France, assignor to Celanese Corporation of America. Treatment of textile materials containing cellulose derivatives. 1,968,856; Aug. 7.
- Rivat, George, Lyon, France, assignor to Celanese Corporation of America. Coloration of textile materials. 1,972,111; Sept. 4.
- Rivera, Antonio, Mexico D. F., Mexico. Receptacle for liquids. 1,979,903; Nov. 6.
- Rivers, Durward S., Indianapolis, Ind. Electric circuit interrupter. 1,958,977; May 15.
- Rivers, Elmer J., Farmingdale, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane & Motor Company, Inc. Riveting device. 1,951,839; Mar. 20.
- Rivers, Napoleon R., Ashtabula, Ohio. Wrench. 1,982,070; Nov. 27.
- Rivers, Russell C., Worcester, Mass. Peg bolt and the like. 1,958,497; May 15.
- Riverside Boiler Works, Inc. (See Clark, Walter L., assignor.)
- Riverside Cement Company. (See Starke, Howard R., assignor.)
- Rives, Frank M., Schenectady, N. Y., assignor to General Electric Company. Coupling system. 1,962,910; June 12.
- Rives, Owen H., Holdenville, Okla. Portable fountain. 1,962,840; June 12.
- Rivet-Grip Steel Co., The. (See Tashjian, Armen H., assignor.)
- Rivett Lathe & Grinder Corporation. (See Blanchard, Frederick C., assignor.)
- Rivier, Louis, Jouxteus-Mezery, Switzerland. Illuminating devices. 1,981,328; Nov. 20.
- Rivier, Louis, Jouxteus, Switzerland. Lamp. 1,981,329; Nov. 20.
- Rivier, Louis, Jouxteus, Switzerland. Ignition device. 1,981,330; Nov. 20.
- Riviere, Albert S., assignor to Union Special Machine Company, Chicago, Ill. Fabric guiding means for sewing machines. 1,946,359; Feb. 6.
- Rix, Edward G., assignor to American Perforator Company, Chicago, Ill. Perforating machine. 1,982,453; Nov. 27.
- Rix, William R., assignor to A. N. Russell & Sons Company, Ithaca, N. Y. Cabinet door construction. 1,981,710; Nov. 20.
- Rizzo, Columbus, Detroit, Mich. Illuminator for automobiles. 1,946,916; Feb. 13.

- Rizzo, Joseph, Patterson, La. Tie. 1,949,583; Mar. 6.
 Roach Appleton Manufacturing Company. (See Newman, C., and Roach, assignors.)
 Roach, Floyd L., Kansas City, Mo. Automatic corn popping machine. 1,976,142; Oct. 9.
 Roach, Gerald A., and K. F. Wagler, Youngstown, Ohio. Easel for cemetery wreaths. 1,958,716; May 15.
 Roach, Nathan, assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Valve. 1,966,562; July 17.
 Roach, Walter O. (See Newman, C., and Roach.)
 Roadless Traction Limited. (See Penn, Oscar S., assignor.)
 Roadstrum, Victor N. (See Faber, William F., assignor.)
 Robak, John J., Philadelphia, Pa. Worm gearing. 1,966,358; July 10.
 Robaczynski, Ladislaus, Brooklyn, N. Y. Knitting machine. 1,984,991; Dec. 18.
 Robb, Charles F., Jr. (See Wright, William D., assignor.)
 Robb, Frank M., Belleville, Ontario, Canada. Method and apparatus for studying sound. 1,964,929; July 3.
 Robb, James C., Overbrook, Pa. Portable electric tool. 1,965,669; July 10.
 Robb, John D. (See Russell, A. N., and Robb.)
 Robb, John F., Cleveland Heights, Ohio. Machine for making frozen confections. 1,960,456; May 29.
 Robb, John F., Cleveland Heights, Ohio. Unit system grade separation structure. 1,970,979; Aug. 21.
 Robb, John F., Cleveland Heights, Ohio, assignor to Highway Trailer Company, Edgerton, Wis. Fifth wheel construction. 1,977,013; Oct. 16.
 Robb, John F., Cleveland Heights, assignor to Highway Trailer Company, Edgerton, Wis. Fifth wheel construction. 1,982,928; Dec. 4.
 Robb, John F., Cleveland Heights, Ohio, and C. H. Wagner, Washington, D. C., assignors to Highway Trailer Company, Edgerton, Wis. Reversible fifth wheel construction. 1,977,014; Oct. 16.
 Robbins, Albert H., et al. (See Morrell, Michael, assignor.)
 Robbins, Arthur B. (See Warmuth, William S., assignor.)
 Robbins, Azor D. (See Wirrer, G., and Robbins.)
 Robbins, Azor D., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Clutch. 1,972,602; Sept. 4.
 Robbins, Azor D., New Brunswick, N. J., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. High pressure lubricating apparatus. Re19,244; July 17.
 Robbins, C. H. D., Co. (See Jaccarino, Concetta, assignor.)
 Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Marking machine. 1,974,753; Sept. 25.
 Robbins, Clyde F. (See Hunter, R. B., and Robbins.)
 Robbins, Frank D., Portland, Oreg., assignor to Danta Boyd, Long Beach, Calif. Sanding machine drum. 1,963,448; June 19.
 Robbins, George A., Hilliar Township, Knox County, Ohio. Metal window. 1,970,195; Aug. 14.
 Robbins, Harry, assignor to International Flouncing Co. Inc., New York, N. Y. Plating attachment for sewing machines. 1,985,106; Dec. 18.
 Robbins, Henry H. (See Fishburn, O. E., and Robbins.)
 Robbins, Jesse J., Hollywood, Calif., assignor to Stylofede Corporation. Mechanical pencil. Des. 93,133; Aug. 21.
 Robbins, L. C., et al. (See Peltier, Joseph E., assignor.)
 Robbins & Myers, Inc. (See Morgenstern, Charles E., assignor.)
 Robbins, Newton A. (See Respess, R. B., and Robbins.)
 Robbins, Ola C., et al. (See Peltier, Joseph E., assignor.)
 Robbins, Percy A., Highland Park, Ill. Translucent sound record. 1,956,626; May 1.
 Robbins, Percy A., Lynn, Mass., assignor to General Electric Company. Temperature indicating device. 1,945,378; Jan. 30.
 Robbins, Philip H., assignor to Poirrette Corsets, Inc., New York, N. Y. Undergarment. 1,979,120; Oct. 30.
 Robeck, Joseph, Lincoln, Nebr. Show case. 1,942,124; Jan. 2.
 Robert, Otto, Philadelphia, Pa. Concrete mold construction. 1,949,083; Feb. 27.
 Robert, Otto, Philadelphia, Pa. Concrete mold construction. 1,974,752; Sept. 25.
 Robertson, S. Denver, and P. W. Harmon, St. Louis, Mo. Electric water heater. 1,968,708; July 31.
 Robertson, Harold E. (See Swift, D. D., and Robertson.)
 Roberts, Alaric J., et al. (See Cook, George H., assignor.)
 Roberts, Alexander, Brooklyn, N. Y. Attachment for printing presses. 1,974,469; Sept. 25.
 Roberts, Amasa C., assignor to Sommers Brothers Appliance Company, Saginaw, Mich. Traffic signal. 1,965,807; July 10.
 Roberts Brass Manufacturing Company. (See Roberts, Earl W., assignor.)
 Roberts Brass Manufacturing Company. (See Roberts, Thomas H., assignor.)
 Roberts, Claudius H. M., Long Beach, Calif., assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,979,347; Nov. 6.
 Roberts, Charles, and J. J. Vertrees, New York, N. Y. Advertising display device. 1,953,937; Apr. 10.
 Roberts, Charles, and J. J. Vertrees, New York, N. Y., assignors to R. P. Bonnie, Louisville, Ky. Advertising display device. 1,954,459; Apr. 10.
 Roberts, Charles W., East Milton, Mass., assignor to Locke Insulator Corporation, Baltimore, Md. Bus bar and bushing connection. 1,978,649; Oct. 30.
 Roberts, Claudius H. M. (See De Groote, M., and Roberts.)
 Roberts, Claudius H. M., Houston, Tex., assignor, by mesne assignments, to Petroleum Rectifying Company of California, Los Angeles, Calif. Process and apparatus for separating emulsions by the combined action of magnetic and electric fields. 1,949,660; Mar. 6.
 Roberts, Claudius H. M., Long Beach, assignor, by mesne assignments, to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical processes and apparatus for separating emulsions. 1,959,385; May 22.
 Roberts, Claudius H. M., Long Beach, assignor, by mesne assignments, to Petroleum Rectifying Company of California, Los Angeles, Calif. Magnetic separation of emulsions. 1,978,509; Oct. 30.
 Roberts, Claudius H. M., San Marino, Calif., assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,977,089; Oct. 16.
 Roberts, Claudius H. M., San Marino, Calif., assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,977,146; Oct. 16.
 Roberts, Claudius H. M., San Marino, Calif., assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,978,227; Oct. 23.
 Roberts, Claudius H. M., Long Beach, Calif., assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,985,692; Dec. 25.
 Roberts, Cushman & Company. (See Roberts, Edward, Jr., assignor.)
 Roberts, David B., Hartford, Conn. Oil burner. 1,948,188; Feb. 20.
 Roberts, Earl W., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Pilot jet assembly. 1,949,182; Feb. 27.
 Roberts, Edmund W., Cincinnati, Ohio. Gasoline hammer. 1,977,645; Oct. 23.
 Roberts, Edmund W., assignor to R. D. O'Connell and J. R. Sweeney, Cincinnati, Ohio, doing business as O'Connell & Sweeney. Percussion tool. 1,969,153; Aug. 7.
 Roberts, Edward, Jr., Hobokus, N. J., assignor to Roberts, Cushman & Company, New York, N. Y. Marking, printing, and embossing machine. 1,979,640; Nov. 6.
 Roberts, Edward H., assignor, by mesne assignments, to Minneapolis Air Conditioner Company, Minneapolis, Minn. Humidifier. 1,982,323; Nov. 27.
 Roberts, Edward L., Los Angeles, Calif. Sanitary faucet. 1,982,071; Nov. 27.
 Roberts, Edward L., and A. V. Dennison, Los Angeles, Calif. Olla cover. Des. 93,738; Oct. 30.
 Roberts, Elmer, Montclair, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Rubber surfacing material, method of producing same, and composition for use therein. 1,967,904; July 24.
 Roberts, Ervin E., Hartford, Conn. Screw propeller. 1,963,531; June 19.
 Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Basket lining for centrifugals. 1,946,500; Feb. 13.
 Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Timing control device. 1,956,539; Apr. 24.
 Roberts, Frank B., Anaheim, assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for drying fruit. 1,981,197; Nov. 20.
 Roberts, Fred T. (See Fonda, Jay C., assignor.)
 Roberts, Fred T., assignor to The Hamilton Trust Company, Paterson, N. J. Rubber ball. 1,964,008; June 26.
 Roberts, Fred T., Ridgewood, N. J., assignor to Frank A. Daly, Pawtucket, R. I., trustee. Method of and apparatus for making inner tubes for tires. 1,974,629; Sept. 25.
 Roberts, George H., Rock Island, Ill., assignor to American Trust Company, Davenport, Iowa. Piston ring. 1,978,061; Oct. 23.
 Roberts, George I. (See Dirkes, R. F., and Roberts.)
 Roberts, Glen L., Glendale, Calif. Brake. 1,962,939; June 12.
 Roberts, Grant W., Baltimore, Md. Display sign for bottled products. Des. 91,400; Jan. 23.
 Roberts, Harry J. (See Maus, J. N., and Roberts.)
 Roberts, Harry J., Salina, Kans. Automatic draft regulating device. 1,973,997; Sept. 18.
 Roberts, Harry N., and W. S. Beaugrand, Lexington, Ky. Soap holder. 1,981,389; Nov. 20.
 Roberts, Harry W., Trenton, N. J. Dipping machine. 1,946,360; Feb. 6.
 Roberts, Henry P., Brooklyn, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Mouthpiece. 1,980,293; Nov. 13.
 Roberts, Hollis L., Manchester, Mass. Game apparatus. 1,955,344; Apr. 17.
 Roberts, Jacob E., Point Marion, Pa. Test checking apparatus. 1,946,361; Feb. 6.
 Roberts, Jacob E., Point Marion, Pa. Test paper correcting machine. 1,958,174; May 8.
 Roberts, James H., Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Cardboard box. 1,963,677; June 19.
 Roberts, John A. (See Croasdale, J. P., Jr., and Roberts.)

- Roberts, Joseph, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Chemical drier. 1,960,123; May 22.
- Roberts, Joseph H., Waterbury, assignor to F. B. Shuster Co., Inc., New Haven, Conn. Fabricating machine for long stock. 1,945,469; Jan. 30.
- Roberts, Joseph H., Waterbury, assignor to F. B. Shuster Co., Inc., New Haven, Conn. Rotary shear. 1,951,841; Mar. 20.
- Roberts, Joseph H., Waterbury, assignor to The F. B. Shuster Company, New Haven, Conn. Fabricating machine for long stock. 1,965,808; July 10.
- Roberts, Joseph K., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Converting hydrocarbon oils. 1,985,214; Dec. 18.
- Roberts, Joseph K., Hammond, and G. W. Watts, assignors to Standard Oil Company, Whiting, Ind. Stabilization of light hydrocarbon oils and particularly pressure distillate. 1,961,840; Mar. 20.
- Roberts, Joseph K., Hammond, and G. W. Watts, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. System for stabilizing light hydrocarbons. 1,954,101; Apr. 10.
- Roberts, Joseph P., assignor of one-fifth to J. E. Bryan and one-fifth to W. H. Schooley, St. Petersburg, Fla. Carburetor. 1,965,470; July 3.
- Roberts, Lillian B., Murfreesboro, Tenn. Dental fitting for laboratories. 1,978,328; Oct. 23.
- Roberts & Mander Stove Company. (See Antrim, W. D., and Schlemmer, assignors.)
- Roberts, Mason M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,979,842; Nov. 6.
- Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive booster construction. 1,979,904; Nov. 6.
- Roberts, Paul E., Minneapolis, Minn., assignor, by mesne assignments, to Stott Briquet Company, Inc. Agitator for stoker hoppers. 1,958,641; May 15.
- Roberts, Paul I., Caliente, Nev., assignor of one-half to C. O. Sportsman, Flange oiler. 1,944,272; Jan. 23.
- Roberts, Rankin H., assignor to Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Table. Des. 91,738; Mar. 13.
- Roberts, Richard E., Long Island City, N. Y. Puzzle and support therefor. 1,975,667; Oct. 2.
- Roberts, Robert P. (See Ewing, H., and Roberts.)
- Roberts, Robert P. (See Payne, R. W., and Roberts.)
- Roberts, Sally P., New York, assignor of one-third to P. F. Sonnek, Woodhaven, N. Y. Treating the human finger and toe nail. 1,978,144; Oct. 23.
- Roberts, Samuel E., Cumberland, Md., assignor to Celanese Corporation of America. Tensioning device. 1,968,097; July 31.
- Roberts, Samuel S., Pittsburgh, Pa. Descaler. 1,984,762; Dec. 18.
- Roberts, Thomas H., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Gas cock. 1,953,776; Apr. 3.
- Roberts, Thomas J., Rylstone, New South Wales, Australia. Gate hinge with leveling and tilting adjustment. 1,949,183; Feb. 27.
- Roberts, Thomas J., Rylstone, New South Wales, Australia. Guard for controlling arm movements in boxing tuition. 1,956,201; Apr. 24.
- Roberts, Tom R., Indianapolis, Ind. Quick release hanger for tools, etc. 1,960,511; May 29.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Amplifying system. 1,968,104; July 31.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Amplifier system. 1,968,105; July 31.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Hum elimination system. 1,969,902; Aug. 14.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne receiver. 1,969,903; Aug. 14.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Superregenerative circuit. 1,983,812; Dec. 11.
- Roberts, Walter V. B., Princeton, N. J., assignor to Radio Corporation of America. Negative conductance circuits. 1,971,919; Aug. 28.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne frequency changing circuits. 1,943,458; Jan. 16.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Positive grid bias. 1,944,574; Jan. 23.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Directional aerial. 1,947,021; Feb. 13.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Superregenerative receiver. 1,948,315; Feb. 20.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Constant frequency difference heterodyne. 1,949,843; Mar. 6.
- Roberts, Walter van B., Princeton, N. J., assignor of one-fourth to Ira J. Adams. Choking device for gasoline engines. 1,955,145; Apr. 17.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Vacuum tube. 1,958,591; May 15.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Stable amplitude oscillator. 1,966,046; July 10.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Amplifier circuits. 1,981,071; Nov. 20.
- Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Superregenerative receiver. 1,982,694; Dec. 4.
- Roberts, Wayne B., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Spray coating machine. 1,964,790; July 3.
- Roberts, William H. (See Holmes, J. Q., and Roberts.)
- Roberts, William T. B. (See Gouldbourn, J., Ricks, and Roberts.)
- Roberts, William T. B. (See Swales, G. P., Roberts, and Lane.)
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,962,260; June 12.
- Robertshaw, George A., Montclair, N. J., assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostat. 1,976,517; Oct. 9.
- Robertshaw, Horace, et al. (See Fabian, Joseph E., as signor.)
- Robertshaw, John A. (See Newell, R. E., and Robertshaw.)
- Robertshaw Thermostat Company. (See Morris, John, assignor.)
- Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)
- Robertshaw Thermostat Company. (See Newell, R. E., and Robertshaw, assignors.)
- Robertshaw Thermostat Company. (See Price, Harold W., assignor.)
- Robertshaw Thermostat Company. (See Robertshaw, George A., assignor.)
- Robertshaw Thermostat Company. (See Unger, Max S., assignor.)
- Robertson, Albert D., Davidson County, Tenn. Pneumatic inner tube. 1,975,802; Oct. 9.
- Robertson, Arthur F. (See Dunham, L. S., and Robertson.)
- Robertson, Charles J. (See Ware, W. C., and Robertson.)
- Robertson, Charlie W., assignor of one-half to W. C. Wiley, Tyler, Tex. Crate. 1,951,676; Mar. 20.
- Robertson, Clarence D., Mornington, Victoria, Australia. Handle of golf clubs and the like. 1,979,174; Oct. 30.
- Robertson, Clarence E. (See Fisch, Albert L., assignor.)
- Robertson, David. (See Robertson, James A., and D.)
- Robertson, Edward A., La Grange, Ill. Dowel bar cap and stop. 1,942,494; Jan. 9.
- Robertson, Edward A., La Grange, Ill. Road form for road widening. 1,956,046; Apr. 24.
- Robertson, Edwin J., Hamilton, Ontario, Canada. Funeral coach. 1,971,991; Aug. 28.
- Robertson, Floyd A. (See Backlund, A. E., and Robertson.)
- Robertson, George A., Richmond, Va. Sand cleaning machine and method. 1,984,431; Dec. 18.
- Robertson, George F., Appleton, Wis. Pin tool. 1,979,175; Oct. 30.
- Robertson, George M., Danielson, Conn., assignor to Draper Corporation, Hopedale, Mass. Loom take-up mechanism. 1,963,808; June 19.
- Robertson, George R., Los Angeles, Calif., assignor to Central Scientific Company, Burner. 1,978,477; Oct. 30.
- Robertson, H. H., Company. (See Black, George E., assignor.)
- Robertson, H. H., Company. (See Jenkins, Reginald W., assignor.)
- Robertson, H. H., Company. (See Young, J. H., and Hubbell, assignors.)
- Robertson, Harry M., Cleveland, Ohio. Kiln. 1,958,448; May 15.
- Robertson, Harry M., Cleveland, Ohio. Retort. 1,968,775; July 31.
- Robertson, Hugh J., Jr., New York, assignor to The Fibre Conduit Company, Orangeburg, N. Y. Outlet for electrical conduits and applying the same. 1,946,237; Feb. 6.
- Robertson, James A., and D. Robertson, assignor of one-half to G. F. McCandless, Toronto, Ontario, Canada. Heat treating ferrous metals. 1,942,937; Jan. 9.
- Robertson, John, Oakland, Calif. Package-opening device. 1,979,641; Nov. 6.
- Robertson, John C., Annapolis, assignor to Locke Insulator Corporation, Baltimore, Md. Insulator assembling machine. 1,944,134; Jan. 16.
- Robertson, John, Co. (See Jacobson, Conrad C., assignor.)
- Robertson, John, Co., Inc. (See Jacobson, C. C., and Schweder, assignors.)
- Robertson, John H. (See De Luca, Ettore, assignor.)
- Robertson, Luther B., Matador, Tex. Building. Des. 93,134; Aug. 21.
- Robertson, Mabel N., Philadelphia, Pa. Food server. 1,969,580; Aug. 7.
- Robertson, Robert, Pawtucket, R. I. Machine for operating on textile threads. 1,984,810; Dec. 18.
- Robertson, Robert M., assignor to Riley Engineering & Supply Co. Ltd., Toronto, Ontario, Canada. Holst. 1,949,920; Mar. 6.
- Robertson, Robert M., Toronto, Ontario, Canada, assignor to Riley Stoker Corporation, Worcester, Mass. Automatic stoker. 1,973,506; Sept. 11.

- Robertson, Robert R., Chicago, Ill. Road marking device. 1,956,252; Apr. 24.
- Robertson, Robert R., Chicago Heights, Ill. Bar support. 1,979,410; Nov. 6.
- Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Load transmission joint for roads. 1,956,809; May 1.
- Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Road joint base unit. 1,982,695; Dec. 4.
- Robertson, Walter H., North Plainfield, N. J., assignor to Massey Concrete Products Corporation, Chicago, Ill. Apparatus for installing and guiding pipe or the like. 1,948,733; Feb. 27.
- Robertson, Walter S., Attleboro, Mass., assignor to F. S. Land, Kansas City, Mo. Brooch. Des. 91,330; Jan. 9.
- Robertson, Walter S., assignor to L. G. Balfour Company, Attleboro, Mass. Brooch. Des. 92,927; July 31.
- Robertson, Walter S., Attleboro, Mass., assignor to F. S. Land, Kansas City, Mo. Brooch. Des. 93,795; Nov. 6.
- Robertson, William E., Wilmette, assignor to W. H. Miner, Inc., Chicago, Ill. Insulating means. 1,979,490; Nov. 6.
- Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,961,169; June 5.
- Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,978,914; Oct. 30.
- Robertson, William H., and J. H. Lewis, Portland, Oreg. Engine with an oscillating blade or blades for the development of power. 1,955,148; Apr. 17.
- Robertson, William I., London, England. Electric furnace. 1,969,038; Aug. 7.
- Robertson, William W. (See Dacey, E. J., and Robertson.)
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical filling stop motion for Axminster looms. 1,958,112; May 8.
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tuft forming and spacing device for Axminster looms. 1,958,113; May 8.
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster loom. 1,973,357; Sept. 11.
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yarn guide for Axminster looms. 1,973,358; Sept. 11.
- Robeson Process Company. (See Wallace, Fredrick J., assignor.)
- Robeson-Rochester Corporation. (See Schott, Howard H., assignor.)
- Robey, Andrew A., Lowell, Mass. Sterilizing apparatus. 1,946,362; Feb. 6.
- Robichaud, Walter, assignor to National Tinsel Manufacturing Company, Manitowoc, Wis. Gift-wrapping assembly. 1,951,561; Mar. 20.
- Robichaux, Sosthene. (See Barrett, G. J., and Robichaux.)
- Robichaux, Sosthene, Saratoga, and G. J. Barrett, Houston, Tex. Sample taking apparatus. 1,948,631; Feb. 27.
- Robillard, Louis A., assignor to John Lovell & Son, Limited, Montreal, Quebec, Canada. Machine for separating jig-saw puzzle pieces. 1,957,078; May 1.
- Robin, Nathan, Chicago, Ill. Game. 1,977,894; Oct. 23.
- Robin, Philip T., Erie, Pa., assignor, by mesne assignments, to The Wellman Engineering Company, Cleveland, Ohio. Trailer hitch mechanism. 1,948,677; Feb. 27.
- Robinhold, Daniel G. (See Scott, Lawrence W., assignor.)
- Robins Conveying Belt Company. (See Andrada, M. J., and Fairbairn, assignors.)
- Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)
- Robins, Erford E. (See Stahl, F. E., Cotesworth, and Robins.)
- Robins, Samuel D., Hewlett, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Training idler for conveyor belts. 1,963,099; June 19.
- Robinson, Albert E., assignor to The American Tool Works Company, Cincinnati, Ohio. Lubricating means for metal shaping machines. 1,944,828; Jan. 23.
- Robinson, Archie D., Westfield, Mass. Container for dispensing fluid substances. 1,980,878; Nov. 13.
- Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Staple pulling machine. 1,982,755; Dec. 4.
- Robinson, Charles J., Savannah, Ga. Barrel. 1,947,228; Feb. 13.
- Robinson, Charles J., Claremont, assignor to L. Blake-Smith, San Francisco, Calif. Resolving emulsions. 1,974,692; Sept. 25.
- Robinson, Charles J., Claremont, assignor to L. Blake-Smith, San Francisco, Calif. Method of parting chemically treated emulsions. 1,974,693; Sept. 25.
- Robinson, Charles W. (See Johnson, A. E. W., and Robinson.)
- Robinson, Claude E., Tenafly, N. J., assignor to Radio Corporation of America. Recording the wave-length to which a radio set is tuned. 1,961,170; June 5.
- Robinson Clay Products Company. (See Schaulin, George M., assignor.)
- Robinson, Conway, Baltimore, Md. Apparatus for hot welding and rolling metals and other substances. 1,975,434; Oct. 2.
- Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Track support. 1,945,332; Jan. 30.
- Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Overhead doorlock. 1,955,439; Apr. 17.
- Robinson, Edgar W., and J. E. Burney, Birmingham, Ala., assignors to E. J. Brooks Company, Newark, N. J. Sealing means. 1,962,841; June 12.
- Robinson, Edward E., Belleville, N. J. Brush construction. 1,948,429; Feb. 20.
- Robinson, Edwin B. (See Clarke, R. B. F. F., Robinson, and Shepherdson.)
- Robinson, Eric A., Aldwych, London, England, assignor to American Throttle Company, Inc., New York, N. Y. Throttle. 1,957,505; May 8.
- Robinson, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Rotary disk, turbine bucket wheel, or the like. 1,959,220; May 15.
- Robinson, Ernest M. (See Stavely, R., Robinson, Ernest M., and P. A.)
- Robinson, Ernest Y., Enfield, England, assignor to General Electric Company. Circuits for relaying or amplifying direct or alternating current energy. 1,953,775; Apr. 3.
- Robinson, Ernest Y., Enfield, England, assignor to Associated Electrical Industries Limited. Grid electrode of vacuum electric tube devices. 1,958,349; May 8.
- Robinson, Eugene O., Hutchinson, Kans. Ice scoring machine. 1,981,331; Nov. 20.
- Robinson, Eugene O., assignor of one-half to T. Blake-more, Hutchinson, Kans. Ice-scoring machine. 1,947,740; Feb. 20.
- Robinson, Frank W., assignor to Schuylkill Hosiery Mills, Reading, Pa. Reciprocally operated knitting machine. 1,947,617; Feb. 20.
- Robinson, Frank W., assignor to Schuylkill Hosiery Mills, Inc., Reading, Pa. Circular knitting machine. 1,984,656; Dec. 18.
- Robinson, George A., Braintree, Mass., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Blank feeding mechanism. 1,956,475; Apr. 24.
- Robinson, Harold C. (See Nelson, M. L., and Robinson.)
- Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Coral Gables, Fla. Trailer. Des. 92,559; June 19.
- Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Coral Gable, Fla. Combination tractor and trailer. Des. 94,096; Dec. 18.
- Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Opa Locka, Fla. Open trailer. Des. 91,965; Apr. 10.
- Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Opa Locka, Fla. Jack. 1,958,114; May 8.
- Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Opa Locka, Fla. Gussett plate connection for truss frames. 1,960,196; May 22.
- Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Opa Locka, Fla. Self connecting coupling device for tractors and trailers. 1,960,754; May 29.
- Robinson, Harold H. and H. A., sr., assignors to Curtiss Aerocar Company, Inc., Opa Locka, Fla. Coupling for tractor trailer combinations. 1,982,072; Nov. 27.
- Robinson, Harry G. (See Conner, E. A., and Robinson.)
- Robinson, Harry G., Stratford, assignor to Industries of America, Incorporated, Bridgeport, Conn. Fastening wheels to spindles. 1,947,662; Feb. 20.
- Robinson, Harry G., Stratford, assignor to Industries of America, Incorporated, Bridgeport, Conn. Submerged cutting. 1,969,238; Aug. 7.
- Robinson, Henry, Lindenhurst, N. Y. Silverware burnishing machine. 1,983,401; Dec. 4.
- Robinson, Henry H., Los Angeles, Calif. Orifice meter fitting. 1,980,699; Nov. 13.
- Robinson, Henry H., assignor to Robinson Orifice Fitting Company, Los Angeles, Calif. Orifice meter fitting. 1,957,807; May 8.
- Robinson, Howard W., Twin Falls, Idaho. Lid for cooking vessels. 1,961,571; June 5.
- Robinson, Hugh A., sr. (See Robinson, Harold H. and H. A., sr.)
- Robinson, J. A., jr., et al. (See Robinson, John A., sr., assignor.)
- Robinson, Jack, East Alton, assignor to Standard Oil Company, Chicago, Ill. Storage of liquefied gas. 1,963,922; June 19.
- Robinson, Jack, Wood River, assignor to Standard Oil Company, Chicago, Ill. Neutralizing a petroleum oil. 1,984,432; Dec. 18.
- Robinson, Jack D. (See Bruson, H. A., Robinson, and Stein.)
- Robinson, Jacqueline C., Dallas, Tex. Hair comb. 1,977,920; Oct. 23.
- Robinson, James, London, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited. Electrical signaling apparatus. 1,967,971; July 24.
- Robinson, James, London, England, assignor, by mesne assignments, to British Radiostat Corporation, Limited. Thermionic valve system. 1,978,764; Oct. 30.
- Robinson, James M., Evansville, Ind. Sound reproducing device. 1,949,184; Feb. 27.
- Robinson, John A., sr., assignor of forty-five per cent to L. A. Robinson, and five per cent to J. A. Robinson, jr., Galveston, Tex. Spud for toilet bowls. 1,978,958; Oct. 30.
- Robinson, John B., Chicago, Ill., assignor to Chicago Hydraulic Oil Co. Hydraulic pressure fluid. 1,973,660; Sept. 11.

- Robinson, John E., Kidderminster, England. Securing flanges to bobbins. 1,948,430; Feb. 20.
- Robinson, John T., and T. A. Schwamb, Boston, Mass. Machine for grooving fibrous board. 1,967,262; July 24.
- Robinson, Joseph, New York, N. Y. Electrically heated atomizer. 1,944,108; Jan. 16.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe coupling head. 1,941,622; Jan. 2.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,942,938; Jan. 9.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe coupling head. 1,942,939; Jan. 9.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,942,940; Jan. 9.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,942,941; Jan. 9.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,944,193; Jan. 23.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,945,704; Feb. 6.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,950,093; Mar. 6.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,956,047; Apr. 24.
- Robinson, Joseph, New York, N. Y., assignor of one-half to Roy M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe coupling head. 1,956,878; May 1.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,959,499; May 22.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Coupling mechanism of automatic train pipe connectors. 1,961,110; May 29.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,965,908; July 10.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,965,909; July 10.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connector. 1,968,313; July 31.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe coupling. 1,970,980; Aug. 21.
- Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe coupling. 1,981,004; Nov. 20.
- Robinson, Julius P., et al. (See Kneis, William M., assignor.)
- Robinson, L. A., et al. (See Robinson, John A., sr., assignor.)
- Robinson, Lester L., et al. (See Murray, William M., assignor.)
- Robinson, Manuel G., Lynn, Mass., assignor to General Electric Company. Hollow flanged body portion. 1,965,357; July 3.
- Robinson, Mitchell B., Toledo, Ohio, assignor to S. F. Jordan, Detroit, Mich. Masonry construction. 1,960,979; May 29.
- Robinson Orifice Fitting Company. (See Robinson, Henry H., assignor.)
- Robinson, Oscar, Detroit, Mich. Front wheel brake control. 1,977,895; Oct. 23.
- Robinson, Paul. (See Iliff, J. W., and Robinson.)
- Robinson, Paul, Boston, Mass. Nonflammable wooden building product and making the same. 1,959,966; May 22.
- Robinson, Percival A. (See Stavley, R., and Robinson, Ernest M. and P. A.)
- Robinson, Percy W., Scotia, N. Y., assignor to General Electric Company. Method of and apparatus for controlling asynchronous dynamo-electric machines. 1,965,432; July 3.
- Robinson, Percy W., Scotia, N. Y., assignor to General Electric Company. Regenerative braking of alternating-current commutator motors. 1,980,830; Nov. 13.
- Robinson, Phil R., Montreal, Quebec, Canada. Type-writer attachment. 1,961,455; June 5.
- Robinson, R. P. (See Turner, Jacob A., assignor.)
- Robinson, Reed W., and A. Olsen, jr., San Francisco, Calif. Candy product and process. 1,983,568; Dec. 11.
- Robinson, Robert. (See Bunbury, H. M., Davies, Naunton, and Robinson.)
- Robinson, Robert H. (See Holmes, A. H., and Robinson.)
- Robinson, Robert H., assignor to Wildt and Company Limited, Leicester, England. Knitting machine. 1,951,842; Mar. 20.
- Robinson, Rochfort W., San Antonio, Tex. Variable spacing feed mechanism for typewriting machines. 1,985,581; Dec. 25.
- Robinson, Saul. (See Enright, Robert B., assignor.)
- Robinson, Thomas, assignor to Lancaster Asphalt, Inc., New York, N. Y. Building product and making same. 1,941,491; Jan. 2.
- Robinson, Thomas, assignor to Lancaster Processes, Inc., New York, N. Y. Apparatus for disintegrating and dispersing. 1,958,020; May 8.
- Robinson, Thomas, assignor to Lancaster Asphalt, Incorporated, New York, N. Y. Shingle. 1,973,931; Sept. 18.
- Robinson, Thomas, assignor to Lancaster Processes, Inc., New York, N. Y. Disintegrating. 1,977,807; Oct. 23.
- Robinson, Thomas, Goldenbridge, assignor to Lancaster Asphalt, Inc., New York, N. Y. Mixing and reducing apparatus. 1,977,955; Oct. 23.
- Robinson, Thomas A., and J. J. McGetrick, Salt Lake City, Utah; said Robinson assignor to said McGetrick. Ascending window blind. 1,956,202; Apr. 24.
- Robinson, Thomas L., Valparaiso, Ind. Roller bearing. 1,985,693; Dec. 25.
- Robinson, Victor H., Los Angeles, assignor to W. W. Cummings, Santa Paula, Calif. Dish. Des. 93,288; Sept. 11.
- Robinson, Wallace W., Portland, Maine. Tourniquet. 1,962,285; June 12.
- Robinson, Walter W., Beloit, Wis., assignor of one-half to B. F. Lyons, Chicago, Ill. Electrical contact device. 1,969,991; Aug. 14.
- Robinson, Ward M., and H. K. Rader, assignors to Mueller Brass Co., Port Huron, Mich. Joint. 1,963,421; June 19.
- Robinson, William C. (See Church, W. W., and Robinson.)
- Robinson, William C., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Under-floor duct outlet. 1,975,976; Oct. 9.
- Robinson, William V., Owosso, Mich. Automatic grinding and polishing machine. 1,952,334; Mar. 27.
- Robinson, William V., Owosso, Mich. Automatic grinding and polishing machine. 1,976,805; Oct. 16.
- Robisch, John W., Jefferson, Wis. Pump valve. 1,963,867; June 19.
- Robison, Daniel B., Cicero, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,960,877; May 29.
- Robison, Volney E., Alhambra, Calif. Attachable toothbrush protector. 1,968,709; July 31.
- Roblee, Melvin A., Clayton, Mo. Automobile. 1,980,550; Nov. 13.
- Robson, Homer L. (See Cunningham, G. L., and Robson.)
- Roby, Edward B., assignor to The S and R Folding Machine Co., Inc., New York, N. Y. Driving mechanism for textile edge folding machines. 1,969,820; Aug. 14.
- Roby, Edward B., and H. C. Underwood, assignors to The S and R Folding Machine Co., Inc., New York, N. Y. Forming pointed corners. 1,965,968; July 10.
- Roby, Frank M., Cleveland, Ohio. Gauge glass apparatus. 1,984,945; Dec. 18.
- Roby, Sheldon S., Meriden, and H. H. Raymond, Berlin, assignor to The Stanley Works, New Britain, Conn. Apparatus for operating doors. 1,978,093; Oct. 23.
- Roby, William G., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Coupling device for hose and like connections. 1,974,379; Sept. 18.
- Roche, Charles F., Waltham, Mass. Ice creeper. 1,964,442; June 26.
- Roche, Clifton R., Los Angeles, Calif. Fore wheel drive construction. 1,960,457; May 29.
- Roche, Clifton R., Los Angeles, Calif. Foot-actuated starter for automobiles. 1,960,458; May 29.
- Roche, James N., Pittsburgh, Pa., assignor to American Tar Products Co., Inc. Composition of matter and preparing the same. 1,981,123; Nov. 20.
- Roché, Jean A., Dayton, Ohio. Constructing aircraft structures. 1,985,262; Dec. 25.
- Rochester Folding Box Co., The. (See Fancher, Howard M., assignor.)
- Rochester Manufacturing Co. (See Hastings, Herbert, assignor.)
- Rochester Manufacturing Co. (See Hastings, H., and Hall, assignor.)
- Rochester, Richmond, Mountain Lakes, N. J. Photographic pocket camera. Des. 93,580; Oct. 9.
- Rochestie, Barnett B., Trenton, N. J. Weighing machine. 1,952,567; Mar. 27.
- Rochestie, David W., Trenton, N. J. Weighing machine casing. Des. 92,627; June 26.
- Rochet, Joseph, assignor to Compagnie de Produits Chimiques et Electrometallurgiques, Alais, Froges et Camarque, Paris, France. Process for the preparation of artificial silk. 1,951,994; Mar. 20.
- Rochlus, Benjamin B., Cleveland, Ohio. Model selector and style indicator. 1,966,971; July 17.
- Rochter, Emil. (See Müller, E. M., and Richter.)
- Rodić, Ivan, New York, N. Y. Combination ofiddle plate, broiler, and toaster. Des. 92,978; Aug. 7.
- Rock, Arthur F., assignor to General Dry Batteries, Inc., Cleveland, Ohio. Dry cell and terminal therefor. 1,971,275; Aug. 21.
- Rock, Darrell D., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering apparatus. 1,951,441; Mar. 20.
- Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material processing apparatus. 1,965,358; July 3.
- Rock, Harry B., assignor to California Consolidated Water Company, Los Angeles, Calif. Water cooler. 1,960,714; May 29.
- Rock, Harry B., assignor to California Consolidated Water Company, Los Angeles, Calif. Water cooler. 1,973,392; Sept. 11.

- Rock, Jacob N., and E. A. Vail, Salt Lake City, Utah. Fluid pressure brake. 1,951,672; Mar. 20.
- Rock, John F., Duluth, Mo. Brake and clutch. 1,943,930; Jan. 16.
- Rockafellar, Frank W., et al. (See Beck, William M., assignor.)
- Rockbestos Products Corporation. (See Reeves, Beauford H., assignor.)
- Rocke, Louis, Brooklyn, N. Y. Detachable clasp. 1,949,882; Mar. 6.
- Rockford Drilling Machine Co. (See Carlson, Raymond A., assignor.)
- Rockford Drilling Machine Company. (See Ruesenberg, Carl A., assignor.)
- Rockhill, Fred E., Ketchikan, Territory of Alaska. Lock cap for gas tanks. 1,964,214; June 26.
- Rockhill, William S., Bristol, Pa., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Log washer shaft and arm assembly. 1,982,597; Nov. 27.
- Rockhoff, Bert E., assignor to Detroit Steel Products Company, Detroit, Mich. Grinding machine. 1,973,177; Sept. 11.
- Rock Island Register Company. (See Burgess, John J., assignor.)
- Rockola, David C., Chicago, Ill. Game device. 1,942,880; Jan. 9.
- Rockola, David C., Chicago, Ill. Game apparatus. 1,949,488; Mar. 6.
- Rockola, David C., Chicago, Ill. Game apparatus. 1,975,374; Oct. 2.
- Rock-ola Mfg. Co. (See Huenergardt, William H., assignor.)
- Rock-Ola Mfg. Co. (See Nelson, William L., assignor.)
- Rock River Cotton Company. (See Muggleton, Charles A., assignor.)
- Rockstroh, Joachim, Cologne-Deutz, F. Raspe, Leverkusen I. G. Werk, and H. Kircher, Leverkusens-Schlebusch, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of wurtzite from zinc blende. 1,984,763; Dec. 18.
- Rockwell-Barnes Company. (See Salsman, Thomas J., assignor.)
- Rockwell, Edward A. (See Evans, E. R., and Rockwell.)
- Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,943,901; Jan. 16.
- Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,944,575; Jan. 23.
- Rockwell, Edward A., Chicago, Ill. Power brake construction. 1,946,112; Feb. 6.
- Rockwell, Edward A., Chicago, Ill. Decelerating device. 1,953,366; Apr. 3.
- Rockwell, Edward A., Chicago, Ill. Inclosed disk type power brake unit. 1,953,989; Apr. 10.
- Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,957,669; May 8.
- Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,968,423; July 31.
- Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,970,626; Aug. 21.
- Rockwell, Edward A., Chicago, Ill. Input linkage control for power brakes. 1,975,478; Oct. 2.
- Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,976,519; Oct. 9.
- Rockwell, Edward A., Chicago, Ill. Stamped fuel pump. 1,976,520; Oct. 9.
- Rockwell, Edward A., Chicago, Ill. Fuel pump. 1,980,091; Nov. 6.
- Rockwell, Edward A., Chicago, Ill., assignor to Patent Engineering Corporation, New York, N. Y. Vacuum gauge. 1,949,627; Mar. 6.
- Rockwell, Edward A., assignor to Stewart-Warner Corporation, Chicago, Ill. Liquid level indicator. 1,958,205; May 8.
- Rockwell, Edward A., Long Island City, N. Y. Fuel feeding device. 1,946,590; Feb. 13.
- Rockwell, Edward A., Long Island City, N. Y. Mechanical power brake. 1,948,359; Feb. 20.
- Rockwell, Edward A., Long Island City, N. Y. Fluid pressure brake. 1,953,988; Apr. 10.
- Rockwell, Edward A., Long Island City, N. Y. Impulse fuel feeding device. 1,980,090; Nov. 6.
- Rockwell, Edward A., Long Island City, N. Y. Fuel pump. 1,981,250; Nov. 20.
- Rockwell, Edward A., Long Island City, N. Y. Fuel pumping device. 1,981,667; Nov. 20.
- Rockwell, Edward A., Forest Hills, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel feeding device. 1,976,518; Oct. 9.
- Rockwell, Edward W. (See Hunt, L. F., and Rockwell.)
- Rockwell, Hugh M., Freeport, N. Y. Internal combustion engines. 1,964,082; June 26.
- Rockwell, Hugh M., Freeport, N. Y. Rod end joint. 1,983,947; Dec. 11.
- Rockwell, Rena V., Wilkesburg, Pa. Garment. 1,955,657; Apr. 17.
- Rockwell, Willard F., Pittsburgh, and H. W. Alden, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle drive and braking apparatus. 1,948,397; Feb. 20.
- Rockwood, A. Waldo, Winchester, assignor to Haley-Cate-Rockwood Co., Inc., Everett, Mass. Piping. Des. 93,242; Sept. 4.
- Rockwood, A. Waldo, Winchester, assignor to Haley, Cate, Rockwood Company, Everett, Mass. Piping, wetting, or the like. 1,979,231; Oct. 30.
- Rockwood, George H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 1,977,697; Oct. 23.
- Rockwood, George I. (See Carlson, H. G., Arnott, and Rockwood.)
- Rockwood Gypsum Corporation of America. (See Meier, Albert J.)
- Rockwood Sprinkler Company of Massachusetts. (See Carlson, H. G., Arnott, and Rockwood, assignors.)
- Rockwood Sprinkler Company of Massachusetts. (See Howard, Clifton P., assignor.)
- Rockwood Sprinkler Company of Massachusetts. (See Kendall, Horace C., assignor.)
- Rockwood Sprinkler Company of Massachusetts. (See Lofgren, Peter, assignor.)
- Rocus, Florence E., Santa Barbara, Calif. Kitchen novelty maid. Des. 93,796; Nov. 6.
- Rodde, Armand, and A. H. Herault, Paris, and V. Hudeley, Clichy, and J. Lagrave, Paris, France. Arrangement for engraving cylinders to obtain films with refringent elements. 1,955,658; Apr. 17.
- Rode, Friedrich J. (See Glasner, R. W., and Rode.)
- Rode, Friedrich J., Chicago, Ill. Metal working press. 1,943,555; Jan. 16.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Forging machine. 1,953,314; Apr. 3.
- Rode, Friedrich J., and R. W. Glasner, Chicago, Ill. Press construction. 1,960,166; May 22.
- Rodemeyer, Harry, Detroit, Mich. Hinge construction. 1,970,196; Aug. 14.
- Roder, Hans, Schenectady, N. Y., assignor to General Electric Company. Inductance coil. 1,961,783; June 5.
- Roder, Hans, Scotia, N. Y., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Keying system. 1,977,594; Oct. 16.
- Roder, Hans, Scotia, N. Y., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Keying circuit. 1,977,595; Oct. 16.
- Rodger Ballast Car Company. (See Hindahl, David, assignor.)
- Rodger Ballast Car Company. (See Hosceit, William J., assignor.)
- Rodgers, Claude M. (See Chapleau, L. A., and Rodgers.)
- Rodgers, Fay T., Memphis, Tenn. Refrigerator. 1,968,654; July 31.
- Rodgers, Otis F., Whiting, Iowa. Reverse control mechanism. 1,974,786; Sept. 25.
- Rodgers, Rudolph, et al. (See Young, K. G., and Veit, assignors.)
- Rodin, Fritz Y., Chatham Center, N. Y. Potato harvester. 1,975,668; Oct. 2.
- Rodin, William F., Los Angeles, Calif. Dental flask. 1,962,410; June 12.
- Rodier, Hilmer F., Woodcliff, N. J., assignor to Oil Equipment Laboratories, Inc. Automatic valve controlling device. 1,977,015; Oct. 16.
- Rodier, Waldo E., assignor to La Plante-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa. Hydraulic control device. 1,974,657; Sept. 25.
- Rodman, Clarence J. (See Hick, Harry J., assignor.)
- Rodman, Clarence J., Alliance, Ohio. Bathtub. 1,955,022; Apr. 17.
- Rodman, Clarence J., and R. P. Dunmire, assignors to The Buckeye Twist Drill Company, Alliance, Ohio. Purifying oil. 1,951,739; Mar. 20.
- Rodman, Isaac P., South Orange, assignor to Lektophone Corporation, Jersey City, N. J. Production of motion pictures in natural colors. 1,983,402; Dec. 4.
- Rodman, Thomas E. (See Overmier, E., and Rodman.)
- Rodney, George B., Fayetteville, N. C. Tire deflation indicator. 1,984,084; Dec. 11.
- Rodnon, Louis, Brooklyn, N. Y. Face powder box. 1,964,274; June 26.
- Rodorme, George W., Park Ridge, assignor to Reliable Electric Company, Chicago, Ill. Telephone station outdoor protector. 1,948,078; Feb. 20.
- Rodrian, Richard, assignor of one-half to H. H. Butterman, New York, N. Y. Electrochemical process for the recovery of metals from ores and other metal bearing materials. 1,941,914; Jan. 2.
- Rodrigues, Octavius V., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor and loading device therefor. 1,969,945; Aug. 14.
- Rodriguez, Benjamin R., Newark, N. J. Automobile locking device. 1,961,305; June 5.
- Rodstein, Harry, and I. Nathanson, Brooklyn, N. Y. Portable cabinet or similar article. Des. 92,020; Apr. 17.
- Rodstein, Harry, and I. Nathanson, Brooklyn, N. Y. Portable bar or similar article. Des. 93,849; Nov. 13.
- Rodwin, George. (See Weinberger, J., Smith, and Rodwin.)
- Roe, Arthur. (See Hiller, N. H., and Roe.)
- Roe, Emmett J., Wichita, Kans. Dressing form. 1,952,779; Mar. 27.
- Roe, George R. (See Naftel, G. W., and Roe.)
- Roe, Mark W., assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Coaster. Des. 91,501; Feb. 13.
- Roe, Ralph C., Englewood, N. J. Air cooling and air conditioning device. 1,954,949; Apr. 17.
- Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Regenerative heat cycle. 1,961,784; June 5.
- Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Heat cycle. 1,961,785; June 5.

- Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Binary fluid power plant. 1,961,786; June 5.
- Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Binary fluid power plant. 1,961,787; June 5.
- Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Two fluid power plant. 1,961,788; June 5.
- Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Boiler for power plants. 1,976,462; Oct. 9.
- Roe, Reginald C. (See Smith, R. J., Newton, and Roe.)
- Roe, Walter. (See Henderson, W. S., and Roe.)
- Roe, William C., assignor to Telkor, Inc., Elyria, Ohio. Speed governing mechanism. 1,945,233; Jan. 30.
- Roebel, Ludwig, Mannheim, Germany. Constant current direct current generator. 1,970,338; Aug. 14.
- Roebliug's, John A., Sons Company. (See Morgan, Archibald J., assignor.)
- Roebliug's, John A., Sons Company. (See Pedersen, John A., assignor.)
- Roebliug's, John A., Sons Company. (See Sunderland, Charles C., assignor.)
- Roebliug's, John A., Sons Company. (See Swartz, Ulysses S. G., assignor.)
- Roedels, George D., Greenwich, Conn. Admission ticket checking system. 1,964,215; June 26.
- Roeder, Clarence E., Melrose, and O. E. Swanson, Brockton, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing shoes and welting for use therein. 1,952,631; Mar. 27.
- Roeder, Clyde A., Omaha, Nebr. Transmission gearing. 1,979,080; Oct. 30.
- Roehling, Edwin A., et al. (See Clark, Malcolm S., assignor.)
- Roehm, Charles. (See Walker, E. R., and Roehm.)
- Roehm, Erwin G. (See Romaine, M., and Roehm.)
- Roehm, John G., Oneida, assignor, by mesne assignments, to Smith Hood & Seal Corporation, Syracuse, N. Y. Wire spool holder. 1,949,378; Feb. 27.
- Roehr, Alexander H. (See Israel, Harry, and Roehr.)
- Roehrlich, Carl, Berlin, assignor to the firm Silfsee Aktien-gesellschaft (Silfsee Limited), Vaduz, Liechtenstein, Germany. Production of sound images on films or plates by means of the chromate process. 1,971,276; Aug. 21.
- Roehrig, William A., Louisville, Ky. Toy boat or the like. 1,968,710; July 31.
- Roell, Ernst. (See Wulff, C., Rowell, and Krause.)
- Roelofs, Gerard, Arnhem, and J. Borggreve, Velp, Netherlands, assignors, by mesne assignments, to American Enka Corporation, Wilmington, Del. Thread reel. 1,953,836; May 15.
- Roemer, Ralph R., Cleveland, Ohio. Sawing machine. 1,956,835; May 1.
- Roemer, William C. (See Burton, F. F., and Roemer.)
- Roepeke, William J., Los Angeles, Calif. Combination road lighting and reflecting safety device for motor vehicles. 1,944,576; Jan. 23.
- Roesch, Arthur A., assignor to Roesch Enamel Range Company, Belleville, Ill. Air conditioning device. 1,945,379; Jan. 30.
- Roesch Enamel Range Company. (See Roesch, Arthur A., assignor.)
- Roesch, Frank P., Chicago, Ill., assignor to Standard Stoker Company, Incorporated. Stoker. 1,983,998; Dec. 11.
- Roesen, Oscar C., Brooklyn, N. Y., and I. Tornberg, Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y. Production controller. 1,957,109; May 1.
- Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Color printing press. 1,972,494; Sept. 4.
- Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper roll stand. 1,980,879; Nov. 13.
- Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Matrix roaster. 1,982,756; Dec. 4.
- Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing plate clamp operating means. 1,982,757; Dec. 4.
- Roesser, Friedrich, Hennigsdorf, Germany, assignor to General Electric Company. Material handling truck. 1,978,170; Oct. 23.
- Roesser, Gerhard. (See von Girssewald, C. B., Weidmann, and Roesser.)
- Roessner, Siegmund, Oak Park, Ill. Printing plate holder. 1,955,933; Apr. 24.
- Roessler, Edward W., Schenectady, N. Y., assignor to General Electric Company. Cabinet for an air conditioning unit or similar article. Des. 92,979; Aug. 7.
- Roessler, Georg, Ludwigshafen-on-the-Rhine, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Production of colored photographic pictures. 1,945,658; Feb. 6.
- Roethel, John H., Detroit, Mich. Window regulator. Re19,365; Nov. 6.
- Roethel, John H., Detroit, Mich. Window control mechanism. 1,974,196; Sept. 18.
- Roethel, John H., Detroit, Mich. Window frame for convertible bodies. 1,974,894; Sept. 25.
- Roethel, John H., Detroit, Mich. Window regulator. 1,980,501; Nov. 13.
- Roettger, Philip H. (See Brokaw, E. A., Noelting, and Roettger.)
- Roffey, Frederick W., Montreal, assignor to Melchers Distilleries, Limited, Berthierville, Quebec, Canada. Bottle. Des. 92,493; June 12.
- Rogan, John J., Elmhurst, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Tuning radio sets. 1,949,628; Mar. 6.
- Roganson, David E., Short Beach, Conn. Extracting device. 1,949,185; Feb. 27.
- Rogers Brothers Corporation. (See Rogers, Francis I., assignor.)
- Rogers, Charles J., assignor to Crown Stove Works, Cicero, Ill. Stove. Des. 93,182; Aug. 28.
- Rogers, Charles J., assignor to Crown Stove Works, Cicero, Ill. Cabinet stove. 1,963,281; June 19.
- Rogers, Clarence F. (See Allen, T. W., and Rogers.)
- Rogers, Clifford R. (See Baker, D. B., Rogers, and Panzgrau.)
- Rogers, Clifford R., Oak Park, Ill., assignor to International Harvester Company. Track tractor shoe. 1,964,533; June 26.
- Rogers, Donald A., Petersburg, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Purification of gases. 1,968,655; July 31.
- Rogers, Donald G. (See Crowell, J. H., Ogilvie, and Rogers.)
- Rogers, Donald G., Hamburg, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Sulphonating anthraquinone and its derivatives. 1,963,383; June 19.
- Rogers, Donald G., Hamburg, and J. Ogilvie, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Producing alpha-arylamino-anthraquinones. 1,966,646; July 17.
- Rogers, Edmund. (See Werder, John F., assignor.)
- Rogers, Foreman A., Auburn, Ala. Detachable shoe sole. 1,952,608; Mar. 27.
- Rogers, Francis I., assignor to Rogers Brothers Corporation, Albion, Pa. Fifth wheel. 1,947,987; Feb. 13.
- Rogers, Francis M. (See French, A., and Rogers.)
- Rogers, Frank D., Horsham, Pa., assignor to Keystone Aircraft Corporation. Welding tool. 1,980,228; Nov. 13.
- Rogers, Gerald S., Pittsburgh, Pa. Lubricating fitting. 1,957,731; May 8.
- Rogers, Gerald S., Etna, and W. H. Johnson, Greensburg, assignors to Universal Lubricating Systems, Inc., Etna, Pa. Hand operated metered fluid pump. 1,956,178; Apr. 24.
- Rogers, Harry A., and C. Young, Gloversville, N. Y. Decorative grave closure. 1,950,269; Mar. 6.
- Rogers, Jabin V., Wenatchee, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for treating fruits and vegetables. 1,983,403; Dec. 4.
- Rogers, James N., Spokane, Wash. Traffic signal. 1,948,633; Feb. 27.
- Rogers, John C., assignor to Crown Stove Works, Cicero, Ill. Door mounting. 1,979,210; Oct. 30.
- Rogers, John L., et al. (See Bradburn, Curtis E., assignor.)
- Rogers, Joseph N. O., and T. Charlton, Silksworth, near Sunderland, England. Endless belt conveyer. 1,977,147; Oct. 16.
- Rogers, Lunt & Bowlen Co. (See Koonz, Frederick W., assignor.)
- Rogers, Myron C., Morrison, Ill. Dishwashing machine. 1,942,452; Jan. 9.
- Rogers Products Company. (See Albertine, Herman, assignor.)
- Rogers Radio Tubes, Limited. (See Parker, Henry W., assignor.)
- Rogers, Ralph L., Knoxville, Tenn., assignor to The General Automatic Merchandising Corporation. Beverage vending machine. 1,944,809; Jan. 23.
- Rogers, Ralph L., Knoxville, Tenn., assignor to The General Automatic Merchandising Corporation. Sanitary attachment for beverage vending machines. 1,944,810; Jan. 23.
- Rogers, Ralph L., jr., assignor to The General Automatic Merchandising Corporation, Knoxville, Tenn. Beverage dispensing machine. 1,944,811; Jan. 23.
- Rogers, Reginald D. (See Andrews, C. W., and Rogers.)
- Rogers, Samuel C., & Company. (See Moul, Arthur F., assignor.)
- Rogers, Thomas H., and V. Voorhees, Hammond, assignors to Standard Oil Company, Whiting, Ind. Motor fuel product. 1,970,339; Aug. 14.
- Rogers, Thomas H., and V. Voorhees, Hammond, Ind., assignors to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel product. 1,982,267; Nov. 27.
- Rogers, Thomas H., and V. Voorhees, Whiting, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel product. 1,982,618; Nov. 27.
- Rogers, Walter A., assignor of sixty-five per cent to L. B. Clark, Houston, Tex. Method and apparatus for handling pipe in wells. 1,967,517; July 24.
- Rogerson, Joseph, assignor to Arderne, Scott, Thesen Limited, Woodstock, Cape Town, Union of South Africa. Process and apparatus for the manufacture of moldings and shaped sections from fiber boards, wood pulp boards, crushed cane boards, beaver boards, and the like. 1,979,905; Nov. 6.

- Rogge, Bernard, Baltimore, Md., assignor to Angelo Lizola, New York, N. Y. Flower box. 1,959,800; May 22.
- Roggenbauer, Alexander J., Milwaukee, Wis. Vehicle heater. 1,966,522; July 17.
- Roggensack, Lutie A., Moorhead, Minn. Overcoming side draft. 1,946,501; Feb. 13.
- Roggensack, Lutie A., Moorhead, Minn. Overcoming side draft. 1,947,492; Feb. 20.
- Rogliano, Pasquale, Philadelphia, Pa. Ventilating system. 1,965,158; July 3.
- Rognerud, Truls, Hunsdalen Pr. Hen St., Norway. Preparing, sowing, and planting in forest and field ground. 1,956,697; May 1.
- Rogowski, Walter, Aachen, Germany. Cathode ray oscillograph. 1,959,500; May 22.
- Rogowski, Walter, and E. Flegler, Aachen, Germany. Cathode ray oscillograph. 1,942,572; Jan. 9.
- Rogozynski John. (See Szafranski, F. L., and Rogozynski.)
- Roh, Nikolaus. (See Winter, C., and Roh.)
- Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug and making the same. 1,968,314; July 31.
- Rohl, Fritz F. (See Hofmann, F. C., and Rohl.)
- Rohleder, Augustus H. (See Back, Samuel G., assignor.)
- Rohlfing, Andrew A., Bound Brook, assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary napkin. 1,980,958; Nov. 13.
- Rohlin, Victor A. (See Fowler, J. B., Gibson, and Rohlin.)
- Rohlin, Victor A. (See Gibson, G. H., and Rohlin.)
- Rohlin, Victor A., assignor to Cochrane Corporation, Philadelphia, Pa. Liquid treating apparatus. 1,969,278; Aug. 7.
- Rohm & Haas Aktiengesellschaft. (See Röhm, O., and Bauer, assignors.)
- Rohm & Haas Company. (See Bauer, W., and Lauth, assignors.)
- Röhm & Haas Company. (See Blackadder, Thomas, assignor.)
- Röhm & Haas Company. (See Helwig, E. L., and Weideman, assignors.)
- Rohm & Haas Company, Inc. (See Kohn, S., and Schub, assignors.)
- Rohm & Haas Company. (See Mayers, Henry H., assignor.)
- Röhm & Haas Company. (See Powers, Donald H., assignor.)
- Rohm & Haas Company. (See Somerville, I. C., and Raterink, assignors.)
- Röhm & Haas Company. (See Turley, H. G., and Windus, assignors.)
- Röhm, Otto, Darmstadt, Germany. Treatment of skins and hides. 1,977,973; Oct. 23.
- Röhm, Otto, and W. Bauer, assignors to Rohm & Haas Aktiengesellschaft, Darmstadt, Germany. Insulated electrical conductor. 1,982,831; Dec. 4.
- Rohman, Harry D., Kew Gardens, and G. B. Ashworth, Amsterdam, assignors to American Locomotive Company, New York, N. Y. Sliding window. 1,962,328; June 12.
- Rohn, Chester F., Whitefish Bay, and F. A. Rohn, Milwaukee, Wis. Shoe. 1,942,001; Jan. 2.
- Rohn, Chester F., Whitefish Bay, and F. A. Rohn, Milwaukee, Wis. Shoe. 1,973,105; Sept. 11.
- Rohn, Franklin A. (See Rohn, Chester F., and F. A.)
- Rohn, Olga von T., Chicago, Ill. Making fuel briquettes. 1,966,593; July 17.
- Rohn, Wilhelm, Hanau-on-the-Main, Germany. Alloy for surgical needles. 1,942,150; Jan. 2.
- Rohn, Wilhelm, Hanau-on-the-Main, Germany. Hot rolling steel strip. 1,946,240; Feb. 6.
- Rohn, Wilhelm, Hanau-on-the-Main, Germany. Turbine blade. 1,948,448; Feb. 20.
- Rohn, Wilhelm, Hanau-on-the-Main, Germany. Rolling mill. 1,964,893; July 3.
- Rohn, Wilhelm, Hanau-on-the-Main, Germany. Wire drawing machine. 1,976,247; Oct. 9.
- Rohn, Wilhelm, Hanau-on-the-Main, Germany. Induction furnace. 1,983,242; Dec. 4.
- Rohne, Robert E., assignor to Expando Company, Chicago, Ill. Vehicle. 1,964,894; July 3.
- Rohnfeld, Johannes, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Fading elimination. 1,964,593; June 26.
- Rohnfeld, Johannes, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation. 1,978,693; Oct. 30.
- Rohr, Mamie E. (See Thornhill, B. R., and Rohr.)
- Rohrdanz, Harold F., Inglewood, Calif. Film splicer. 1,981,332; Nov. 20.
- Rohrdanz, Harold H., Inglewood, Calif. Film splicer. 1,972,336; Sept. 4.
- Röhrs, John E., Schenefeld, Bezirk, Hamburg, Germany. Button. 1,970,901; Aug. 21.
- Rohs, Adolf, Thinnfeld, Kladno, Czechoslovakia, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Manufacture of stranded electric multicore cables. 1,981,390; Nov. 20.
- Rohs, Adolf, Kladno, Czechoslovakia, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Electric cable. 1,955,024; Apr. 17.
- Rohs, Adolf, Thinnfeld, Kladno, Czechoslovakia, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne, Mulheim, Germany. Rolling of stranded electrical conductors. 1,979,013; Oct. 30.
- Rohyans, Camillus M., Indianapolis, Ind., and C. G. Brown, Williamsport, Pa. Washing station. 1,975,479; Oct. 2.
- Roirant, Emile, assignor to Société Anonyme d'Etudes et de Constructions d'Appareils Mécaniques pour la Verrierie, Paris, France. Apparatus for blowing bottles and other similar hollow bodies made of glass. 1,946,411; Feb. 6.
- Rojahn, Frederick C., New York, N. Y. Baseball game device. 1,960,829; May 29.
- Röka, Koloman, Constance, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of acetone. 1,944,109; Jan. 16.
- Rokosz, Stanley, Hazleton, Pa. Piston and power shaft connecting gearing. 1,960,167; May 22.
- Rola Company, The. (See Engholm, Bernard A., assignor.)
- Rola Company, The. (See Engholm, B. A., and Swent, assignors.)
- Rola Company, The. (See Tenny, Henry S., assignor.)
- Rolaff, Walter G. E. (See Baars, E. S. H., and Rolaff.)
- Rolaff, Walter G. E., Kirkwood, Mo. Multistage rotary compressor. 1,983,997; Dec. 11.
- Roland, John, Indianapolis, Ind., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Regulator for refrigerative systems. 1,961,597; June 5.
- Roland, John, assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Hydraulic power transmission. 1,975,293; Oct. 2.
- Rolfs, Eugene L., Dallas, and C. W. Fuller, Houston, Tex., assignors to Johns-Manville Corporation, New York, N. Y. Power driven pipe wrapping and coating machine. 1,973,505; Sept. 11.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container. 1,947,140; Feb. 13.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Cover attaching clip for containers. 1,954,491; Apr. 10.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet metal shipping drum. 1,969,524; Aug. 7.
- Rolle, John B., assignor to Garoni Products Company, Chicago, Ill. Preparing food flavors, extracts, and juices. 1,956,362; Apr. 24.
- Rolle, John B., Chicago, Ill. Producing vegetable extract and juice and product thereof. 1,978,171; Oct. 23.
- Roller, Gustave, New York, N. Y. Shaving cabinet. 1,978,819; Oct. 30.
- Roller, Louis H., White Plains, N. Y. Electromagnetic pump. 1,954,831; Apr. 17.
- Roller, Robert, Haddonfield, N. J. Cordless electric iron. 1,966,263; July 10.
- Roller-Smith Company. (See Sanborn, John R., assignor.)
- Roller-Smith Company. (See Wood, Joseph D., assignor.)
- Rollston, Lancelot O. (See Campbell, J., and Rollston.)
- Rolling Process, Inc. (See Clapp, L. R., and Farmer, assignors.)
- Rollings, Arch D., assignor to L. Ederer, Chicago, Ill. Dispatcher. 1,976,248; Oct. 9.
- Rollins, Arch D., assignor to L. Ederer, Chicago, Ill. Annunciator. 1,973,727; Sept. 18.
- Rollman, Michael A., Mount Joy, Pa. Rumbling barrel. 1,969,327; Aug. 7.
- Rollman, Michael A., Mount Joy, Pa. Electric plug. 1,982,758; Dec. 4.
- Rollmann, Hans, Cologne-Marienburg, Germany. Boot and shoe. 1,955,720; Apr. 17.
- Rolls Razor Limited. (See Pearson, Harold B., assignor.)
- Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Ultra-violet light luminaire. 1,945,567; Feb. 6.
- Rolph, William M., Piccadilly, London, England. Mixing device. 1,948,431; Feb. 20.
- Rolscreen Company. (See Dixon, Harry, assignor.)
- Rolscreen Company. (See Kuyper, Peter H., assignor.)
- Rolstone, Alfred S. G. (See Fanghanel, W. P. F., and Rolstone.)
- Rom, Palmer W., Racine, assignor of forty-nine per cent to H. W. Burmeister, Milwaukee, Wis. Flasher switch. 1,949,489; Mar. 6.
- Romac Motor Accessories Limited. (See Baggs, Charles B., assignor.)
- Romaine, Millard, assignor to The Cincinnati Milling Machine Company Cincinnati, Ohio. Milling machine. 1,978,373; Oct. 23.
- Romaine, Millard, and W. D. Archea, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,965,259; July 3.
- Romaine, Millard, Cincinnati, and E. G. Roehm, Norwood, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,972,818; Sept. 4.
- Romaine, Millard, and W. D. Archea, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,978,374; Oct. 23.
- Roman, Joseph. (See Roman, Max and J.)
- Roman, Max and J., Brooklyn, assignors of one-third to I. Solomon, New York, N. Y. Combination clothes hanger and camphor holder. 1,981,072; Nov. 20.
- Romane, Georges, St. Mande, France, assignor to Johs. Girmes & Co., Oedt, Rhineland, Germany. Making imitation astrachan fur. 1,950,416; Mar. 13.

- Romanelli, Emilio, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Automatic temperature control device. 1,942,002; Jan. 2.
- Romano, Eugene J., Seattle, Wash. Salvage buoy. 1,975,333; Oct. 2.
- Romanoff, Hippolyte W., assignor to Aerolite Company Inc., New York, N. Y. Building material. 1,955,833; Apr. 24.
- Romberg, Raymond A., Hamden, Conn. Lamp. 1,953,504; Apr. 3.
- Rome Company. (See Pittoni, Louis E., assignor.)
- Rome Company, Inc., The. (See Smith, Arthur M., assignor.)
- Rome Company, The. (See Geddes, N. B., and Waite, assignors.)
- Rome Company, The. (See Thomas, Joseph R., assignor.)
- Rome Specialty Co. (See Butts, John H., assignor.)
- Romec Pump Company. (See Beidler, Elliott W., assignor.)
- Romeis, Arthur J., and J. O. Gangstad, Chippewa Falls, Wis. Locked nut. 1,948,830; Feb. 27.
- Romero, Andrés E., Mexico, Mexico. System for the construction of walls. 1,965,319; July 3.
- Romeyn, Jean, Brussels, Belgium. Starting and reversing mechanism for internal combustion engines. 1,967,538; July 24.
- Romie, Karl T. (See Thurman, G. S., and Romie.)
- Romieux, Charles J. (See Christmann, L. J., and Romieux.)
- Romieux, Charles J., and K. D. Ashley, Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Di-thiophosphate compounds. 1,949,629; Mar. 6.
- Romort Manufacturing Company. (See Ewald, Arno A., assignor.)
- Romph, Paul H., assignor to Packard Motor Car Company, Detroit, Mich. Core-forming mechanism. 1,950,632; Mar. 13.
- Rompler, Julius, Aktiengesellschaft. (See Grunzig, W., and Baumgärtel, assignors.)
- Ronan, Francis J. (See Wheeler, W. H., jr., Ogden, and Ronan.)
- Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,966,523; July 17.
- Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Machine for working glass. 1,969,525; Aug. 7.
- Ronci, Victor L., Brooklyn, N. Y., and H. W. Ericsson, Linden, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,961,393; June 5.
- Ronci, Victor L., Brooklyn, and J. E. Clark, Astoria, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,976,521; Oct. 9.
- Ronci, Victor L., Brooklyn, N. Y., and H. W. Ericsson, Linden, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,972,276; Sept. 4.
- Ronci, Victor L., Brooklyn, N. Y., and J. E. Clark, Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,984,992; Dec. 18.
- Ronci, Victor L., and J. P. Laico, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,984,993; Dec. 18.
- Ronci, Victor L., Brooklyn, J. E. Clark, Astoria, and D. A. Hale, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fluid circulation system. 1,984,548; Dec. 18.
- Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,981,668; Nov. 20.
- Ronci, Victor L., Brooklyn, N. Y., and C. Depew, Oakland, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 1,981,669; Nov. 20.
- Rondot, Léon A. B., Jeanne-Rose, Montchanin, France. Remote transmission and control device. 1,941,955; Jan. 2.
- Ronk, George T., assignor to Speeder Machinery Corporation, Cedar Rapids, Iowa. Supplemental tread belt mechanism for tractors. 1,952,894; Mar. 27.
- Ronke, Julian. (See Uhlmann, A., Seidel, and Ronke.)
- Ronneberg, Olaf R., Minneapolis, Minn. Inner tube for automobile tires. 1,952,221; Mar. 27.
- Ronning, Adolph, Minneapolis, Minn. Power driven mowing machine. 1,957,079; May 1.
- Ronning, Henry O. (See Cullen, H. E., and Ronning.)
- Ronning, Martin, Minneapolis, assignor to Minneapolis-Moline Power Implement Company, Hopkins, Minn. Combine. 1,959,689; May 22.
- Ronzi, Carl, Zurich, Switzerland. Hair waving appliance. 1,981,373; Nov. 20.
- Ronzoni, Angelo, New York, N. Y. Macaroni. Des. 93,850; Nov. 13.
- Ronzoni, Angelo, New York, assignor to Ronzoni Macaroni Company, Incorporated, Long Island City, N. Y. Die for forming spiral macaroni. 1,946,238; Feb. 6.
- Ronzoni Macaroni Company. (See Ronzoni, Angelo, assignor.)
- Rood, Arnold C., Boston, Mass., assignor to Una Welding & Bonding Company, Cleveland, Ohio. Welding electrode. 1,942,364; Jan. 2.
- Rood, Warren B., Detroit, Mich., assignor to Herron-Zimmers Moulding Company. Tire band. 1,979,575; Nov. 6.
- Rooper, William A., Jacksonville, Fla. Treating tobacco. 1,961,866; June 5.
- Roon, Leo, Great Neck, assignor to Roxalin Flexible Lacquer Company, Incorporated, Long Island City, N. Y. Lacquer and making the same. 1,942,902; Jan. 9.
- Rooney, James H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of compound materials. 1,981,152; Nov. 20.
- Rooney, John J., Roxbury, assignor to Travelite Rubber Co., Inc., Boston, Mass. Shoe heel or similar article. Des. 92,771; July 10.
- Roos, Carlisle K., Wheaton, assignor to United States Gypsum Company, Chicago, Ill. Wall structure. 1,967,905; July 24.
- Roos, Carlisle K., Wheaton, assignor to United States Gypsum Company, Chicago, Ill. Thermal testing device. 1,975,052; Sept. 25.
- Roos, David G., Nyack, N. Y. Rumble seat top. 1,955,934; Apr. 24.
- Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Vehicle spring suspension. 1,946,948; Feb. 13.
- Roos, Delmar G., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Clutch for free wheel transmission. 1,952,461; Mar. 27.
- Roos, Delmar G., assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Free wheeling device. 1,967,539; July 24.
- Roos, Delmar G., and H. E. Churchill, assignors, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Transmission. 1,960,512; May 29.
- Roos, Edward, River Forest, Ill. Collapsible table. 1,979,843; Nov. 6.
- Roos, Hans, Leverkusen, and E. Schwamberger, Mainkur, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Removal of phenols from hydrocarbons containing the same. 1,955,023; Apr. 17.
- Roos, Henry W., Cincinnati, Ohio. Apparatus for forming concrete floors. 1,947,360; Feb. 13.
- Roos, Hermann. (See Punga, F., and Roos.)
- Rosenstein, Hans O. (See Rothe, H., and Rosenstein.)
- Rosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation circuit for electric waves. 1,955,093; Apr. 17.
- Rosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio transmitting circuit. 1,969,328; Aug. 7.
- Rosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio frequency wave reception. 1,969,329; Aug. 7.
- Rosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radioreceiver. 1,973,478; Oct. 30.
- Rosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency stabilization. 1,978,818; Oct. 30.
- Rosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Combined long and short wave receiver. 1,981,374; Nov. 20.
- Root, A. I., Company, The. (See Calvert, John T., assignor.)
- Root, A. I., Company, The. (See Root, Alan I., assignor.)
- Root, Alan I., assignor to The A. I. Root Company, Medina, Ohio. Beehive frame spacer. 1,943,773; Jan. 16.
- Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Feed table for sheet feeding mechanism. 1,969,946; Aug. 14.
- Root, Frank B., East Orange, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Wrinkle finish for flexible articles. 1,950,417; Mar. 13.
- Root, Frank B., East Orange, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Wrinkle resin finish. 1,976,191; Oct. 9.
- Root, Lynott B., Jamaica, assignor of one fourth to E. L. Corbett and one fourth to J. C. McDonald, New York, N. Y. Electrical heating system. 1,962,842; June 12.
- Root Manufacturing Company, The. (See Root, Ralph R., assignor.)
- Root, Ralph R., Lakewood, assignor to The Root Manufacturing Company, Cleveland, Ohio. Dusting machine. 1,964,176; June 26.
- Rope, Melvin J., Clarinda, Iowa. Reversible rumble seat construction. 1,962,528; June 12.
- Roper, Geo. D., Corporation. (See Bottle, H. L., and Brandt, assignors.)
- Roper, Geo. D., Corporation. (See Coplovich, Jacob, assignor.)
- Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
- Roper, Geo. D., Corporation. (See Kasch, Charles H., assignor.)
- Roper, John M., Washington, D. C. Single contact electric socket. 1,978,115; Oct. 23.
- Roper, John M., Washington, D. C. Double contact electric socket. 1,978,116; Oct. 23.
- Roper, John M., Washington, D. C. Single and double contact electric socket. 1,978,117; Oct. 23.
- Roper & Wrecks Limited. (See Stanley, George E., assignor.)
- Rorabeck, Claude, Chicago Heights, Ill. Chain and sprocket. 1,963,249; June 19.

- Rosa, Leonard J., Detroit, and C. S. Ash, Birmingham, assignors to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Hub shell construction for vehicle wheels. 1,971,877; Aug. 28.
- Rosberger, Max. (See Rosberger, Sam and M.)
- Rosberger, Sam and M., Newark, N. J. Tuft. 1,951,843; Mar. 20.
- Rosch, Arthur, Brieselang-Sud, Germany, assignor to General Electric Company. Power plant. 1,969,526; Aug. 7.
- Roscher, Ernst K., Hamburg-Wandsbek, and W. Kahmann, Wismar; said Roscher assignor to A. Bernstein, Esq., Hamburg, Germany. Railway car for transporting passenger carrying automobiles and similar vehicles or articles. 1,965,525; July 3.
- Roscove, Edwin S., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Paper file or the like. Des. 92,372; May 29.
- Roscove, Joseph. (See Goldoft, B. M., and Roscove.)
- Rose, Alex, Cleveland, Ohio. Doorcheck. 1,984,842; Dec. 18.
- Rose, Alfred G., Lincoln, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Machine or apparatus for cutting plastic toffee or like material. 1,944,577; Jan. 23.
- Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for severing wrappers from webs and feeding said wrappers to package-making machines. 1,951,844; Mar. 20.
- Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for securing folded portions of packages. 1,969,581; Aug. 7.
- Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Package. 1,981,073; Nov. 20.
- Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Mechanism for twisting the ends of wrappers. 1,984,894; Dec. 18.
- Rose, Alfred German, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Conveying mechanism. 1,974,931; Sept. 25.
- Rose, Anthony A., Oakland, assignor to M. J. F. Hamilton, Los Angeles, Calif. Display case and mounting therefor. 1,948,049; Feb. 20.
- Rose, Bennie A. (See Laffoon, C. M., and Rose.)
- Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
- Rose, Carlton R., Berkeley, Calif. Weed destroying composition. 1,967,628; July 24.
- Rose, Catherine E., Hot Springs National Park, Ark. Dental foss holder. 1,966,463; July 17.
- Rose, Charles A., Detroit, Mich. Valve. 1,956,775; May 1.
- Rose, Charles E., Denver, Colo. Headlight reflector. 1,948,680; Feb. 27.
- Rose, Charles S., Baltimore, Md., and J. J. Miller, assignors to Better Rides, Incorporated, Milwaukee, Wis. Amusement device. 1,952,822; Mar. 27.
- Rose, Chester M., Columbus, Ohio. Seal or similar article. Des. 92,494; June 12.
- Rose, Clarence C., and J. Altmayer, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery charge control system. 1,983,243; Dec. 4.
- Rose, Clarence W. and W. E., Denver, Colo. Anti-slipping shoe for ladders. 1,973,226; Sept. 11.
- Rose, Edgar J., Los Angeles, Calif. Electrode means for therapeutic purposes. 1,975,518; Oct. 2.
- Rose, Edward, Greenwich, assignor to Philip Milton Martin, Stamford, Conn. Trimming shears. 1,980,092; Nov. 6.
- Rose-Engle Company. (See Rose, T. R., and Engle, assignors.)
- Rose, George M., Jr., Orange, N. J., assignor to Radio Corporation of America. Making grid electrodes. 1,976,522; Oct. 9.
- Rose, George W., Oak Park, and J. L. O'Brien, Elmwood Park, Ill. Clamp. 1,948,134; Feb. 20.
- Rose, Harry, Minneapolis, Minn., and E. M. Soreng, Chicago, Ill.; said Rose assignor to Tropic-Aire, Inc., Minneapolis, Minn., and said Soreng assignor to Soreng-Manegold Company, Chicago, Ill. 1,960,223; May 22.
- Rose, Herbert A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current translating system. 1,976,580; Oct. 9.
- Rose, Herbert A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. McLeod gauge. 1,984,994; Dec. 18.
- Rose, Herbert A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical distribution system. 1,976,581; Oct. 9.
- Rose, John, Stockbridge, Mass. Magazine shaving brush. 1,948,398; Feb. 20.
- Rose, John E. (See Failla, G., and Rose.)
- Rose Label Machine Company. (See Rosenthal, Arthur, assignor.)
- Rose, Luther S., Langley Field, Va. Training and testing device for aviators. 1,968,057; July 31.
- Rose Patch & Label Company, The. (See Rosenthal, Arthur, assignor.)
- Rose, Raymond H., Wolverhampton, England. Transmission mechanism. 1,953,568; Apr. 3.
- Rose, Reed P., Jackson Heights, and A. F. Owen, Saratoga Springs, assignors to General Rubber Company, New York, N. Y. Treatment of fibrous material. 1,982,024; Nov. 27.
- Rose, Robert N., and H. G. Stein, Queens Village, N. Y. Windshield wiper. 1,953,635; Apr. 3.
- Rose, Salvatore D., Seattle, Wash. Attachment for radiator valves. 1,977,835; Oct. 23.
- Rose, Thomas R., and H. L. Engle, Calexico, Calif., assignors to Rose Engle Company. Coating of machine elements. 1,947,493; Feb. 20.
- Rose, Walter E. (See Rose, Clarence W. and W. E.)
- Rose, William, assignor to Mathias Klein & Sons, Chicago, Ill. Conduit wrench. 1,972,239; Sept. 4.
- Rose, William H., Jersey City, N. J. Container closure. 1,970,709; Aug. 21.
- Rose, William K., New York, N. Y. Airplane. 1,962,411; June 12.
- Rosebraugh, Wilson. (See Tuck, D. H., and Rosebraugh.)
- Rosebraugh, Wilson, and H. J. Tait, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Lighting unit. 1,952,335; Mar. 27.
- Rosebrook, Guy L., Cranberry Lake, N. J., assignor to Standard Oil Development Company. Service station. Des. 91,332; Jan. 9.
- Rosebrook, Guy L., Cranberry Lake, N. J., assignor to Standard Oil Development Company. Service station. Des. 91,333; Jan. 9.
- Roseby, Philip N., assignor to Automatic Electric Company Limited, Liverpool England. Magnet core. 1,954,102; Apr. 10.
- Roseby, Philip N., assignor to Automatic Electric Company Limited, Liverpool, England. Magnet core. 1,981,468; Nov. 20.
- Rosecrans, Crandall Z., assignor to Leeds & Northrup Company, Philadelphia, Pa. Fluid analyzing method and apparatus. 1,957,808; May 8.
- Rosell, John, et al. (See Miquelon, Edward Z., assignor.)
- Rosellini, Caesar, Chicago, Ill. Cooker. 1,941,580; Jan. 2.
- Roselund, Harold A., assignor to The De Vilbiss Company, Toledo, Ohio. Fluid ejecting nozzle. 1,953,990; Apr. 10.
- Roselund, Harold A., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 1,962,911; June 12.
- Roseman, Leo, Newark, N. J. Sewing machine for stitching over fastener means. 1,942,903; Jan. 9.
- Roseman, Leo, Newark, N. J. Holder for fastener elements and the like. 1,957,670; May 8.
- Roseman, Leo, Newark, N. J. Machine for sewing fastener tape and the like. 1,985,743; Dec. 25.
- Rosen, Alex, New York, N. Y. Article of apparel. 1,964,961; July 3.
- Rosen, Carl G. A., Oakland, assignor to Caterpillar Tractor Co., San Leandro, Calif. Gasket. 1,982,759; Dec. 4.
- Rosen, Colman L., Santa Clara, Calif. Vehicle direction indicator. 1,954,492; Apr. 10.
- Rosen, Gotthard, Paris, France. Treating paper pulp. 1,968,223; July 31.
- Rosen, Louis W., Brooklyn, N. Y. Safety razor. 1,962,912; June 12.
- Rosen, Morris E., New York, N. Y. Electrical appliance time control. 1,980,700; Nov. 13.
- Rosen, Nathan A., Brooklyn, N. Y. Insertable band for headwear. 1,957,356; May 1.
- Rosen, Raphael. (See Bird, J. C., and Rosen.)
- Rosen, Raphael, Cranford, and E. Lieber, Elizabeth, N. J., assignors to Standard Oil Development Company. Conversion of organic sulphur compounds with ferrous sulphide. 1,976,806; Oct. 16.
- Rosen, Samuel, Providence, R. I. Display holder for edibles. 1,966,734; July 17.
- Rosen, Shy, Flushing, N. Y. Wrapper. 1,983,813; Dec. 11.
- Rosenbaum, David, Detroit, Mich. Combination tent. 1,985,694; Dec. 25.
- Rosenbaum, Jacob P., Denver, Colo. Jug. Des. 93,634; Oct. 16.
- Rosenberg, David H., New York, N. Y. Bracket for curtain rods. 1,948,734; Feb. 27.
- Rosenberg, David H., and B. B. Lowry, Medford, Oreg. Fruit handling machine. 1,963,504; June 19.
- Rosenberg, Harry E., Jackson Heights, N. Y. Cover for handbags. 1,960,396; May 29.
- Rosenberg, Heyman, New York, N. Y. Anchorage device. 1,978,145; Oct. 23.
- Rosenberg, Heyman, New York, N. Y. Fastener. 1,978,329; Oct. 23.
- Rosenberg, Heyman, New York, N. Y. Anchorage device. 1,980,093; Nov. 6.
- Rosenberg, Ignaz, assignor to the firm Edeleanu Gesellschaft m. b. H., Berlin, Germany. Extracting lubricating oils. 1,958,369; May 8.
- Rosenberg, Ignaz, assignor to the firm Edeleanu Gesellschaft m. b. H., Berlin, Germany. Recovery SO₂ used in refining mineral oils. 1,979,232; Oct. 30.
- Rosenberg, Isidore B., Portchester, and I. Fleer, New York, N. Y. Pipe reamer and flaring tool. 1,950,154; Mar. 6.
- Rosenberg, Jacob, Brooklyn, N. Y. Collapsible box. 1,970,918; Aug. 21.
- Rosenberg, Jacob E., Pittsburgh, Pa., assignor to Enamelers Guild, Inc. Manufacture of enamel ware. 1,962,617; June 12.
- Rosenberg, John P., Chicago, Ill. Waxing device. 1,972,318; Sept. 4.
- Rosenberg, Louis, Brooklyn, N. Y. Receptacle. 1,982,696; Dec. 4.
- Rosenberg, Morris, Brooklyn, N. Y. Automobile wheel lifter. 1,965,260; July 3.
- Rosenberg, Ralph H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake drum swaging machine. 1,943,089; Jan. 9.

- Rosenberg, Ralph H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making an artillery steel wheel. 1,971,018; Aug. 21.
- Rosenberg, Ralph H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Clinching ferrules in hollow wheels. 1,985,695; Dec. 25.
- Rosenberg, Ralph H., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Shock-insulated wheel for railway vehicles. 1,958,642; May 15.
- Rosenberg, Ralph H., assignor to Budd Wheel Company, Philadelphia, Pa. Cutting a curvilinear article. 1,959,306; May 15.
- Rosenberger, George W., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Measuring instrument. 1,973,106; Sept. 11.
- Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Hydraulic core knockout and cleaning apparatus for castings and the like. 1,941,915; Jan. 2.
- Rosenblad, Curt, Stockholm, Sweden. Draining device. 1,977,921; Oct. 23.
- Rosenblad, Curt F. (See Linderoth, Erik T., assignor.)
- Rosenblad, Curt F., Sodertälje, Sweden. Condenser. 1,956,133; Apr. 24.
- Rosenblatt, Maurice C., Philadelphia, Pa. Acoustical treatment. 1,942,662; Jan. 9.
- Rosenblatt, Samuel, Medford, assignor to Surgical Dressings, Inc., Jamaica Plain, Mass. Detergent unit. 1,981,249; Nov. 20.
- Rosenblum, Charles, assignor to Krischer's Manufacturing Company, Brooklyn, N. Y. Buckle. 1,969,582; Aug. 7.
- Rosenblum, Israel, Jackson Heights, N. Y. Polyhydric alcohol-carboxylic organic acid-weak polybasic inorganic phenol-aldehyde condensation product. 1,969,761; Aug. 14.
- Rosenblum, Israel, Jackson Heights, N. Y. Coating composition and making the same. 1,972,905; Sept. 11.
- Rosenblum, Lily M., New York, N. Y. Bandage. 1,964,962; July 3.
- Rosendahl, Charles E., U. S. Navy, Washington, D. C. Mooring mast. 1,981,005; Nov. 20.
- Rösener, Heinrich, Duisburg-Meiderich, Germany. Hot-blast sluice valve. 1,951,677; Mar. 20.
- Rosener, Leland S. (See Boyle, W. J., jr., and Rosener.)
- Rosener, Leland S., assignor to Plant Rubber & Asbestos Works, San Francisco, Calif. Machine for making tubes. 1,944,465; Jan. 23.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Pipe wrapping machine. 1,969,947; Aug. 14.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Shear. 1,975,650; Oct. 2.
- Rosenfeld, Allie, Brooklyn, N. Y. Paper article. 1,955,563; Apr. 17.
- Rosenfeld, George B., New York, N. Y. Shoe or similar article. Des. 92,208; May 8.
- Rosenfeld, George B., New York, N. Y. Shoe or similar article. Des. 92,209; May 8.
- Rosenfeld, Millard. (See Crago, P. H., and Rosenfeld.)
- Rosenfeld, Myer, Baltimore, Md. Automatic stropping means for vehicles. 1,983,882; Dec. 11.
- Rosenfeld, Edward M., New York, N. Y., assignor to Standard Electric Equipment Corporation. Switch or junction box. 1,967,193; July 17.
- Rosenfeld, Edward M., New York, N. Y., assignor to Standard Electric Equipment Corporation. Electric switch or junction box. 1,980,831; Nov. 13.
- Rosenfeld, George, New York, N. Y. Shoe. Des. 93,635; Oct. 16.
- Rosenfeld, George B., New York, N. Y. Shoe. Des. 93,581; Oct. 9.
- Rosenfeld, Jacob L. (See Frederick, Joseph M., assignor.)
- Rosengarten, Mitchell G., Philadelphia, Pa. Golf practice device. 1,980,701; Nov. 13.
- Rosenkranz, Max, Bethel Township, Allegheny County, Pa., assignor to National Tube Company. Pipe testing machine. 1,973,674; Sept. 11.
- Rosenow, Edward C., Rochester, Minn. Valve structure. 1,956,836; May 1.
- Rosenow, Edward C., Rochester, Minn. Humidifier and sterilizer. 1,961,711; June 5.
- Rosenquist, Bror A. E., Duquesne, Pa. Cable guiding device. 1,973,446; Sept. 11.
- Rosenquist, Edward, Oakland, Calif. Combined straight edge and paper trimmer. 1,983,778; Dec. 11.
- Rosenqvist, Gunnar, Oakmont, Pa. Composite matrix for printing plates. 1,973,782; Sept. 18.
- Rosenstein, Ludwig. (See Hagens, J., Rosenstein, and Hirschkind.)
- Rosenstein, Ludwig. (See Kramer, G. A., and Rosenstein.)
- Rosenstein, Ludwig, San Francisco, Calif. Removing mercaptans from hydrocarbons. 1,943,744; Jan. 16.
- Rosenstein, Ludwig, San Francisco, Calif., assignor to United Verde Copper Company. Recovery of sulphur. 1,941,623; Jan. 2.
- Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Antiknock motor fuel. 1,948,449; Feb. 20.
- Rosenstein, Ludwig, San Francisco, Calif., assignor to United Verde Copper Company. Recovery of sulphur. 1,967,263; July 24.
- Rosenstein, Ludwig, San Francisco, Calif., assignor to United Verde Copper Company. Recovery of sulphur. 1,967,264; July 24.
- Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Refining mineral oils. 1,974,724; Sept. 25.
- Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Refining mineral oils. 1,974,725; Sept. 25.
- Rosenstein, Ludwig, and W. J. Hund, San Francisco, Calif. Refining of vegetable and animal oils. 1,963,505; June 19.
- Rosenstein, Ludwig, San Francisco, and G. A. Kramer, Oakland, assignors to Shell Development Company, San Francisco, Calif. Recovering the sulphur content of gases. 1,945,163; Jan. 30.
- Rosenstein, Ludwig, San Francisco, Calif., and L. Klein, Clarkdale, Ariz., assignors to United Verde Copper Company. Reducing sulphur dioxide. 1,967,265; July 24.
- Rosenstiel, Lewis S., assignor to Schenley Products Company, Inc., New York, N. Y. Bottle. Des. 91,843; Mar. 27.
- Rosenthal, Arthur, assignor to The Rose Patch & Label Company, Grand Rapids, Mich. Printing press. 1,960,513; May 29.
- Rosenthal, Arthur, assignor to Rose Label Machine Company, Grand Rapids, Mich. Workholder for sewing machines. 1,966,870; July 17.
- Rosenthal, Arthur, assignor to The Rose Patch & Label Company, Grand Rapids, Mich. Apparatus for cutting and folding labels. 1,984,657; Dec. 18.
- Rosenthal, August, assignor to Rosenthal Corn Husker Co., West Allis, Wis. Feeding device for corn husking machines. 1,959,064; May 15.
- Rosenthal, August and H. L., Wauwatosa, assignors to Rosenthal Manufacturing Co., West Allis, Wis. Draft hitch. 1,959,065; May 15.
- Rosenthal, August and H. L., Wauwatosa, assignors to Rosenthal Manufacturing Co., West Allis, Wis. Corn harvester. 1,984,895; Dec. 18.
- Rosenthal China Corporation, The. (See Hippmann, Karl, assignor.)
- Rosenthal China Corporation, The. (See Marwede, Richard L., assignor.)
- Rosenthal Corn Husker Co. (See Rosenthal, August.)
- Rosenthal, Dunbar A. (See Winter, C. P., and Rosenthal.)
- Rosenthal, Henry, New York, N. Y. Power transmission. 1,946,293; Feb. 6.
- Rosenthal, Henry, New York, N. Y. Power transmission. 1,946,294; Feb. 6.
- Rosenthal, Henry, New York, N. Y. Power transmission. 1,950,520; Mar. 13.
- Rosenthal, Henry L. (See Rosenthal, August and H. L.)
- Rosenthal Herman, New York, N. Y. Trouser supporting vest. 1,942,151; Jan. 2.
- Rosenthal, Joseph J. (See Lebel, Louis, assignor.)
- Rosenthal, Leo, Vohwinkel, near Elberfeld, and O. Leuchs, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Solvent for preparing cellulose ether lacquers. 1,982,760; Dec. 4.
- Rosenthal, Leon W., New York, N. Y. Electrical connector for toy electric railways. 1,983,776; Dec. 11.
- Rosenthal, Leon W., New York, N. Y. Rail connector for toy railways. 1,983,777; Dec. 11.
- Rosenthal Manufacturing Co. (See Rosenthal, August and H. L., assignors.)
- Rosenthal, Morris, New York, N. Y. Marble package. 1,983,499; Dec. 4.
- Rosenthal, Sidney, Cedarhurst, N. Y. Button. Des. 91,594; Feb. 20.
- Rosenthal, Sidney, Cedarhurst, assignor to B. Blumenthal & Co. Inc., New York, N. Y. Button. Des. 91,844; Mar. 27.
- Rosenthal, William, assignor to Maiden Form Brassiere Co. Inc., New York, N. Y. Brassière. 1,956,250; Apr. 24.
- Rosenthal, William, assignor to Maiden Form Brassiere Co. Inc., New York, N. Y. Brassière. 1,979,576; Nov. 6.
- Rosenzweig, David, Perth Amboy, N. J., assignor to R & K Leather Goods Co., Inc., New York, N. Y. Hand bag. 1,956,106; Apr. 24.
- Roser, Louis A. (See Shepherd, M. S., and Wiley, assignors.)
- Roseway, Walter N., Hendon, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Four-wire terminating set. 1,951,883; Mar. 20.
- Rosien, Victor E., New Haven, Conn., assignor to Winchester Repeating Arms Company. Shot-shell and shot-shell body paper. 1,959,109; May 15.
- Rosier, Charles, New York, N. Y. Process for making oil gas. 1,945,790; Feb. 6.
- Rosin, Edwin A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Machine for cutting sheets of glass and the like. 1,970,919; Aug. 21.
- Rosin, Joseph, Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Ether package and method of packaging ether. 1,946,502; Feb. 13.
- Rosinsky, Walter. (See Zorn, H., Mueller-Conradi, and Rosinsky.)
- Rosner, Adolph, assignor to Bendix Brake Company, South Bend, Ind. Manufacture of brake lining. 1,964,177; June 26.
- Rosner, Adolph, assignor to Bendix Brake Company, South Bend, Ind. Brake lining. 1,964,178; June 26.

- Rosner, Adolph, Rockton, assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine fuel supply means. 1,963,384; June 19.
- Rosner, Adolph, Rockton, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,978,723; Oct. 30.
- Rosner, Adolph, Rockton, Ill., assignor to Bendix Research Corporation, South Bend, Ind. Driving mechanism. 1,985,645; Dec. 25.
- Rosner, Max, Chicago, Ill. Bulletin board or similar article. Des. 93,289; Sept. 11.
- Ross, Arthur, Lynbrook, assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Nozzle. 1,955,977; Apr. 24.
- Ross, Arthur, Lynbrook, assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Ball bearing pulley. 1,975,296; Oct. 2.
- Ross, Carroll A., Piqua, Ohio. Heating a container electrically. 1,945,705; Feb. 6.
- Ross, Carroll A., Piqua, Ohio. Multiple electrode liquid heater. 1,985,623; Dec. 25.
- Ross, Charles, Sands, assignor of one-half to G. E. Kiski, Gwynn, Mich. Raker tooth gauge. 1,951,773; Mar. 20.
- Ross, Charles H. A. F. L., Washington, D. C. Actuating mechanism for profile grinders. 1,973,507; Sept. 11.
- Ross, Charles L., Washington, D. C. Profile grinder. 1,973,508; Sept. 11.
- Ross, David E., assignor to Rostone, Incorporated, La Fayette, Ind. Window sash. 1,942,125; Jan. 2.
- Ross, David E., assignor to Rostone Incorporated, La Fayette, Ind. Window construction. 1,948,678; Feb. 27.
- Ross, David E., assignor to Rostone, Incorporated, La Fayette, Ind. Weather stripping. 1,948,679; Feb. 27.
- Ross, David E., assignor to Purdue Research Foundation, La Fayette, Ind. Traffic lane marker. 1,952,942; Mar. 27.
- Ross, David E., assignor to Purdue Research Foundation, La Fayette, Ind. Reflector for traffic lane markers, etc. 1,952,943; Mar. 27.
- Ross, David E., assignor to Purdue Research Foundation, La Fayette, Ind. Edge road marker. 1,984,085; Dec. 11.
- Ross, David E., and F. P. Wymer, assignors to Rostone, Incorporated, La Fayette, Ind. Building construction. 1,954,891; Apr. 17.
- Ross, Dewey T., Dallas, Tex., assignor to Shell Petroleum Corporation. Pressure and temperature recording device for wells. 1,951,629; Mar. 20.
- Ross, Don H. and L. J. Nook, Kalamazoo, Mich. Polishing or buffing wheel. 1,954,263; Apr. 10.
- Ross, Donald W., and J. M. Lambie, Washington, Pa. Furnace wall. 1,970,944; Aug. 21.
- Ross, Edgar S., Philadelphia, Pa., assignor to The Philip Carey Manufacturing Company. Colored asbestos cement shingle. 1,970,197; Aug. 14.
- Ross, Edwin D., Grosse Pointe Park, Mich. Window construction. 1,948,596; Feb. 27.
- Ross, Elton F., Olympia, assignor to Ross Liquid Measure Manufacturing Company, Seattle, Wash. Beer dispensing device. 1,959,501; May 22.
- Ross, Floyd L. (See Battle, R., and Ross.)
- Ross, Francis C., Kingston-upon-Hull, England. Article of furniture. 1,951,314; Mar. 13.
- Ross, Frank J., Detroit, Mich. Tool and extractor. 1,969,426; Aug. 7.
- Ross, Frank J., Detroit, Mich. Striping device. 1,974,587; Sept. 25.
- Ross, Frederick N., Detroit, Mich. Air circulator. 1,958,768; May 15.
- Ross, Frederick N., Detroit, Mich. Ventilator construction. 1,971,920; Aug. 28.
- Ross, Frederick N., assignor, by mesne assignments, to Briggs Manufacturing Company, Detroit, Mich. Cotton breaker. 1,946,113; Feb. 6.
- Ross, Frederick N., and H. L. Johnson, assignors to Briggs Manufacturing Company, Detroit, Mich. Broken cotton bat detector. 1,948,634; Feb. 27.
- Ross, Frederick N., Grosse Pointe Park, and H. L. Johnson, assignors to Briggs Manufacturing Company, Detroit, Mich. Upholstery sewing machine. 1,952,387; Mar. 27.
- Ross, Frederick N., Grosse Pointe Park, and H. L. Johnson, assignors to Briggs Manufacturing Company, Detroit, Mich. Automatic stop mechanism for machines. 1,980,294; Nov. 13.
- Ross Gear & Tool Company. (See Chandler, Franklin F., assignor.)
- Ross, George A., Kansas City, Mo. Machine for mixing paving material. 1,966,647; July 17.
- Ross, Harold J. M. (See Jessop, G. A., and Ross.)
- Ross, Harry B., Denver, Colo. Separating and extracting apparatus. 1,972,495; Sept. 4.
- Ross Heater & Mfg. Co. (See Davis, Franklyn K., assignor.)
- Ross Heater & Mfg. Co. Inc. (See Graham, Harold M., assignor.)
- Ross, Hugh G. (See Marbury, R. E., and Ross.)
- Ross, J. O., Engineering Corporation. (See Byron, R., and Rappolt, assignors.)
- Ross, James C., Seattle, Wash. Self-closing all-metal faucet. 1,950,749; Mar. 13.
- Ross, James W., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass feeder. 1,982,761; Dec. 4.
- Ross, John D., Brewer, Maine, assignor, by mesne assignments, to Burnham Boiler Corporation, Irvington, N. Y. Thermally controlled switch and the like. 1,980,439; Nov. 13.
- Ross, Justin E., Kansas City, Mo. Cap for tire valve tubes. 1,944,951; Jan. 30.
- Ross, Laurie E., Portland, Oreg. Game device. Des. 92,628; June 26.
- Ross Liquid Measure Manufacturing Company. (See Ross, Elton F., assignor.)
- Ross, Maude A., Des Moines, Iowa. Feeding device for clothes wringers. 1,954,264; Apr. 10.
- Ross, Nathan, Los Angeles, Calif. Fabric cutting device. 1,949,490; Mar. 6.
- Ross, Oscar A., New York, N. Y. Motion picture reel. 1,942,186; Jan. 2.
- Ross, Oscar A., New York, N. Y. System for recording sound. 1,943,556; Jan. 16.
- Ross, Oscar A., New York, N. Y. Light directing apparatus. 1,960,514; May 29.
- Ross, Oscar A., New York, N. Y. Carburetion system. 1,961,249; June 5.
- Ross, Oscar A., New York, N. Y. Doorlock. 1,965,809; July 10.
- Ross, Oscar A., New York, N. Y. Sound motion picture projection apparatus. 1,985,552; Dec. 25.
- Ross, Oscar A., New York, N. Y., assignor to General Plate Company, Attleboro, Mass. Thermostatically controlled circuit controller. 1,952,895; Mar. 27.
- Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Alternating current relay. 1,969,096; Aug. 7.
- Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Magnetic car retarder and system of control therefor. 1,984,320; Dec. 11.
- Ross, Oscar E., Columbus, Ind. Cigarette holder. 1,974,658; Sept. 25.
- Ross, Ralph T., et al. (See Upmeyer, Henry W., assignor.)
- Ross, Robert, Brooklyn, N. Y. Blouse. Des. 92,269; May 15.
- Ross, Robert D., Norfolk, Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current controlling system. 1,966,222; July 10.
- Ross, Robert W., Mansfield, Pa. Apparatus for use in teaching piano playing. 1,969,185; Aug. 7.
- Ross, Roderic O., Dublin, Irish Free State. Folding chairs. 1,980,551; Nov. 13.
- Ross, Samuel E., Brea, assignor, by mesne assignments, to A. Barstow, Los Angeles, Calif. Well pumping apparatus. 1,981,288; Nov. 20.
- Ross, Taylor W., assignor to Thomas Graham & Co. Inc., Madison, Ind. Furniture construction. 1,946,917; Feb. 13.
- Ross, Thomas W., Sale, England, assignor to General Electric Company. Protective arrangement for electric circuits. 1,950,193; Mar. 6.
- Ross, Walter H., Ramsey, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Door strip and making. 1,948,942; Feb. 27.
- Ross, Warren A., assignor to D. M. Carter, Chicago, Ill. Drilling device. 1,978,436; Oct. 30.
- Ross, Will, Inc. (See Pain, Charles E., Jr., assignor.)
- Ross, William L. (See Groom, R. L., and Ross.)
- Rossa, Peter A., Williston Park, assignor of one-half to W. G. Bjorkstedt, Jamaica, Long Island, N. Y. Carboy container. 1,981,812; Nov. 20.
- Rossbach, Erwin. (See Mahler, E., and Rossbach.)
- Rossetti, Carlo. (See Askenasy, P., Rossetti, and Tausz.)
- Rossi, Domenico A., Springfield, Mass. Vehicle direction signal. 1,948,050; Feb. 20.
- Rossi, Pietro, Florence, Italy. Apparatus for filling jars and the like simultaneously. 1,956,655; May 1.
- Rossi, Pietro, Eastbourne, Sussex, England. Antidazzle device for use with head lamps. 1,975,174; Oct. 2.
- Rossiter, Edwin Ralph, Sydney, New South Wales, Australia. Bottle closure cap releasing means and caps associated therewith. 1,980,094; Nov. 6.
- Rossiter, John G., assignor to Reynolds Spring Company, Jackson, Mich. Combination ash tray, card holder, and scoring indicator or similar article. Des. 91,788; Mar. 20.
- Rossiter, William M., Albuquerque, N. Mex. Two-way envelope. 1,953,192; Apr. 3.
- Rossman, Allen M., Wilmette, assignor, by mesne assignments, to Rossman, Sargent & Lundy Patents Corporation, Chicago, Ill. Electric railway system. 1,947,494; Feb. 20.
- Rossman, Allen M., Chicago, Ill., assignor to Rossman Engineering Company, Mechanical movement. 1,970,251; Aug. 14.
- Rossman, Charles, Philadelphia, Pa. Pad for garment pressing devices. 1,975,407; Oct. 2.
- Rossman, Edwin F. (See Kindl, C. H., Rossman, and Bates.)
- Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Valve for shock absorbers. 1,948,008; Feb. 20.
- Rossman, Edwin F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. 1,979,491; Nov. 6.
- Rossman, Edwin F., and F. D. Funston, assignors to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,945,568; Feb. 6.

- Rossman Engineering Company. (See Rossman, Allen M., assignor.)
- Rossman, Jess, Kansas City, Mo. Drain strainer. 1,950,817; Mar. 13.
- Rossman, Sargent & Lundy Patents Corporation. (See Rossman, Allen M., assignor.)
- Rossmann, Rudolf, Solln, near Munich, Germany, assignor to TEFAG Textil Finanz A.-G., Zurich, Switzerland. Driving arrangement for shuttles, especially loop shuttles. 1,945,996; Feb. 6.
- Rossmann, Rudolf, Solln, near Munich, Germany, assignor to TEFAG Textil Finanz A.-G., Zurich, Switzerland. Device for controlling the warps for figuring fabrics. 1,945,997; Feb. 6.
- Rossmann, Rudolf, Munich, Germany, assignor to TEFAG Textil Finanz A.-G., Zurich, Switzerland. Weaving. 1,948,051; Feb. 20.
- Rossner, Ernst. (See Börner, K., Rossner, Mahn, and Irion.)
- Rossner, Ernst. (See Gajewski, F., Fink, Rossner, and Mahn.)
- Rost, Emil E., Cicero, Ill. Target game board. Des. 93,676; Oct. 23.
- Rostek, Vinzent R., Philadelphia, Pa. Cooling coil. 1,952,609; Mar. 27.
- Rostoker, Louis, Toronto, Ontario, Canada. Door mat. 1,952,222; Mar. 27.
- Rostone, Incorporated. (See Peffer, H. C., and Jones, assignors.)
- Rostone, Incorporated. (See Ross, David E., assignor.)
- Rostone, Incorporated. (See Ross, D. E., and Wymcr, assignors.)
- Rostone, Incorporated. (See Williams, Harold S., assignor.)
- Rotary Furnaces Limited. (See Garreau, Henri, assignor.)
- Rotary Machine Company. (See Montaine, Herbert A., assignor.)
- Rotary Printing Company, The. (See Nicholas, Herbert T., assignor.)
- Rotary Steel Company. (See Naugle, H. M., and Townsend, assignors.)
- Rotating Pumper Company. (See Jones, Wendell M., assignor.)
- Rotermund, Maynard A. (See Kennedy, H. E., Rotermund, and Jones.)
- Roth, Adolf N., San Francisco, Calif. Gas burner. 1,961,572; June 5.
- Roth, Adolf N., San Francisco, Calif. Gas burner. 1,968,620; July 31.
- Roth, August A., Baltimore, Md. Apparatus for sharpening files. 1,942,881; Jan. 9.
- Roth, Benjamin H., Jersey City, N. J. Metal eyelet. 1,951,168; Mar. 13.
- Roth, Charles H. (See Burnell, W. E., Petit, and Roth.)
- Roth, Emery, and L. Spira, Chicago, Ill. Depilatory soap. 1,982,268; Nov. 27.
- Roth, Ernest, Lautawert/Lausitz, Germany. Casting blocks of metal. 1,956,910; May 1.
- Roth, Ernst, Niederuzwil, Switzerland. Sifting machine for middlings, semolina, and the like, particularly grits. 1,962,573; June 12.
- Roth, Fred H., Chicago, Ill. Vaporizer for internal-combustion engines. 1,941,761; Jan. 2.
- Roth, George E., Chicago, Ill. Thermostat for aquariums. 1,981,251; Nov. 20.
- Roth, George W., Minneapolis, Minn. Wrist pin. 1,961,789; June 5.
- Roth, Hans G. E., New Rochelle, N. Y. Aircraft. 1,953,977; Apr. 10.
- Roth, Harris C., South Bend, Ind., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Variable pitch propeller. 1,942,126; Jan. 2.
- Roth, Henry J. (See Roth, William A. and H. J.)
- Roth, Henry J., Brooklyn, assignor to Eberhard Faber Pencil Co., New York, N. Y. Nail cleaning device. 1,956,627; May 1.
- Roth, Henry M., Troy, Ohio. Sunshade for beaches or the like. Des. 93,183; Aug. 28.
- Roth, Henry W., Windsor, Ontario, Canada. Electric switch control. 1,959,690; May 22.
- Roth, Henry W., Detroit, Mich. Current time control for electric welding. 1,985,107; Dec. 18.
- Roth, Isidor, New York, N. Y. Brassière. 1,970,920; Aug. 21.
- Roth, John T., and E. W. Vahle, assignors to The Huffman Manufacturing Company, Dayton, Ohio. Spout for liquid dispensing cans. 1,966,082; July 10.
- Roth, Joseph L., and W. R. Paulsen, assignors to American Heat Economy Bureau, Pittsburgh, Pa. Fluid control system. 1,961,790; June 5.
- Roth, Joseph L., and W. R. Paulsen, assignors to American Heat Economy Bureau, Pittsburgh, Pa. Fuel control system. 1,961,791; June 5.
- Roth, Ludwig, assignor of one-fourth to A. W. Hohlt, St. Louis, Mo. Nonrefillable container. 1,964,301; June 26.
- Roth No-Glare Lite Co. (See Roth, William A., assignor.)
- Roth, P. B., H. Elvert, and F. K. Steinberger, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing acetaldehyde. 1,975,480; Oct. 2.
- Roth, René, A. W. Pollock, and J. I. Johnson, Seattle, and B. Rithamer, Port Townsend, Wash. Ham mold. 1,962,877; June 12.
- Roth, Simon. (See Cullen, W. L., Roth, and Hoefler.)
- Roth, Sol J., New York, N. Y. Heater device. 1,961,643; June 5.
- Roth, William A., assignor to Roth No-Glare Lite Co., St. Paul, Minn. Light shield. 1,957,080; May 1.
- Roth, William A., St. Paul, and H. J. Roth, New London, assignors of one-third to T. F. Poole, St. Paul, Minn. Airplane. 1,964,179; June 26.
- Roth, William K., New York, N. Y. Display fixture. 1,955,771; Apr. 24.
- Roth, William K., New York, N. Y. Display fixture. 1,955,772; Apr. 24.
- Roth, William K., Astoria, N. Y. Display fixture. 1,955,773; Apr. 24.
- Roth, William K., Astoria, N. Y. Window display fixture. 1,957,475; May 8.
- Rothacker, Edward P., Cleveland, Ohio. Snap flask. 1,956,177; Apr. 24.
- Rothe, Gerhard. (See Schmitt, W., and Rothe.)
- Rothe, Horst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Crystal controlled circuit. 1,984,896; Dec. 18.
- Rothe, Horst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge tube. 1,984,897; Dec. 18.
- Rothe, Horst, and H. O. Rosenstein, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High-frequency oscillator. 1,943,627; Jan. 16.
- Rothe, Paul A., assignor to Furniture Stylists, Inc., Chicago, Ill. Tray carriage. 1,961,394; June 5.
- Rothe, Paul A., New York, N. Y., assignor to E. J. Meyer Co., Inc. Flower base. 1,965,003; July 3.
- Rothe, Werner, and F. Saar, assignors, to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Synchronous motor, in particular for talking machines. 1,971,463; Aug. 28.
- Rothe, William H., Irvington, N. J. Gem setting. Des. 92,825; July 17.
- Rothem, Erik, Oslo, Norway. Coating composition. 1,945,998; Feb. 6.
- Rothelius, Carl G. B. (See Dahlstrom, E. R., and Rothelius.)
- Rotherberg, Abraham. (See Nagy, E. V., and Elder, assignors.)
- Rotherberg, Abraham, and P. Mann, Los Angeles, Calif. Nut cracker. Des. 93,675; Oct. 23.
- Rotherberg, Otto. (See Ritter, M., Möbius, Rotherberg, and Block.)
- Rotherbucher, Joseph. (See Reuter, J., and Rotherbucher.)
- Rotherhoefer, Walter W., St. Louis, Mo. Brake for aeroplanes. 1,973,017; Sept. 11.
- Rothermel, Paul C., Portland, Oreg. Percolator. 1,980,931; Nov. 13.
- Rothermel, Samuel W., Lynbrook, assignor to The Western Union Telegraph Company, New York, N. Y. Combined keyboard transmitter and perforated tape transmitter. 1,941,916; Jan. 2.
- Rothfeld, Charles W., Philadelphia, Pa. Food preparing device. Des. 93,633; Oct. 16.
- Rothfus, Truman C., Des Moines, Iowa. Liquid dispensing device. 1,978,635; Oct. 9.
- Rothgarn, Andrew E., assignor to S. C. Clow, Minneapolis, Minn. Elevator belt driving mechanism. 1,954,493; Apr. 10.
- Rotorte Corporation. (See Denny, James H., assignor.)
- Rototiller, Inc. (See Kelsey, Cadwallader W., assignor.)
- Rotta, Walter, Zwickau, Germany. Treating textile goods of any description. 1,979,121; Oct. 30.
- Rottenberg, Benjamin, assignor to Dexter Bishop Co. Inc., New York, N. Y. Butter printing and cutting machine. 1,967,972; July 24.
- Rotter, Max, Milwaukee, Wis., assignor to Busch-Sulzer-Bros.-Diesel Engine Company, St. Louis, Mo. Diesel engine construction. 1,976,192; Oct. 9.
- Rottgart, Wilhelm. (See Hoffmann, R. R. A., and Rottgart.)
- Rottman, George, New York, N. Y. Receptacle. 1,957,980; May 8.
- Rottmann, Andreas, Dusseldorf, assignor to P. Drews, Berlin, Germany. Cooling device for the glass plates of copying frames. 1,976,143; Oct. 9.
- Roualet, Andre J. E., assignor to Chrysler Corporation, Detroit, Mich. Carburetor. 1,945,462; Jan. 30.
- Roualet, Andre J. E., assignor to Chrysler Corporation, Detroit, Mich. Carburetor. 1,945,463; Jan. 30.
- Roualet, Andre J. E., assignor to Chrysler Corporation, Detroit, Mich. Snap-on bearing clip. 1,966,599; July 17.
- Rouenville, Herbert, Copenhagen, Denmark. Amusement device. 1,979,844; Nov. 6.
- Rouge, Frank K., M. B. Steele and E. D. Smith, assignors to Steel and Tubes, Inc., Cleveland, Ohio. Homopolar generator. 1,944,952; Jan. 30.
- Rougyle, James F., Belmont, Mass. Damper control mechanism. 1,949,550; Mar. 6.
- Roulet, Jean-Jacques, assignor to the firm Durand & Huguenin S. A., Basel, Switzerland. Printing silk with chrome dyestuffs. 1,942,774; Jan. 9.
- Roumillat, Frank M., Portsmouth, Va. Torch head. 1,980,636; Nov. 13.
- Round, Henry J., London, England, assignor to Radio Corporation of America. Thermionic valve. 1,959,039; May 15.

- Round, Henry J., London, England, assignor to Radio Corporation of America. Electromagnetic reproducer. 1,974,895; Sept. 25.
- Round, Henry J., London, and P. W. Willans, Towcester, England, assignors to Radio Corporation of America. Thermionic valve circuits. 1,943,459; Jan. 16.
- Round, Louis D., Garfield Heights, and C. M. Power, Kent, assignors to The Cleveland Chain & Manufacturing Company, Garfield Heights, Ohio. Emergency chain. 1,963,631; June 19.
- Round Oak Furnace Company. (See Burch, E. S., and Freeland, assignors.)
- Round Oak Furnace Company. (See Freeland, Frank J., assignor.)
- Rounsavell, Joseph W., Wallowa, Oreg. Mowing machine. 1,953,505; Apr. 3.
- Rourke, Alfred E., San Francisco, Calif. Beverage dispenser. Des. 91,331; Jan. 9.
- Rourke, Alfred E., assignor of one-half to W. G. Abbott, San Francisco, Calif. Air conditioning machine. 1,984,658; Dec. 18.
- Rourke, James F., Worcester, Mass. Magnetic loom. 1,976,095; Oct. 9.
- Rourke, John H., St. Vital, Manitoba, Canada. Bag holder. 1,968,265; July 31.
- Rous, Bernard, Brooklyn, N. Y. Container comprising a combined packing box and show case. 1,962,618; June 12.
- Rous, Bernard, Brooklyn, N. Y. Razor blade sharpening device. 1,968,424; July 31.
- Rous, Bernard, Brooklyn, N. Y. Holder for fragile articles. 1,973,108; Sept. 11.
- Rouse, H. B., & Company. (See Rouse, Harry B., assignor.)
- Rouse, Harry B., assignor to H. B. Rouse & Company, Chicago, Ill. Mitering machine. 1,980,502; Nov. 13.
- Rousseau, Raymon E. (See Maddigan, A. G., Nehin, and Rousseau.)
- Rousseau, Raymon E. (See Maddigan, A. G., and Rousseau.)
- Routin, Joseph L., Paris, France. Device for the adjustment of receiving sets for wireless waves. 1,953,265; Apr. 3.
- Routtenberg, Zacharia, Los Angeles, Calif. Sewing machine needle and cutter plate. 1,947,495; Feb. 20.
- Roux, Adrian P., Oriskany, assignor to General Cable Corporation, New York, N. Y. Making drawing dies. 1,944,753; Jan. 23.
- Roux, Adrian P., Oriskany, assignor to General Cable Corporation, New York, N. Y. Drawing die. 1,944,759; Jan. 23.
- Roux, Charles, and L. E. Clémencet, Paris, France. Self-releasing clutch. 1,952,286; Mar. 27.
- Roux, Erwin, Berlin-Friedenau, Germany, assignor to Askanid-Werke A. G. vormalis Central Werkstatt, Dessau und Carl Bamberg-Friedenau. Magnetic balance for the measurement of intensities. 1,976,636; Oct. 9.
- Rovere, Lewis H., Brooklyn, N. Y., and E. V. Mott, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Switchboard terminal block. 1,961,111; May 29.
- Rovere, Lewis H., Brooklyn, N. Y., E. V. Mott, Metuchen, N. J., and R. C. Ayers, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Protector for electric circuits. 1,969,992; Aug. 14.
- Rovere, Lewis H., Brooklyn, N. Y., and P. H. Estes, Ruthersford, and J. W. Milnor, Maplewood, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Electrical protective device. 1,971,146; Aug. 21.
- Rovere, Lewis H., Brooklyn, N. Y., and P. H. Estes, Ruthersford, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Electrical protective system. 1,979,284; Nov. 6.
- Row, Frederick R., Toronto, Ontario, Canada. Box-making machine. 1,943,840; Jan. 16.
- Rowe, Alvin V., Galesburg, Ill. Bale tie. 1,980,503; Nov. 13.
- Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 1,948,769; Feb. 27.
- Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Door construction. 1,948,770; Feb. 27.
- Rowe, Andrew R., Midland, Pa. Casting ingots. 1,961,529; June 5.
- Rowe, Charles E., Ballarat, Victoria, Australia. Apparatus for removing boots and shoes from lasts. 1,969,097; Aug. 7.
- Rowe, Fred H. (See Moore, Guy S., assignor.)
- Rowe, Fred H., Gloucester, assignor of one-tenth to W. L. Hall and one-tenth to A. S. Nye, Boston, Mass. Automatic window control. 1,982,353; Nov. 27.
- Rowe, George E. (See Lorenz, E. H., and Rowe.)
- Rowe, George E., Wethersfield, assignor to The Hartford-Empire Company, Hartford, Conn. Manufacture of hollow glassware. 1,945,982; Feb. 6.
- Rowe, George E., Wethersfield, assignor to The Hartford-Empire Company, Hartford, Conn. Method of and apparatus for manufacturing hollow glassware. 1,945,983; Feb. 6.
- Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,976,193; Oct. 9.
- Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Mold charge delivery apparatus. 1,976,194; Oct. 9.
- Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Glassware forming apparatus. 1,979,211; Oct. 30.
- Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming hollow glassware. 1,956,203; Apr. 24.
- Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Winding swift. 1,966,685; July 17.
- Rowe, Irving R., assignor to The Atwood Machine Company, Stonington, Conn. Spindle retainer. 1,980,357; Nov. 13.
- Rowe, Lawrence A., Oak Park, assignor to MacLean-Fogg Lock Nut Co., Chicago, Ill. Card holder for railway equipment. 1,980,944; Nov. 13.
- Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Holder for electric fuses, etc. 1,971,623; Aug. 28.
- Rowe, Samuel B. (See Biane, F. J., and Rowe.)
- Rowe Slug Ejector Co. (See Gilchrist, W. L., and Hoofnagle.)
- Rowe Vending Machine Corp. (See Gilchrist, William L., assignor.)
- Rowe, William, Philadelphia, Pa., assignor, by mesne assignments, to Sloane-Blabon Corporation, New York, N. Y. Floor covering and manufacture thereof. 1,957,732; May 8.
- Rowe, William L., assignor to Johns-Manville Corporation, New York, N. Y. Shingle unit and roof built therefrom. 1,968,426; July 31.
- Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Construction of bags. 1,944,613; Jan. 23.
- Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Bag or container liner and making it. 1,982,929; Dec. 4.
- Rowell, Clifford B., Buffalo, N. Y. Telephone stand and light. 1,945,956; Feb. 6.
- Rowell, Elijah H., Tampa, Fla. Instrument panel. 1,944,905; Jan. 30.
- Rowell, Frank F., assignor to Yaxley Manufacturing Company, Chicago, Ill. Alarm signaling means. 1,965,004; July 3.
- Rowell, George S., Cleveland, Ohio, assignor, by mesne assignments, to Multigraph Company, Wilmington, Del. Printing process and apparatus. 1,945,569; Feb. 6.
- Rowell, George S., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Sheet holding frame for photographic use. 1,946,810; Feb. 13.
- Rowell, George S., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Inking device for rotary printing presses. 1,962,156; June 12.
- Rowell, George S., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Blanket-attaching device for rotary printing machine. 1,967,266; July 24.
- Rowell, George S., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Planographic printing. 1,976,039; Oct. 9.
- Rowell, George S., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Etching planographic plates and composition therefor. 1,977,646; Oct. 23.
- Rowell, George S., Elkhart, Ind., assignor to Multigraph Company, Wilmington, Del. Printing means. 1,966,464; July 17.
- Rowell, William C., Brooklyn, N. Y. Double inking device for printing presses. 1,974,544; Sept. 25.
- Rowen, Thomas C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for treating French binding work. 1,959,386; May 22.
- Rowen, Thomas C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Taping machine. 1,962,529; June 12.
- Rowland, Davidge H., assignor to Locke Insulator Corporation, Baltimore, Md. Corona shield. 1,953,025; Mar. 27.
- Rowland, Davidge H., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,955,609; Apr. 17.
- Rowland, Davidge H., assignor to Locke Insulator Corporation, Baltimore, Md. Pedestal switch insulator. 1,983,569; Dec. 11.
- Rowland, Dwight P. (See Summerlee, J. A., and Rowland.)
- Rowland, Dwight P., assignor to Burroughs Adding Machine Company, Detroit, Mich. Chair. 1,984,549; Dec. 18.
- Rowland, John W. (See Clement, M. W., Kleine, and Rowland.)
- Rowland, Thad W., St. Petersburg, Fla. Prize ticket for animal racing. 1,983,004; Dec. 4.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler head. 1,945,450; Jan. 30.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fluid pressure actuated alarm device. 1,946,412; Feb. 6.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fire extinguishing system. 1,950,270; Mar. 3.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Dry pipe valve. 1,955,685; Apr. 17.

- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fire extinguishing system. 1,955,686; Apr. 17.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Indicator for dry pipe sprinkler systems. 1,957,357; May 1.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Automatic drain valve. 1,972,034; Aug. 28.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Alarm for fire extinguishing systems. 1,980,095; Nov. 6.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Control valve. 1,980,096; Nov. 6.
- Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Valve for fire-extinguishing systems. 1,947,309; Feb. 13.
- Rowley, Charles A., East Orange, N. J. Cable terminal. 1,946,713; Feb. 13.
- Rowley, Charles A., Los Angeles, Calif. Shortening cutter or whip. 1,968,425; July 31.
- Rowley, Eugene F., Turlock, Calif. Floor covering seam protector. 1,966,020; July 10.
- Rowley, Frederick I., St. Paul, Minn. Electric automatic brake control. 1,982,354; Nov. 27.
- Rowley, Frederick I., St. Paul, Minn. Automatic brake governor. 1,985,744; Dec. 25.
- Rowse, Frank J., Pawtucket, R. I. Coin controlled locking mechanism. 1,981,074; Nov. 20.
- Rowsey, Gentry L., Big Spring, Tex. Sweetening process. 1,954,103; Apr. 10.
- Roxalin Flexible Lacquer Company. (See Roon, Leo, assignor.)
- Roy, Clarence H., assignor of one-fourth to W. J. Wesseler, East Cleveland, Ohio. Reinforced concrete structure. 1,985,745; Dec. 25.
- Roy, Guy F. (See Roy, William L. and G. F.)
- Roy, Joseph A., assignor of one-half to G. E. Essie and one-fourth to M. Essie, Manchester, N. H. Antiglare attachment for headlight bulbs. 1,976,965; Oct. 16.
- Roy, William L. and G. F., Stockton, Mo. Mixer. Des. 92,210; May 8.
- Royal Brass Manufacturing Company, The. (See Schultis, Charles F., assignor.)
- Royal, Celestian L. (See Masuda, R., Royal, and Marshall.)
- Royal Electric Company, Incorporated. (See Riesman, Joseph G., assignor.)
- Royal Electrotype Company. (See Haines, Rush T., assignor.)
- Royal Railway Improvements Corporation. (See Sauvage, William H., assignor.)
- Royal, Thomas M., Philadelphia, Pa. Bag making machine. 1,977,647; Oct. 23.
- Royal, Thomas M., Philadelphia, Pa. Attachment for paper bag making machines. 1,982,697; Dec. 4.
- Royal Typewriter Company. (See Bills, Clarence H., assignor.)
- Royal Typewriter Company. (See Degener, Gustave O., assignor.)
- Royal Typewriter Company. (See Dowd, Bernard J., assignor.)
- Royal Typewriter Company. (See Dowd, B. J., and Hart, assignors.)
- Royal Typewriter Company. (See Kittel, John J., assignor.)
- Royal Typewriter Company. (See Myers, Lewis C., assignor.)
- Royal Typewriter Company, Inc. (See Dowd, Bernard J., assignor.)
- Royal Typewriter Company, Inc. (See Hess, Edward B., assignor.)
- Royall, John A., East Boothbay, Maine. Razor blade sharpener. Des. 93,048; Aug. 14.
- Royall, John H., Birmingham, Ala., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Anchor for refractory furnace linings. 1,941,492; Jan. 2.
- Royden, George T., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio receiving system. 1,967,328; July 24.
- Royden, Herbert N., West Los Angeles, Calif. Ice vending machine. 1,985,518; Dec. 25.
- Roye, Richard T., assignor to Gray Tool Co., Houston, Tex. Pump valve. 1,966,264; July 10.
- Royer, Inc. (See Shannon, P., and Royer, assignors.)
- Royle, Alan G., Irlam, England. Gland and the like. 1,976,966; Oct. 16.
- Royle, Vernon, Paterson, N. J. Tubing machine. 1,949,084; Feb. 27.
- Royle, Vernon E., Paterson, N. J. Photo-engraved printing plate and producing the same. 1,964,599; June 26.
- Roys, Henry E., Haddon Heights, N. J., assignor to Radio Corporation of America. Shielding means for radio apparatus. 1,965,202; July 3.
- Rozema, Charles E., Grand Rapids, Mich., assignor to Haskellite Manufacturing Corporation. Treatment of glue. 1,967,688; July 24.
- Rozier, Henri H., assignor to Manufacture de Chaussures de Moulins Societe Anonyme, Moulins-sur-Allier, France. Machine for cutting or unrolling thongs of leather or other material. 1,942,365; Jan. 2.
- Ruau, Félix F. (See Molins, W. E., and Ruau.)
- Ruau, Félix F., London, England. Cigarette making machine. 1,962,036; June 5.
- Rubber Regenerating Company. (See Bull, Arthur W., assignor.)
- Rubber Regenerating Company. (See Chittenden, Fayette D., assignor.)
- Rubber Service Laboratories Company, The. (See Behrend, Oswald, assignor.)
- Rubber Service Laboratories Company, The. (See Fentress, James H., assignor.)
- Rubber Service Laboratories Company, The. (See Harman, Marion W., assignor.)
- Rubber Service Laboratories Company, The. (See Ingram, Joseph R., assignor.)
- Rubber Service Laboratories Company. (See Magoun, George L., assignor.)
- Rubber Service Laboratories Co., The. (See Moore, William A., assignor.)
- Rubber Service Laboratories Co., The. (See Scott, Winfield, assignor.)
- Rubber Service Laboratories Company, The. (See Scott, W., and Byers, assignors.)
- Rubber Service Laboratories Company, The. (See Sibley, Robert L., assignor.)
- Rubber Service Laboratories Company, The. (See Tompkins, Deal H., assignor.)
- Rubber Specialties Company Incorporated. (See Tompkins, Ernest E., assignor.)
- Rubel, Albert C. (See Grinnell, S., and Rubel.)
- Rubel, Charles F. (See Christensen, N. V., Le Vesconte, and Rubel.)
- Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Suspended resilient mounting for sewing machines. 1,943,189; Jan. 9.
- Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,984,286; Dec. 11.
- Rubel, Edward O., Rochester, N. Y. Collar holder. 1,959,598; May 22.
- Ruben, Abner A., New York, N. Y. Insignia. Des. 91,685; Mar. 6.
- Ruben, Abner A., New York, N. Y. Insignia. Des. 93,739; Oct. 30.
- Ruben Condenser Company. (See Ruben, Samuel, assignor.)
- Ruben, Eugen. (See Dietzel, O. P., and Ruben.)
- Ruben Patents Company. (See Ruben, Samuel, assignor.)
- Ruben, Samuel, New Rochelle, N. Y. Light sensitive device. 1,941,494; Jan. 2.
- Ruben, Samuel, New Rochelle, N. Y. Resistance device. 1,971,053; Aug. 21.
- Ruben, Samuel, New Rochelle, N. Y. Electrode for therapeutic devices. 1,973,911; Sept. 18.
- Ruben, Samuel, New Rochelle, N. Y. Vacuum tube circuit. 1,985,519; Dec. 25.
- Ruben, Samuel, assignor to Ruben Tube Company, New Rochelle, N. Y. Light-sensitive device. Re19,218; June 19.
- Ruben, Samuel, assignor to Ruben Condenser Company, New Rochelle, N. Y. Electric condenser. 1,947,112; Feb. 13.
- Ruben, Samuel, assignor to Ruben Patents Company, New Rochelle, N. Y. Resistance device. 1,950,750; Mar. 13.
- Ruben, Samuel, assignor to Ruben Patents Company, New Rochelle, N. Y. Microphone. 1,951,442; Mar. 20.
- Ruben, Samuel, New Rochelle, N. Y., assignor to Vega Manufacturing Corporation, Wilmington, Del. Automatic starter. 1,954,832; Apr. 17.
- Ruben, Samuel, New Rochelle, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Lamp, filament, and making the same. 1,981,878; Nov. 27.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Tube Company, Englewood, N. J. Light sensitive circuit. 1,941,493; Jan. 2.
- Ruben, Samuel, New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Electric lamp and filament therefor. 1,961,509; June 5.
- Ruben Tube Company. (See Ruben, Samuel, assignor.)
- Rubens, Harry E., Chicago, Ill. Circuit controller. 1,959,387; May 22.
- Rubens, Harry S., Chicago, Ill. Method of and device for wrapping articles. 1,964,083; June 26.
- Rubenstein, Charles, assignor to Hall Brothers, Inc., Kansas City, Mo. Display clamp. 1,970,868; Aug. 21.
- Rubinstein, Israel, Bronx, N. Y. Playing card and chip set holder or similar article. Des. 93,892; Nov. 20.
- Rubenstein, Joseph. (See Beach, Frederick A., assignor.)
- Rubinstein, Wilton, Clayton, Mo. Adjustable collar band. 1,983,309; Dec. 4.
- Ruberoid Co., The. (See Abraham, Herbert, assignor.)
- Ruberoid Co., The. (See Beeson, Paul O., assignor.)
- Ruberoid Co., The. (See Cooney, Charles A., assignor.)
- Ruberoid Co., The. (See Moffit, Samuel P., assignor.)
- Rubin, Abraham A. (See O'Brien, R. J., and Rubin.)
- Rubin, Adolph, assignor to Hussman-Ligonier Company, St. Louis, Mo. Slicing machine. 1,963,449; June 19.
- Rubin, Benjamin C., New York, N. Y. Pneumatic mattress. 1,944,466; Jan. 23.
- Rubin, Benjamin C., New York, N. Y. Self-inflating pillow. 1,950,571; Mar. 13.
- Rubin, Harry, assignor of one-half to G. J. Matowitz, Cleveland, Ohio. Refrigerating unit. 1,950,905; Mar. 18.
- Rubin, Herbert, New York, N. Y. Game board. 1,977,148; Oct. 16.

- Rubin, Herman H., New York, N. Y. Grip device. 1,951,709; Mar. 20.
- Rubini, Eligio, and P. Quartorone, Toronto, Ontario, Canada, assignors of one-third to F. Di Bartolo, Buffalo, N. Y. Dump vehicle. 1,970,627; Aug. 21.
- Ruble, Charles, C. L. Bond, and E. P. Drake, Los Angeles, Calif., assignors, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Box blank mechanism. 1,983,708; Dec. 11.
- Rubner, Hugo G., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,957,851; May 8.
- Rubner, Hugo G., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,961,456; June 5.
- Rubsam, Charles F., Jackson, Mich. Refrigerating apparatus. 1,958,206; May 8.
- Ruby, Ernest L. (See Guenst, William, assignor.)
- Ruby, James E., Waynoka, Okla. Animal trap. 1,967,629; July 24.
- Ruch, Herman J., Woodbury Heights, N. J., assignor, by mesne assignments, to Baldwin-Southwark Corporation. Wedge grip for testing machines. 1,943,931; Jan. 16.
- Rucker, Grace G., Topeka, Kans. Device to strain hot cooked grease and contain same. 1,948,771; Feb. 27.
- Rucker, Joseph A., et al. (See Hopkins, Jesse C., assignor.)
- Rucker, Moses P., et al. (See Hopkins, Jesse C.)
- Rückert, Josef, Zuckmantel, Czechoslovakia. Device for machining and trimming the side faces of weaving shuttles or the like. 1,956,810; May 1.
- Ruckman, Carl, and H. R. Hawkinson, Los Angeles, Calif. Card shuffling machine. 1,984,702; Dec. 18.
- Rudder, John W., assignor of one half to Alexander F. Whiting, Montgomery, Ala. Steam boiler. 1,942,257; Jan. 2.
- Ruddies, George F., Chicago, Ill. Motor fuel lubricating and antiknock materials. 1,980,097; Nov. 6.
- Rüdenberg, Reinhold. (See von Engel, A., Berthold, and Rüdenberg.)
- Rüdenberg, Reinhold, Berlin-Grunewald, Germany, assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Alternating current long distance line. 1,947,061; Feb. 13.
- Rüdenberg, Reinhold, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company. Alternating current long distance line. 1,947,062; Feb. 13.
- Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Permanent magnet and making it. 1,947,274; Feb. 13.
- Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Permanent magnet and making it. 1,968,569; July 31.
- Rudof, Morris, Los Angeles, Calif. Making a toothbrush. 1,967,783; July 24.
- Rudolf, Barnett, Bayonne, N. J. Level and square. 1,982,178; Nov. 27.
- Rudolph, Corrie F. (See Gebhard, L. A.)
- Rudolph, Corrie F. (See Gebhard, L. A., and Rudolph.)
- Rudolph, Corrie F. (See Gebhard, L. A., White, and Rudolph.)
- Rudolph, Curt, Leipzig, Germany. Safety device for suspended passenger ropeways with two pull ropes. 1,950,521; Mar. 13.
- Rudolph, Paul, Grossbriesnitz, near Borlitz, Germany. Lens system. 1,945,570; Feb. 6.
- Rudolph, Walter H. (See Alder, Frederick T., assignor.)
- Rudolph, Walter J., assignor to Ludlow Typograph Company, Chicago, Ill. Casting machine. 1,962,843; June 12.
- Rudolph, Wilhelm, assignor to Electroacoustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Apparatus for the directional transmission or reception of wave energy. 1,977,974; Oct. 23.
- Rudolph, Wilhelm, and B. Settegast, assignors to Electroacoustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Arrangement for preventing cross-talk in subaqueous sound installations. 1,945,984; Feb. 6.
- Rudolph, William F. (See Jennings, H. G., Mellor, Rudolph, and Smith.)
- Rudorff, Dagobert W., assignor to The Superheater Company, New York, N. Y. Tubular member for heat exchangers. 1,952,836; Mar. 27.
- Rudorff, Dagobert W., assignor to The Superheater Company, New York, N. Y. Steam plant. 1,975,519; Oct. 2.
- Rudqvist, Carl A., Stockholm, Sweden, assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland. Clutching device. 1,965,109; July 8.
- Rudy Furnace Company. (See Betts, Everett D., assignor.)
- Rudy Furnace Company. (See Freeland, Fred B., assignor.)
- Rue, Harold E. (See Hoffman, A. F., and Rue.)
- Rueb, Theodore O., assignor to Sherman-Klove Company, Chicago, Ill. Ratchet wrench. 1,981,526; Nov. 20.
- Ruegenberg, Gottfried, Olpe Westphalia, Germany. Producing packing strips. 1,943,145; Jan. 9.
- Rueger, Herman W. (See Bruns, A. E., and Rueger.)
- Ruelland, Albertine, New York, N. Y. Electric iron. 1,958,592; May 15.
- Ruemelin, Richard, Minneapolis, Minn. Support for flexible hose. 1,942,453; Jan. 9.
- Ruemelin, Richard, Milwaukee, Wis. Gas purifier. 1,955,834; Apr. 24.
- Ruemelin, Richard, Jr., Milwaukee, Wis. Adjustable holder for sand-blast nozzles. 1,974,470; Sept. 25.
- Ruen Hanger, Andrew, Co. Inc. (See Moore, John H., assignor.)
- Rueppel, Edwin H., Paducah, Ky. Sealed switch cabinet and meter and removing a fuse therefrom. 1,956,698; May 1.
- Ruesch, Adolf. (See Rathgeber, F., Schulz, Beplate, and Ruesch.)
- Rüesch, Adolf, Sydowsaue, near Stettin, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Device for the tying of artificial silk cakes. 1,953,725; Apr. 3.
- Ruesenberg, Carl A., assignor to Rockford Drilling Machine Company, Rockford, Ill. Clutch. 1,952,462; Mar. 27.
- Rufe, Augustus H., Doylestown, Pa. Liquid fluid atomizer. 1,972,537; Sept. 4.
- Rufener, Hans. (See Eichmann, T., and Rufener.)
- Rufener, Hans, and T. Eichmann, Bern-Liebefeld, Switzerland, assignors to International Carbonic Engineering Company, Kennett Square, Pa. Process and apparatus for storing liquid carbon dioxide. 1,968,504; July 31.
- Rufener, Hans, and T. Eichmann, Bern-Liebefeld, Switzerland, assignors to International Carbonic Engineering Company, Kennett Square, Pa. 1,971,429; Aug. 25.
- Rufener, Hans, and T. Eichmann, Bern-Liebefeld, Switzerland, assignors to G. B. Scarlett, Kennett Square, Pa., and J. W. Brock, Newton, Mass. Obtaining dense carbon dioxide snow directly from liquid carbon dioxide. 1,972,240; Sept. 4.
- Rufert Chemical Company. (See Heineken, W. P., and Freed, assignors.)
- Ruff, Alonzo W., assignor to York Ice Machinery Corporation, York, Pa. Apparatus for storing and dispensing carbon dioxide. 1,970,058; Aug. 14.
- Ruff, Alonzo W., assignor to York Ice Machinery Corporation, York, Pa. Defrosting apparatus. 1,970,340; Aug. 14.
- Ruff, Wolfram, Breslau, Germany. Making cast iron. 1,985,553; Dec. 25.
- Ruffertschofer, Fred, Auburn, Mich. Antiskid device. 1,952,944; Mar. 27.
- Ruffin, Laura V. (See Duvall, Stanley A., assignor.)
- Ruffino, Peter, Brooklyn, N. Y. Fuel vapor and air mixer. 1,942,187; Jan. 2.
- Rugg, Walter S. (See Storer, N. W., and Rugg.)
- Ruggiero, Gennaro, Cleveland, Ohio. Burner. 1,983,244; Dec. 4.
- Ruggiero, Gennaro, Cleveland, Ohio. Burner. 1,983,245; Dec. 4.
- Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
- Ruggles-Klingemann Mfg. Co. (See Tobin, Arthur L., assignor.)
- Ruh, Carl. (See Leach, Arthur H., assignor.)
- Ruhoff, Otto E. (See McEachron, E. J., Johnson, Jensen, Ruhoff, Schroeder, and Krueger.)
- Ruhrchemie Aktiengesellschaft. (See Tramm, Heinrich, assignor.)
- Ruhsert, Christoph, Dearborn, Mich. Blade holder. 1,951,110; Mar. 13.
- Rule, John F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass forming machine. 1,967,452; July 24.
- Rülke, Kurt. (See Lockemann, G., Gerngross, Rülke, and Ulrich.)
- Rumford Chemical Works. (See Bryan, Charles S., assignor.)
- Rumford Chemical Works. (See Edwards, Robert S., assignor.)
- Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
- Rumford Chemical Works. (See Fiske, A. H., and Bryan, assignors.)
- Rummelt, Reuben, Durham, N. C., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Selector switch. 1,984,703; Dec. 18.
- Rummler, Eugene A., Winnetka, Ill. Fountain pen filler. 1,943,804; Jan. 16.
- Rummler, Rummler & Woodworth. (See Colgren, Andrew F., assignor.)
- Rump, Ellis S. (See Konerman, W. A., Rump, and Farr.)
- Rump, Sigurd, Zurich, and H. Thommen, Ennetbaden, Switzerland. Switch with contacts surrounded by a medium under pressure. 1,945,916; Feb. 6.
- Rumpel, Carl H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing device. 1,984,995; Dec. 18.
- Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Intercone mill. 1,945,791; Feb. 6.
- Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Crusher. 1,957,228; May 1.
- Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Crusher. 1,960,980; May 29.
- Rumpf, Fritz, Bern, Switzerland. Exchange system for electrical communications. 1,962,619; June 12.
- Rumaldu, Lewis R., Pittsfield, Mass., assignor to General Electric Company. Control system. 1,970,103; Aug. 14.
- Rund, Nicholas F., East Detroit, assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Windshield regulator. 1,956,476; Apr. 24.
- Rundblad, George J., assignor to Wilson-Jones Company, Chicago, Ill. Permanent lock for loose-leaf binders. 1,951,673; Mar. 20.
- Rundell, Rupert E. (See Patterson, M., and Rundell.)

- Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar bunch rolling and shaping machine. 1,944,760; Jan. 23.
- Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Universal joint. 1,948,597; Feb. 27.
- Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar bunch machine. 1,948,598; Feb. 27.
- Rundell, Rupert E., Rockville Center, N. Y., assignor to Lakewest Corporation. Machine for crimping plastic caps on bottles. 1,958,769; May 15.
- Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Automatic cigarette stacker. 1,964,084; June 26.
- Rundell, Rupert E., Rockville Center, N. Y., assignor, by mesne assignments, to American Machine & Foundry Company. Tobacco stemming machine. 1,968,098; July 31.
- Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar bunch forming. 1,981,469; Nov. 20.
- Rundell, Rupert E., Rockville Center, and G. E. Hagquist, Brooklyn, N. Y., assignors to International Cigar Machinery Company. Tobacco leaf stemming and handling mechanism. 1,981,470; Nov. 20.
- Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Pneumatic feed for scrap bunch machines. 1,984,811; Dec. 18.
- Rundle, George H., Palmyra, Wis. Knock-down leg for furniture. 1,942,003; Jan. 2.
- Rundle, Henry M., Glen Ridge, N. J. Toy figure or the like. 1,969,039; Aug. 7.
- Rundle-Spence Mfg. Co. (See Schwibinger, George, assignor.)
- Rundlett, William D., assignor to The James Hunter Machine Company, North Adams, Mass. Traverse motions for blamires jappers. 1,978,355; Oct. 23.
- Runge, Arthur C., Detroit, Mich. Ozonizing apparatus for internal combustion engines. 1,982,484; Nov. 27.
- Runge, Robert F., Forest Hills Gardens, Long Island, N. Y., assignor, by mesne assignments, to S K F Industries, Inc., Philadelphia, Pa. Sheet metal pillow block and producing it. 1,964,770; July 3.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means to indicate resonance in a crystal resonator. 1,941,581; Jan. 2.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie mit beschränkter Haftung, Berlin, Germany. Heterodyne receiving system. 1,947,229; Feb. 13.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency control system. 1,952,463; Mar. 27.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Telephony and telegraph signaling device. 1,955,095; Apr. 17.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic volume control for radiotelegraphy. 1,969,239; Aug. 7.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Multiple receiving system. 1,974,896; Sept. 25.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic volume control. 1,978,552; Oct. 30.
- Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Low capacity inductance coil. 1,984,433; Dec. 18.
- Runge, Wilhelm, H. Muth, and D. Prinz, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra high frequency amplifier. 1,955,094; Apr. 17.
- Runk, William B., assignor to The Draher Machine Company, Waterbury, Conn. Bottle cork feeding machine. 1,958,248; May 8.
- Runne, Ernst. (See Kranzlein, G., and Runne.)
- Rünne, Ernst, and K. Larbig, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Metal-containing nondegrading thioderivative from phenols and preparing the same. 1,969,098; Aug. 7.
- Runnels, Paul P. (See Kissel, F. D., and Runnels.)
- Runnels, Paul P., Indianapolis, Ind., assignor to Consolidated Industries, Inc., Dallas, Tex. Cleaning applicator. 1,949,976; Mar. 6.
- Runyan, Arthur. (See Appar, F. A., and Runyan.)
- Ruosch, Samuel. (See Löscher, E., and Ruosch.)
- Rupert, James A. (See Pierce, William S., assignor.)
- Rupert, Richard. (See Clark, C. W., and Rupert.)
- Rupertus, Chester C., Washington, D. C. Skylight joint. Re19,109; Mar. 13.
- Rupp, Albert, Berlin-Tempelhof, Germany. Propeller hub. 1,969,664; Aug. 7.
- Rupp, Emil, Berlin-Frohnau, Germany, assignor to General Electric Company. Electric current rectifier. 1,955,564; Apr. 17.
- Rupp, Emil, Berlin-Frohnau, Germany, assignor to General Electric Company. Electric current rectifier. 1,956,544; Apr. 24.
- Rupp, Emil, Berlin-Frohnau, Germany, assignor to General Electric Company. Electric current rectifier. 1,968,570; July 31.
- Rupp, Emil, Berlin-Frohnau, Germany, assignor to General Electric Company. Electric current rectifier. 1,968,571; July 31.
- Rupp, Emil, Frohnau, near Berlin, Germany, assignor to General Electric Company. Device for analyzing the structure of matter. 1,971,277; Aug. 21.
- Rupp, John A., New York, N. Y. Automobile doorlock. 1,965,723; July 10.
- Rupp, Otto, Burgenland, Austria. Lever press. 1,981,198; Nov. 20.
- Ruppel, Frederick H., Pasadena, Calif. Pipe grooving tool. 1,983,922; Dec. 11.
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Screw cutting machine. 1,963,033; June 12.
- Ruppel, Sigwart, Frankfort-on-the-Main, Germany. Control system. 1,944,846; Jan. 23.
- Ruppel, Sigwart, Frankfort-on-the-Main, Germany. Electric circuit breaker. 1,947,230; Feb. 13.
- Ruppel, Sigwart, Frankfort-on-the-Main, Germany. Excess voltage protective system for electric feeders. 1,960,068; May 22.
- Ruppel, Sigwart, Berlin, Germany. Gas blast switch. 1,982,355; Nov. 27.
- Ruppel, Sigwart, Frankfort-on-the-Main, Germany, assignor to General Electric Company. Gas blast circuit breaker. 1,951,210; Mar. 13.
- Ruppert, Jacob. (See Neumer, Ferdinand, assignor.)
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Stock gauge stop for machine tools. 1,947,799; Feb. 20.
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Double chuck machine tool. 1,947,800; Feb. 20.
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Stock feeding mechanism for automatic machine tools. 1,950,931; Mar. 13.
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Magazine feed for single spindle machines. 1,956,999; May 1.
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Magazine feed for multiple spindle machines. 1,963,032; June 12.
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Feed for automatic machine tools. 1,980,440; Nov. 13.
- Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Hopper magazine feed device. 1,982,964; Dec. 4.
- Ruppel, Harry W., Cleveland, Ohio, assignor to The Cleveland Automatic Machine Company. Spindle stop for automatic machines. 1,952,287; Mar. 27.
- Ruppel, Harry W., assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Tool carrier for multiple spindle screw machines. 1,968,538; July 31.
- Rupprecht, Konrad. (See Weiske, P., and Rupprecht.)
- Rüsberg, Friedrich, Berlin-Niederschöneweide, assignor to Kali-Chemie, Aktiengesellschaft, Berlin, Germany. Making potassium bicarbonate and magnesium carbonate trihydrate from engel salt. 1,967,630; July 24.
- Ruscetta, Ralph A. (See Clark, F. M., and Ruscetta.)
- Rüsch, Adolf, Sydowstraße, near Stettin, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Cake and skein treating system. 1,954,649; Apr. 10.
- Rüsch, Gustav O. K. (See Christiansen, C., and Rüsch.)
- Rüsch, Roland, Opladen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Mixture of vat dyestuffs. 1,965,537; July 3.
- Rush, Harry. (See Riley, A., and Rush.)
- Rush, Henry P., San Angelo, Tex. Surgical instrument. 1,985,108; Dec. 18.
- Rush, Leo E., West La Fayette, and R. W. Dudley, assignors to Rush Mfg. Company, La Fayette, Ind. Fool-proof grease dispenser and recorder. 1,949,491; Mar. 6.
- Rush, Leo E., West La Fayette, and R. W. Dudley, assignors to Rush Manufacturing Company, La Fayette, Ind. Automatic float actuated valve. 1,956,656; May 1.
- Rush Mfg. Company. (See Rush, L. E., and Dudley, assignors.)
- Rush, Philip A., Memphis, Tenn. Coffee making method and apparatus. 1,944,303; Jan. 23.
- Rush, Ulysses S., Salchuck, Alaska. Signaling device. 1,965,751; July 10.
- Rush, William, Washington, D. C. Valve spring lifter. 1,960,878; May 29.
- Rushing, John B. (See Heaps, C. W., and Bryan, assignors, and Rushing.)
- Rusk, Harvey S., Pueblo, Colo. Surgical headrest. 1,971,624; Aug. 28.
- Rusnak, John M., West Hartford, assignor to Pratt & Whitney Company, Hartford, Conn. Support elevating device for machine tools. 1,966,021; July 10.
- Ruspoli, Edmonodo, Paris, France. Transmitting circuits with thermionic valves. 1,956,134; Apr. 24.
- Russ, Charles L., Phoenix, Ariz. Tank gauge. 1,969,186; Aug. 7.
- Russ, Emil F., Cologne-on-the-Rhine, Germany. Heating furnace for bands and wires. 1,956,401; Apr. 24.
- Russ, John A., Pittsburgh, assignor of one-half to G. H. Bruce, McKeesport, Pa. Electric toy or the like. 1,966,686; July 17.
- Russakov, Jacob I., Chicago, Ill. Washing machine. 1,945,234; Jan. 30.

- Russakov, Jacob I., Chicago, Ill. Display cover. 1,946,811; Feb. 13.
- Russakov, Jacob I., Chicago, Ill. Display cover. 1,978,375; Oct. 23.
- Russell, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Valve. 1,946,882; Feb. 13.
- Russell, A. N., & Sons Company. (See Leya, Thomas.)
- Russell, A. N., & Sons Company. (See Rix, W. K., assignor.)
- Russell, Alexander G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for metallically coating phonograph records. 1,954,950; Apr. 17.
- Russell, Alexander G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrodeposition of alloys. 1,960,029; May 22.
- Russell, Andrew N. (See Welsford, H. G., and Russell.)
- Russell, Andrew N., and J. D. Robb, Lachine, Quebec, Quebec, Canada. Wood grinding machine. 1,948,189; Feb. 20.
- Russell, Burdsall & Ward Bolt & Nut Company. (See Gibney, Joseph W., assignor.)
- Russell, Burdsall & Ward Bolt and Nut Company. (See Wilcox, R. L., and Rigney, assignors.)
- Russell, Charles A., and C. M. Walker, assignors to Mills Alloys, Inc., Los Angeles, Calif. Scarifier tooth. 1,960,879; May 29.
- Russell, Charles B., assignor to C. A. Russell, Buffalo, N. Y. Printing machine. 1,956,699; May 1.
- Russell, Clara A. (See Russell, Charles B., assignor.)
- Russell, Dale H., Shenandoah, Iowa. Plate and pan lifter. 1,973,269; Sept. 11.
- Russell, Edward A., Chicago, and D. W. Miller, Elmhurst, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Steam and electric heating unit. 1,946,547; Feb. 13.
- Russell, Edward A., and J. Van Vulpén, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Water return vapor regulator. 1,951,630; Mar. 20.
- Russell, Edward A., Chicago, P. B. Parks, Oak Park, and W. M. Smith, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Humidity controller. 1,953,727; Apr. 3.
- Russell, Edward A., Chicago, P. B. Parks, Oak Park, and W. M. Smith, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Hot water temperature regulator. 1,962,214; June 12.
- Russell, Evander F., et al. (See Downs, Frank E., assignor.)
- Russell, Frederick C., Altrincham, and J. H. Bradbury, Ashton-on-Mersey, England. Internal-combustion engine. 1,942,127; Jan. 2.
- Russell, Frederick W., Vallejo, Calif. Fishing reel. 1,948,886; Feb. 27.
- Russell, G. Ocar, Columbus, Ohio. Surgical instrument. 1,945,380; Jan. 30.
- Russell, Harlow M., Chelsea, Mass. Cushioned egg box. 1,941,719; Jan. 2.
- Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 1,976,299; Oct. 9.
- Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Acid hardening fixing bath. 1,981,391; Nov. 20.
- Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Processing photographic elements. 1,984,086; Dec. 11.
- Russell, Howard W. (See Williams, R. C., and Russell.)
- Russell, Howard W., Collingswood, N. J. Merchandise storing and displaying cabinet. 1,945,381; Jan. 30.
- Russell, James E., Lansing, Mich. Water heater. 1,957,615; May 8.
- Russell, John, Sydney, New South Wales, Australia. Paper sack. 1,981,711; Nov. 20.
- Russell, John, Sydney, New South Wales, Australia, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Method of and apparatus for filling bags with powdered or granular products. 1,979,492; Nov. 6.
- Russell, John B., jr., executor, et al. (See Morgan, Porter S.)
- Russell, John F., jr. (See Strachan, Harry, assignor.)
- Russell, John H., Kimball, Nebr. Potato cutting machine. 1,941,720; Jan. 2.
- Russell, John K., Los Angeles, Calif. Pilot lamp. 1,964,180; June 26.
- Russell, John K., Willard, N. Y. Spring suspension for vehicles. 1,975,977; Oct. 9.
- Russell, Joseph E., executor et al. (also known as Joseph B. Russell.) (See Morgan, Porter S.)
- Russell, Julian G., North Chattanooga, assignor, by mesne assignments, to Carter Brothers, Incorporated, Chattanooga, Tenn. Sewing machine. 1,947,436; Feb. 13.
- Russell Manufacturing Company, The. (See Dowd, Raymond E., assignor.)
- Russell Manufacturing Company, The. (See Zimmer, Frederick J., assignor.)
- Russell, Mark N., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Pull socket. 1,941,721; Jan. 2.
- Russell, Mark N., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Lamp receptacle. 1,966,563; July 17.
- Russell, Mark N., and V. R. Despard, assignors to Pass & Seymour, Inc., Syracuse, N. Y. Electric switch. 1,948,399; Feb. 20.
- Russell, Matthew, Springfield, Mass. Spraying device. 1,968,173; July 31.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Method and apparatus for casting pipes centrifugally. 1,949,433; Mar. 6.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Centrifugally cast cast iron pipe. 1,954,892; Apr. 17.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Casting centrifugal pipes. 1,963,146; June 19.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Centrifugal pipe casting apparatus. 1,963,147; June 19.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Centrifugal pipe casting machine. 1,963,148; June 19.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Centrifugal pipe casting apparatus. 1,963,149; June 19.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Centrifugal pipe casting machine. 1,963,150; June 19.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Cast iron pipe. 1,971,385; Aug. 28.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Casting metallic annuli. 1,982,762; Dec. 4.
- Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, assignors to United States Pipe and Foundry Company, Burlington, N. J. Casting ingots. 1,982,763; Dec. 4.
- Russell, Olin F., Los Angeles, Calif. Valve. 1,947,878; Feb. 20.
- Russell, Phillip A., et al. (See Steel, Harry L., assignor.)
- Russell, Philip T., Mount Rainier, Md. Underwater transmitter and receiver. 1,984,383; Dec. 18.
- Russell, Robert C., Detroit, Mich. Clutch. 1,967,563; July 24.
- Russell, Robert C., Dallas, Tex. Valve-operating mechanism. 1,979,348; Nov. 6.
- Russell, Robert H., Cleveland, Ohio, assignor to Gas Fuel Corporation, New York, N. Y. Refining emulsified compounds. 1,970,771; Aug. 21.
- Russell, Robert P., Elizabeth, N. J., assignor to Standard-I. G. Company. Conducting high temperature hydrogenation processes. 1,949,631; Mar. 6.
- Russell, Robert P., Baton Rouge, La., assignor to Standard-I. G. Company. Production of low boiling from higher boiling hydrocarbons by the action of hydrogen at elevated temperatures. 1,949,632; Mar. 6.
- Russell, Robert P., Baton Rouge, La., assignor to Standard-I. G. Company. Producing lubricants by hydrogenation of hydrocarbon oils. 1,963,385; June 19.
- Russell, Robert P., and W. C. Asbury, Baton Rouge, La., assignors to Standard-I. G. Company. Catalytic hydrogenation of hydrocarbon oil and the like. 1,949,630; Mar. 6.
- Russell, Robert P., and W. V. Hanks, Baton Rouge, La., assignors to Standard Oil Development Company. Process and apparatus for producing gas rich in hydrogen. 1,951,774; Mar. 20.
- Russell, Robert P., and M. W. Boyer, Baton Rouge, La., assignors to Standard-I. G. Company. Catalytic hydrogenation of hydrocarbon oil and for the reactivation of the catalyst therefor. 1,955,253; Apr. 17.
- Russell, Robert P., and G. H. B. Davis, Baton Rouge, La., assignors to Standard-I. G. Company. Producing lubricants. 1,955,861; Apr. 24.
- Russell, Romulus M., assignor to Universal Sanitary Manufacturing Co., New Castle, Pa. Jet closet. 1,983,404; Dec. 4.
- Russell, Roy M., Warsaw, N. Y. Flour sifter. 1,953,266; Apr. 3.
- Russell, Roy V., Middletown, Ohio. Boring tool holder or boring bar. 1,960,124; May 22.
- Russell, Rufus W., East Cleveland, Ohio. Adjustable table. 1,947,801; Feb. 20.
- Russell, Samuel G. (See Potter, R. R., and Russell.)
- Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,960,285; May 29.
- Russell, Samuel G., Kalamazoo, assignor of one-half to J. E. Porter, Muskegon, Mich. Internal combustion engine and piston therefor. 1,963,151; June 19.
- Russell, Samuel G., and E. D. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,960,286; May 29.
- Russell, Samuel G., and E. D. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel bushing appliance. 1,981,925; Nov. 27.
- Russell, Stephen Y., assignor to A. S. Baker, Okmulgee, Okla. Boring machine. 1,982,025; Nov. 27.
- Russell, Theodore, Naugatuck, Conn. Bead chain. 1,947,113; Feb. 13.
- Russell, Wallace W., Kansas City, Mo. Highway guard rail. 1,980,733; Nov. 13.

- Russell, Walter. (See Hormel, A., and Russell.)
- Russert, Otto J., Schenectady, N. Y., assignor of one-half to L. K. Sager, Palisade, N. J. Educational apparatus. 1,952,024; Mar. 20.
- Russia Cement Company. (See Edson, Earle R., assignor.)
- Russo, Andrew, Fitchburg, Mass. Domestic water heater. 1,948,735; Feb. 27.
- Russo, Domenico J., Revere, Mass. Convertible seat and bed. 1,982,930; Dec. 4.
- Russo, Joe, Cleveland, Ohio. Tool sterilizer. 1,946,883; Feb. 13.
- Rust, Joseph H., Houston, Tex. Quilting frame. 1,954,227; Apr. 10.
- Rust, Philip F., New Bremen, assignor of one-half to The Industrial Equipment Company, Minster, Ohio. Method of and apparatus for deodorizing and dehydrating fluids. 1,943,146; Jan. 9.
- Rustenberg, August A. (See Mangold, W. B., and Rustenberg.)
- Rutemiller, Oren G., and G. E. King, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Reversible spring reset limit switch. 1,944,761; Jan. 23.
- Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electrical appliance. 1,942,835; Jan. 9.
- Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electrical switch. 1,956,363; Apr. 24.
- Rustin, Eugene H., Brooklyn, N. Y. Carburetor. 1,984,287; Dec. 11.
- Ruth Company, The. (See Ruth, Joseph P., assignor.)
- Ruth Company, The. (See Ruth, Joseph P., jr., assignor.)
- Ruth, Edward D., Lancaster, Pa., assignor to H. J. Fardee, Long Island City, N. Y. Chlorinating water. 1,943,487; Jan. 16.
- Ruth, Joseph P., jr., assignor to The Ruth Company, Denver, Colo. Ore separation. 1,955,978; Apr. 24.
- Ruth, Joseph P., jr., assignor to The Ruth Company, Denver, Colo. Ore separation. 1,955,979; Apr. 24.
- Ruth, Joseph P., jr., assignor to The Ruth Company, Denver, Colo. Ore separation. 1,960,459; May 29.
- Ruth, Joseph P., jr., assignor to The Ruth Company, Denver, Colo. Mine locomotive. 1,963,678; June 19.
- Ruth, Joseph P., assignor to The Ruth Company, Denver, Colo. Bearing. 1,966,905; July 17.
- Ruth, Joseph P., jr., assignor to The Ruth Company, Denver, Colo. Ore separation. 1,974,218; Sept. 18.
- Ruth, Joseph P., jr., and F. A. Brinker, assignors, by mesne assignments, to said F. A. Brinker, Denver, Colo. Flotation ore separation. 1,973,578; Sept. 11.
- Ruth, Walter E., assignor to Rex Research Corporation, Toledo, Ohio. Spray gun. 1,945,164; Jan. 30.
- Ruth-Aldo Company. (See Mancini, Ugo, assignor.)
- Ruth-Aldo Company. (See Orioli, Ernesto, assignor.)
- Ruth-Aldo Company. (See Thenoz, Raymond A. J., assignor.)
- Ruthaldo Company (Inc.) (See Barthelemy, Henri L., assignor.)
- Ruthenburg, Louis, Birmingham, J. R. Replogle, and H. R. McPhail, Detroit, Mich., assignors to Copeland Products, Inc. Heat exchange device. 1,943,557; Jan. 16.
- Ruther, Walter H., Springfield, Ill. Spark plug. 1,967,480; July 24.
- Rutherford, Eugene W., New Haven, assignor to The Shoe Hardware Company, Waterbury, Conn. Making sliders. 1,953,726; Apr. 3.
- Rutherford, Eugene W., New Haven, assignor to The Shoe Hardware Company, Waterbury, Conn. Making slider for interlocking fasteners. 1,971,464; Aug. 28.
- Rutherford, George S., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lubricating compound. 1,944,273; Jan. 23.
- Rutherford, Hessie T., Kansas City, Mo. Washing machine. 1,945,444; Jan. 30.
- Rutherford, John, jr., Slingerlands, assignor to The Embossing Company, Albany, N. Y. Closure and making the same. 1,967,725; July 24.
- Rutherford, John T. (See Davis, W. N., and Rutherford.)
- Rutherford, John T. (See Thompson, H. W., and Rutherford.)
- Rutherford, John T., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Method and apparatus for treatment of oil sludge. 1,983,678; Dec. 11.
- Rutherford, Robbins S., New York, N. Y. Soap holder. 1,946,884; Feb. 13.
- Rutherford, Ronald C., Chihuahua, Mexico, assignor to American Smelting and Refining Company, New York, N. Y. Method and apparatus for refining metals. 1,954,951; Apr. 17.
- Ruthruff, Robert E., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Hydrogenation system. 1,948,736; Feb. 27.
- Ruthsaccumulator Aktiebolag. (See Musil, Ludwig, assignor.)
- Ruthven, Albert F., assignor to Leatherless Plunger Pump Corporation, Amarillo, Tex. Self grinding valve. 1,971,659; Aug. 28.
- Ruthven, Albert F., assignor to Leatherless Plunger Pump Corporation, Amarillo, Tex. Reciprocating pump. 1,977,489; Oct. 16.
- Rutishauser, Donald E., assignor to Hussmann-Ligionier Company, St. Louis, Mo. Dehydrating glass-enclosed spaces. 1,956,628; May 1.
- Rutishauser, Donald E., assignor to Hussmann-Ligionier Company, St. Louis, Mo. Refrigerator. 1,959,646; May 22.
- Rutkoskie, George A., assignor to The McBee Company, Athens, Ohio. Rotary press for printing wax carbon spots on paper. 1,961,827; June 5.
- Rutkoskie, George A., assignor to The McBee Company, Athens, Ohio. Producing wax carbon spots. 1,961,828; June 5.
- Rutkoskie, George A., assignor to The McBee Company, Athens, Ohio. Printing press for printing wax carbon spots on sheets of paper. 1,983,948; Dec. 11.
- Rutkoskie, George A., assignor to The McBee Company, Athens, Ohio. Sheet fed rotary press. 1,985,839; Dec. 25.
- Rutkoskie, George A., and N. S. Welk, assignors to The McBee Company, Athens, Ohio. Printing press for producing wax carbon spots on sheets of paper. 1,961,829; June 5.
- Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Dispensing can. 1,978,885; Oct. 30.
- Rutledge, Charles F., Hartford City, Ind. Flexible door. 1,962,913; June 12.
- Rutledge, George E., assignor to Vassar Swiss Underwear Company, Chicago, Ill. Combination foundation garment. 1,965,860; July 10.
- Rutledge, Marcus J., Los Angeles, Calif. Ironing board. 1,980,098; Nov. 6.
- Rutledge, Robert E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Paper dish. Des. 93,184; Aug. 28.
- Rutledge, Robert E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Packing box or carton. 1,974,897; Sept. 25.
- Rutledge, Robert E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Pie dish or package. 1,974,898; Sept. 25.
- Rutledge, Robert W., et al. (See Price, Albert O., assignor.)
- Rutten, Peter, Osakis, Minn. Building unit and structure. 1,985,328; Dec. 25.
- Rüttenauer, Alfred, Berlin-Charlottenburg, and O. Fritze, Berlin, Germany, assignors to General Electric Company. Electric arc lamp. 1,967,906; July 24.
- Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Hay rake. 1,947,572; Feb. 20.
- Rutter, Argyle R., Chatham, and W. G. Mylius, Summit, N. J., assignors to Westinghouse Electric and Manufacturing Company. Test block for meters. 1,942,258; Jan. 2.
- Rutter, Clyde M., Massillon, assignor to Republic Steel Corporation, Youngstown, Ohio. Scrubbing device. 1,982,356; Nov. 27.
- Ruttiman, Alfred. (See White, F. E., and Ruttiman.)
- Ruttiman, Alfred, Gardner, assignor to The Alaska Freezer Co. Inc., Winchendon, Mass. Igniter for oil stoves. 1,976,144; Oct. 9.
- Ruud Manufacturing Company. (See Horton, Ernest J., assignor.)
- Ruud Manufacturing Company. (See Humphrey, Herbert S., assignor.)
- Ružička, Apollo, Usti Nad Labem, Krasnobrezenska, Czechoslovakia. Improving coal material. 1,965,513; July 3.
- Ryall, Leonard E., Surrey, England, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electric measuring instrument. 1,966,047; July 10.
- Ryall, Leonard E., Sutton, England, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electrical signaling system. 1,976,096; Oct. 9.
- Ryalls, John H., Richmond, assignor of fifty-one per cent to Halstead S. Hedges, Charlottesville, Va. Battery terminal. 1,951,259; Mar. 13.
- Ryan, Alva L. (See Reist, Ezra O., assignor.)
- Ryan Car Company. (See Faverty, Clyde B., assignor.)
- Ryan Car Company. (See Ryan, W. M., and Faverty, assignors.)
- Ryan, Charles F., assignor to Hartford-Empire Company, Hartford, Conn. Furnace and regenerator construction therefor. 1,961,510; June 5.
- Ryan, Clement D., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Combined wringer and casing for washing machines. Des. 91,283; Jan. 2.
- Ryan, Edmund J., and M. H. Kowan, Chicago, Ill. Lavage table. 1,945,081; Jan. 30.
- Ryan, Edward P., Baltimore, Md. Bed lamp and the like. 1,973,152; Sept. 11.
- Ryan, Frank P., assignor to Chrysler Corporation, Detroit, Mich. Paint stripping nozzle. 1,980,552; Nov. 13.
- Ryan, George E., Germantown, Tenn. Oil press. 1,980,000; Nov. 6.
- Ryan, George F., Lynn, Mass., assignor, by mesne assignments to United Shoe Machinery Corporation, Paterson, N. J. Pattern grading machine. 1,982,764; Dec. 4.
- Ryan, James L. (See Fickett, Winfield F., assignor.)
- Ryan, James P., et al. (See Phillips, Bertram T., assignor.)
- Ryan, John F., Cadillac, Mich. Oil burner. 1,947,741; Feb. 20.
- Ryan, John F., assignor to Neway Specialty Manufacturing Company, San Francisco, Calif. Vegetable slicer. 1,984,034; Dec. 11.

- Ryan, Joseph D. (See Watkins, G. B., and Ryan.)
- Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Safety glass. 1,976,749; Oct. 16.
- Ryan, Joseph D., and W. J. Arner, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Safety glass. 1,976,748; Oct. 16.
- Ryan, Joseph D., and G. B. Watkins, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 1,976,750; Oct. 16.
- Ryan, Joseph F., assignor to Cummins Perforator Company, Chicago, Ill. Ejector for perforating machines. 1,981,199; Nov. 20.
- Ryan, Joseph F., and J. E. Carr, Aurora, and C. F. Anderson, Brookfield, Ill., assignors, by mesne assignments to Kewaunee Manufacturing Co., Kewaunee, Wis. Locker. 1,973,579; Sept. 11.
- Ryan, Joseph P., Santa Monica, Calif. Mineral washing pan. 1,966,359; July 10.
- Ryan, Justin P., Toronto, Ontario, Canada. Mop. 1,974,471; Sept. 25.
- Ryan, Mary, Chicago, Ill. Article of manufacture. 1,979,053; Oct. 30.
- Ryan, Thomas H., San Francisco, Calif. Power transmission device. 1,933,641; Dec. 11.
- Ryan, Victor A., Millburn, assignor to Electro-Technical Coatings, Inc., Nutley, N. J. Electrician's tool. 1,946,239; Feb. 6.
- Ryan, William, Jr., University City, Mo. Refrigerator truck cooling apparatus. 1,974,726; Sept. 25.
- Ryan, William, Chicago, Ill. Furnace. 1,984,157; Dec. 11.
- Ryan, William A. (See Dickinson, Joseph R., assignor.)
- Ryan, William M., and C. B. Paverty, assignors to Ryan Car Company, Chicago, Ill. Steam power plant. 1,964,703; June 26.
- Rybeck, Adolph W., assignor to T. L. Smith Company, Milwaukee, Wis. Material mixing apparatus. 1,952,464; Mar. 27.
- Ryberg, Fritz R., Cleveland, Ohio. Liquid cooling apparatus. 1,966,648; July 17.
- Ryckman, Norman E., assignor to The Coffield Washer Company Limited, Hamilton, Ontario, Canada. Safety shutter or guard attachment for clothes wringers. 1,968,505; July 31.
- Rycroft, George E., Waban, Mass. Sleeping bag. 1,952,465; Mar. 27.
- Ryd, Erik, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Pneumatic rock drilling machine. 1,951,065; Mar. 13.
- Rydebeck, Patrik S., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller bushing. 1,979,707; Nov. 6.
- Ryderberg, Gustav G. H., Alsten, assignor to Svenska Akkumulator Aktiebolaget Jungner, Stockholm, Sweden. Measuring apparatus. 1,968,539; July 31.
- Ryde, John W. (See Francis, V. J., and Ryde.)
- Ryder, Charles D. (See Jeffery, H. L., and Ryder.)
- Ryder, Earle A., West Hartford, assignor to The Pratt & Whitney Aircraft Company, East Hartford, Conn. Valve operating device. 1,970,104; Aug. 14.
- Ryder, Elmer, Chicago, Ill. Valve grinder. 1,958,498; May 15.
- Ryder, Frank H., assignor to Harder Refrigerator Corporation, Cobleskill, N. Y. Refrigerator. 1,963,034; June 12.
- Ryder, Frank P., Niagara Falls, N. Y. Pea threshing machine. 1,960,853; May 29.
- Rydner, Gustaf W., Detroit, Mich. Vehicle signal. 1,970,252; Aug. 14.
- Ryerson, Creighton W., Jackson, Mich., assignor to Ryerson & Haynes, Inc. Tire cover. 1,969,330; Aug. 7.
- Ryerson & Haynes, Inc. (See Ryerson, Creighton W., assignor.)
- Rykert, Willard C. (See Stoddard, E. S., and Rykert.)
- Rylsky, Gregory V. (See Mouromtseff, I. E., and Rylsky.)
- Rymes, Christopher E. (See Ball, S. T., and Rymes.)
- Rypinski, Albert B., Laurelton, Long Island, N. Y. Slow reactor or circuit controller. 1,972,112; Sept. 4.
- Rypinski, Albert B., Laurelton, Long Island, N. Y. Coil for slow electromagnets and reactors. 1,972,319; Sept. 4.
- Rypinski, Albert B., Laurelton, Long Island, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Electric circuit installation. 1,963,250; June 19.
- Rypinski, Albert B., Laurelton, N. Y., assignor, by mesne assignments, to Metropolitan Device Corporation. Meter cut-out. 1,968,354; July 31.
- Rypinski, Albert B., Laurelton, Long Island, assignor, by mesne assignments, to American Radiator and Standard Sanitary Corporation, New York, N. Y. Radiator enclosure. 1,970,945; Aug. 21.
- Rypinski, Albert B., Laurelton, Long Island, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Switch box. 1,972,245; Sept. 4.
- Ryschkewitsch, Eugen, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Manufacture of highly refractory products. 1,969,099; Aug. 7.
- Rystrom, Charles H., et al. (See Wahlmark, Gunnar A., assignor.)
- S & C Holding Corporation, et al. (See Sherrick, Samuel T., assignor.)
- S. and D. Engineering Company. (See Sawtelle, C. A., and Darmstaetter, assignors.)
- S. G. S. Industries, Inc. (See Gardner, Cummings, assignor.)
- S. H. G. Incorporated. (See Hermsdorf, Walter H., assignor.)
- S K F Industries, Inc. (See Miller, Nils, assignor.)
- S K F Industries, Inc. (See Runge, Robert F., assignor.)
- S K F Industries, Inc. (See Stearns, F. H., and Neumer, assignors.)
- S K F Industries, Inc. (See Styri, Haakon, assignor.)
- S. M. A. Corporation. (See Barnett, Harold M., assignor.)
- S. M. A. Corporation. (See Holmes, H. N., and Leicester, assignors.)
- S. M. M. H. Corporation, The. (See Holst, L. J. R., Mayer, and Menefee, assignors.)
- S and R Folding Machine Co., The. (See Roby, Edward B., assignor.)
- S and R Folding Machine Co., The. (See Roby, E. B., and Underwood, assignors.)
- S. & S. Cone Corporation. (See Yohai, Robert J., assignor.)
- S. & S. Corrugated Paper Machinery Co. (See Stern, Isaac, assignor.)
- S. and S. Engineering Corporation. (See Shelor, Frederick L., assignor.)
- Saaf, Dirk G., assignor to Goodrich Electric Company, Chicago, Ill. Adjustable lighting fixture. 1,972,056; Aug. 28.
- Saal, Alice M., et al., executrices. (See Saal, Henry G.)
- Saal, Henry G., deceased, McHenry, Ill., A. M. Saal, and V. L. Foulds, executrices. Automatic phonograph record changing means and method. 1,958,801; May 15.
- Saal, William. (See Bowers, Charley, assignor.)
- Saar, Franz. (See Rothe, W., and Saar.)
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric translating circuits. 1,947,231; Feb. 13.
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 1,948,360; Feb. 20.
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 1,957,229; May 1.
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 1,961,080; May 29.
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system and excitation apparatus therefor. 1,976,463; Oct. 9.
- Sabbah, Camil A., and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Electric valve converting system. 1,957,230; May 1.
- Sabbah, Camil A., and M. M. Morack, Schenectady, N. Y., assignors to General Electric Company. Electric valve converting system and excitation apparatus therefor. 1,957,231; May 1.
- Sabel, Franz, and H. Hanisch, Neuroessen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Low temperature carbonization apparatus. 1,955,025; Apr. 17.
- Sabel, Isadore, Philadelphia, Pa., and L. S. Macdonald; said Macdonald assignor of his right to Thompson Bros. Shoe Co., Brockton, Mass. Corrective shoe. 1,952,684; Mar. 27.
- Sabel, Isadore, Philadelphia, Pa., and L. S. Macdonald; said Macdonald assignor of his right to Thompson Bros. Shoe Co., Brockton, Mass. Last for corrective shoes. 1,952,685; Mar. 27.
- Sabel, John C., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Focusing lens mounting. 1,945,999; Feb. 6.
- Sabik, George, Western Springs, and S. Offer, assignors to U. S. Duplicator Company, Chicago, Ill. Duplicating machine. 1,979,285; Nov. 6.
- Sabin, Elmore E., Oakland, Calif. Gas bag envelope for aircraft. 1,944,467; Jan. 23.
- Sabon, Raoul, Bordeaux, France. Automatic pencil. 1,947,802; Feb. 20.
- Sabor, Russell. (See Hartry, Earl P., assignor.)
- Sacchi, Francesco. (See Bosso, V., Silvestrini, and Sacchi.)
- Sacerdote, Guido M. (See Guidetti, F., and Sacerdote.)
- Sachs, Abraham. (See Grier, R. H., and Sachs.)
- Sachs, Albert P. (See Beardsley, E. W., and Sachs.)
- Sachs, Albert P., assignor to Petroleum Conversion Corporation, New York, N. Y. Making combustible gas and converting hydrocarbon oils. 1,955,774; Apr. 24.
- Sachs, Benjamin J., Springfield, Ohio. Garment protector. 1,981,571; Nov. 20.
- Sachs, Colette, Paris, France, assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Lady's vanity case. Des. 92,021; Apr. 17.
- Sachs, Henry M. E., South Bend, Ind., assignor of one-half to R. Malcom, Chicago, Ill. Optical lens and making same. 1,942,775; Jan. 9.
- Sachs, Henry M. E., South Bend, Ind., assignor of one-half to R. Malcom, Chicago, Ill. Multifocal lens. 1,980,880; Nov. 13.
- Sachs, Jacques. (See Barbieri, D., and Sachs.)
- Sachs, Joseph, West Hartford, Conn. Electric circuit controlling appliance. 1,946,504; Feb. 13.
- Sachs, Joseph, West Hartford, Conn. Electric switch. 1,947,275; Feb. 13.
- Sachs, Joseph, West Hartford, Conn. Electric circuit controlling appliance. 1,947,276; Feb. 13.
- Sachs, Joseph, West Hartford, Conn. Switching member for electric switches. 1,947,277; Feb. 13.

- Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,952,632; Mar. 27.
- Sachs, Ludwig, Vienna, Austria. Staple band for stapling devices of all kinds. 1,964,142; June 26.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,022; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,023; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,024; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,025; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,026; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,027; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,028; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,029; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,030; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,031; Apr. 17.
- Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. Des. 92,826; July 17.
- Sachs Sole Shaping Machine Company, The. (See Grier, Ralph H., assignor.)
- Sachtleben, Lawrence T., Oaklyn, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 1,983,310; Dec. 4.
- Sack, Arthur H. (See Heitman, E., and Sack, assignors.)
- Sackett, A. J., & Sons Company, The. (See Sackett, Augustus J., assignor.)
- Sackett, Augustus J., Anne Arundel County, Md. Storage bin. 1,960,797; May 29.
- Sackett, Augustus J., Anne Arundel County, assignor to The A. J. Sackett & Sons Company, Baltimore, Md. Mixing machine. 1,960,030; May 22.
- Sackett, Warren W., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Heat regulator for ovens and the like. 1,959,877; May 22.
- Sackett, Warren W., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Remote controlled safety valve. 1,966,735; July 17.
- Sackman Brothers Company. (See Iskin, Herman, assignor.)
- Sackner, Wade E., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Edge roll. 1,950,999; Mar. 13.
- Sackner, Wade E., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Edge roll. 1,951,000; Mar. 13.
- Sacks, Alvin L., University City, assignor to The Puro Company, Inc., St. Louis, Mo. Deodorant container. 1,954,893; Apr. 17.
- Sackville, William, Berkeley, Calif. Radiant energy detector. 1,944,194; Jan. 23.
- Saco-Lowell Shops. (See Curley, Robert S., assignor.)
- Saco-Lowell Shops. (See Tarr, R. D., and Blake, assignors.)
- Saco-Lowell Shops. (See Tarr, R. D., and Mason, assignors.)
- Sacrey, Elmer P., Liverpool, N. Y. Template for lock plate mortises. 1,954,368; Apr. 10.
- Sadacca, Albert, assignor to Noma Electric Corporation, New York, N. Y. Electrical lamp socket. 1,971,201; Aug. 21.
- Sadenwater, Charles W., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing table. 1,961,944; June 5.
- Sagebury, Herman F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Paper take-up mechanism. 1,953,869; Apr. 3.
- Sagebury, Herman F., Dayton, assignor, by mesne assignments, to Central United National Bank, Cleveland, Ohio trustee. Receipt mechanism. 1,977,016; Oct. 16.
- Sagebury, Herman F., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,957,671; May 8.
- Sadinoff, Max, Brooklyn, N. Y. Curtain or the like. Des. 92,560; June 19.
- Sadinoff, Max, Brooklyn, N. Y. Curtain or the like. Des. 93,290; Sept. 11.
- Sadinoff, Max, Brooklyn, N. Y. Curtain or the like. Des. 93,291; Sept. 11.
- Sadinoff, Max, Brooklyn, N. Y. Curtain or the like. Des. 93,292; Sept. 11.
- Sadinoff, Max, Brooklyn, N. Y. Curtain or the like. Des. 93,582; Oct. 9.
- Sadinoff, Max, Brooklyn, N. Y. Curtain fabric or the like. Des. 93,677; Oct. 23.
- Sadler, Emory W., Philadelphia, D. N. Pierce, Glenside, and M. P. Mortensen, assignors to Fox Company, Philadelphia, Pa. Combined lamp bracket and pendant. Des. 94,052; Dec. 11.
- Sadler, Harold. (See Markey, R. I., and Sadler.)
- Sadler, Seth, Birmingham, England, assignor, by mesne assignments, to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Transmission belt and method and apparatus for making the same. 1,958,069; May 8.
- Sadtler, Helena S., Erdenheim, Pa., assignor of one-half to H. N. Durham, Jackson Heights, N. Y. Loosening ice cubes. 1,980,734; Nov. 13.
- Sadtler, Samuel S., Erdenheim, Pa. Smoking tobacco. 1,985,840; Dec. 25.
- Sadtler, Samuel S., Springfield Township, Montgomery County, assignor, by mesne assignments, to C. J. Hepburn, Philadelphia, Pa. Bituminous road making composition. 1,969,904; Aug. 14.
- Sadwith, Ryan, Newark, N. J. Heat interchanger. 1,974,834; Sept. 25.
- Saeks, Alvin L., University City, assignor to The Puro Co., Inc., St. Louis, Mo. Toilet bowl deodorizer. Des. 92,428; June 5.
- Saffar, Josef, Znaim, Czechoslovakia. Educational device. 1,984,599; Dec. 18.
- Safe-Quik Products Corporation. (See Lonergan, Thomas, assignor.)
- Safety Car Heating & Lighting Company, The. (See Elmendorf, Arthur R., assignor.)
- Safety Car Heating & Lighting Company, The. (See Godsey, Frank W., Jr., assignor.)
- Safety Car Heating & Lighting Company, The. (See Hulse, G. E., and Strobell, assignors.)
- Safety Car Heating & Lighting Company, The. (See Livingston, Alan V., assignor.)
- Safety Car Heating & Lighting Company, The. (See Schepmoes, Lindsey, assignor.)
- Safety Car Heating & Lighting Company, The. (See Strobell, John D., assignor.)
- Safety Car Heating & Lighting Company, The. (See Strobell, J. D., and Hulse, assignors.)
- Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis H., assignor.)
- Safety Car Heating & Lighting Company, The. (See Von Ohlsen, L. H., and Godsey, assignors.)
- Safety Car Heating & Lighting Company, The. (See Williams, Herbert K., assignor.)
- Safety Gas Main Stopper Co. (See Peden, Hugh L., assignor.)
- Safety Grinding Wheel & Machine Company, The. (See Goering, William A., assignor.)
- Safety Grinding Wheel & Machine Company, The. (See Lanyon, Howard W., assignor.)
- Safety Grinding Wheel & Machine Company, The. (See Vance, George E., assignor.)
- Saffert, George J., New Ulm, Minn. Concrete block machine. 1,953,434; Apr. 3.
- Safir, Jacob A., Rockford, Ill. X-ray film package. 1,952,096; Mar. 27.
- Saforcada, Anibal J., Martinez, Argentina. Air suspension and shock absorber. 1,980,832; Nov. 13.
- Safford, Lafayette E., Cleveland, Ohio, assignor to Monroe Steel Castings Company, Detroit, Mich. Grate construction. 1,976,195; Oct. 9.
- Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Resinous composition. 1,975,750; Oct. 2.
- Saftien, Karl. (See Guenther, F., and Saftien.)
- Saftlas, Samuel, Brooklyn, N. Y. Knitted fabric. 1,965,607; July 10.
- Sage, Henry E., West Hartford, Conn. Safety razor. 1,959,841; May 22.
- Sager, Arthur J., and F. L. Coffman, Tiffin, Ohio. Ironing board. 1,953,831; Apr. 3.
- Sager, George F. (See Keller, F., and Sager.)
- Sager, Lawrence K. (See Russert, Otto J., assignor.)
- Sager, Solomon M., Glencoe, Ill. Fountain pen cap and section. 1,973,724; Oct. 30.
- Saginaw Manufacturing Co. (See Gilbert, Henry J., assignor.)
- Saginaw Manufacturing Co. (See Sadenwater, Charles W., assignor.)
- Sagit, Léon J., Paris, assignor to Paix & Cie, Douai, Nord, France. Apparatus for applying waterproof bands for glazing and the like. 1,953,569; Apr. 3.
- Sague, George, Oakes, N. Y., assignor to George Sague Mfg. Corp. Inserting and mailing machine. 1,960,959; May 29.
- Sague, George, Mfg. Corp. (See Sague, George, assignor.)
- Sahlberg, Rolf K. O., New York, N. Y. Beam. 1,979,642; Nov. 6.
- Sahlberg, Rolf K. O., New York, N. Y. Composite beam. 1,979,643; Nov. 6.
- Sai, Carlo, Trieste, Italy. Fruit-washing device for table use. 1,956,048; Apr. 24.
- Saller, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rug-binding attachment for sewing machines. 1,946,241; Feb. 6.
- Saller, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-handling mechanism for sewing machines. 1,960,924; May 29.
- Sainberg & Co. Inc. (See Erbsloh, Felix R., assignor.)
- Sainderichin, Nicholas. (See Follet, A., and Sainderichin.)

- St. Clair, Byron W., Lynn, Mass., assignor to General Electric Company. High voltage temperature measuring apparatus. 1,967,911; July 24.
- St. Clair, Clinton D., assignor to Erie City Iron Works, Erie, Pa. Pulverizer. 1,944,474; Jan. 23.
- St. Clair, Clinton D., assignor to Erie City Iron Works, Erie, Pa. Forming boiler headers. 1,963,337; June 19.
- St. Clair, Clinton D., and J. Eklund, assignors to Erie City Iron Works, Erie, Pa. Forming boiler headers. 1,963,338; June 19.
- St. Clair Rubber Company. (See Brockway, R. G., and Smith, assignors.)
- St. Clair Rubber Company. (See Strobel, Clarence J., assignor.)
- St. James, Robert T., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating mechanism. 1,964,185; June 26.
- St. John, Edward N., East Haven, Conn. Water heater for oil burners. 1,975,298; Oct. 2.
- St. John, Mary W., Mount Vernon, assignor to R. I. Barnett, Lyndbrook, Long Island, N. Y. Sanitary and antiseptic sputum cup. 1,941,635; Jan. 2.
- St. John, Milton W., O'Hara Township, Allegheny County, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Fertilizer. 1,951,742; Mar. 20.
- St. John, Stuart B., assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Rubber ring cutting machine. 1,942,986; Jan. 9.
- St. Joseph Iron Works. (See Giles, Eugene M., assignor.)
- St. Joseph Iron Works. (See Schmidtke, Albert H., assignor.)
- St. Joseph Lead Company. (See MacBride, Winfield B., assignor.)
- St. Joseph Lead Company. (See Weaton, George F., assignor.)
- St. Joseph Lead Company. (See Weaton, G. F., Najarian, and Dowd, assignors.)
- St. Laurent, Herbert. (See Heany, J. A., and St. Laurent.)
- St. Laurent, Herbert, New Haven, Conn., assignor to Radio Research Laboratories, Inc. Coupling system and apparatus. 1,984,499; Dec. 18.
- St. Louis Basket & Box Corporation. (See Buhrmaster, Frederick R., assignor.)
- St. Louis Carburetor Company. (See Smiley, Alfred M., assignor.)
- St. Louis Casket Company. (See Gardner, Dozier L., assignor.)
- St. Louis, George L., Plummer, Minn. Drag bucket reinforcing structure. 1,975,625; Oct. 2.
- St. Louis Structural Steel Company. (See Barnes, William F., assignor.)
- St. Louis Tire Retreading Machine Company. (See Dacon, C. H., and Stults, assignors.)
- St. Louis University, President and board of trustees of. (See Doisy, E. A., Thayer, and Veler, assignors.)
- St. Martin, Cyril J., Karnak, Ill. Saw holder. 1,954,897; Apr. 17.
- St. Martin, Cyril J., Karnak, Ill. Saw-filing machine. 1,974,882; Sept. 25.
- St. Mary's College. (See Braeg, Herman E., assignor.)
- St. Mungo Manufacturing Company of America. (See Jenness, Leslie G., assignor.)
- St. Onge, Amasa, Providence, R. I. Beater for cotton pickers. 1,956,162; Apr. 24.
- St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Transformer voltage regulating system. 1,961,801; June 5.
- St. Pierre, Henry, Worcester, Mass. Buckle. 1,962,846; June 12.
- St. Regis Paper Company. (See Dorrington, Neill E., assignor.)
- St. Regis Paper Company. (See Marsh, Esli A., assignor.)
- St. Regis Paper Company. (See Russell, John, assignor.)
- Sainte Martine, Marius, Grand Quevilly, assignor to Pape-teries Navarre, Société Anonyme, Lyon, France. Device for recovering condensation waters. 1,953,491; Apr. 3.
- Saito, Seizo, Toyonaka-cho, assignor to Kabushiki Kaisha Sumitomo Seikosho, Konohana-ku, Osaka, Japan. Brake apparatus for a wheel. 1,979,644; Nov. 6.
- Saito, Seizo, Toyonaka-cho, assignor to Kabushiki Kaisha Sumitomo Seikosho, Konohana-ku, Osaka, Japan. Brake apparatus for a wheel. 1,979,906; Nov. 6.
- Saito, Tomosaburo, Seattle, Wash. Liner plate for shoes. 1,946,591; Feb. 13.
- Sakier, George, New York, N. Y. Toothbrush receptacle. 1,952,686; Mar. 27.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candelabra or similar article. Des. 91,686; Mar. 6.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick or similar article. Des. 91,687; Mar. 6.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candelabra or similar article. Des. 91,688; Mar. 6.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl or similar article of glassware. Des. 91,909; Apr. 3.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 92,113; Apr. 24.
- Sakier, George, assignor to Schenley Products Company, New York, N. Y. Bottle. Des. 93,678; Oct. 23.
- Saklatwalla, Byramji D., H. E. Dunn, Crafton, Pa., and A. E. Marshall, Scarsdale, assignors to Southern Mineral Products Corporation, New York, N. Y. Titanium phosphate pigment and making. 1,953,777; Apr. 3.
- Saklatwalla, Byramji D., and H. E. Dunn, Crafton, Pa., assignors to Southern Mineral Products Corporation, New York, N. Y. Hydrolizing titaniferous solutions. 1,959,765; May 22.
- Saklatwalla, Byramji D., and H. E. Dunn, Crafton, Pa., and A. E. Marshall, Scarsdale, assignors to Southern Mineral Products Corporation, New York, N. Y. Sulphating titaniferous ores. 1,977,208; Oct. 16.
- Saklatwalla, Byramji D., and H. E. Dunn, Crafton, Pa., and A. E. Marshall, Scarsdale, assignors to Southern Mineral Products Corporation, New York, N. Y. Making titanium dioxide. 1,978,228; Oct. 23.
- Sakom, Daniel, Wiesbaden, assignor to firm: Aktiengesellschaft für Chemische Produkte vormals H. Scheide-mandel, Berlin, Germany. Producing glue from bones. 1,951,260; Mar. 13.
- Sakowski, John, Chicago, Ill. Putty guard and window pane holder. 1,983,246; Dec. 4.
- Saks and Company. (See De Liso, Vincent, assignor.)
- Saks and Company. (See Perugiá, André, assignor.)
- Saks, Ira, Cleveland, Ohio. Clutch or transmission plate. 1,945,382; Jan. 30.
- Sakurai, Matayasu. (See Setoguchi, K., and Sakurai.)
- Sakurai, Sueo, Koishikawa-Ku, Tokyo, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Manufacturing positive sensitized paper. 1,971,966; Aug. 28.
- Sakurai, Sueo, Koishikawa-Ku, assignor to Zaiden Hojin Rikagaku Kenkyujo, Tokyo, Japan. Positive sensitized paper. 1,983,005; Dec. 4.
- Sala, Charles J. (See Kern, J. G., and Sala.)
- Sala, Joseph, Brooklyn, N. Y. Clothesline tower. 1,974,659; Sept. 25.
- Saladow, Murray, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Shaving brush. 1,967,593; July 24.
- Salani, Ettore. (See Ferrero, M., and Salani.)
- Salaverria, José D., Salcoatitan, San Salvador. Life-saving apparatus for submarines. 1,974,434; Sept. 25.
- Salazar, Leopoldo G., New York, N. Y., assignor to The Calco Chemical Company, Inc., Bound Brook, N. J. Catalyst for use in the contact method of making sulphuric acid. 1,971,465; Aug. 28.
- Salchow, Willy, Berlin-Tempelhof, Germany. Photo-graphic apparatus. 1,941,624; Jan. 2.
- Salchow, Willy, Berlin-Tempelhof, Germany. Dark slide. 1,941,625; Jan. 2.
- Salchow, Willy, Berlin-Tempelhof, Germany. Apparatus for photographing copy. 1,972,574; Sept. 4.
- Salda, Cesare D., Bibbiano, Italy. Compensated asyn-chronous motor. 1,959,462; May 22.
- Saldich, Joseph, New York, N. Y. Sweat band. 1,944,110; Jan. 16.
- Salem Glass Works. (See Beon, Louis, assignor.)
- Salem Glass Works. (See Pawling, Henry J., assignor.)
- Salenius, Erik G. N., assignor to Missess Elise S. Salenius, Stockholm, Sweden. Device for accumulating power. 1,943,090; Jan. 9.
- Salenius, Missess Elise S. (See Salenius, Erik G. N., assignor.)
- Salge, Wilhelm, Berlin, Germany. Marine high pressure superheated steam plant. 1,962,574; June 12.
- Salge, Willy & Co., Technische Gesellschaft m. b. H. (See Sünder, August, assignor.)
- Salinger, Joseph E., Akron, Ohio. Folder or inclosure. 1,970,394; Aug. 14.
- Salisbury, Charles K., Waterloo, Iowa. Power operated tractor guide. 1,980,553; Nov. 13.
- Salisbury, Edward F. W. (See Smedley, A. B., and Salis-bury.)
- Salisbury, Edward F. W., Yonkers, assignor to Anaconda Wire & Cable Company, New York, N. Y. Pothead ter-minal. 1,977,808; Oct. 23.
- Salisbury, John R., South Orange, N. J., and J. H. Kremer, New York, N. Y. Indirect lighting lamp. 1,973,661; Sept. 11.
- Salisbury, William S., San Francisco, Calif. Locking seal for vehicle license plates. 1,944,195; Jan. 23.
- Sallop, Harry A., New York, N. Y. Automobile seat cover. 1,951,631; Mar. 20.
- Sallop, Harry A., New York, N. Y., assignor to Evr-Klean Seat Pad Company, St. Louis, Mo. Automobile seat cover. 1,962,215; June 12.
- Sallwasser, William H., Wheeling, W. Va. Rock-crushing machine. 1,946,763; Feb. 13.
- Salmen, Fred, jr., Los Angeles, Calif. One-way screw. 1,956,963; May 1.
- Salmen, Fred, jr., Los Angeles, Calif. Tent frame. 1,961,915; June 5.
- Salmon, Alvin E., Los Angeles, Calif. Finger nail enamel container and applicator. 1,945,957; Feb. 6.
- Salmon, Harry. (See Williams, E. T., and Salmon.)
- Salmon, Harry, Westminster, London, and E. T. Williams, Golders Green, London, assignors to The Expanded Metal Company, Limited, London, England. Storage battery grid. 1,982,485; Nov. 27.
- Salmon, James P., Philadelphia, Pa. Upholstery construc-tion. 1,944,614; Jan. 23.
- Salmon, Reginald D., assignor to Creed and Company, Limited, Croydon, England. Adjusting field strength in electromagnetic devices. 1,944,578; Jan. 23.

- Salmons, Arthur J. L. (See Salmons, G., and Dalby-Balls, assignor.)
- Salmons, George, and A. H. Dalby-Balls; said Dalby-Balls assignor to A. J. L. Salmons, Newport Pagnell, England. Hood fitting for motor and other vehicles. 1,950,271; Mar. 6.
- Salo, Martti. (See Fordyce, C. R., and Salo.)
- Salomon, François M. B. (See Govare, H. P., and Salomon.)
- Salomon, Irving, Chicago, Ill. Furniture. 1,955,203; Apr. 17.
- Salsman, Thomas J., assignor to Rockwell-Barnes Company, Chicago, Ill. Wound roll. 1,949,259; Feb. 27.
- Salt, Lloyd B. (See Allen, G. W., and Salt.)
- Salt Dome Oil Corporation, The. (See Neumann, F. J. G., and Haubold, assignors.)
- Salter, George, and Company Limited. (See Bache, Thomas W., assignor.)
- Salto, Salvatore, Milan, Italy. Wireless transmission system. 1,974,545; Sept. 25.
- Saltzman, Auguste L., Orange, N. J., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Winding machine. 1,955,762; Apr. 24.
- Saltzman, Auguste L., Orange, N. J., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Winding machine. 1,955,763; Apr. 24.
- Saltzman, Auguste L., Orange, N. J., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Winding machine. 1,955,764; Apr. 24.
- Salvati, Carlo, Brooklyn, N. Y. Electrical connector. 1,944,697; Jan. 23.
- Salvetti, Casimir. (See Rembert, J., and Salvetti.)
- Salyer, Raymond. (See Young, J. W., Salyer, and Bryan.)
- Salvio, Salvatore R., New York, N. Y. Dental impression form. 1,979,493; Nov. 6.
- Salzberg, Bernard, New York, N. Y., assignor to Radio Corporation of America. Phototube. 1,980,702; Nov. 13.
- Salzberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating chemical compounds. 1,944,274; Jan. 23.
- Salzberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic-metallic protective agent. 1,965,608; July 10.
- Salzberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous metal compounds. 1,980,441; Nov. 13.
- Salzberg, Paul L., and F. M. Meigs, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Parasiticides and mothproofing. 1,955,891; Apr. 24.
- Salzberg, Paul L., and E. W. Bousquet, Wilmington, Del., assignors, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Lauryl thiocyanate. 1,963,100; June 19.
- Salzbrenner, Rudolf, Mulheim-Ruhr, Germany. Limit sliding gauge. 1,969,624; Aug. 7.
- Salzer, Gottfried, West Hartford, Conn., assignor to R. Hoe & Co., Inc., New York, N. Y. Irving Trust Company, receiver. Tension for paper rolls. 1,959,445; May 22.
- Salzgeber, Gustave A., Dorchester, Mass. Compass. 1,973,728; Sept. 18.
- Salzman, George S. (See Palm, J. V. O., and Salzman.)
- Samad, Omin, Cincinnati, Ohio. Safety circuit opening device for automobiles. 1,950,194; Mar. 6.
- Samaras, Stephen, and L. Ravizza, assignors to R. W. Dalziel, Oakland, Calif. Automatic display apparatus. 1,945,571; Feb. 6.
- Samburg, Maurice, Brooklyn, assignor to Lock Patents Holding Corporation, New York, N. Y. Lock. 1,942,454; Jan. 9.
- Samcoe Holding Corporation. (See Baker, Harry L., assignor.)
- Samiran, David, Dayton, Ohio. Filter and fluid segregator assembly. 1,971,353; Aug. 28.
- Samiran, David, Dayton, Ohio, assignor of one-half to Phillips Melville. Fluid segregator. 1,948,543; Feb. 27.
- Samiran, David, assignor of one-half to P. Melville, Langley Field, Hampton, Va. Fluid segregator. Re19,227; June 26.
- Sammartino & Sanchirico Company. (See Johnson, Sylvester A., assignor.)
- Sammons, Edward C., assignor to Iron Fireman Manufacturing Company, Portland, Ore. Casing for coal burning stokers. Des. 91,502; Feb. 13.
- Sampair, Guy B. (See Foley, E. H., and Sampair.)
- Samphere, Orin C., West Allis, Wis. Fountain pen filler and stand. 1,978,959; Oct. 30.
- Sample, Fleck W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Tool for applying seal caps. 1,951,491; Mar. 20.
- Sample, Warren M., and O. O. Langdon, Muncie, Ind. Liquid dispenser. 1,947,310; Feb. 13.
- Sampson, Charles H., assignor to Sampson Pennagraph Company, Inc., Rochester, N. Y. Printing machine. 1,961,644; June 5.
- Sampson, Charles H., assignor to Sampson Permagraph Co., Inc., Rochester, N. Y. Keyboard mechanism. 1,983,099; Dec. 4.
- Sampson, Harry L. (See Blake, Charles C., assignor.)
- Sampson, John C. (See Werber, P. J., and Sampson.)
- Sampson, John H., assignor to Bendix Brake Company, Chicago, Ill. Automobile brake. 1,966,138; July 10.
- Sampson Pennagraph Company. (See Sampson, Charles H., assignor.)
- Sampson, Susan C. E. (See Sampson, Thomas H., assignor.)
- Sampson, Thomas H., Helena, Ark., deceased; Whitney Trust & Savings Bank and W. C. Ermon, executors, assignors to S. C. E. Sampson. Treating sweet-gum woods and the like. 1,953,193; Apr. 3.
- Samson, Jonas J., Chicago, Ill. Obtaining directional control on a current relay. 1,985,299; Dec. 25.
- Samson, Joseph O., Quebec, Quebec, Canada. Anchoring post. 1,955,389; Apr. 17.
- Samson-United Corporation. (See MacSweeney, Joseph P., assignor.)
- Samson-United Corporation. (See Samuels, Abe O., assignor.)
- Samstag, Louis A., New York, N. Y. Closure for containers and the like. 1,955,835; Apr. 24.
- Samuel, George. (See Samuel, Samuel and G.)
- Samuel, Leo, Irvington, N. J. Liquid cooling apparatus. 1,985,263; Dec. 25.
- Samuel, Norman M., Toronto, Ontario, Canada. Ham boiler. 1,981,075; Nov. 20.
- Samuel, Samuel and G., Worcester, Mass. Shoe last attachment. 1,959,502; May 22.
- Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Wetproof heating pad construction. 1,950,124; Mar. 6.
- Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Coffee maker. Des. 94,164; Dec. 25.
- Samuels, Albert, San Francisco, Calif. Wedding ring. Des. 92,561; June 19.
- Samuels, Albert, San Francisco, Calif. Wedding ring. Des. 93,423; Sept. 25.
- Samuels, George B., Burlington, Kans. Stock rack. 1,946,000; Feb. 6.
- Samuels, Julian G., St. Louis, Mo. Shoe or article of analogous nature. Des. 94,165; Dec. 25.
- Samuels, Julian G., St. Louis, Mo. Shoe or article of analogous nature. Des. 94,166; Dec. 25.
- Samuels, Julian G., St. Louis, Mo. Shoe or article of analogous nature. Des. 94,167; Dec. 25.
- Samuels Shoe Company. (See Benenati, Frank, assignor.)
- Samuels Shoe Company. (See Yunker, John C., assignor.)
- Samuelson, Theodore E., assignor to The John Gabel Manufacturing Company, Chicago, Ill. Cabinet for phonographs or the like. Des. 93,851; Nov. 13.
- Samuelson, Theodore E., assignor to The John Gabel Manufacturing Company, Chicago, Ill. Cabinet for phonographs or the like. Des. 93,852; Nov. 13.
- Samways, Alfred G., Providence, R. I. Combination tool. 1,953,690; Apr. 3.
- San, Joseph H., et al. (See Friend, Herman, assignor.)
- Sanborn, Frederick, jr. (See Eickhoff, T. H., Sanborn, and Drissner.)
- Sanborn, John R., Bethlehem, Pa., assignor to Roller-Smith Company. Circuit breaker. 1,961,573; June 5.
- Sanchez-Vello, Leopoldo, Nogent-sur-Marne, France, assignor to Maatschappij tot Beheer en Exploitatie van Oetrolen, The Hague, Netherlands. Prevention of air bubbles in glass. 1,975,737; Oct. 2.
- Sand, Per. (See Lawson, L. L., and Sand.)
- Sand, Siegmund, and J. Ritter, jr., assignors to Hartman Trunk Company, Racine, Wis. Hand luggage. 1,975,294; Oct. 2.
- Sandberg, Albert C., Lafayette, Ind. Device for hanging radiators. 1,981,427; Nov. 20.
- Sandberg, David E., and E. Sandberg, Minneapolis, Minn. Receptacle holder. 1,947,879; Feb. 20.
- Sandberg, Egnar. (See Sandberg, David E. and E.)
- Sandberg, Ray A. (See Gottlieb, O. F., and Sandberg.)
- Sandberg, Ray A., Waukegan, Ill., assignor to Oakes Products Corporation, Detroit, Mich. Handle grip for levers. 1,980,703; Nov. 13.
- Sandborn, Lloyd T. (See Lawson, W. E., and Sandborn.)
- Sandbrook, Arthur, Newton, Mass. Screen holder. 1,945,572; Feb. 6.
- Sandeen, Ernest C., St. Paul, Minn. Disk harrow. 1,944,275; Jan. 23.
- Sandell, Edward W., Los Angeles, Calif. Protractor. 1,944,812; Jan. 23.
- Sandell, Ossian W., Stockholm, assignor to Aktiebolaget Mo Och Domsjö Wallboard Company, Ornskoldsvik, Sweden. Hard product and making same. 1,953,832; Apr. 3.
- Sandelowsky, Sally, Hennigsdorf, and K. Belling, Berlin, Germany, assignors to General Electric Company. Arc welding. 1,963,868; June 19.
- Sandelowsky, Sally, Hennigsdorf, and K. Belling, Berlin, Germany, assignors to General Electric Company. Arc welding. 1,963,869; June 19.
- Sandeman, Edward K., and F. G. Filby, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Voice operated switching. 1,945,082; Jan. 30.
- Sandeman, Edward K., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud speaker. 1,984,550; Dec. 18.
- Sander, Ernst, Berlin-Charlottenburg, Germany. Thermophoric composition. 1,971,660; Aug. 28.
- Sander, Louis J., Buffalo, N. Y. Dual back water valve. 1,969,427; Aug. 7.

- Sander, Ludwig, Frankfort-on-the-Main, and S. Gassner, Leverkusen, Germany. 2-hydroxyanthracene-3-carboxylic acid and preparing it. 1,976,145; Oct. 9.
- Sander, Wilhelm, assignor to Firm Th. Goldschmidt A.-G., Essen-Ruhr, Germany. Improving aluminogenetic iron. 1,942,004; Jan. 2.
- Sanders, Arthur F., Dursley, and J. W. Howlett, Lymington, assignors of one-third to R. A. Lister & Company Limited, Dursley, England. Making piston rings. 1,954,714; Apr. 10.
- Sanders, Carl H., and W. G. Ransom, assignors of one-half to Cook & Ransom, Ottawa, Kans. Dump cart. 1,973,107; Sept. 11.
- Sanders, Frank G., Chicago, Ill. Motor commutator cleaner. 1,962,412; June 12.
- Sanders, Fred. (See Simmons, F., and Dinger, assignors.)
- Sanders, Gilbert B., St. Louis, Mo. Tire rim. 1,953,267; Apr. 3.
- Sanders, Jos. M., jr., trustee. (See Read, Earle S., assignor.)
- Sanders, Leon. (See Seidel, Morris, assignor.)
- Sanders, Louise D., administratrix. (See Sanders, Walter M.)
- Sanders, Marshall T., Wilmington, Del., and R. A. Hales, Passaic, N. J., assignors to Atlas Powder Company, Wilmington, Del. Simultaneously spinning, twisting, and purifying rayon. 1,951,845; Mar. 20.
- Sanders, Paul J., Maplewood, N. J. Display device. 1,960,553; May 29.
- Sanders, Paul J., Maplewood, N. J. Display apparatus. 1,967,843; July 24.
- Sanders, Rudolph M., assignor to Adartcraft, Inc., New York, N. Y. Assembling machine. 1,982,454; Nov. 27.
- Sanders, Rufus C. (See Webb, E. F., and Sanders.)
- Sanders, Vernon H., assignor to Stackpole Carbon Company, St. Marys, Pa. Electric furnace. 1,969,478; Aug. 7.
- Sanders, Walter M., deceased, by L. D. Sanders, administratrix, Montclair, N. J., assignor, by mesne assignments, to Kalunite Company. Manufacturing alumina. 1,948,887; Feb. 27.
- Sanders, Walter M., deceased, Montclair, N. J., by L. D. Sanders, administratrix, assignor, by mesne assignments, to Kalunite Company. Manufacturing alumina. 1,948,888; Feb. 27.
- Sanders, Walter M., deceased, by L. D. Sanders, Montclair, N. J., administratrix, assignor, by mesne assignments, to Kalunite Company. Manufacturing alumina hydrate and valuable sulphates from compounds of alumina. 1,951,443; Mar. 20.
- Sanders, Wilbur E. (See Gerlach, C. A., and Sanders.)
- Sanderson, Ray R., Orrville, Ohio. Drill bit. 1,969,040; Aug. 7.
- Sanderson, William B., assignor, by mesne assignments, to The Humidi-Cooler Corporation, West Haven, Conn. Refrigerating unit. 1,975,066; Sept. 25.
- Sandford, Dent, Toledo, Ohio. Refrigerator deck pan. 1,967,518; July 24.
- San Diego Consolidated Gas and Electric Company. (See Goldkamp, Otto B., assignor.)
- San Diego Fruit and Produce Company. (See Matthews, H., Warntjes, Arthurs, and Wilkinson.)
- Sandin, Jerome, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Expulsion fuse. 1,944,762; Jan. 23.
- Sandler, Louis. (See Leis, C. H., and Sandler.)
- Sandlin, James W., Humble, Tex. Valve mechanism. 1,942,616; Jan. 9.
- Sandman, Edgar F., Willoughby, Ohio. Windshield wiper. 1,947,803; Feb. 20.
- Sandmann, Henry B., jr. (See Aman, F. A., and Sandmann.)
- Sando, Joseph B., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for cleaning fabrics. 1,947,174; Feb. 13.
- Sandor, Joseph, Stamford, Conn. Weather and lock door strip. 1,974,253; Sept. 18.
- Sands, Charles C., Cleveland, Ohio, assignor to Zenith-Detroit Corporation, Detroit, Mich. Carburetor. 1,948,135; Feb. 20.
- Sands, Henry F., Warwick, R. I. Soap bar. 1,979,411; Nov. 6.
- Sands, Howard J., et al. (See Strohofer, Kenneth W., assignor.)
- Sands, Jesse L., New Martinsville, assignor of one-half to P. L. McCarty, Fairmont, W. Va. Battery terminal connection. 1,943,190; Jan. 9.
- Sands, John J., Fremont, Nebr. Beet topper. 1,951,444; Mar. 20.
- Sands, John W. (See French, H. J., and Sands.)
- Sand Spun Patents Corporation. (See Barr, C. D., and Moxley, assignors.)
- Sand Spun Patents Corporation. (See Barr, C. D., Moxley, and Cooper, assignors.)
- Sand Spun Patents Corporation. (See Moore, W. D., and Morgan, assignors.)
- Sandstrom, Oscar, Waukegan, Ill. Amusement device. 1,977,739; Oct. 23.
- Sandura Company. (See Baldwin, Julian T., assignor.)
- Sandvik, Otto. (See Mees, C. E. K., and Sandvik.)
- Sanfilippo, Gaetano, East Chicago, Ind. Automobile and truck towing mechanism. 1,975,435; Oct. 2.
- Sanford, Baalis, assignor to Norton Company, Worcester, Mass. Abrasive wheel and making the same. 1,981,970; Nov. 27.
- Sanford, Bert J., assignor to Bendix Aviation Corporation, South Bend, Ind. Vehicle. 1,967,432; July 24.
- Sanford, Carleton R. (See Hickman, K. C. D., and Sanford.)
- Sanford, Frank W., and F. G. Marbach, assignors to K. Gund, Cleveland, Ohio. Meat-tendering machine. 1,979,494; Nov. 6.
- Sanford, Harry E., Toledo, Ohio. Cage perch. 1,961,171; June 5.
- Sanford, Henry, New York, N. Y. Garment hanger. 1,943,745; Jan. 16.
- Sanford, Hugh W., Knoxville, Tenn. Mine-car brake. 1,947,361; Feb. 13.
- Sanford, Hugh W., Knoxville, Tenn. Railroad car. 1,972,831; Sept. 4.
- Sanford, Hugh W., Knoxville, and F. H. Thomas, Greenville, assignors to Program Clock, Inc., Knoxville, Tenn. Program clock. Des. 92,041; Apr. 17.
- Sanford Investment Company. (See Stow, Audley H., assignor.)
- Sanford, John W., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor. 1,979,286; Nov. 6.
- Sanford Manufacturing Co. (See Carpenter, William W. S., assignor.)
- Sanford Mills. (See Clark, Frank W., assignor.)
- Sanford Mills. (See Emery, G. G., Knowlton, and Bennett, assignors.)
- Sanford Mills. (See Spendlove, Robert, assignor.)
- Sanford Mills. (See Spring, Walter M., assignor.)
- Sanford, Philip H. (See Chase, H. C., and Sanford.)
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company. Brake mechanism. Re19,040; Jan. 2.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,943,841; Jan. 16.
- Sanford, Roy S., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,943,842; Jan. 16.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,946,036; Feb. 6.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,947,880; Feb. 20.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,954,538; Apr. 10.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,954,539; Apr. 10.
- Sanford, Roy S., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,954,540; Apr. 10.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,961,830; June 5.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,961,831; June 5.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,964,181; June 26.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,966,139; July 10.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,966,140; July 10.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,972,203; Sept. 4.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,982,832; Dec. 4.
- Sanford, Roy S., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Declutching mechanism. 1,985,428; Dec. 25.
- Sanford, Selden B., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Elevator signal system and switching mechanism. 1,968,427; July 31.
- Sanford, Selden B., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Switching mechanism. 1,973,893; Sept. 11.
- Sanford, William C., La Oroya, Peru. Exercising device. 1,975,020; Sept. 25.
- Sangamo Company Limited. (See Waite, G. G., and Lawrence, assignors.)
- Sangamo Electric Company. (See Holtz, Frederick C., assignor.)
- Sangdahl, Arthur E., et al. (See Keown, John M., assignor.)
- Sanger, Frank M., assignor to The Bagley and Sewall Company, Watertown, N. Y. Shaking mechanism for Fourdrinier machines. 1,946,592; Feb. 13.
- Sanger, George J., Park Ridge, Ill. Drain pipe cleaner. 1,963,561; June 19.
- Sänger, Wilhelm, Cassel, Germany. Device for cleaning the hearths of baking ovens. 1,959,307; May 15.
- Sangler, Armand, R. and H., assignors to Societe des Appareils a Timbre et a Affranchir Systeme Sanglier, Paris, France. Stamping machine. 1,965,724; July 10.
- Sangler, Henry. (See Sanglier, Armand, R., and H.)
- Sangler, René. (See Sanglier, Armand, R., and H.)
- Sangster, William, Peterborough, Ontario, Canada, assignor to De Laval Separator Company, New York, N. Y. Milk pasteurizer. 1,945,333; Jan. 30.
- Sanitary Public Service Corporation. (See Stably, William, assignor.)
- Sanitary Refrigerator Company. (See Mauthe, William, assignor.)
- Sanite Corporation. (See Whitehouse, John N., assignor.)
- Sankowsky, Nicholas A., Elizabeth, and D. H. Grant, Moorestown, N. J., assignors to Stanco Incorporated. Preparing a colorless household insecticide. 1,945,235; Jan. 30.
- Sann, Otto, Johnstown, Pa. Mine car. 1,959,599; May 22.
- Sann, Otto, Johnstown, Pa. Nail driving tool. 1,962,697; June 12.

- San Nyun, Maung, Mishimagun, Osakafu, assignor to Iwao Fuchigami, Kobe City, Japan. Apparatus for supplying ozone for internal combustion engines. 1,959,738; May 22.
- Sansbury, Theodore T., Parkersburg, W. Va. Car window screen. 1,982,455; Nov. 27.
- Sanson, Stanton D. (See Heyman, Benjamin W., assignor.)
- Santamaria, Micheline, Rochester, N. Y. Headlight. 1,966,736; July 17.
- Santarsiero, Antonio V., Bronx, N. Y. Expansive fluid turbine. 1,973,509; Sept. 11.
- Santini, Danilo, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 1,985,060; Dec. 18.
- Santos, Ernest H., et al. (See Santos, Richard P., assignor.)
- Santos, Richard P., Stockton, assignor of one-third to E. E. Tucker, and one-third to E. H. Santos, Stockton, Calif. Automatic release for emergency brakes. 1,945,083; Jan. 30.
- Santurello, Peter, Columbus, Ohio. Apparatus for waving hair. 1,978,846; Oct. 30.
- Sapio, Gaetan, assignor to Societe Satralux, Vichy, France. Signaling and advertising device. 1,971,661; Aug. 28.
- Saponoff, Lubomir P., Brooklyn, N. Y. Making floor coverings moth repellent. 1,980,598; Nov. 13.
- Saraceno, Joseph B., Bloomfield, Conn. Ball joint electrical connection. 1,944,196; Jan. 23.
- Saraceno, Joseph B., Bloomfield, Conn. Electrical appliance plug. 1,961,013; May 29.
- Saranac Machine Company. (See Dasse, Frank H., assignor.)
- Sarantos, Yoakem N., Birmingham, Ala. Fly swatter. 1,984,436; Dec. 18.
- Sarazin, Robert, Neuilly-sur-Seine, France. Electric welding with magnetic stabilization. 1,946,413; Feb. 6.
- Sarco Company, Inc. (See Adam, Thomas N., assignor.)
- Sardik Incorporated. (See Cowgill, William W., assignor.)
- Sardo, Giuseppe, Brooklyn, N. Y. Cup filling device. 1,953,833; Apr. 3.
- Sargent, Alfred, assignor to The Macintosh Cable Company Limited, Derby, England. Electric cable. 1,977,209; Oct. 16.
- Sargent, Allston, Bronxville, assignor to Campbell Metal Window Corporation, New York, N. Y. Ventilating and air treating apparatus. 1,949,379; Feb. 27.
- Sargent & Company. (See Gerard, Frank B., assignor.)
- Sargent & Company. (See Ritter, Albert W., assignor.)
- Sargent & Company. (See Smith, Irving V., assignor.)
- Sargent & Company. (See Voight, Henry G., assignor.)
- Sargent & Company. (See Weller, John H., assignor.)
- Sargent, Don A., Portland, Maine. Combined loading and transporting equipment. 1,943,398; Jan. 16.
- Sargent, Don A., Portland, Maine. Unitary mold-board-frame snowplow. 1,956,204; Apr. 24.
- Sargent, E. H., & Co. (See Miller, Charles H., assignor.)
- Sargent, Edwin, Arlington, N. J. Incinerator. 1,978,602; Oct. 30.
- Sargent, Fitz W., Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe key. 1,965,159; July 3.
- Sargent, Fitz William, Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,971,579; Aug. 28.
- Sargent & Greenleaf, Inc. (See Diesel, W. F., and Brown, assignors.)
- Sargent & Greenleaf, Inc. (See Hill, Gerrit D., assignor.)
- Sargent & Greenleaf, Inc. (See Kyte, Walter H., assignor.)
- Sargent, Helen, Glendora, Calif. Extension device. 1,964,216; June 26.
- Sargent, James A., assignor to Sharon Steel Hoop Company, Sharon, Pa. Cold rolling steel strips and product thereof. 1,960,958; May 29.
- Sargent, William D., New York, N. Y., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Speed controlled stripping mold. 1,983,146; Dec. 4.
- Sargent, William D., New York, N. Y., and W. A. Geisler, Newark, N. J., assignors, by mesne assignments, to Durafer (Inc.), Dover, Del. Centrifugal casting machine and casting. 1,978,765; Oct. 30.
- Sargent's, C. G., Sons Corporation. (See Coleman, Spencer A., assignor.)
- Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)
- Sargent's, C. G., Sons Corporation. (See Noonan, James A., assignor.)
- Sargent's, C. G., Sons Corporation. (See Wasson, Frederick E., assignor.)
- Särnmark, Axel U., Gottenborg, Sweden. Absorption refrigerating machine. 1,955,345; Apr. 17.
- Sarossy, Albert, West Orange, assignor to Layth-Grindar Corporation, Orange, N. J. Combination thread or spiral miller. 1,974,084; Sept. 18.
- Sartain, Paul J., et al. (See Braun, Géza, assignor.)
- Sass, Friedrich, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Arrangement for driving rotary compressors. 1,951,211; Mar. 13.
- Sass, Friedrich, Charlottenburg, Germany, assignor, by mesne assignments, to General Electric Company. Internal combustion engine. 1,966,223; July 10.
- Sass, Friedrich, Charlottenburg, and E. Daiber, Lichterfelde-West, Germany, assignors to General Electric Company. Bolt and nut connection. 1,978,229; Oct. 23.
- Sass, Milton G., et al. (See Chiera, Albert, assignor.)
- Sass, Oscar F., assignor to The Interior Hardwood Company Limited, Kitchener, Ontario, Canada. Theatre chair. 1,973,178; Sept. 11.
- Sassen, Bernard. (See Nenninger, L. F., and Sassen.)
- Sassen, Bernard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulic steering gear. 1,959,177; May 15.
- Sassen, Bernard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Tracer control mechanism. 1,959,178; May 15.
- Sassen, Bernard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Pattern controlled machine tool. 1,978,390; Oct. 23.
- Sassen, Bernard, and H. Ernst, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic pattern controlled milling machine. 1,978,389; Oct. 23.
- Sassenberg, Jost. (See Kurth, F. J., and Sassenberg.)
- Sassoli, Oscar, Buenos Aires, Argentina, assignor, by mesne assignments, to Aktiebolaget Gerh. Arhens Mekaniska Verkstad, Stockholm, Sweden. Machine for boxing matches. 1,978,284; Oct. 23.
- Satchwell, Leonard, Slough, England. Thermostat. 1,945,706; Feb. 6.
- Satinoff, David and S., M. Chernow, and J. B. Sherman, New York, N. Y. Radio device for operating radio receiving sets. 1,953,435; Apr. 3.
- Satinoff, Samuel. (See Satinoff, David and S., Chernow, and Sherman.)
- Satre, Hilmar, Chicago, Ill., assignor, by mesne assignments, to Spencer, White & Prentiss, Incorporated, New York, N. Y. Digging device. 1,972,165; Sept. 4.
- Satsky, Anthone G., Smithville, and P. Lastovica, Flatonia, Tex. Manure distributor. 1,944,847; Jan. 23.
- Satterfield, Everett, et al. (See Guyle, Henry G., assignor.)
- Satterthwait, Charles S., Kenilworth, Pa. Pad for toy train tracks. 1,969,279; Aug. 7.
- Sattley Company. (See Bock, Alfred C. O., assignor.)
- Satz, Edouard F., New York, N. Y. Dispensing cap for containers. 1,945,541; Apr. 10.
- Saucier, Dewey P. (See Ballard, J. R., and Saucier.)
- Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Binder support for sewing machines. 1,949,332; Feb. 27.
- Sauer, Hans, assignor to firm Carl Zeiss, Jena, Germany. Polarization photometer. 1,959,549; May 22.
- Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Marine lamp. 1,950,696; Mar. 13.
- Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Rear-vision-mirror bracket. 1,972,246; Sept. 4.
- Sauer, Henry W., South Euclid, assignor to The Ohio Electric Mfg. Co., Cleveland, Ohio. Magnetic toy. 1,945,383; Jan. 30.
- Sauer, Howard A., assignor to Eastman Kodak Company, Rochester, N. Y. Light-tight film magazine. 1,954,328; Apr. 10.
- Sauer, Louis E. (See West, H. B., and Sauer.)
- Sauer, Louis E., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ventilating means for reactance coils. 1,955,313; Apr. 17.
- Sauer, Louis E., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ventilating means for electrical windings. 1,984,996; Dec. 18.
- Sauer, Louis J., Oak Park, Ill., assignor, by mesne assignments, to M. G. Joy. Copying machine. 1,960,031; May 22.
- Sauer, Louis J., Oak Park, Ill., assignor, by mesne assignments, to M. G. Joy. Duplicating machine. 1,962,671; June 12.
- Sauer, Louis J., Oak Park, Ill., assignor, by mesne assignments, to M. G. Joy. Duplicator carriage construction. 1,965,810; July 10.
- Sauer, Oskar, Philadelphia, Pa. Weaving. 1,942,152; Jan. 2.
- Sauer, Oskar, Philadelphia, Pa. Knitted fabric. 1,981,471; Nov. 20.
- Sauerhoff, Charles W., Baltimore, Md. Wick for thermally responsive elements. 1,984,946; Dec. 18.
- Saureman, Ernest W., assignor to Transo Envelope Co., Chicago, Ill. Manufacture of one-piece window envelope blanks. 1,951,445; Mar. 20.
- Saugman, Hartvig P., Glendale, Calif. Ejector. 1,972,955; Sept. 11.
- Saugues, Edmond, Long Island City, N. Y. Shoe. Des. 93,853; Nov. 13.
- Saul, William F., Westmont, N. J. Coil winding machine. 1,975,620; Oct. 2.
- Saule, Antonio, et al. (See Hank, Luther V., assignor.)
- Saunders, Aaron A., Brockton, Mass. Attaching means for cleats. 1,949,333; Feb. 27.
- Saunders, Charles W. (See Choates, H. J., and Saunders.)
- Saunders, Clarence E., Florence, S. C. Massage tool. 1,953,436; Apr. 3.
- Saunders, Fred. (See Kraus, J. L., 2d, and Saunders.)
- Saunders, James A., et al. (See Benroth, Julius S., assignor.)

- Saunders, John W., Chicago, Ill. Receptacle for napkins and straws. Des. 93,893; Nov. 20.
- Saunders, Kenneth H., Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Manufacture of leuco indigo. 1,978,820; Oct. 30.
- Saunders, Norman H., Homewood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,957,672; May 8.
- Saunders, Norman H., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,971,505; Aug. 28.
- Saunders, Paul, Auburn, assignor of one-half to H. M. Booth, Worcester, Mass. Illuminated paper supporting device. 1,978,553; Oct. 30.
- Saunders, Philip K., Montreal, Quebec, Canada. Diaphragm valve. Re19,151; May 1.
- Saunders, Philip K., Montreal, Quebec, Canada. Diaphragm valve. 1,978,603; Oct. 30.
- Saunders, Philip K., London, England. Two-stroke cycle internal-combustion engine. 1,984,288; Dec. 11.
- Saunders, Tunis, and J. Castline, assignors of one-third to said Saunders, one-third to said Castline, and one-third to M. Bernstein, Paterson, N. J. Folding wringer. 1,948,009; Feb. 20.
- Saunders, Walter S., assignor to The American Forging and Socket Company, Pontiac, Mich. Adjustable visor. 1,942,663; Jan. 9.
- Saunders, Walter S., assignor to The American Forging and Socket Company, Pontiac, Mich. Upholstered seat construction. 1,951,674; Mar. 20.
- Saunders, Walter S., and T. A. McGregor, assignors to The American Forging and Socket Company, Pontiac, Mich. Brake actuating lever. 1,983,192; Dec. 4.
- Saunders, William, Baldwin, N. Y. Printing plate and preparing same. 1,975,867; Oct. 9.
- Saurebrey, Alexis, Pittsburgh, Pa. Gate construction. 1,942,617; Jan. 9.
- Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber shock and vibration insulator. 1,948,476; Feb. 20.
- Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient motor support. 1,959,969; May 22.
- Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient mounting. 1,977,896; Oct. 23.
- Saureschutz, Gesellschaft m. b. H. (See Möhring, Erich, assignor.)
- Saureschutz Gesellschaft mit beschränkter Haftung. (See Wirth, Johann K., assignor.)
- Saurwein, Albert G. (See Graubner, H. G., and Saurwein.)
- Saurwein, Karl. (See Ulrich, H., and Saurwein.)
- Saussard, Louis, Paris, France, assignor to Societe Anonyme pour tous Appareillages Mecaniques, Levallois Perret, France. Pump. 1,944,648; Jan. 23.
- Sauter, Ernst. (See Schlack, P., and Sauter.)
- Savage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,964,333; June 26.
- Savage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,983,193; Dec. 4.
- Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Piston head seal for hydraulic brake mechanism. 1,964,745; July 3.
- Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Fluid compressor for aircraft brakes. 1,978,437; Oct. 30.
- Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Combined brake housing and wheel. 1,982,698; Dec. 4.
- Savage, Basil H., assignor to Savage Research Corporation, San Diego, Calif. Safety razor blade sharpener. 1,972,954; Sept. 11.
- Savage, Edward S., Rochester, N. Y. Electric cooker. 1,955,026; Apr. 17.
- Savage, Edward S., Rochester, N. Y. Whirling toy. 1,963,001; June 12.
- Savage, John L. (See Kinzie, P. A., Savage, and France.)
- Savage, Joseph. (See Booth, W. E., and Savage.)
- Savage, Joseph, assignor to The Castner Kellner Alkali Company Limited, Runcorn, England. Degreasing metallic articles. 1,961,867; June 5.
- Savage, Joseph, Runcorn, F. Hold, Weybridge, and R. Thomas, Stockton-on-Tees, England, assignors to Imperial Chemical Industries, Limited. Insecticide. 1,981,926; Nov. 27.
- Savage Research Corporation. (See Savage, Basil H., assignor.)
- Savage, W. J., Company. (See Chapman, Kenneth J., assignor.)
- Savell, Jacob F., and H. Feige, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Swinging-tray conveyor. 1,963,314; June 19.
- Savell, Walter L., Forest Hills, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Redning petroleum oil. 1,945,121; Jan. 30.
- Savidge, Evan P., Los Angeles, Calif. Aircraft. 1,980,002; Nov. 6.
- Savino, Michele, West New York, N. J. Ballet slipper. 1,953,659; Apr. 3.
- Savory, Florence, Chelsea, Mass. Educational game. 1,980,637; Nov. 13.
- Savoy, Jack, Glenmora, La. Barber chair. 1,964,217; June 26.
- Savy, Robert, assignor to Anciens Etablissements A. Savy Jeanjean & Cie, Courbevoie, Seine, France, and Baker Perkins, Limited, London, England. Method and apparatus for vibrating. 1,968,711; July 31.
- Sawada, Kinnosuke, Osaka, Japan. Solar ray therapeutic apparatus. 1,952,945; Mar. 27.
- Sawatzky, Henry S. (See Janzen, F. A., and Sawatzky.)
- Sawatzky, Henry S., assignor of one-half to Frank A. Janzen, Newton, Kans. Emergency-brake release. 1,951,212; Mar. 13.
- Sawatzky, Henry S., assignor of one-half to F. A. Janzen, Newton, Kans. Emergency brake release. 1,977,597; Oct. 16.
- Sawhill, James M., Dallas, Tex., and G. A. Mead, assignors to The Ohio Brass Company, Mansfield, Ohio. Welding rod. 1,980,229; Nov. 13.
- Sawin, Emily J., administratrix. (See Sawin, Lester M., assignor.)
- Sawin, Kenneth A., Cambridge, assignor to Wheeler Reflector Company, Boston, Mass. Electric light fixture. 1,960,854; May 29.
- Sawin, Lester M., Chicago, Ill. Display cabinet. Des. 91,966; Apr. 10.
- Sawin, Lester M., Chicago, Ill. Package wrapper and package formed therewith. 1,947,618; Feb. 20.
- Sawin, Lester M., deceased; E. J. Sawin, administratrix, assignor to The Susu Nut Company, Chicago, Ill. Combined display case and tray. Des. 93,636; Oct. 16.
- Sawin, Lester M., deceased; E. J. Sawin, administratrix, assignor to The Susu Nut Company, Chicago, Ill. Apparatus for treating nut meats. 1,982,073; Nov. 27.
- Sawmiller, Luke F., Syracuse, N. Y., assignor to James A. Banister Co. Inc., Newark, N. J. Combination arch and forepart reinforcement for shoes. 1,952,687; Mar. 27.
- Sawtelle, Charles A. and A. A. Darmstaetter, assignors to S. and D. Engineering Company, Detroit, Mich. Brake assembly. 1,950,572; Mar. 13.
- Sawtelle, Edmund M., New York, N. Y., assignor to Vacuum Seal Company, Inc. Container and spring clamp therefor. 1,963,101; June 19.
- Sawyer, Albert F., assignor to I. L. Keith, Haverhill, Mass. Combined refrigerator and ice cream freezer. 1,948,681; Feb. 27.
- Sawyer, Eugene, Bend, Ill. Coupling for belts or the like. 1,942,836; Jan. 9.
- Sawyer, Le Roy, Chicago, Ill. Carburetor choke. 1,955,204; Apr. 17.
- Sawyer, Marion E., Seattle, Wash. Hydraulic feed electric drill. 1,977,490; Oct. 16.
- Sawyer Manufacturing Company. (See Brown, Clarence L., assignor.)
- Sawyer, Rene C., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Automatic coffee percolator. 1,976,196; Oct. 9.
- Sawyer, Richard V., assignor to H. Kirkham, receiver of The Colson Company, Elyria, Ohio. Velocipede. Des. 92,114; Apr. 24.
- Sawyer, Tine. (See Brown, James H., assignor.)
- Saxby, Robert N., assignor to Automatic Electric Company Limited, Liverpool, England. Ticket issuing machine for totalizers. 1,983,247; Dec. 4.
- Saxby, Robert N., and S. R. Smith, assignors to Automatic Electric Company Limited, Liverpool, England. Totalizer ticket issuing machine. 1,960,798; May 29.
- Saxe, Arthur C., assignor to The Jaeger Machine Company, Columbus, Ohio. Sand strainer for pumps. 1,945,824; Feb. 6.
- Saxe, Arthur C., assignor to The Jaeger Machine Company, Columbus, Ohio. Shaft seal. 1,945,825; Feb. 6.
- Sayford, Frank M. (See Palmer, D. R., and Sayford.)
- Sayford, Frank M., Co., Inc. (See Palmer, D. R., and Sayford, assignors.)
- Saxman, Harry S., Blairsville, Pa. Bathtub. 1,960,830; May 29.
- Saxmann, George, Hendersonville, N. C. Game board. Des. 91,967; Apr. 10.
- Saxon, James R., Wetumka, Okla. Pouring attachment for cans. 1,952,288; Mar. 27.
- Saxon, William, and W. Lustgarten, assignors to L. A. Capaldo, New York, N. Y. Umbrella. 1,969,821; Aug. 14.
- Saydah, Michael W., New York, N. Y. Lace cover or similar article. Des. 93,424; Sept. 25.
- Saydah, Michael W., New York, N. Y. Lace cover or similar article. Des. 93,521; Oct. 2.
- Sayler, Galen H., assignor to The Parker Pen Company, Janesville, Wis. Permanent brilliantly colored writing fluid. 1,972,395; Sept. 4.
- Sayler, John E. D., assignor to Blaw-Knox Company, Pittsburgh, Pa. Wall structure. 1,959,766; May 22.
- Sayles Biltmore Bleacheries, Inc. (See Dillingham, Perry A., assignor.)
- Sayles Biltmore Bleacheries, Inc. (See MacFarland, Robert, assignor.)
- Sayre, Dudley O., Montclair, N. J. Teat dilator. 1,957,673; May 8.
- Sayre, Frederick M. (See Curry, H. W., and Sayre.)
- Sayre, Gordon B. (See Doman, A. E., and Sayre.)
- Sayre, Gordon B., assignor to Remowen Corporation, Syracuse, N. Y. Automatic controller for internal combustion engine starters. 1,981,879; Nov. 27.

- Sayre, Gordon B., assignor to Remowen Corporation, Syracuse, N. Y. Automatic controller for internal combustion engine starters. 1,981,880; Nov. 27.
- Sayre, Judson S., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Doorlatch for cabinets and the like. Des. 92,928; July 31.
- Sayre, Judson S., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Doorlatch for cabinets and the like. Des. 92,929; July 31.
- Sayre, Judson S., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Hinge for cabinet doors and the like. Des. 92,930; July 31.
- Sayre, Judson S., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Hinge for cabinet doors and the like. Des. 92,931; July 31.
- Sayre, Ralph E., Middlesex County, N. J., assignor to American Smelting & Refining Company. Concentration of oxidized minerals. 1,972,247; Sept. 4.
- Saywell, George W. (See Monosmith, Olney B. and C. E., assignors.)
- Sbicca, Frank, S. Baroni, and U. S. J. Dungan, assignors to Sbicca-Method Shoes Incorporated, Philadelphia, Pa. Shoe machine. 1,967,973; July 24.
- Sbicca-Method Shoes Incorporated. (See Sbicca, F., Baroni, and Dunbar, assignors.)
- Scaife, Wm. B., & Sons Company. (See Randolph, Dale N., assignor.)
- Scammell Lorries Limited. (See North, O. D., and Hugh, assignors.)
- Scandling, Fredric D., Brighton, and R. L. Van de Vate, Rochester, N. Y. Seed package and display means therefor. 1,984,434; Dec. 18.
- Scandore, Nicholas, New York, N. Y. Box. 1,950,195; Mar. 6.
- Scanlan, George A., Maplewood, and C. Holzwarth, Parlin, N. J. X-ray film. 1,973,886; Sept. 18.
- Scanlan-Morris Company. (See Blashfield, Floyd A., assignor.)
- Scanlan-Morris Company. (See Blashfield, F. A., and Linde, assignors.)
- Scanlan-Morris Company. (See Hawley, George W., assignor.)
- Scarlett, Edward J., Oklahoma City, Okla. Razor blade sharpener. 1,984,764; Dec. 18.
- Scarlett, Frank M., et al. (See Browning, Artie J., assignor.)
- Scarlett, Georges B., et al. (See Rufener, H., and Eichmann, assignors.)
- Searnegie, Daniel A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Workholder. 1,944,304; Jan. 23.
- Searnegie, Daniel A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Workholder. 1,974,511; Sept. 25.
- Scarpa, Alfonso A., Brooklyn, N. Y. Folding box. 1,969,625; Aug. 7.
- Scarpa, Giuseppe, Savona, Italy. Insulation of leads to electrical condensers. 1,945,917; Feb. 6.
- Scarratt, Albert W., Kenilworth, Ill., and H. K. Reinoehl, Ft. Wayne, Ind., assignors to International Harvester Company. Spring suspension for motor trucks. 1,982,456; Nov. 27.
- Schaad, Ernest, Johannesburg, Transvaal, Union of South Africa. Balance-wheel for watches and other horological instruments. 1,951,995; Mar. 20.
- Schaad, Raymond E. (See Egloff, G., and Schaad.)
- Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,954,843; Apr. 17.
- Schaad, Theodore A., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Brush adjusting mechanism for vacuum cleaners. 1,972,796; Sept. 4.
- Schaaf, Arthur A., Lima, Ohio. Bag or casing closer and hanger. 1,977,492; Oct. 16.
- Schaaf, Ulysses G., Lima, Ohio. Inside grooving tool. 1,977,491; Oct. 16.
- Schaaff, John T., Washington, D. C., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record perforating device. 1,944,671; Jan. 23.
- Schaaff, Louis W., Weehawken, N. J. Thread guide and tension equalizer for spinning machines. 1,965,471; July 3.
- Schaake, William, Pittsburgh, Pa. Mounting device. 1,970,395; Aug. 14.
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current collector. 1,973,109; Sept. 11.
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley frog. 1,979,708; Nov. 6.
- Schaal, Earl V., assignor to Trico Products Corporation, Buffalo, N. Y. Rear view mirror. 1,972,320; Sept. 4.
- Schaanning, Kristofer H., Egersund, Norway. Safety razor appliance. 1,977,529; Oct. 16.
- Schabarum, Bruno R., assignor to The National-Superior Company, Toledo, Ohio. Valve controlling mechanism for steam engines. 1,970,433; Aug. 14.
- Schabel, Joseph. (See Hoberg, A. S., Schabel, and Schwantes.)
- Schaberle, George S., Glendive, Mont. Thermionic relay tube system. 1,960,349; May 29.
- Schachinger, Edward A., New York, N. Y. Changeable key lock. 1,967,042; July 17.
- Schacht, Clifford A., Huntington, Ind. Dish scraper. Re19,152; May 1.
- Schacht, Clifford A., Huntington, Ind. Spray head. 1,949,334; Feb. 27.
- Schacht, Clifford A., Huntington, Ind. Spray head. 1,967,784; July 24.
- Schacht, Clifford A., Huntington, Ind. Siphon strainer or the like. 1,967,785; July 24.
- Schacht, Elmer C., Troy, N. Y. Game puzzle. 1,960,216; May 22.
- Schacht Rubber Mfg. Co. (See Schacht, William J., assignor.)
- Schacht, William F., Huntington, Ind. Obstruction remover for sink drains and the like. 1,980,099; Nov. 6.
- Schacht, William J., Miami Beach, Fla., assignor to Schacht Rubber Mfg. Co., Huntington, Ind. Heel. Des. 94,097; Dec. 18.
- Schachter, Nathan, Chicago, Ill. Faucet. 1,985,382; Dec. 25.
- Schack, Alfred. (See Pohl, H., and Schack.)
- Schack, Alfred, Dusseldorf-Oberkassel, Germany. Heat exchanger. 1,974,876; Sept. 25.
- Schack, Alfred, Dusseldorf-Oberkassel, assignor to Rekuperator, Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Heat exchanger. 1,961,792; June 5.
- Schack, Alfred, Dusseldorf-Oberkassel, assignor to Rekuperator, Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Recupercator. 1,983,194; Dec. 4.
- Schade, Carlisle. (See Tressler, D. K., and Schade.)
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose leaf book and manufacture. 1,983,883; Dec. 11.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 1,954,265; Apr. 10.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf binder. 1,954,494; Apr. 10.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Paper fastener. 1,961,985; June 5.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 1,974,754; Sept. 25.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Post binder for loose leaf sheets. 1,983,779; Dec. 11.
- Schade, John A. (See Bridgeman, W. A., and Schade.)
- Schade, Paul F., assignor to Chemieprodukte G. m. b. H., Berlin, Germany. Packing and making same. 1,961,675; June 5.
- Schade, Ralph J., Mount Lebanon, Pa. Furnace door frame. 1,946,295; Feb. 6.
- Schaefer, Adolph O., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Food chopper. 1,952,946; Mar. 27.
- Schaefer, Adolph O., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Window ventilator or draft shield. 1,967,974; July 24.
- Schaefer, Arthur P. (See Phillips, M. M., and Schaefer.)
- Schaefer, August G., assignor to General Plate Company, Attleboro, Mass. Thermostat. 1,950,906; Mar. 13.
- Schaefer, Carl A., jr., assignor to The Buckeye Incubator Manufacturing Company, Springfield, Ohio. Incubator. 1,968,355; July 31.
- Schaefer, Edward J., Fort Wayne, Ind., assignor to General Electric Company. Adjustable speed split phase motor. 1,961,793; June 5.
- Schaefer, Frank, Kalamazoo, Mich. Flatiron. 1,962,940; June 12.
- Schaefer, Frederic, Pittsburgh, Pa. Brake hanger. 1,942,777; Jan. 9.
- Schaefer, Frederic, Pittsburgh, Pa. Connecting rod. 1,947,278; Feb. 13.
- Schaefer, Frederic, Pittsburgh, Pa. Producing brake hangers. 1,964,601; June 26.
- Schaefer, J. Victor, Detroit, Mich. Method and apparatus for producing grinding wheels. 1,970,772; Aug. 21.
- Schaefer, Jacob, Peru, Ind. Sliding door. 1,950,037; Mar. 6.
- Schaefer, Josef, Dortmund, Germany. Regenerative oven. 1,943,558; Jan. 16.
- Schaefer, Josef, Dortmund, Germany. Regenerative coke oven with vertical heating flues. 1,967,975; July 24.
- Schaefer, Josef, assignor to "Mias" Muehlenbau und Industrie Aktiengesellschaft, Brunswick, Germany. Breveting pan. 1,951,996; Mar. 20.
- Schaefer, Louis M., assignor to C. G. Conn. Ltd., Elkhart, Ind. Wind musical instrument. 1,984,704; Dec. 18.
- Schaefer, Timothy A., Winegar, Wis. Thermostatic switch. 1,942,664; Jan. 9.
- Schaeffer, Elmer R., Crestwood, N. Y., assignor to The Philip Carey Manufacturing Company. Structure such as tank roofs. 1,974,314; Sept. 18.
- Schaeffer, Elmer R., Crestwood, N. Y., assignor to The Philip Carey Manufacturing Company. Lighting protection for storage tanks. 1,974,315; Sept. 18.
- Schaeffer, Elmer R., Crestwood, N. Y., assignor to The Philip Carey Manufacturing Company. Protecting composition for materials and making and applying the same. 1,976,807; Oct. 16.
- Schaeffer, Elmer R., New York, N. Y., assignor to the Philip Carey Manufacturing Company. Structure, such as tank roof. 1,984,551; Dec. 18.
- Schaeffer, John, assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Grain drill. 1,944,672; Jan. 23.

- Schaeffer, John, assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Cultivator. 1,984,705; Dec. 18.
- Schaeffer, Merle E., Warren, Ohio. Radiocontrol. 1,965,615; July 3.
- Schaeffelin, Karl, Bern, Switzerland. Press for molding stereotype matrices. 1,974,899; Sept. 25.
- Schaeffelin, Karl, Bern, Switzerland. Drive of machines for casting stereotype plates. 1,983,814; Dec. 11.
- Schaeffelin, Walter, Wilkensburg, and E. Frisch, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Time limit contactor. 1,979,709; Nov. 6.
- Schaer, Charles, Langenthal, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Cylinder of two-stroke internal combustion engines. 1,960,597; May 29.
- Schaer, Charles, Langenthal, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Control apparatus for vehicles of the Diesel electric type. 1,977,407; Oct. 16.
- Schaeren, Ernst, Solothurn, Switzerland. Control valve for fuel pumps. 1,958,410; May 15.
- Schaeren, Ernst, Solothurn, Switzerland. Fuel injection device for internal combustion engines. 1,968,961; Aug. 7.
- Schachen, Ernst, assignor to Scintilla Aktiengesellschaft, Solothurn, Switzerland. Plunger pump. 1,963,679; June 19.
- Schafer, Conrad B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for use in the cutting of laminated glass. 1,985,520; Dec. 25.
- Schafer, Frank, Duluth, Minn. Match discharge and transfer mechanism. 1,962,788; June 12.
- Schafer, Frank, Duluth, Minn. Machine for making paper or card matches. 1,971,992; Aug. 28.
- Schäfer, Josef, assignor to the firm "J. R. Geigy, S. A.", Basel, Switzerland. Tanning animal hides. 1,972,797; Sept. 4.
- Schäfer, Josef, assignor to the firm "J. R. Geigy, S. A.", Basel, Switzerland. Tanning animal hides. 1,972,798; Sept. 4.
- Schäfer, Joseph, Dortmund, Germany, assignor to Compagnie Generale de Distillation et Cokefaction a Basse Temperature et Miniere (Intertruss) Societe Anonyme, Glaris, Switzerland. Retort oven for low-temperature carbonization. 1,975,621; Oct. 2.
- Schafer, Lewis H., Mechanicville, N. Y. Window screen for automobiles. 1,942,776; Jan. 9.
- Schafer, Robert A., assignor to The National Automatic Tool Company, Richmond, Ind. Gear pump and motor control mechanism. 1,946,503; Feb. 13.
- Schafer, Robert A., assignor to The National Automatic Tool Company, Richmond, Ind. Trip mechanism for hydraulically controlled gear unit. 1,947,311; Feb. 13.
- Schafer, Robert A., assignor to The National Automatic Tool Company, Richmond, Ind. Hydraulic circuit back pressure control. 1,972,462; Sept. 4.
- Schafer, Robert A., assignor to The National Automatic Tool Company, Richmond, Ind. Dual control for hydraulic transmission. 1,979,710; Nov. 6.
- Schäfer, Wilhelm, and W. Mertens, assignors to Erz- und Kohle-Flotation Gesellschaft mit beschränkter Haftung, Bochum, Germany. Flotation process. 1,944,529; Jan. 23.
- Schäffer, Adolf, Veliki-Beckerek, Yugoslavia. Pneumatic shoe. 1,942,883; Jan. 9.
- Schaffer Belts, Inc. (See Muller, Robert, assignor.)
- Schaffer, Jacob M., and F. W. Tilley, Washington, D. C. Parasticide. 1,950,818; Mar. 13.
- Schaffer, Paul S. (See Haller, H. L. J., and Schaffer.)
- Schaffer, Samuel, Bronx, N. Y. Hat. Des. 92,932; July 31.
- Schäffer, Walter, Berlin, Germany, assignor to Radio Corporation of America, New York, N. Y. Connection for the operation of high frequency amplification systems. 1,956,964; May 1.
- Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Joist structure. 1,951,810; Mar. 20.
- Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Composite beam structure. 1,951,811; Mar. 20.
- Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Underscreen window operator. 1,967,481; July 24.
- Schaffert, Adolf H., Youngstown, Ohio, and H. E. Van Voorhees, Detroit, Mich., assignors to Truscon Steel Company, Youngstown, Ohio. Sash operating mechanism. 1,982,269; Nov. 27.
- Schaffner-Glössl, Konrad, Vienna, Austria. Electromagnetic spark ignition apparatus. 1,974,490; Sept. 25.
- Schaffner, George H., Detroit, assignor to Peerless Novelty Company, Grand Haven, Mich. Antiglare device. 1,944,468; Jan. 23.
- Schagerholm, Harold. (See Mosfelt, H. T., and Schagerholm.)
- Schaille, John H., Catonsville, Md. Plant and vine training device. 1,974,367; Sept. 18.
- Schake, Louis W., South Euclid, and C. C. Peck, Cleveland, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Cable marking machine. 1,958,717; May 15.
- Schalch, Jacques, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Reacting olefins with carbon monoxide. 1,973,662; Sept. 11.
- Schaljo, Fred, and J. Miller, Detroit, Mich. Freezer for mechanically operated refrigerating units. 1,974,512; Sept. 25.
- Schallcross, Herbert L., Philadelphia, Pa. Typewriter ribbon and the like. 1,946,363; Feb. 6.
- Schallenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Socket. 1,949,358; Feb. 27.
- Schaller, Johannes, Schmolln, Germany. Orthopedic shoe. 1,960,418; May 29.
- Schaller, William H. (See Beach, H., and Schaller.)
- Schallis, Charles A., Lincoln Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Automatic toaster. 1,979,845; Nov. 6.
- Schambach, Hugo, and F. H. Müller, Crefeld, assignors to the firm Durkopp-Werke A.-G., Bielefeld, Germany. Process and apparatus for copying photographs. 1,984,898; Dec. 18.
- Schander, Paul, Elkins Park, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Twister. 1,957,000; May 1.
- Schank, Harry E., assignor to McCord Radiator & Mfg. Company, Detroit, Mich. Radiator core. 1,978,604; Oct. 30.
- Schank, Harry E., and P. R. Seemiller, assignors to McCord Radiator & Mfg. Co., Detroit, Mich. Radiator core. 1,982,931; Dec. 4.
- Schapira, Carl. (See von Arco, G., and Schapira.)
- Schapiro, Georg, Berlin, Germany. Method of and machine for producing bundled small wood. 1,985,462; Dec. 25.
- Schapp, Adelbert J. D., San Francisco, and J. H. Gartner, San Anselmo, Calif. Convertible dishwashing dinner table. 1,952,568; Mar. 27.
- Schar, Robert. (See Tseng, A. T. K., Kempel, and Schar.)
- Schärer-Nussbaumer & Co. (See Zindel, Ernst, assignor.)
- Scharf, Frank W., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill. Support for electrical resistance elements. 1,951,846; Mar. 20.
- Schargorodsky, Lazar, assignor to the firm Hannoversche Maschinenbau-Aktien-Gesellschaft vormals Georg Egestorff, (Hanomag), Hanover-Linden, Germany. Filtering the fuel supplied to the injector nozzles of internal combustion engines. 1,964,218; June 26.
- Scharin, Alfred, Brooklyn, N. Y. Necktie. 1,959,801; May 22.
- Schario, Edwin J., Canton, Ohio. Shield for piling bricks. Re19,121; Mar. 27.
- Scharschu, Charles A. (See Kiefer, G. C., and Scharschu.)
- Scharschu, Charles A., Brackenridge, Pa., assignor to Allegheny Steel Company. Applying inorganic insulation to electrical sheets. 1,951,039; Mar. 13.
- Scharschu, Charles A., Brackenridge, Pa., assignor to Allegheny Steel Company. Inorganic insulation for electrical sheets. 1,982,179; Nov. 27.
- Schatt, Charles, Brussels, Belgium. Hammer operating with a variation in atmospheric pressure. 1,968,962; Aug. 7.
- Schatz, Karl, Peekskill, N. Y. Meat apportioning machine. 1,963,718; June 19.
- Schaub, Eugene J., Corona, N. Y. Film reel. 1,946,764; Feb. 13.
- Schauer, Harry A., Wauwatosa, Wis. Apparatus for forming or coining metal objects. 1,965,670; July 10.
- Schauer, Lawrence L., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Oakley, Ohio. Indefinite multiple spindle head for drilling machines. 1,945,084; Jan. 30.
- Schauer, Lawrence L., and A. M. Sosa, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Cam controlled multispindle machine. 1,967,689; July 24.
- Schauer, Lawrence L., and A. M. Sosa, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Centralized hydraulic control for radial drills. 1,975,589; Oct. 2.
- Schäufelberger, William F., Maplewood, N. J., assignor, by mesne assignments, to The Harvel Corporation. Removing the shells of cashew nuts. 1,954,650; Apr. 10.
- Schaul, Martin, assignor to Novopan Studiengesellschaft Zur Herstellung besserer und billigeren Brotes m. b. H., Frankfurt-on-the-Main, Germany. Machine for making dough from cereals or the like. 1,946,001; Feb. 6.
- Schaulin, George M., Akron, assignor to Robinson Clay Products Company, Mogadore, Ohio. Wall coping. 1,972,819; Sept. 4.
- Schaum, Carl, Wyncote, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Machine control. 1,971,466; Aug. 28.
- Schaum, Otto W., Philadelphia, Pa. Bolster. 1,951,847; Mar. 20.
- Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Spindle swing for twisting machines. 1,980,358; Nov. 13.
- Schaus, Arthur, Paris, France, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Counter-current leaching process. 1,957,182; May 1.
- Schauseil, Albert P. (See Condon, R. S., and Schauseil.)
- Schauss, John A., Norwalk, assignor to E. P. Farrell, Toledo, Ohio. Adjustable chair. 1,970,577; Aug. 21.
- Schauweker, William K., Cleveland, Ohio, assignor to All Metal Products Company, Wyandotte, Mich. Toy automobile hoist. 1,870,341; Aug. 14.
- Schavoir, Frederick H., Stamford, Conn. Eye device for figure toys. 1,981,333; Nov. 20.

- Scheerer, Sam D. (See Jirousek, Joseph F., assignor.)
- Schebera, Ernst, assignor to Fleetwood Body Corporation, Detroit, Mich. Roof extension for an automotive vehicle. 1,965,811; July 10.
- Scheckler, Gordon F., assignor to one-half to R. C. Zucker- man, Stockton, Calif. Dual tire wheel. 1,948,136; Feb. 20.
- Scheel, John J., Detroit, Mich. Mold for artificial stone steps. 1,984,087; Dec. 11.
- Scheele, Edwin H., assignor to M. Manischewitz Co., Inc., New York, N. Y. Bag. Des. 92,153; May 1.
- Scheele, Erich, Osterdeich, Bremen, Germany. Producing caffeine-free coffee. 1,957,358; May 1.
- Scheeler, Charles A., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y. Protective closure. 1,961,250; June 5.
- Scheer, Johan G. (See Eskilson, S. A., and Scheer.)
- Scheer, William H., Monclair, N. J., assignor to Bell Tele- phone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,979,054; Oct. 30.
- Scheffer, Victor, Budapest, Hungary. Shaving soap. 1,946,765; Feb. 13.
- Scheibe, Adolf. (See Giebe, E., and Scheibe.)
- Scheibe, Paul, Cologne-on-the-Rhine, Germany. Mangling roller. 1,944,373; Jan. 23.
- Scheibel, Kurt G., and A. A. Bohmann, assignors to Wücker, G. m. b. H., Stickautmatenfabrik, Dresden, Germany. Making hemstitched seams and the like. 1,958,207; May 8.
- Scheibell, Gordon B., Newark, N. J. Photocell compensat- ing system. Re19,245; July 17.
- Scheibell, Gordon B., Newark, N. J., assignor to Wired Radio, Inc., New York, N. Y. Sound reproducing sys- tem. 1,950,011; Mar. 6.
- Scheibell, Gordon B., Friendship Heights, Md., assignor to Wired Radio, Inc., New York, N. Y. Control system. 1,951,446; Mar. 20.
- Scheiber, Johannes, Leipzig, Germany. Castor oil de- rivative drying oil and producing the same. 1,942,778; Jan. 9.
- Scheiber, Johannes, Leipzig, Germany. Manufacture of varnishes and the like. 1,979,495; Nov. 6.
- Scheidegger, Hans R., Wannsee-Berlin, Germany, assignor to The Telerecorder Corporation, New York, N. Y. Electric long-distance indicating system. 1,958,208; May 8.
- Scheidegger, Jacques, Cumberland, Md., assignor to Cel- anese Corporation of America. Purification of organic esters of cellulose. 1,959,446; May 22.
- Scheidegger, Jakob. (See Felix, F., and Scheidegger.)
- Scheidhauer, Alfred, assignor to L. Markmiller, Frankfort- on-the-Main, Germany. Automatic feed welding and fusion cutting machine. 1,974,513; Sept. 25.
- Scheidler, Ralph R. (See Schrontz, John F., assignor.)
- Scheidt, Alfred W., Sewaren, N. J., assignor to The Elec- tric Smelting & Aluminum Company, Cleveland, Ohio. Shaping and cooling hot liquid detergents. 1,944,848; Jan. 23.
- Scheidt, Alfred W., Sewaren, N. J., and R. C. Folger, assignors to The Electric Smelting & Aluminum Com- pany, Cleveland, Ohio. Recovering alumina from aluminous silicious materials. 1,971,354; Aug. 28.
- Scheifele, Christ, Woodside, N. Y. Vehicle body. 1,954,495; Apr. 10.
- Scheifele, Frederick W., Audubon, N. J. Oil burner. 1,985,799; Dec. 25.
- Scheinberger, Emmy, et al. (See von Plawenn, A., and Kersten, assignors.)
- Scheinman, Fred W. and B. Franklin, assignors to Stand- ard Oil Company, Chicago, Ill. Counter-balance door mechanism. 1,966,934; July 17.
- Scheinfeld, Morris, Philadelphia, Pa. Motion picture pro- jector. 1,954,844; Apr. 17.
- Scheinfeld, Morris, Philadelphia, Pa. Safety device for motion picture projectors. 1,981,670; Nov. 20.
- Scheinfeld, Morris, assignor to one-half to J. Freedman, one-fourth to G. Wooler, Philadelphia, and one-fourth to E. A. Corbin, Jr., Swarthmore, Pa. Motion picture ma- chine. 1,967,594; July 24.
- Scheiss-De Fries Aktiengesellschaft. (See Vogler, Her- mann, assignor.)
- Schekunoff, Sergei A., assignor to Bell Telephone Labo- ratories, Incorporated, New York, N. Y. Mechanical vibrating element. 1,963,719; June 19.
- Schell, Charles J., assignor to Schell Leather Goods Com- pany, Cincinnati, Ohio. Flat-opening case. 1,985,521; Dec. 25.
- Schell, Harry A., Philadelphia, Pa. Automatic return paste meter. 1,949,661; Mar. 6.
- Schell, John, Dixon, Calif. Intake vacuum breaker. 1,956,657; May 1.
- Schell Leather Goods Company. (See Schell, Charles J., assignor.)
- Schell, Marie, et al. (See Colella, Louis A., assignor.)
- Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Rheostat and the like. 1,947,437; Feb. 13.
- Schellens, Christopher A., Marblehead, Mass., assignor to C-S Engineering Company, Jersey City, N. J. Locomo- tive feed water system. 1,959,929; May 22.
- Schellens, Eugene L., Ridgewood, assignor to C-S Engi- neering Company, Englewood, N. J. Hydraulically-con- trolled valve. 1,947,742; Feb. 20.
- Schellens, Eugene L., Ridgewood, assignor to C-S Engi- neering Company, Englewood, N. J. Water heater. 1,953,834; Apr. 3.
- Schellens, Eugene L., Ridgewood, assignor to C-S Engi- neering Company, Englewood, N. J. Valve operating mechanism. 1,970,628; Aug. 21.
- Schellens, Eugene L., Ridgewood, assignor to C-S Engi- neering Company, Englewood, N. J. Trailer truck for loco- motives. 1,984,088; Dec. 11.
- Schellentrager, Eugene W., Shaker Heights, Ohio. Door removing and replacing device. 1,945,085; Jan. 30.
- Scheller, Emil, Lorsbach, assignor to Deutsche Gold- und Silber-Schneide Anstalt Vormals Roessler, Frankfort-on- the-Main, Germany. Manufacture of cellulose solutions. 1,942,346; Jan. 2.
- Scheller, Ernst, assignor to firm Carl Zeiss, Jena, Ger- many. Measuring drum for screw-micrometers. 1,985,061; Dec. 18.
- Schelling, Oscar, Los Angeles, Calif. Fuel pump cut-out. 1,957,556; May 8.
- Schellmann, Max, Mannheim, assignor to I. G. Farbenin- dustrie Aktiengesellschaft, Frankfort-on-the-Main, Ger- many. Refining of cotton seed oil. 1,981,605; Nov. 20.
- Schelstede, Wilhelm. (See Schmid, Ivan P., assignor.)
- Schemmel, Robert C., Union City, Ind. Fender welt. 1,964,675; June 26.
- Schenck, August, Austin, Tex. Convertible camp stool and table. 1,949,662; Mar. 6.
- Schenck, Carl, et al. (See Heymann, Hans, assignor.)
- Schenck, Cecil R., assignor to one-half to A. J. Riffe, Bellingham, Wash. Oil cooler. 1,968,621; July 31.
- Schenck, Charles F., assignor to The Toledo General Manu- facturing Company, Toledo, Ohio. Feed mechanism for tool-carrying spindles. 1,972,359; Sept. 4.
- Schenck, George P. (See Boehmer, H. A., Schenck, and Wendeln.)
- Schenck, John F., jr., Shelby, N. C. Labeling machine. 1,974,835; Sept. 25.
- Schenck, Le Roy C., Moline, Ill., assignor to Troy Laundry Machinery Co., Inc., New York, N. Y. Lock con- struction for washing machine cylinders. 1,977,408; Oct. 16.
- Schenck, William P., Stamford, Conn., assignor to Petrole- um Heat and Power Company, New York, N. Y. Oil burning apparatus. 1,966,524; July 17.
- Schenck, William P., and J. Mazzoli, Stamford, Conn., as- signors to Petroleum Heat and Power Company, New York, N. Y. Oil burning apparatus. 1,949,260; Feb. 27.
- Schenectady Varnish Company, Inc. (See Wright, Wil- liam H., assignor.)
- Schenk, Erich, New York, N. Y. Screw driver. 1,949,763; Mar. 6.
- Schenk, Gustav. (See Kind, W., Schenk, and Busch.)
- Schenk, Tamis C., New York, assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y. Form tie. 1,970,946; Aug. 21.
- Schenkel, Moritz, Berlin-Charlottenburg, Germany, as- signor to Westinghouse Electric & Manufacturing Com- pany. Protection of controlled rectifiers. 1,947,063; Feb. 13.
- Schenkel, Moritz, Berlin-Charlottenburg, Germany, as- signor to Westinghouse Electric & Manufacturing Com- pany. Arc rectifier. 1,973,110; Sept. 11.
- Schenkel, Moritz, Berlin-Charlottenburg, Germany, as- signor to Westinghouse Electric & Manufacturing Com- pany, New York, N. Y. Changing frequencies by means of static apparatus. 1,982,324; Nov. 27.
- Schenker, Abraham S., and H. Sheer, Brooklyn, N. Y. Doorlatch. 1,942,731; Jan. 9.
- Schenley Products Company. (See Guyer, William, as- signor.)
- Schenley Products Company. (See Sakier, George, as- signor.)
- Schenley Products Company, Inc. (See Rosenstiel, Lewis S., assignor.)
- Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Illuminated sign construction. 1,944,276; Jan. 23.
- Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting fix- ture. 1,950,458; Mar. 13.
- Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting fixture. 1,955,935; Apr. 24.
- Schepmann, Wilhelm, assignor to C. Lorenz Aktiengesell- schaft, Berlin-Tempelhof, Germany. Wireless direc- tion-finder. 1,961,598; June 5.
- Schepess, Wilhelm, W. Bonrath, and K. Taube, Lever- kusen, Germany, assignors to Winthrop Chemical Com- pany, Inc., New York, N. Y. Seed immunizing medium. 1,969,857; Aug. 14.
- Schepss, Wilhelm, Leverkusen, near Cologne, and M. Hardt- mann, Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Mothproofing media. 1,975,408; Oct. 2.
- Scherer, Carl, Albany, Calif. Wall paper trimming and pasting machine. 1,983,522; Dec. 25.
- Scherer, Edward J., Pueblo, Colo. Precision tool. 1,950,819; Mar. 13.
- Scherer, Otto. (See Osswald, P., and Scherer.)
- Scherer, Robert P., Detroit, Mich. Method of and machine for making capsules. 1,970,396; Aug. 14.
- Scherer-Kahlbaum, A.-G. (See Brill, Eugen, assignor.)
- Scherer-Kahlbaum A. G. (See Butenandt, Adolf, as- signor.)

- Schering-Kahlbaum A. G. (See Dohrn, M., and Diedrich, assignors.)
- Schering-Kahlbaum, A.-G. (See Fischl, Siegfried, assignor.)
- Schering-Kahlbaum A. G. (See Meerwein, H., Ulfers, Erbe, Aichner and Klaphake.)
- Schering-Kahlbaum, A.-G. (See Rebner, Johannes, assignor.)
- Schering-Kahlbaum A. G. (See Schoeller, W., Dohrn, and Goebel, assignors.)
- Schering-Kahlbaum A.-G. (See Schoeller, W., Jordan, and Clerc, assignors.)
- Schering Kahlbaum, A. G. (See Schoeller, W., Schwenk, and Borgwardt, assignors.)
- Schering-Kahlbaum, A.-G. (See Schoeller, W., Schwenk, Borgwardt, and Aichner, assignors.)
- Schering-Kahlbaum, A. G. (See Schwenk, E., and Borgwardt, assignors.)
- Schering-Kahlbaum, A.-G. (See Ziegler, Karl, assignor.)
- Schering-Kahlbaum Aktiengesellschaft. (See Deutsch, Desider, assignor.)
- Schermack, Joseph J., Detroit, Mich. Lady's safety razor. 1,958,718; May 15.
- Schermerhorn, Eugene L., Stanton, Mich. Road scraper. 1,966,986; July 17.
- Schermerhorn, George D., Reading, Mich. Folding chair. 1,949,492; Mar. 6.
- Schermerhorn, George D., Reading, Mich. Chair seat. 1,975,622; Oct. 2.
- Schertz, Max. (See Böttger, E., and Schertz.)
- Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Maine. Staking machine. 1,947,619; Feb. 20.
- Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Maine. Dust-removing device. 1,952,144; Mar. 27.
- Scheu Products Company Limited. (See Scheu, Willis L., assignor.)
- Scheu, Willis L., assignor to Scheu Products Company Limited, Ontario, Calif. Solid fuel heater. 1,954,542; Apr. 10.
- Scheuchzer, Auguste, Renens, Switzerland. Ballast tamping machine. 1,980,704; Nov. 13.
- Scheuer, Ralph I., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drawing table. 1,953,026; Mar. 27.
- Scheuermann, Theodore, Garfield, assignor to United Piece Dye Works, Lodi, N. J. Weighting. 1,955,440; Apr. 17.
- Scheuing, Georg, and B. Walach, Nieder-Ingelheim-on-the-Rhine, Germany, assignors, by mesne assignments, to E. Bilhuber, Incorporated, Jersey City, N. J. Preparing disubstituted tetrazoles. 1,943,148; Jan. 9.
- Scheuing, Georg, and L. Winterhalder, assignors to firm of C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Making hydrogenation products of ketones of the pyridine and piperidine series. 1,980,638; Nov. 13.
- Scheurer, Wilhelm. (See Krzikalla, H., Koch, and Scheurer.)
- Scheyer, Heinz, Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Condensation product of the anthracene series and making same. 1,978,062; Oct. 23.
- Schibsted, Helge, Syracuse, assignor to The Borden Company, New York, N. Y. Can and closure therefor. 1,977,090; Oct. 16.
- Schicht, Friedrich, Dresden, Germany. Pneumatic conveyer. 1,979,176; Oct. 30.
- Schicht, Heinrich, Hucksowagen, assignor to firm: W. Ferd. Klingelberg Söhne, Remscheid-Berghausen, Germany. Automatic machine for hardening gears. 1,948,480; Feb. 20.
- Schicht, Heinrich, Hucksowagen, assignor to the firm W. Ferd. Klingelberg Söhne, Remscheid, Berghausen, Germany. Automatic indexing device. 1,966,314; July 10.
- Schicht, Heinrich, Hucksowagen, assignor to the Firm W. Ferd. Klingelberg Söhne, Remscheid, Berghausen, Germany. Method of and device for producing conjugate worm gears. 1,980,554; Nov. 13.
- Schichtel, Georg, Dobriach on Millstättersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Alloy. 1,975,375; Oct. 2.
- Schichtel, Georg, Dobriach on Millstättersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Alloy. 1,975,376; Oct. 2.
- Schick Dry Shaver, Inc. (See Schick, Jacob, assignor.)
- Schick, Harvey W., Chicago, Ill. Building construction. 1,949,220; Feb. 27.
- Schick, Jacob, Sound Beach, Conn., assignor to Schick Dry Shaver, Inc. Driving mechanism for motor vehicles. 1,952,228; Mar. 27.
- Schick, Jacob, Sound Beach, Conn., assignor, by mesne assignments, to Schick, Limited. Electric motor. 1,971,506; Aug. 28.
- Schick, Jacob, Sound Beach, Conn., assignor to Schick Dry Shaver, Inc. Engine. 1,973,887; Sept. 18.
- Schick, Limited. (See Schick, Jacob, assignor.)
- Schiechel, Maximilian, Frankfurt-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Decolorizing heavy spar. 1,941,626; Jan. 2.
- Schieferstein, Georg H., Berlin, Germany. Device for balancing the action of forces and inertia. 1,973,510; Sept. 11.
- Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Driving gear with automatically alternating transmission. 1,974,514; Sept. 25.
- Schieferstein, Georg H., Berlin, Germany. Transmitting energy in oscillatory form. 1,976,978; Oct. 9.
- Schieffer, Albert F., assignor to The Fuller-Warren Company, Milwaukee, Wis. Combination heater and gas or electric range. 1,955,149; Apr. 17.
- Schieler, Harry H., assignor of one-half to L. Young, Weiser, Idaho. Friction power transmission for vehicles. 1,979,122; Oct. 30.
- Schiemer, George, Parma, Idaho. Combination lock bolt. 1,942,259; Jan. 2.
- Schier, Mayer B. A., New York, N. Y. Auditory insert. 1,953,437; Apr. 3.
- Schieren, George A., Great Neck, N. Y. Cementing belts. 1,971,697; Aug. 28.
- Schieren, Harrie V., Montclair, N. J. Apparatus for producing designs. 1,944,111; Jan. 16.
- Schierholz, George G., El Cajon, Calif. Feed guide for platen presses. 1,949,944; Mar. 6.
- Schless-Defries Aktiengesellschaft. (See Vogler, Herman, assignor.)
- Schiesser, Clara J., Minneapolis, Minn. Clothesline tightener. 1,972,321; Sept. 4.
- Schiff, Harry. (See Harrell, John W., assignor.)
- Schiff, Henry T., Chicago, Ill. Lighter. Des. 91,637; Feb. 27.
- Schiff, Henry T., Chicago, Ill. Combined cigarette lighter and ash tray. Des. 91,968; Apr. 10.
- Schiff, Henry T., Chicago, Ill. Pocket lighter. Des. 92,373; May 29.
- Schiffer, Meyer J. (See Kaplan, Ben, assignor.)
- Schiffers, August, Aachen, Germany. Nap-raising, sleeking, and the like fabric dressing machine. 1,968,963; Aug. 7.
- Schiffli, Frank, Paris, France, assignor to Radio Corporation of America. Telephone transmitter and receiver. 1,955,390; Apr. 17.
- Schiffli, Frank, Hampstead, London, England, assignor to Radio Corporation of America. Marking of films. 1,962,216; June 12.
- Schiffler, Hermann J., Dusseldorf, Germany. Alloy steel. 1,942,779; Jan. 9.
- Schiffler, Hermann J., Dusseldorf, Germany. Filling material for welding scale-resisting steels containing aluminum. 1,972,667; Sept. 4.
- Schilb, Theodore W. (See Jenkins, R. L., and Schilb.)
- Schilbach, Gustav, Cannstatt, assignor to firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Device for closing filled bags. 1,979,496; Nov. 6.
- Schildman, William F., assignor to American Copper & Brass Works, Cincinnati, Ohio. Pasteurizing holder. 1,948,279; Feb. 20.
- Schildman, William F., assignor to American Copper & Brass Works, Cincinnati, Ohio. Milk processing machine. 1,948,280; Feb. 20.
- Schill, René J., Paris, France. Picture framing and the like. 1,982,143; Nov. 27.
- Schille, Anthony G., Seattle, Wash. Self adjusting ceiling plate. 1,954,845; Apr. 17.
- Schiller, Adolf, Berlin-Schöneberg, Germany. Manufacture of glassware. 1,948,682; Feb. 27.
- Schiller, Charles C., St. Petersburg, Fla. Fruit juice extractor. 1,965,910; July 10.
- Schiller, Charles C., St. Petersburg, Fla. Citrus fruit cover. 1,977,017; Oct. 16.
- Schiller, Clemens, Grantwood, N. J. Lace fabric or the like. Des. 91,595; Feb. 20.
- Schiller, Georg. (See Wietzel, G., and Schiller.)
- Schilling, George W., Philadelphia, Pa. Amusement apparatus. 1,959,040; May 15.
- Schilling, Heinrich. (See Baumann, P., Stadler, Schilling, and Bückert.)
- Schilling, Heinrich. (See Baumann, P., Tanneberger, and Schilling.)
- Schilling, Heinrich. (See Mueller-Cunradi, M., and Schilling.)
- Schilling, John M., Lima, Ohio. Crown-cap puller. 1,974,836; Sept. 25.
- Schilling, John M. and W. G., Lima, Ohio. Beverage container. Des. 94,053; Dec. 11.
- Schilling, John M. and W. G., Lima, Ohio. Refrigerator. 1,946,593; Feb. 13.
- Schilling, John M. and W. G., Lima, Ohio. Refrigerator. 1,970,947; Aug. 21.
- Schilling, Willard G. (See Schilling, John M. and W. C.)
- Schillo, Louis C., Chicago, Ill., assignor, by mesne assignments, to Asphalt Process Corporation, New York, N. Y. One-piece cutter. Re19,059; Jan. 23.
- Schiltz, Bernard P., assignor to The Foote Burt Company, Cleveland, Ohio. Broaching tool. 1,945,535; Feb. 6.
- Schiltz, Bernard P., assignor to The Foote Burt Company, Cleveland, Ohio. Apparatus for handling work pieces. 1,955,775; Apr. 24.
- Schimanek, Emil, Budapest, Hungary. Starting diesel engines. 1,959,041; May 15.
- Schimanek, Emil, Budapest, Hungary, assignor to Société du Carburateur Eberlot, Paris, France. Carburetor. 1,965,932; July 10.
- Schimmel, Harry L., assignor to Wohl Shoe Company, St. Louis, Mo. Bottle. Des. 93,679; Oct. 23.
- Schimmel, Harry L., assignor to Wohl Shoe Company, St. Louis, Mo. Bottle. Des. 93,680; Oct. 23.

- Schimmel, Fridolin, Faribault, Minn. Woodworking machine. 1,958,719; May 15.
- Schimmel, Fridolin, assignor to G. M. Schimmel, Faribault, Minn. Heating system. 1,957,616; May 8.
- Schimmel, Gertrude M. (See Schimmel, Fridolin, assignor.)
- Schimmelfeng, Jean, Chicago, Ill. Attachable shelf. Des. 93,944; Nov. 27.
- Schimmelschmidt, Kurt. (See Zahn, K., and Schimmelschmidt.)
- Schindler & Cie. (See Güttinger, Oskar, assignor.)
- Schindler, H., & Co., Inc. (See Hamburger, W. J., and Thayer, assignors.)
- Schinke, Albert. (See Smith, E. R., and Schinke.)
- Schinze, Otto, Cassel, Germany. Card-filing folder. 1,974,515; Sept. 25.
- Schipper, John F., Miami, Fla. Foot treating device. 1,962,971; June 12.
- Schipper, Pieter W., Jr., Alpine, N. J. Overspeed transmission mechanism. 1,957,359; May 1.
- Schipper, Rachel, et al. (See Guyle, Henry G., assignor.)
- Schirm, Erik, Dessau, Germany, assignor, by mesne assignments, to Unichem Chemikalien Handels A.-G., Zurich, Switzerland. Production of sulphonic acids. 1,966,187; July 10.
- Schirmacher, Theodor J. C., Oakland, Calif. Coat and hat hook. Des. 93,637; Oct. 16.
- Schiska, Paul J. (See Harrold, Frederick, assignor.)
- Schiske, Rudolf, Vienna, Austria. Liquid level gauge. 1,945,203; Jan. 30.
- Schisler, Frank J., Minneapolis, Minn. Fountain pen (piston type). 1,954,266; Apr. 10.
- Schissel, Emanuel, Bronx, N. Y. Bracelet. Des. 94,054; Dec. 11.
- Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Bus body. 1,953,991; Apr. 10.
- Schlaa, Friedrich im., Iserlohn, Germany. Production of ball races and the like. 1,971,083; Aug. 21.
- Schlaak, Ervin A. (See Stoner, R. V., and Schlaak.)
- Schlachter, Blanche. (See Brewer, F. A., and Schlachter.)
- Schlachter, Carl A., Rockwell City, assignor of one-half to J. E. Gustin, Fort Dodge, Iowa. Lock for revolving doors. 1,965,005; July 3.
- Schlack, Paul. (See Friedrich, A., and Schlack.)
- Schlack, Paul, Berlin-Lichtenberg, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Coloring organic products. 1,953,438; Apr. 3.
- Schlack, Paul, Berlin-Lichtenberg, and E. Sauter, Berlin-Karlshorst, assignors to Aceta G. m. b. H., Berlin-Lichtenberg, Germany. Sizing artificial silk. 1,973,998; Sept. 18.
- Schladebach, Hermann, Dessau in Anhalt, and H. Hähle, Dessau-Ziebk in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Coating preparation. 1,979,645; Nov. 6.
- Schladebach, Hermann, Dessau in Anhalt, and H. Hähle, Dessau-Ziebk in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Antirust paint. 1,983,006; Dec. 4.
- Schlaepfer, Hans A. (See Bornand, E., and Schlaepfer.)
- Schlaepfer, John J., San Francisco, Calif. Garment stay. 1,974,162; Sept. 18.
- Schlaffer, Wolfgang, et al. (See Lessnig, Johann, assignor.)
- Schlafhorst, W., & Company. (See Reiners, W., and Kahlsch, assignors.)
- Schlafman, Clifford J., Camden, N. J. Heating system device. 1,952,823; Mar. 27.
- Schlag, Felix, and A. Fuggiti, Chicago, Ill. Display form. 1,981,527; Nov. 20.
- Schlage Lock Co. (See Schlage, Walter R., assignor.)
- Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Doorlock indicator. 1,944,469; Jan. 23.
- Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Entrance doorlock. 1,944,470; Jan. 23.
- Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Doorlock. 1,971,580; Aug. 28.
- Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Doorlock for hollow metal doors. 1,981,289; Nov. 20.
- Schlappritz, Edward W., Minneapolis, Minn. Spring structure. 1,968,315; July 31.
- Schlared, Charles, assignor of one-half to Adolphus Viney, Columbus, Ohio. Antiglare device for motor vehicle headlights. 1,947,804; Feb. 20.
- Schlauch, Peter M., Detroit, Mich. Tool centering pilot. Re19,344; Oct. 16.
- Schlaver, Felix, Madrid, Spain. Axial threshing machine. 1,977,149; Oct. 16.
- Schlecht, Leo, and M. Naumann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of metal carbonyls. 1,944,849; Jan. 23.
- Schlecht, Leo, Ludwigshafen-on-the-Rhine, and A. von Nagel, Mannheim, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Production of nitrous oxide. 1,946,114; Feb. 6.
- Schlecht, Leo, Ludwigshafen-on-the-Rhine, W. Schubardt, Mannheim, and F. Dufschmid, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Welding. 1,972,463; Sept. 4.
- Schlecker, Karl, Berlin-Grünwald, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. High tension electric cable. 1,973,111; Sept. 11.
- Schledorn, Kennon T. (See Harrison, R. E. W., and Schledorn.)
- Schlegel, Carl F., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 1,982,074; Nov. 27.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 1,958,115; May 8.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Endless belt and making same. 1,967,102; July 17.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 1,978,438; Oct. 30.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Grip strap or toggle. 1,978,960; Oct. 30.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Assist grip. 1,978,961; Oct. 30.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 1,985,624; Dec. 25.
- Schlegel, Edmund B., Brooklyn, N. Y. Bathtub construction. 1,961,433; June 5.
- Schlegel Manufacturing Company, The. (See Schlegel, Carl F., assignor.)
- Schlegel Manufacturing Company, The. (See Schlegel, Charles P., assignor.)
- Schlegelmilch, Ralph B., Flint, Mich. Toy boat. 1,943,488; Jan. 16.
- Schleh, Albert C., St. Paul, Minn. Economizer. 1,941,496; Jan. 2.
- Schleicher, George B., Clementon, N. J. Compensating meter. 1,957,232; May 1.
- Schleicher, George B., Clementon, N. J. Compensating meter. 1,957,233; May 1.
- Schleicher, Manfred, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Luminous duplicating system for the purpose of supervising electrical distributing systems. 1,983,311; Dec. 4.
- Schleicher, Manfred, Berlin-Charlottenburg, L. Brandenburger, Berlin-Halensee, and Fritz Eichler, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for the operation of a substation from a remote main station. 1,965,393; July 3.
- Schleif, Henry E., Inwood, N. Y. Oil gun. 1,979,014; Oct. 30.
- Schlemmer, Alfred. (See Antrim, W. D., and Schlemmer.)
- Schlenker, Ernst, Berlin, Germany. Approximate separation of solid and liquid fatty acids. 1,948,683; Feb. 27.
- Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Clock case. Des. 91,544; Feb. 20.
- Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Clock case. Des. 92,562; June 19.
- Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Clock case. Des. 93,522; Oct. 2.
- Schlenker, Max, La Salle, assignor to Western Clock Case Company, Peru, Ill. Clock case. Des. 93,523; Oct. 2.
- Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Clock case. Des. 93,945; Nov. 27.
- Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Alarm clock. 1,967,995; July 24.
- Schlenker, Vesper A., Orange, N. J. Dynamic sound reproducer. 1,966,564; July 17.
- Schlenstedt, Oswig, Mulheim-Ruhr-Speldorf, assignor to Hydraulic, Gesellschaft mit beschränkter Haftung, Duisburg, Germany. Metal extrusion press. 1,948,400; Feb. 20.
- Schlenz, Harry E. (See Beddoes, H., and Schlenz.)
- Schlesinger, Alfred, Berlin, Germany. Inking apparatus and operating the same. 1,980,639; Nov. 13.
- Schlesinger, Edgar E., assignor to Railway Metal Products Company, Chicago, Ill. Railway car door operating device. 1,963,152; June 19.
- Schlesinger, Georg, Berlin-Charlottenburg, Germany, assignor to Aktiengesellschaft für Holzveredlung, Zurich, Switzerland. Apparatus for manufacturing hollow bodies from ply-wood. 1,954,183; Apr. 10.
- Schlesinger, Harry, assignor of seventy-four one-hundred-and-eighty-thirds to Alfred F. Yoerg, and thirty-five one-hundred-and-eighty-thirds to Jack Goldberg, Des Moines, Iowa. Heater for electric fans. 1,951,675; Mar. 20.
- Schless, Stefan, Grodig, near Salzburg, Austria. Producing artificial wood. 1,966,997; July 17.
- Schley, James H., Jr., Alabama City, Ala. Airplane wing. Des. 94,055; Dec. 11.
- Schlichenmaier, Hans. (See Kränzlein, G., Schlichenmaier, and Schörnig.)
- Schlienz, Hans. (See Bickelhaupt, A., and Schlienz.)
- Schlimbach, August, Mainz-Kostheim, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Nuremberg, Germany. Irrigating and draining device. 1,972,496; Sept. 4.

- Schlingman, Paul F., Schenectady, N. Y., assignor to General Electric Company. Refrigerating system. 1,958,249; May 8.
- Schlingman, Paul F., Schenectady, N. Y., assignor to General Electric Company. Resin and making the same. 1,982,486; Nov. 27.
- Schlitzer, Leo J., et al. (See Popovich, Nicholas, assignor.)
- Schlitzer, Leo J., assignor of one-third to J. A. Taferner, New York, N. Y., and one-third to Nicholas Popovich, Teaneck, N. J. Artificial eyes for dolls. 1,958,865; May 15.
- Schlobohm, Ludwig, Hamburg, Germany, assignor to Doble Steam Motors Ltd., Reno, Nev. Steam power plant. 1,961,395; June 5.
- Schlobohm, Otto G., Farm, Iowa. Steering mechanism for agricultural machines. 1,965,991; July 10.
- Schloemann Aktiengesellschaft. (See Gassen, Josef, assignor.)
- Schloemann, Eduard, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic reversal development. 1,970,869; Aug. 21.
- Schlosser, Benjamin, Chicago, and P. O. Unger, Glen Ellyn, assignors to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,977,897; Oct. 23.
- Schlosser, Henry W., assignor to Moore Push-Pin Co., Philadelphia, Pa. Broom hanger. 1,971,993; Aug. 28.
- Schlossman, Norman J. (See O'Connell, D. J., Schlossman, Demuth, and Leobl.)
- Schlossman, Norman J., and J. Demuth, Chicago, Ill., assignors to The White Castle System of Eating Houses Corporation, Wichita, Kans. Building. Des. 92,495; June 12.
- Schlossman, Norman J., and J. Demuth, Chicago, Ill., assignors to The White Castle System of Eating Houses Corporation, Wichita, Kans. Building. Des. 92,496; June 12.
- Schlöter, Max, Berlin, Germany. Formation of dense, highly lustrous, and impervious deposits of nickel. 1,972,693; Sept. 4.
- Schluchter, Alfred W., Dearborn, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing metal alloy. 1,981,927; Nov. 27.
- Schlumberger, Conrad, assignor to Societe de Prospection Electrique, Paris, France. Reconnaissance of the geological formations, and especially for the study of porous strata encountered by a bore hole. 1,970,342; Aug. 14.
- Schlumberger, Conrad, assignor to Societe de Prospection Electrique, Paris, France. Process. Schlumberger, Paris, France. Electromagnetic process for surveying the deviations of drill holes. 1,980,100; Nov. 6.
- Schlumberger, Robert, assignor to Society "Nouvelle Societe de Construction, ci-devant N. Schlumberger & Cie", Guebwiller, France. Controlling and guiding device for the taller bars of gill boxes. 1,984,200; Dec. 11.
- Schlumbohm, Peter, Berlin, Germany. Color-filter-mirror. 1,951,213; Mar. 13.
- Schlumbohm, Peter, Berlin, Germany. Tinted toilet mirror. 1,951,214; Mar. 13.
- Schlumbohm, Peter, Berlin, Germany. Optical device. 1,954,184; Apr. 10.
- Schlumbohm, Peter, Berlin, Germany, assignor to The American Thermos Bottle Company, Norwich, Conn. Cooling indirectly. 1,975,868; Oct. 9.
- Schlumbohm, Peter, assignor to Centa Trading Corporation, New York, N. Y. Optical device. 1,983,312; Dec. 4.
- Schlüns, Carl, Berlin-Steglitz, assignor, by mesne assignments, to Mercedes Büro-Maschinen-Werke Aktiengesellschaft, Zella-Mehlis, Thuringia, Germany. Calculating machine. 1,947,620; Feb. 20.
- Schlüter, Firm Theodor, sen. (See Komm, Ernst, assignor.)
- Schluter, Theodor, sen. (See Komm, Ernst, assignor.)
- Schmalfluss, Hans. (See Jantzen, E., and Schmalfluss.)
- Schmaltz, Gustav. (See Hauser, F., Hübschmann, and Schmaltz.)
- Schmalz, Charles H., Ridley Park, Pa. Grinding. 1,973,511; Sept. 11.
- Schmalz, William F., Rockville, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Collapsible tube. 1,942,942; Jan. 9.
- Schmalz, William F., Rockville, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Machine for placing liners in container closures. 1,966,600; July 17.
- Schmalz, William F., Rockville, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Article of manufacture. 1,981,334; Nov. 20.
- Schmeckebier, Mary, Kirkwood, Mo. Lollipop. Des. 92,680; July 3.
- Schmeling, Max, et al. (See Gerdes, Adolf, assignor.)
- Schmelkes, Franz C. (See Baker, J. C., and Schmelkes.)
- Schmelkes, Franz C., Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. N-chloro compound and its use in sterilization. 1,958,370; May 8.
- Schmelkes, Franz C., Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Making N-chloro azo-dicarbonamides. 1,958,371; May 8.
- Schmelkes, Franz C., Bloomfield, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Supplying chlorine gas. 1,966,265; July 10.
- Schmeller Holding Company. (See Schmeller, John, sr., assignor.)
- Schmeller, John, sr., Lakewood, Ohio. Ingot. 1,950,633; Mar. 13.
- Schmeller, John, sr., Lakewood, assignor to Schmeller Holding Company, Cleveland, Ohio. Method and apparatus for metal working and product resulting therefrom. 1,947,114; Feb. 13.
- Schmeller, John, sr., Lakewood, assignor to Schmeller Holding Company, Cleveland, Ohio. Furnace for metal working. 1,952,145; Mar. 27.
- Schmelzer, Albert. (See Ballauf, F., and Schmelzer.)
- Schmelzer, Albert. (See Bergdolt, A., and Schmelzer.)
- Schmelzer, Albert. (See Schrader, G., Ballauf, and Schmelzer.)
- Schmelzer, Albert. (See Schrader, G., Schmelzer, and Ballauf.)
- Schmerler, Joseph J., New York, N. Y. Spreader for paste tubes. 1,982,833; Dec. 4.
- Schmermund, John W., St. Louis, Mo. Toy airplane train. 1,953,728; Apr. 3.
- Schmeusser, Howard W., Cincinnati, Ohio. Filter. 1,972,322; Sept. 4.
- Schmid, Albert P. (See Kranz, P., and Schmid.)
- Schmid, Anton, Stuttgart, H. Klein, Feuerbach, and A. Mattes and A. Callen, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Power transmission clutch. 1,958,070; May 8.
- Schmid, Arnold, deceased, Vienna, Austria, H. and I. Schmid, administrators, assignors to K. Schmid, Mannheim, Germany. Separating nitroglycerine from residual acids. 1,946,414; Feb. 6.
- Schmid, Arnold, deceased, Burbach, Germany, H. and I. Schmid, administrators, assignors to K. Schmid, Mannheim, Germany. Continuous separation of nitroglycerine and residuary acid. 1,946,415; Feb. 6.
- Schmid Arthur W. (See Paxton E. W., and Schmid.)
- Schmid, Carl G. (See Ray, F. B., and Schmid.)
- Schmid, Charles P., New York, N. Y., assignor to The Duplex Envelope Company, Inc. Container for church offering envelopes. Des. 91,910; Apr. 3.
- Schmid, Fred, assignor to Albert Pick Co., Inc., Chicago, Ill. Cocktail cart. Des. 92,270; May 15.
- Schmid, Fritz, Oberhausen, Germany. Manufacture of paints, enamels, etc. 1,944,813; Jan. 23.
- Schmid, Hans, et al., administrators. (See Schmid, Arnold.)
- Schmid, Irma, administrator, et al. (See Schmid, Arnold.)
- Schmid, Ivan P., assignor of one-half to W. Scheide, Leigh, Nebr. Combined automobile warning signal and trouble lamp. 1,977,356; Oct. 16.
- Schmid, Karl. (See Schmid, Arnold, assignor.)
- Schmid, Max. (See Bonhöte, G., and Schmid.)
- Schmid, Max, Nuremberg, Germany. Screwless metal constructional set. 1,974,838; Sept. 25.
- Schmid, Oscar, and W. Heitzmann, Zurich, Switzerland. Heating device for vehicles. 1,948,772; Feb. 27.
- Schmid, William, assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,961,112; May 29.
- Schmid, William, assignor to H. A. Douglas, Bronson, Mich. Swage. 1,984,234; Dec. 11.
- Schmidinger, Joseph, Long Island City, N. Y. Flasher. 1,979,349; Nov. 6.
- Schmidt, Adolph T. (See Lindemann, W. C., and Schmidt.)
- Schmidt, Adolph T. (See Lindemann, W. C., Weis, and Schmidt.)
- Schmidt, Adolph T., assignor to A. J. Lindemann, & Hoverson Company, Milwaukee, Wis. Automatic lighter and gas cut-off. 1,977,150; Oct. 16.
- Schmidt, Albert H., Kansas City, Mo. Manufacturing molasses feed. 1,945,918; Feb. 6.
- Schmidt, Albrecht, G. Balle, and K. Eisfeld, Frankfurt-on-the-Main, Germany. Ether of polyvinyl alcohol. 1,971,662; Aug. 28.
- Schmidt, Alfred. (See Carley, A., Schmidt, and Wunsch.)
- Schmidt, Alvin A., Bensenville, Ill. Old stone. 1,948,079; Feb. 20.
- Schmidt, Arthur, Stade in Hanover, and M. Deseniss, assignors, by mesne assignments, to Deutsche Tornesit-Gesellschaft m. b. H., Hamburg, Germany. Coating materials. 1,950,820; Mar. 13.
- Schmidt, August, jr., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 1,954,682; Apr. 10.
- Schmidt, Benjamin F., Los Angeles, Calif. Sandproof pump. 1,953,439; Apr. 3.
- Schmidt, Benjamin F., Los Angeles, Calif. Steering mechanism. 1,967,482; July 24.
- Schmidt, Carl A., assignor to Ashco Corporation, St. Paul, Minn. Forced draft exhaust heater for motor vehicles. 1,955,096; Apr. 17.
- Schmidt, Carl A., and A. B. Ashton, assignors to Ashco Corporation, St. Paul, Minn. Internal-combustion-engine exhaust heater. 1,946,885; Feb. 13.
- Schmidt, Christ P., Havana, Ill. Forming steel wheels. 1,973,112; Sept. 11.
- Schmidt, E. F., Company, The. (See Hall, Neal T., assignor.)
- Schmidt, Eduard, New York, N. Y. Security lock. 1,960,032; May 22.
- Schmidt, Edwin X., Whitefish Bay, and W. C. Stevens, assignors to Cutler Hammer, Inc., Milwaukee, Wis. Mercury dashpot timing device. 1,955,565; Apr. 17.

- Schmidt, Emil, assignor to Air-O-Mat Burner Company, Detroit, Mich. Fuel burner. 1,983,709; Dec. 11.
- Schmidt, Ernest H. (See Brooks, C. K., and Schmidt.)
- Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Stabilizer for car trucks. 1,942,188; Jan. 2.
- Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft gear. 1,944,953; Jan. 30.
- Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Coupler attachment for railway vehicles. 1,945,384; Jan. 30.
- Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Limited travel draft gear. 1,960,069; May 22.
- Schmidt, Folkert A., and H. H. Kramer, assignors to Stahl-Urban Company, Terre Haute, Ind. Pants turner. 1,962,878; June 12.
- Schmidt, Folkert A., and H. H. Kramer, assignors to Stahl-Urban Company, Terre Haute, Ind. Conveyor. 1,962,879; June 12.
- Schmidt, Folkert A., and H. H. Kramer, assignors to Stahl-Urban Company, Terre Haute, Ind. Manufacturing garments. 1,981,124; Nov. 20.
- Schmidt, Frank, Milwaukee, Wis. Cultivator. 1,972,716; Sept. 4.
- Schmidt, Franz, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve. 1,962,097; June 5.
- Schmidt, Fritz, Troisdorf, near Cologne-on-the-Rhine, Germany. Sound record of condensation products of polyvinyl alcohol-aldehyde condensation product. 1,956,837; May 1.
- Schmidt, Fritz, Troisdorf, near Cologne-on-the-Rhine, Germany. Hardening condensation products from phenols and aldehydes. 1,978,821; Oct. 30.
- Schmidt, Gustav E., Chicago, Ill. Friction device for exercisers. 1,975,021; Sept. 25.
- Schmidt, Gustave F., Los Angeles, Calif. Electro-therapeutic and mechanical vibratory device. 1,955,863; Apr. 24.
- Schmidt, Hans, Vohwinkel, near Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Neutral complex compound of pentavalent antimony with aliphatic hydroxy carboxylic acids and making the same. 1,975,803; Oct. 9.
- Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Arseno-stibio compounds and manufacture thereof. 1,984,765; Dec. 18.
- Schmidt, Henry A., Long Island City, N. Y. Combination safety shade holder and guide. 1,968,428; July 31.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve control mechanism. 1,968,656; July 31.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller type fluid translating apparatus. 1,971,386; Aug. 28.
- Schmidt, Hermann, Berlin-Reinickendorf, -Ost, assignor to Ernst P. Lehmann, Brandenburg, Havel, Germany. Top. 1,974,516; Sept. 25.
- Schmidt, Hermann, Berlin-Reinickendorf-Ost, assignor to E. P. Lehmann, Brandenburg/Havel, Germany. Spinning top toy. 1,985,463; Dec. 25.
- Schmidt, Hugo F., Milwaukee, Wis. Supporting rack. 1,954,846; Apr. 17.
- Schmidt, Hugo F., Milwaukee, Wis. Clutch. 1,969,993; Aug. 14.
- Schmidt, Jacob, Tracy, Calif. Terminal clamp. 1,965,712; July 10.
- Schmidt, John, et al. (See Hunkele, Edward, assignor.)
- Schmidt, John, Buffalo, N. Y., assignor to Food Machinery Corporation, San Jose, Calif. Dripless nozzle for filling machines. 1,947,535; Feb. 20.
- Schmidt, John, Buffalo, N. Y., assignor to Food Machinery Corporation, San Jose, Calif. Filling machine. 1,956,595; May 1.
- Schmidt, John, Buffalo, N. Y., assignor to Food Machinery Corporation, San Jose, Calif. Cleaner and polisher. 1,958,720; May 15.
- Schmidt, John E. (See Fink, H. A., and Schmidt.)
- Schmidt, John G., Camden, N. J. Air brush or paint spray device. 1,945,298; Jan. 30.
- Schmidt, John H., Bloomfield, and R. S. Daniels, Newark, N. J., assignors to Bakelite Corporation, New York, N. Y. Resin solution and preparing same. 1,944,867; Jan. 23.
- Schmidt, John J., assignor to The Frederick Iron & Steel Company, Frederick, Md. Kiln apparatus. 1,947,496; Feb. 20.
- Schmidt, Karl, Berlin-Lichtenrade, and K. Schöler, Berlin-Ruhleben, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Synchronous alternating current motor. 1,944,579; Jan. 23.
- Schmidt, Kurt, Elberfeld-Grenze, Germany, assignor to North American Rayon Corporation, New York, N. Y. Wet treatment of artificial silk cakes. 1,968,356; July 31.
- Schmidt, Leslie L. (See Olsen, C. A., and Schmidt.)
- Schmidt, Maximilian P., Wiesbaden-Biebrich, and G. von Poser, Wiesbaden, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Preparing copies. 1,967,371; July 24.
- Schmidt, Maurice R. (See Brunstrum, L. C., and Schmidt.)
- Schmidt, Oscar, International Corporation. (See Large, John H., assignor.)
- Schmidt, Oscar J., Wetmore, Tex. Pump. 1,957,360; May 1.
- Schmidt, Otto, Ludwigshafen-on-the-Rhine, and E. Meyer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Hydroxy-alkyl ethers of polyhydric alcohols and their production. 1,959,930; May 22.
- Schmidt, Otto W. (See Carswell, F. L., and Schmidt.)
- Schmidt, Paul, Pasadena, Calif., assignor, by mesne assignments, to Popsicle Service, Inc., Chicago, Ill. Article handling apparatus. 1,975,125; Oct. 2.
- Schmidt, Paul, Munich, Germany. Producing motive forces on aircraft, by the explosion of inflammable mixtures of substances. 1,983,405; Dec. 4.
- Schmidt, Paul S. (See Sheffin, Carl L., assignor.)
- Schmidt, Richard, Dessau in-Anhalt, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Obtaining different gradations in developing silver halide emulsion layers. 1,956,230; Apr. 24.
- Schmidt, Richard, Dessau-in-Anhalt, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Sound recording system. 1,959,739; May 22.
- Schmidt Securities Company. (See Petersen, W. F., and Hoppe, assignors.)
- Schmidt, Theodore, Galesburg, assignor to Winslow-Boiler and Engineering Company, Chicago, Ill. Electrode device. 1,945,385; Jan. 30.
- Schmidt, Thomas B., Harrisburg, Pa. Box or carton. 1,944,305; Jan. 23.
- Schmidt, Wilhelm, Erfurt, Germany. Engaging and disengaging device for presses, stamping machines, and similar machine tools. 1,956,858; May 1.
- Schmidt, Wilhelm K., Berlin, Germany. Compressor. 1,943,091; Jan. 9.
- Schmidt, Wilhelm K., Berlin, Germany. Double-swinging door. 1,972,575; Sept. 4.
- Schmidt, William D., assignor to The Heald Machine Company, Worcester, Mass. Fixture. 1,958,021; May 8.
- Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Conveyor chain. 1,944,374; Jan. 23.
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Wempe, Friedrich, assignor.)
- Schmiedel, Johannes, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Manufacture of two-part boxes. 1,943,147; Jan. 9.
- Schmiedel, William F., assignor to Deltex Rug Company, Oshkosh, Wis. Tufting attachment for sewing machines. 1,981,252; Nov. 20.
- Schmieder, Robert S., assignor to Milcor Steel Company, Milwaukee, Wis. Nailing strip. 1,963,153; June 19.
- Schmieske, Carl. (See Bauer, G., and Schmieske.)
- Schmlett, Ferdinand, Los Angeles, Calif. Hose and plant protector. 1,968,357; July 31.
- Schmlett, Ferdinand, assignor of one-third to R. S. Jacoby, Los Angeles, Calif. Planting trowel. 1,983,815; Dec. 11.
- Schmitt, Adam J., Fort Wayne, Ind. Electric controls for vehicle direction indicators. 1,981,671; Nov. 20.
- Schmitt, Arthur J., Chicago, Ill. Connecting device between lamp sockets and heating elements. 1,966,737; July 17.
- Schmitt, Charles G., Phillipsburg, N. J. Molding machine. 1,953,978; Apr. 10.
- Schmitt, Edwin H., Cincinnati, Ohio. Dial illuminating means for telephones. 1,982,457; Nov. 27.
- Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Heat sealing package. 1,945,086; Jan. 30.
- Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Loaf-slicing attachment for bread-wrapping machines. 1,951,678; Mar. 20.
- Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Sliced bread separator and conveyor. 1,964,085; June 26.
- Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Machine for wrapping rye bread. 1,984,812; Dec. 18.
- Schmitt, G. W. (See Frazier, Merton, assignor.)
- Schmitt, Hans. (See Pier, M., Winkler, and Schmitt.)
- Schmitt, Joy B. (See Brown, P. B., and Schmitt.)
- Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Liquid dispenser. 1,968,316; July 31.
- Schmitt, Otto A., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Intermittent motion transmitting device. 1,983,570; Dec. 11.
- Schmitt, Otto F. (See Schmitt, Otto H. A., assignor.)
- Schmitt, Otto H. A., assignor to O. F. Schmitt, St. Louis, Mo. Electrical system. 1,950,365; Mar. 6.
- Schmitt, Paul, Paris, France. Demountable reflector assembly. 1,968,317; July 31.
- Schmitt, Wilhelm, and G. Rothe, Ettlingen, Germany. Gear cutting machine. 1,961,396; June 5.
- Schmitt, William H., St. Paul, Minn. Window bracket. 1,942,665; Jan. 9.
- Schmitt, William H., St. Paul, Minn. Storm and screen window bracket. 1,967,595; July 24.
- Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Geared motor. 1,971,968; Aug. 28.
- Schmittgen, William A., assignor to The General Industries Company, Elyria, Ohio. Support for phonograph turntables. 1,979,350; Nov. 6.

- Schmittthener, Carlos, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Hydraulic machine. 1,957,183; May 1.
- Schmittutz, Carl. Bad-Kissingen, Germany. Impregnating wood. 1,973,394; Sept. 11.
- Schmitz, Fred A., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Drawer for filing cabinet. 1,959,066; May 15.
- Schmitz, Fritz, Waghäusel, Baden, Germany. Scissors or like cutting instrument. 1,964,676; June 26.
- Schmitz, Hermann, Cologn-Dellbrück, Germany, assignor, by mesne assignments, to American Cable Company, Inc., Bridgeport, Conn. Mechanism for manufacturing tensionless low-twist wire ropes. 1,942,218; Jan. 2.
- Schmitz-Hillebrecht, Ernst. (See Helferich, B., and Schmitz-Hillebrecht.)
- Schmitz, Paul H., and J. W. Bentley, Philadelphia, Pa. Closure for metallic containers and the like. 1,956,135; Apr. 24.
- Schmitz, Rudolf, Herne, Germany. Electric furnace. 1,942,981; Jan. 9.
- Schmohl, Alfred C., Beaver Falls, assignor, by mesne assignments, to Koppel Industrial Car and Equipment Company, McKees Rocks, Pa. Car coupler. 1,950,442; Nov. 13.
- Schmohl, Alfred C., Beaver Falls, and J. P. Anderson, assignors to Koppel Industrial Car and Equipment Company, Koppel, Pa. Car coupler. 1,969,948; Aug. 14.
- Schmutz, Oskar. (See Friedlander, B., and Schmutz.)
- Schnabel, Charles F., Kansas City, Mo. Feed. 1,942,943; Jan. 9.
- Schnabel, James F., Cleveland, Ohio. System of motor control for hoists. 1,968,174; July 31.
- Schnader, William A. (See Kenworthy, Robert R., assignor.)
- Schnaier, Milton, New York, N. Y. Food product. 1,952,688; Mar. 27.
- Schnaier, Milton, New York, N. Y. Feeding and positioning articles. 1,953,506; Apr. 3.
- Schnaier, Milton, New York, N. Y. Dispensing and positioning articles. 1,953,507; Apr. 3.
- Schnaier, Milton, New York, N. Y. Liquid filling and measuring apparatus. 1,955,441; Apr. 17.
- Schnaier, Milton, New York, N. Y. Hose clamp. 1,959,550; May 22.
- Schnaier, Milton, New York, N. Y. Stick handling mechanism. 1,966,048; July 10.
- Schnaier, Milton, New York, N. Y., assignor to The Pop-sicle Corporation of the United States. Frozen confection. 1,965,394; July 3.
- Schnaier, Milton, New York, N. Y., assignor to The Pop-sicle Corporation of the United States. Frozen confection. 1,972,799; Sept. 4.
- Schnakenberg, Henry, Honesdale, Pa. Emergency brake lever. 1,979,907; Nov. 6.
- Schnecko, Otto. (See Schwalbe, W., and Schnecko.)
- Schnee, Emil, assignor to Automatic Sterilizers Ltd., Vancouver, British Columbia, Canada. Glass and tumbler washer. 1,959,842; May 22.
- Schneevoigt, Alwin. (See Fikentscher, H., Wappes, Elflaender, Schoeller, and Schneevoigt.)
- Schneible, Valentine G., Bronx, N. Y. Permanently attached closure cap for collapsible tubes. 1,975,481; Oct. 2.
- Schneible, Frank, New York, N. Y. Apparatus for cooling beverages. 1,957,081; May 1.
- Schneible, Frank, New York, N. Y. Beverage dispensing faucet. 1,957,082; May 1.
- Schneible, Frank, New York, N. Y. Apparatus for dispensing beer and the like. 1,957,083; May 1.
- Schneider, Adam A. and H. F., Merchantville, N. J. Toothbrush holder. 1,959,600; May 22.
- Schneider, Adolf, Ridgewood, N. J. Raised printing process and product. 1,966,907; July 17.
- Schneider, Adolph P., Allentown, Pa. Head-down persuader. 1,980,101; Nov. 6.
- Schneider, Andreas, New York, N. Y., assignor of one-third to A. Miller, Jersey City, N. J. Tile composition. 1,970,921; Aug. 21.
- Schneider, Arthur, Dusseldorf, assignor to Eumuco Aktiengesellschaft für Maschinenbau, Leverkusen-Schlebusch, Germany. Drop hammer. 1,957,021; May 1.
- Schneider, Cale J., Toledo, Ohio. Food slicer. 1,961,172; June 5.
- Schneider, Charles H., Piquanock, Conn. Garage door hanger. 1,962,844; June 12.
- Schneider & Cte. (See Methlin, Nicolas E., assignor.)
- Schneider, David, and R. J. Riens, New York, N. Y. Skill rotating flasher game. 1,981,672; Nov. 20.
- Schneider, Edward J., assignor to Papendick, Inc., St. Louis, Mo. Slicing machine. 1,970,397; Aug. 14.
- Schneider, Edward J., Rock Island, Ill. Transmission. 1,981,428; Nov. 20.
- Schneider, Edwin J., Jamaica, and M. B. Bradt, Brooklyn, assignors, by mesne assignments, to General Cable Corporation, New York, N. Y. Electric conductor. 1,948,241; Feb. 20.
- Schneider, Elise G. (See Schneider, Frederick D., assignor.)
- Schneider, Emil, Philadelphia, Pa. Venting device for liquid reservoirs. 1,942,780; Jan. 9.
- Schneider, Emil, Philadelphia, Pa. Humidifier. 1,944,375; Jan. 23.
- Schneider, Emil, Mailand, Italy. Bookkeeping machine. 1,970,981; Aug. 21.
- Schneider, Emil, and K. Neukert, New York, N. Y. Sliding and swinging window. 1,964,483; June 26.
- Schneider, Ernst, Bad Kreuznach, Germany, assignor to Benjamin H. Stern, New York, N. Y. Shoe and making the same. 1,944,763; Jan. 23.
- Schneider, Eugene H., Denver, Colo. Adjustable elastic steel frame bridge. 1,961,986; June 5.
- Schneider, Ferdinand, Fulda, Germany. Clock winding mechanism. 1,958,350; May 8.
- Schneider, Fred E., Grand Junction, Colo., assignor to Schneider Lock Company. Fuel tank lock. 1,968,506; July 31.
- Schneider, Frederick D., assignor to E. G. Schneider, Hillside, N. J. Convertible furniture. 1,961,457; June 5.
- Schneider, Georg, Essen, Germany. Drinking trough for animals. 1,980,640; Nov. 13.
- Schneider, George. (See Dreyfus, C., and Schneider.)
- Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Derivative of cellulose composition and preparing the same. 1,949,434; Mar. 6.
- Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Sound record. 1,954,026; Apr. 10.
- Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Treating cellulose. 1,955,836; Apr. 24.
- Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Article comprising organic esters of cellulose. 1,963,251; June 19.
- Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Apparatus for making films, foils, and the like. 1,981,472; Nov. 20.
- Schneider, George, Montclair, A. E. Petersen, Westfield, and M. R. Ximenez, South Plainfield, N. J., assignors to Celanese Corporation of America. Molding cellulose derivative plastics. 1,972,166; Sept. 4.
- Schneider, George H., assignor to The Torrington Company, Torrington, Conn. Latch needle and making the same. 1,961,624; June 5.
- Schneider, Heinrich, Erfurt, Germany. Shoe. 1,972,249; Sept. 4.
- Schneider, Herbert F. (See Schneider, Adam A. and H. F.)
- Schneider, Herman. (See Sperti, G., Norris, Withrow, and Schneider.)
- Schneider, Hermann. (See Straub, F., and Schneider.)
- Schneider, Josef. (See Pohl, T., and Schneider.)
- Schneider, Kurt. (See Pokorny, E., and Schneider.)
- Schneider Lock Company. (See Schneider, Fred E., assignor.)
- Schneider, Louis, New York, N. Y. Button. Des. 91,969; Apr. 10.
- Schneider, Mathias J., Chicago, Ill. Abrasive structure. 1,963,154; June 19.
- Schneider, Otto, Dresden, Germany, assignor, by mesne assignments, to Marshall Van Winkle, Jr., Jersey City, N. J. Miner's lamp. 1,947,022; Feb. 13.
- Schneider, Ralph F., Jersey City, N. J. Thermometer. 1,947,175; Feb. 13.
- Schneider, Ralph F., St. Clair Shores, Mich. Electric heater. 1,968,776; July 31.
- Schneider, Reba S., Oshkosh, Wis. Skin conditioner. 1,965,861; July 10.
- Schneider, Reuben W., Alliance, Ohio. Golf bag. 1,951,492; Mar. 20.
- Schneider, Richard B. (See Richardson, R. W., and Schneider.)
- Schneider, Richard B. (See Weber, A. G., and Schneider.)
- Schneider, Rudolf, Washington, D. C. Testing device. 1,942,982; Jan. 9.
- Schneider, Samuel A., Washington, D. C. Clothes hanger. 1,979,646; Nov. 6.
- Schneider, Simon, and D. F. Murphy, Oakland, Calif. Lock for door traps and the like. 1,979,497; Nov. 6.
- Schneider, Wilhelm. (See Kubelka, P., and Schneider.)
- Schneider, Wilhelm, Dessau in Anhalt, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Manufacture of 3-hydroxyselenonaphthene. 1,949,815; Mar. 6.
- Schneider, Wilhelm, Dessau in Anhalt, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Antihalation layer. 1,971,430; Aug. 28.
- Schneider, William G. (See Ehrlich, L. B., and Schneider.)
- Schneider, Willy F., assignor to "Universelle" Cigarettenmaschine-Fabrik J. C. Müller & Company, Dresden, Germany. Preparing raw tobacco for a tobacco cutting machine. 1,943,149; Jan. 9.
- Schneider, Willy F., assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Tobacco feeding apparatus. 1,952,336; Mar. 27.
- Schneiderwirth, Herman J., New York, N. Y. 3,6 diamino 2-alkyl pyridine and producing the same. 1,979,351; Nov. 6.
- Schneider, Alfred, New Rochelle, assignor to Advance Pressure Castings, Inc., Brooklyn, N. Y. Siphon head or similar article. Des. 91,845; Mar. 27.
- Schneider, Alfred, New Rochelle, assignor to Advance Pressure Castings, Inc., Brooklyn, N. Y. Bottle or similar article. Des. 91,846; Mar. 27.
- Schnell, Steve, St. Louis, and B. Dick, Ferguson, assignors to Wagner Electric Corporation, St. Louis, Mo. Braking apparatus. 1,956,629; May 1.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Striker for latches. 1,980,295; Nov. 13.

- Schnell, William, and E. S. Carlson, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 91,300; Jan. 2.
- Schnell, William, Detroit, and J. Oswald, Lansing, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 91,789; Mar. 20.
- Schnell, William J., Berwyn, assignor to Electrical Research Laboratories, Inc., Chicago, Ill. Radio reception. 1,982,965; Dec. 4.
- Schnellbacher, Bertha C., Newark, assignor to C. W. Libby, East Orange, N. J. Knee protector. 1,969,527; Aug. 7.
- Schnellpressenfabrik Koenig & Bauer Aktiengesellschaft. (See Bolza, Albrecht, assignor.)
- Schnellpressenfabrik Koenig & Bauer Aktiengesellschaft. (See Bolza, Hans, assignor.)
- Schnellpressenfabrik Koenig & Bauer, Aktiengesellschaft. (See Fritz, Hanns, assignor.)
- "Schnellpressenfabrik Koenig & Bauer Aktiengesellschaft." (See Rapoport, Paul, assignor.)
- Schnitzer, Siegfried, Bear Creek, Md., and T. H. Huff, Montclair, N. J. assignors to General Aviation Corporation, Dundalk, Md. Fabricated structure. 1,974,665; Sept. 25.
- Schnitzler, Adolf, Zurich, assignor to Maschinenfabrik Oerlikon, Oerlikon, Switzerland. Packing for gas cooled electric machines. 1,965,671; July 10.
- Schneider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. CC-phenylethyl-N-n-propylbarbituric acid and manufacture of same. 1,960,170; May 22.
- Schneewind, Ewald. (See Kost, Hans, assignor.)
- Schmitman, Charles R., New Haven, assignor to The Beer Barrel Specialty Company, Waterbury, Conn. Beer barrel bung hammer. Des. 91,790; Mar. 20.
- Schnitzler, Eduard. (See Lammersheim, H., and Schnitzler.)
- Schnitzler, Eduard, Wolfen, near Bitterfeld, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Photographic roll-film. 1,969,858; Aug. 14.
- Schnitzspahn, Karl, Offenbach-on-the-Main, and R. Jung, Frankfurt-on-the-Main-Oberrad, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Solid stable diazoazo salts and preparing them. 1,975,409; Oct. 2.
- Schnitzspahn, Karl, and W. Koch, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azodyestuffs and fiber dyed therewith. 1,979,055; Oct. 30.
- Schnull, Gustav A. (See Davis, Dean W., assignor.)
- Schnürle, Adolf, Stuttgart-Cannstatt, and O. Elwert, Boblingen, Germany. Rotary machine. 1,968,175; July 31.
- Schober, Oskar. (See von Girssewald, C., and Schober.)
- Schober, Oskar, Horrem, near Cologne, Germany, assignor to American Lurgi Corporation, New York, N. Y. Coloring and protective coating. 1,953,508; Apr. 3.
- Schoble Hats Incorporated. (See Wolf, Julius N., assignor.)
- Schoch, Eugene P., Austin, Tex. Extracting salts from minerals. 1,952,289; Mar. 27.
- Schoch, Eugene P., Austin, Tex. Treating polyhalite with calcium carbonate. 1,956,930; May 1.
- Schock, Eugene P., Austin, Tex. Treating polyhalite. 1,981,125; Nov. 20.
- Schock, George. (See Buholzer, F. A., and Schock.)
- Schocke, James H., Oneida, N. Y. Animal trap. 1,967,179; July 17.
- Schoedinger, F. O. (See Bell, William D., assignor.)
- Schoedler, John L., Toledo, Ohio. Writing instrument holding device. Des. 91,470; Feb. 6.
- Schoeffel, Erwin G. (See Doerschuk, V. C., and Schoeffel.)
- Schoeller, Conrad. (See Fikentscher, H., Wappes, Eiflaender, Schoeller, and Schneevogt.)
- Schoeller, Conrad, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Improving fibrous materials. 1,951,712; Mar. 20.
- Schoeller, Conrad, and M. Wittwer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Assistants for the textile and related industries. 1,970,578; Aug. 21.
- Schoeller, Walter, E. Schwenk, Berlin-Westend, and E. Borgwardt, Berlin-Pankow, assignors to Schering-Kahlbaum, A. G., Berlin, Germany. Producing 3-methone. 1,946,115; Feb. 6.
- Schoeller, Walter, Berlin-Charlottenburg, Hans Jordan, Berlin-Steglitz, and R. Clerc, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Preparing of a new condensation product from meta-cresol and acetone. 1,961,397; June 5.
- Schoeller, Walter, and E. Schwenk, Berlin-Westend, E. Borgwardt, Berlin-Pankow, and F. Aichner, Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Producing aliphatic and hydro-aromatic oxides. 1,967,433; July 24.
- Schoeller, Walter, and M. Dohrn, Berlin-Westend, and H. Goebel, Berlin-Reinickendorf, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Fertilizer. 1,968,176; July 31.
- Schoellkopf Company, The. (See Schoellkopf, Jacob F., assignor.)
- Schoellkopf, Jacob F., assignor to The Schoellkopf Company, Dallas, Tex. Seat cover. 1,970,820; Aug. 21.
- Schoen, Arthur A., Woodhaven, and A. A. Blyth, Brooklyn, N. Y., assignors to Radio Corporation of America. Radio receiving system. 1,951,532; Mar. 20.
- Schoen, Arthur L. (See Dewey, H. G., and Schoen.)
- Schoenberg, Virgil A., Niles Center, Ill. Photo-electric cell output control. 1,954,329; Apr. 10.
- Schoenberg, Virgil A., Niles Center, Ill. Method and apparatus for measuring light. 1,960,169; May 22.
- Schoenberg, Virgil A., Niles Center, Ill. Tension measuring device. 1,960,224; May 22.
- Schoenberg, Virgil A., Niles Center, Ill. Viscosity meter. 1,960,225; May 22.
- Schoenberg, Virgil A., Niles Center, Ill. Torsion meter. 1,960,226; May 22.
- Schoenberg, Virgil A., assignor to Light Research Corporation, Niles Center, Ill. Testing oil. Re19,255; July 24.
- Schoenberg, Virgil A., assignor to Light Sensitive Apparatus Corporation, Niles Center, Ill. Oil tester using radio frequency. 1,960,168; May 22.
- Schoene, Kurt, Hamburg, Germany. Pump. 1,972,204; Sept. 4.
- Schoeneck, Walter G., Mokena, Ill. Coupling connection for ensilage conduits. 1,947,743; Feb. 20.
- Schoenfeld, Gustav, Great Falls, Mont. Toy. 1,984,843; Dec. 18.
- Schoenholz, Irving. (See McCabe, C. J., and Schoenholz.)
- Schoenhub, Harry E., Philadelphia, Pa. Diaphragm. 1,947,362; Feb. 13.
- Schoening, Frederick C., New York, N. Y. Dispenser. 1,974,316; Sept. 18.
- Schoening, Max, Brooklyn, N. Y. Changeable number sign. 1,967,453; July 24.
- Schoenky, August R. (See Pym, A. F., and Schoenky.)
- Schoenleber, Leonard G. (See Gray, R. B., and Schoenleber.)
- Schoenrock, Otto R., Chicago, Ill., assignor to Oliver Farm Equipment Company. Tractor construction. 1,956,253; Apr. 24.
- Schoenrock, Otto R., Chicago, Ill., assignor to Oliver Farm Equipment Company. Making a traction wheel lug. 1,967,540; July 24.
- Schoenrock, Otto R., Chicago, Ill. Making valve spring retainer locks. 1,973,227; Sept. 11.
- Schoenwerk, Otto C., Chicago, Ill., assignor to Chemipulp Process, Inc., Watertown, N. Y. Process and apparatus for digesting fibrous material. 1,943,489; Jan. 16.
- Schoepfer, Alfred C., Flint, Mich. Producing laminated glass. 1,944,277; Jan. 23.
- Schoettle, Edwin J., Philadelphia, Pa. Box construction. 1,959,277; May 15.
- Schofer, Eugen, Pforsheim, Germany. Chain mail band for articles of jewelry. 1,962,037; June 5.
- Schofer, Fred, Bronx, N. Y. Amusement device. 1,964,534; June 26.
- Schofield, John S., Macon, Ga. Cover lock. 1,973,153; Sept. 11.
- Schofield, Ralph, Billings, Mont. Dust and mud guard. 1,957,361; May 1.
- Schofield, Wilfred C., assignor to Freyn Engineering Company, Chicago, Ill. Locking cap. 1,980,003; Nov. 6.
- Scholberg, Paul, Liege, Belgium. Sporting gun. 1,982,401; Nov. 27.
- Schöler, Kurt. (See Schmidt, K., and Schöler.)
- Scholer, Walter, and W. C. Kashner, Lafayette, Ind. Sreed. 1,954,847; Apr. 17.
- Schollin, Axel R., Chicago, Ill. Tag stringing machine. 1,973,154; Sept. 11.
- Schollin, Axel R., Chicago, Ill. Intermittent drive. 1,975,126; Oct. 2.
- Scholl, Anthony J., assignor to Frigidaire Corporation, Dayton, Ohio. Making a refrigerator element. 1,955,837; Apr. 24.
- Scholl, C. M., et al. (See Wilkins, Charles L., assignor.)
- Scholl, Gustav J. (See McDonald, R. E., and Scholl.)
- Scholl, Harry S., and R. J. Donnelly, Chicago, Ill., assignors to F. H. Hill Company, Inc., Cleveland, Ohio. Casket. Des. 92,867; July 24.
- Scholl Mfg. Co., Inc., The. (See Scholl, William M., assignor.)
- Scholl, Paul, Berlin-Siemensstadt, and C. Kühnel, Berlin-Charlottenburg, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption refrigerating apparatus. 1,956,402; Apr. 24.
- Scholl, William M., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Foot comfort pad. 1,963,474; June 19.
- Scholl, William M., assignor to The Scholl Mfg. Co., Chicago, Ill. Medical pad. 1,934,158; Dec. 11.
- Scholle, Charles F., Mount Vernon, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Textile fabric. Des. 93,946; Nov. 27.
- Scholle, Charles F., Mount Vernon, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Textile fabric. Des. 93,947; Nov. 27.
- Schollhorn, Wm., Company, The. (See Heise, Arthur R., assignor.)
- Scholnick Shoe Co. (See Atkins, Thomas R., assignor.)
- Scholnick Shoe Co. (See Fishman, Jacob, assignor.)
- Scholnick Shoe Co. (See Isaacson, Leo N., assignor.)
- Scholnick Shoe Co. (See Weinstat, Samuel, assignor.)
- Scholnick Shoe Co. (See Zinit, Evelyn, assignor.)
- Scholtes, Albert J., Baltimore, Md. Double action releasing tool holder. 1,974,345; Sept. 18.

- Scholtes, Albert J., Baltimore, assignor of one-half to H. A. Uhler, Pikesville, Md. Extractor. 1,977,862; Oct. 23.
- Scholtes, Albert J., Baltimore, Md. Marking die and holder. 1,978,330; Oct. 23.
- Scholtes, Albert J., Baltimore, Md. Tube flanging tool. 1,983,407; Dec. 4.
- Scholtz, Fritz. (See Bazlen, M., Rieger, and Scholtz.)
- Scholz, Alfred M., assignor of forty per cent to P. & H. Pattern and Foundry Company, Inc., Trenton, N. J. Washer distributing mechanism. 1,953,778; Apr. 3.
- Scholz, Erich. (See Pungs, W., Eisemann, Scholz, and Kollmann.)
- Scholz, Herman A., Oak Park, assignor to United States Gypsum Company, Chicago, Ill. Water paint. 1,947,498; Feb. 20.
- Scholz, Herman A., Oak Park, Ill., and W. S. Randel, Farnams, Mass., assignors to United States Gypsum Company, Chicago, Ill. Water paint. 1,947,497; Feb. 20.
- Scholz, Paul. (See Kohl, H., and Scholz.)
- Scholz, Paul, Frankfurt-on-the-Main, Germany, assignor to Revortex Limited, London, England. Production of rubber latex concentrates. 1,980,599; Nov. 13.
- Schomburg, William H. (See Peters, W. L., Feemster, and Schomburg.)
- Schomer, Henry J., assignor to Waite Carpet Company, Oshkosh, Wis. Tufting mechanism. 1,945,536; Feb. 6.
- Schon, August L., Dallas, Tex. Extensible grille. Des. 93,049; Aug. 14.
- Schon, August L., Dallas, Tex. Extensible grille. Des. 93,050; Aug. 14.
- Schön & Cie, A. G. (See Grune, Max, assignor.)
- Schön, Karl, Würzburg, assignor to Firm Fried, Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Roller weir. 1,974,517; Sept. 25.
- Schön, Karl, Würzburg, Germany. Sluice weir. 1,985,872; Dec. 25.
- Schönburg, Curt, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Phosphoric acid ester. 1,944,530; Jan. 23.
- Schönburg, Curt, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Artificial mass. 1,982,765; Dec. 4.
- Schöneborn, Heinrich, Kettwig-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Apparatus for washing liquids insoluble in each other. 1,949,696; Mar. 6.
- Schöneborn, Heinrich, Kettwig-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Recovery of benzol and its homologues from solvents. 1,980,009; Nov. 6.
- Schönfeld, Paul, Chemnitz, Germany. Transferring device. 1,944,615; Jan. 23.
- Schönfelder, Robert, Dortmund-Eving, Germany. Sulphur separator. 1,983,313; Dec. 4.
- Schönfeldt, Nikolaus. (See Engelhardt, V., Schönfeldt.)
- Schonholtz, Jacob, D. Megar and M. A. Popiel, New York, N. Y. Watch dial construction. 1,968,712; July 31.
- Schontzner, Rudolph I., Auburn, Ind. Door support. 1,963,475; June 19.
- Schönöfer, Fritz, Elberfeld, and W. Bonrath, Leverkusen-on-the-Rhine, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Organic mercury compounds as new disinfectants. 1,967,372; July 24.
- Schonwise, Theodore H. (See Schwerin, W. A., and Schonwise.)
- Schoof, Arthur W., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring apparatus. 1,981,153; Nov. 20.
- Schoollcraft, Zeno, Rochester, Mich. Display article. 1,962,465; June 12.
- Schooley, Norman V., et al. (See Johnston, William J., assignor.)
- Schooley, William H., et al. (See Roberts, Joseph P., assignor.)
- Schoonmaker, William H., Montclair, N. J. Collar clasp. 1,942,904; Jan. 9.
- Schoonover, Earl E. (See Copeland, L. S., Rether, and Schoonover.)
- Schopper, Walter, assignor to Norddeutsche Affinerie, Hamburg, Germany. The recovery of arsenic. 1,952,290; Mar. 27.
- Schorger, Arlie W., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Making artificial zeolites. 1,949,360; Feb. 27.
- Schorger, Arlie W., assignor to Burgess Cellulose Company, Madison, Wis. Process and apparatus for drying fibrous sheets. 1,951,710; Mar. 20.
- Schorle, Herman J. (See Smith, W. A., Jr., and Schorle.)
- Schorling, George. (See Snyder, Louis M., assignor.)
- Schorn, Karl, Düsseldorf-Rath, Germany. Shearing machine. 1,960,125; May 22.
- Schörnig, Ludwig. (See Kränzlein, G., Schlichenmaier, and Schörnig.)
- Schörnig, Ludwig. (See Wolfram, A., Schörnig, and Hausdörfer.)
- Schorno, Ferdinand L., Delawanna, N. J. Automatic brake torque equalizer. 1,944,814; Jan. 23.
- Schorremans, Charles C., New York, N. Y. Automatic fuel cut-off. 1,970,475; Aug. 14.
- Schorsch & Co. Inc. (See Webber, Harold S., assignor.)
- Schossow, Frederick A., Detroit, Mich. Toilet bowl. 1,957,809; May 8.
- Schotanus & Steringa Idzerda, Hanzo H., The Hague, Netherlands. Wireless receiving system. 1,978,534; Oct. 30.
- Schott, Carl F. H., Eberstadt, near Darmstadt, Germany. Baking powder. 1,952,947; Mar. 27.
- Schott, Gustave, West Tulsa, Okla., assignor to North American Car Corporation, Chicago, Ill. Dome cover for tank cars. 1,973,228; Sept. 11.
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Coffee making apparatus or the like. Des. 92,868; July 24.
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Coffee making apparatus or the like. Des. 92,980; Aug. 7.
- Schott, Stephen W., Duquesne, Pa. Slag granulation. 1,950,932; Mar. 13.
- Schott, William P., Rockville Center, assignor to Socony-Vacuum Oil Company, New York, N. Y. Holder for posters and the like. 1,979,081; Oct. 30.
- Schötter, Karl, Linz, Austria. Pipe coupling. 1,970,059; Aug. 14.
- Schottky, Walter, Berlin-Charlottenburg, Germany. Electric fire lighting apparatus. 1,977,251; Oct. 13.
- Schottland, Michael R., Martinsville, Va. Glass-grinding machines. 1,980,932; Nov. 13.
- Schoultheis, William, Southgate, Ky., assignor to The Scripps-Howard Supply Company, Cincinnati, Ohio. Sleeve for printing press paper rolls. 1,941,495; Jan. 2.
- Schoute, Cornelius, De Bilt, near Utrecht, Netherlands, assignor to the firm of Carl Zeiss, Jena, Germany. Balloon theodolite. 1,967,541; July 24.
- Schrader, Albert, Timken, Kans. Plow. 1,969,859; Aug. 14.
- Schrader, Albert, Timken, Kans. Plow. 1,969,860; Aug. 14.
- Schrader, Ernst, Hanover, H. Windhorn, Hanover-Buchholz, and H. Meyer, Hanover-Kleefeld, Germany. Presser belt for vulcanizing machines. 1,956,545; Apr. 24.
- Schrader, Gerhard, Opladen, and A. Schmelzer and F. Ballauf, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 1,967,373; July 24.
- Schrader, Gerhard, Opladen, F. Ballauf, and A. Schmelzer, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkoxy-amino-and alkoxy-nitro-carbazoles. 1,974,518; Sept. 25.
- Schrader, Gerhard. (See Bergdolt, A., Schrader and Corell.)
- Schrader, Herbert, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y. Attaching bails to containers. 1,962,286; June 12.
- Schrader, Herbert E., Lombard, Ill. Rope and cable holder. 1,961,081; May 29.
- Schrader, Lloyd F., Ozone Park, and F. P. Hart, White-stone, assignors to Semet-Solvay Engineering Corporation, New York, N. Y. By-product coke oven. 1,947,499; Feb. 20.
- Schrader, Lloyd F., Ozone Park, and F. P. Hart, White-stone, assignors to Semet-Solvay Engineering Corporation, New York, N. Y. Coke oven. 1,947,500; Feb. 20.
- Schrader's, A., Son, Incorporated. (See Kirkpatrick, William J., assignor.)
- Schrader's, A., Son, Incorporated. (See Wahl, John, assignor.)
- Schrader's, A., Son, Incorporated. (See Williams, Selden T., assignor.)
- Schrader's, A., Son, Inc. (See Williams, S. T., and Wahl, assignors.)
- Schraeder, Frank J., Jr. (See Buettell, S. E., and Schraeder, Jr.)
- Schrag, Joseph. (See Stafford, R. S., and Schrag.)
- Schramm, Adolf P. C., New York, N. Y., assignor to Storm-King Electric Corporation. Mechanism for cleaning windshields or the like. 1,978,886; Oct. 30.
- Schramm, Albert A., Chicago, Ill. Stepladder. 1,980,004; Nov. 6.
- Schramm, August F., Jr., New York, N. Y. Electric heating unit. 1,946,886; Feb. 13.
- Schramm, Fred C., Flushing, N. Y. Carburetor. 1,942,005; Jan. 2.
- Schramm, Fred W., East Orange, N. J., assignor to American Telephone and Telegraph Company. Remote control system. 1,941,627; Jan. 2.
- Schramm, Walter H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Instrument test switch. 1,958,901; May 15.
- Schrank, Max C., Bridgeton, N. J. Garment. 1,945,451; Jan. 30.
- Schrank, Max C., Bridgeton, N. J. Underwear for women and girls. 1,983,147; Dec. 4.
- Schranz, Hubert, and J. Klose, assignors to the firm Fried, Krupp Grusonwerk Aktiengesellschaft Magdeburg-Buckau, Germany. Working up cryolite. 1,966,649; July 17.
- Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to Unichem Chemikalien Handels A.-G., Zurich, Switzerland. Washing, cleaning, emulsifying, and wetting-out agents. 1,957,674; May 8.
- Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to Unichem Chemikalien Handels A.-G., Zurich, Switzerland. Obtaining higher molecular alcohols. 1,962,941; June 12.
- Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien-Handels, A.-G., Zurich, Switzerland. Producing shoeblackings, polishing-waxes and such like. 1,974,854; Sept. 25.

- Schreck, Hans L., assignor to Treadwell Engineering Company, Easton, Pa. Rolling mill. 1,950,573; Mar. 13.
- Schreck, Hans L., assignor to Treadwell Engineering Company, Easton, Pa. Shear driving and feeding mechanism. 1,967,559; July 24.
- Schreckengost, Viktor. (See Alborn, F. G., and Schreckengost.)
- Schreckengost, Viktor, and F. G. Alborn, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,997; Dec. 4.
- Schreckengost, Viktor, and F. G. Alborn, Cleveland, Ohio, assignors to The White Motor Company, Cleveland, Ohio. Motor vehicle cab. Des. 93,998; Dec. 4.
- Schreiber, Archie L. (See Schreiber, L., and Olschlager.)
- Schreiber, Carl W. (See Soubier, Leonard D., assignor.)
- Schreiber, Ernst H., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Reversion circuit. 1,947,621; Feb. 20.
- Schreiber, Ernst H., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Electrical measuring device. 1,982,766; Dec. 4.
- Schreiber, Gustav, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Riveted plated aluminium article. 1,949,112; Feb. 27.
- Schreiber, Hans, Berlin-Steglitz, Germany, assignor to General Electric Company. Securing electrical devices in outlet boxes. 1,964,535; June 26.
- Schreiber, John H., St. Louis, Mo. Nut cracking machine. 1,973,395; Sept. 11.
- Schreiber, Leon, and J. Olschlager, assignors of ten per cent to D. S. Schreiber and ten per cent to A. L. Schreiber, Cleveland, Ohio. Crank case attachment. 1,968,713; July 31.
- Schreiber, Louis J. J., et al. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemsse.)
- Schreiber, Otto. (See Steinle, A., and Schreiber.)
- Schreiber, Otto, Neunkirchen, Kreis Siegen, Germany. Dust exhausting apparatus. 1,980,763; Nov. 13.
- Schreiber, William G., and C. O. Carlson, Minneapolis, Minn. Jogging machine for sheet material. 1,949,764; Mar. 6.
- Schreier, Konrad F., Highland Park, Ill. Stable malt and malt product. 1,950,418; Mar. 13.
- Schrell, Paul E., assignor to N. D. Q. Specialty Corporation, Brooklyn, N. Y. Ornamental candle holder manufacture. 1,974,056; Sept. 18.
- Schremp, Edward J., Flushing, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc. Hosiery press. 1,944,376; Jan. 23.
- Schrenk, Elias, Syracuse, N. Y. Weather strip device for doors. 1,967,103; July 17.
- Schrenk, Hans A. (See Lubberhuizen, J. W., and Schrenk.)
- Schrenk, Hans A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Process and apparatus for spinning artificial silk. 1,968,912; Aug. 7.
- Schrenk, Matthew H., Washington, D. C. Multirange oscillator. 1,961,253; June 5.
- Schrenk, Matthew H., Washington, D. C. Rectifier system. 1,972,538; Sept. 4.
- Schreurs, Paul R., Muscatine, Iowa. Gasifier and mixer. 1,967,133; July 17.
- Schriber-Gastell, Richard, et al. (See Formhals, Anton, assignor.)
- Schröder, Einar, and J. A. S. van Deurs, Copenhagen, Denmark. Apparatus for production of foam by mechanical means. 1,982,884; Dec. 4.
- Schröder, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic disconnecting device for electrically driven phonographs. 1,964,182; June 26.
- Schröder, Herbert, Triebes, Germany. Dough dividing and working machine. 1,944,112; Jan. 16.
- Schröder-Stranz, Friedrich, Berlin-Steglitz, H. Denstätt, Berlin, and F. Denstätt, Brandenburg, Germany. Method and apparatus for working arable land, especially for the deeper setting of plants. 1,969,949; Aug. 14.
- Schroeder, Bernard A., assignor to United Autographic Register Co., Chicago, Ill. Duplicating machine stationery. 1,963,680; June 19.
- Schroeder, Bernard A., Evanston, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,964,677; June 26.
- Schroeder, Bernard A., Evanston, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 1,966,142; July 10.
- Schroeder, Bernard A., Evanston, Ill., assignor to The Thermo Service Company, Inc. Dish cover. 1,973,447; Sept. 11.
- Schroeder, Clement J. (See Dumser, L. A., and Schroeder.)
- Schroeder, Clement J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Lathe. 1,970,023; Aug. 14.
- Schroeder, Frederick A., Rochelle Park, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Reamer for earth-boring buckets. Re19,281; Aug. 21.
- Schroeder, George H. (See McEachron, E. J., Johnson, Jensen, Ruhoff, Schroeder, and Krueger.)
- Schroeder, Henry J., San Antonio, Tex. Closure for containers. 1,969,822; Aug. 14.
- Schroeder, Joseph H., assignor to L. E. Smith, San Francisco, Calif. Valve construction for fluid dispensers. 1,966,143; July 10.
- Schroeder, Theodore E., Lansing, assignor to Central Advertising Company, Jackson, Mich. Display board. 1,964,484; June 26.
- Schroeder, William, assignor to Mercury Manufacturing Company, Chicago, Ill. Hoist attachment for trucks. 1,941,582; Jan. 2.
- Schroeder, William, assignor to Mercury Manufacturing Company, Chicago, Ill. Industrial truck. 1,948,502; Feb. 27.
- Schroeder, William, assignor to Mercury Manufacturing Company, Chicago, Ill. Brake mechanism for vehicles. 1,959,878; May 22.
- Schroeter, Karl. (See Moers, K., Schroeter, and Wolff.)
- Schroff, Alfons, Ulm-on-the-Danau, Germany. Tenoning machine. 1,956,748; May 1.
- Schrontz, John F., Indianapolis, assignor, by mesne assignments, to R. R. Scheidler, Marion County, Ind. Gate construction. 1,947,176; Feb. 13.
- Schröter, Fritz. (See Michelssen, F., and Schröter.)
- Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television apparatus. 1,951,533; Mar. 20.
- Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electrode construction for glow discharge tubes. 1,955,391; Apr. 17.
- Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Broadcasting system using ultra-short waves. 1,973,296; Sept. 11.
- Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television receiver. 1,977,409; Oct. 16.
- Schröter, Fritz, Berlin-Schmargendorf, Germany, assignor of one-half to Radio Patents Corporation, New York, N. Y. Lightning arrester. 1,966,083; July 10.
- Schröter, Fritz, and F. Michelssen, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Device for the transmission of pictures or of telegraphic signals. 1,965,752; July 10.
- Schröter, Karl, Berlin-Lichtenberg, and H. Wolff, Berlin, Germany, assignors to General Electric Company. Drawing die. 1,957,234; May 1.
- Schub, Edward. (See Kohn, S., and Schub.)
- Schubardt, Walter. (See Schlecht, L., Schubardt, and Duftschmid.)
- Schubarth, Ernst, Menden, near Iserlohn, Germany. Pressing metal articles. 1,943,242; Feb. 20.
- Schubert, Charles A. (See Bantleon, H. G., and Schubert.)
- Schubert, Fritz. (See Wilke, K., Stock, and Schubert.)
- Schubert, Georg. (See Möller, R., and Schubert.)
- Schubert, Julius, Woodside, N. Y. Internal combustion engine. 1,962,530; June 12.
- Schubert, Julius, Lyndhurst, N. J. Internal combustion engine. 1,967,596; July 24.
- Schubert, Karl, Seon-Seetal, Switzerland, assignor to Max Gessner, Wiesbaden-Bleibach, Germany. Carbonization of rags. 1,953,509; Apr. 3.
- Schubert, Richard, Bremen, Germany. Preparing peat for fertilizing purposes. 1,974,877; Sept. 25.
- Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)
- Schubert, Walter, Oels, assignor to the firm of Carl Zeiss, Jena, Germany. Device for testing the positions of the driving shafts of locomotives. 1,959,551; May 22.
- Schuch, August. (See Barber, G. H., and Schuch.)
- Schuchhardt, Ferdinand, Berliner Fernsprech- und Telegraphenwerk, Aktiengesellschaft. (See Klappenecker, Wilhelm, assignor.)
- Schuck, Conrad, and G. Layer, East Orange, N. J. Safety gas burner control. 1,943,490; Jan. 16.
- Schuck, Conrad, Jr., and G. Layer, East Orange, N. J. Automatic operation of fuel burners. 1,983,710; Dec. 11.
- Schuck, Harold P., Shamrock, Fla. Parquet floor block. 1,968,714; July 31.
- Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. 1,960,755; May 29.
- Schueler, Frederick C., assignor to Hudson-Sharp Machine Company, Green Bay, Wis. Pack holding mechanism. 1,946,988; Feb. 13.
- Schueler, Julia L., Kokomo, Ind. Continuous galvanizing. Re19,209; June 12.
- Schuelke, Emil A., assignor to The Napier Company, Meriden, Conn. Combined coffee pot, cream pitcher, and sugar container. Des. 93,854; Nov. 13.
- Schuelke, Emil A., assignor to The Napier Company, Meriden, Conn. Shaker or similar article. Des. 94,098; Dec. 18.
- Schuessler, Carl F., Chicago, Ill. Knitted cap. 1,978,766; Oct. 30.
- Schuetz, George A., et al. (See Bayardi, Armand, assignor.)
- Schüller, Julius, Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Silica brick. 1,945,236; Jan. 30.
- Schuffan, Paul, assignor to Gesellschaft für Linde's Eismaschinen A. G., Hollriegelskreuth, near Munich, Germany. Obtaining constituents of air having a higher boiling point than oxygen. 1,963,809; June 19.
- Schuggs, Clarence H., Brooklyn, N. Y. Jewelry display device. 1,956,205; Apr. 24.
- Schuhmacher, Lawrence F., Meade, Kans., assignor to Schuhmacher and Schneider Patents, Inc., Chicago, Ill. Mat. 1,966,465; July 17.

- Schubmacher and Schneider Patents, Inc. (See Schubmacher, Lawrence F., assignor.)
- Schuknecht, Walter, assignor to Phoenix Hosiery Company, Milwaukee, Wis. Stripping attachment for knitting machines. 1,971,581; Aug. 28.
- Schulenburg, Wilhelm, Frankfurt-on-the-Main, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Preparation of thiourea. 1,977,210; Oct. 16.
- Schuler, Adam F., Philadelphia, Pa. Jacquard mechanism. 1,944,815; Jan. 23.
- Schuler, George, Woodside, N. Y. Window. 1,977,975; Oct. 23.
- Schuler, Hermann, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Charging small caliber high explosive shells. 1,978,146; Oct. 23.
- Schuler, L., Aktiengesellschaft. (See Keck, Karl, assignor.)
- Schuler, Reuben. (See Buc, H. E., and Schuler.)
- Schull, Felix. (See Kreutz, Willy, assignor.)
- Schull, John, Willow Grove, Pa. Jacquard card punching machine. 1,956,335; Apr. 24.
- Schuller, Alfred L., Upper Montclair, N. J., assignor to Easton Car & Manufacturing Company, Easton, Pa. Vehicle coupler. 1,979,908; Nov. 6.
- Schulman, Solomon, Brooklyn, N. Y. Mop. 1,947,312; Feb. 13.
- Schulman, Solomon, Brooklyn, N. Y. Mop wringer. 1,952,824; Mar. 27.
- Schulse, Herman E., Wilmington, Del., assignor to Uniclo Corporation. Chronological instrument. 1,959,601; May 22.
- Schult, Heinrich, Berlin-Schöneberg, Germany, assignor to General Electric Company. Power plant with intermediate superheater. 1,970,434; Aug. 14.
- Schulte, Clifford L., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,965,261; July 3.
- Schultheiss, Werner. (See Zahn, K., and Schultheiss.)
- Schultheiss, William F., Huntington Park, Calif. Flush valve. 1,942,837; Jan. 9.
- Schultis, Charles F., assignor to The Royal Brass Manufacturing Company, Cleveland, Ohio. Drain valve for bathtubs and the like. 1,943,628; Jan. 16.
- Schultz, Alfred. (See Bubrig, W. H., Schultz, and Frey.)
- Schultz, Albert B. (See Napier, M. J., and Schultz.)
- Schultz, Albert J., Kimball, Nebr. Agitating apparatus. 1,954,146; Apr. 10.
- Schultz, Edward, Chicago, Ill. Combined tray, ash receptacle, and stand therefor. 1,954,267; Apr. 10.
- Schultz, Edwin, Minneapolis, Minn. Game. 1,943,697; Jan. 16.
- Schultz, Elmer H., and M. H. Horvath, assignors to Way-side Gardens Company, Mentor, Ohio. Hybrid barberry. Pl. Pt. 99; June 26.
- Schultz, Emil G., assignor of one-half to W. F. Matthews, Milwaukee, Wis. Fence post. 1,950,751; Mar. 13.
- Schultz Engineering Corporation. (See Schultz, R. H., Siebert, and Borloz, assignors.)
- Schultz, Fritz, New York, N. Y. Drainage device. 1,973,321; Sept. 11.
- Schultz, George W., Reading, Pa. Automatic closing fire valve. 1,981,200; Nov. 20.
- Schultz, Henry O. (See Herzberg, A. A., Schultz, and Tumpak.)
- Schultz, Hermann, Berlin, Germany. Refractory lining for crucibles and the like. 1,944,278; Jan. 23.
- Schultz, Joseph. (See Guska, A. E., Homa, and Schultz.)
- Schultz, Joseph, Cleveland, Ohio. Method of and apparatus for dampening in lithographic presses. 1,953,593; May 15.
- Schultz, Joseph, Cleveland, Ohio. Dampening device for lithographic offset presses and the like. 1,969,154; Aug. 7.
- Schultz, Joseph, Cleveland, Ohio. Dampening mechanism for lithographic offset presses and the like. 1,969,155; Aug. 7.
- Schultz, Joseph, Cleveland, Ohio. Method of and mechanism for feeding sheets in lithographic presses. 1,976,582; Oct. 9.
- Schultz, Oswald R., New York, N. Y. Making intaglio printing plates. 1,980,443; Nov. 13.
- Schultz, Peter A., Arnhem, Netherlands, assignor to American Glanzstoff Corporation, New York, N. Y. Determining the evenness of textile threads. 1,941,917; Jan. 2.
- Schultz, Raymond J., assignor to Madison-Kipp Corporation, Madison, Wis. Die-casting machine. 1,950,864; Mar. 13.
- Schultz, Roy M., assignor to Cook Electric Company, Chicago, Ill. Heat motor. 1,983,314; Dec. 4.
- Schultz, Rudolph H., A. J. Siebert, and L. C. Borloz, assignors to Schultz Engineering Corporation, Brooklyn, N. Y. Differential friction drive. 1,953,510; Apr. 3.
- Schultz, Rudolph H., A. J. Siebert, Brooklyn, N. Y., and L. C. Borloz, Teaneck, N. J., assignors to Schultz Engineering Corporation, Brooklyn, N. Y. Automatic rewinding machine. 1,966,525; July 17.
- Schultz, Sol E. (See Cruise, G. V., and Schultz.)
- Schultz, Solomon E., Bogota, N. J. Relay protective system. 1,960,091; May 22.
- Schultz, William M., assignor to W. F. Oberle, Toledo, Ohio. Cooking vessel. 1,968,786; July 31.
- Schultz, William O. (See Steinmayer, A. G., and Schultz.)
- Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse. 1,949,186; Feb. 27.
- Schultze, Guido, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Artificial mass. 1,980,959; Nov. 13.
- Schulwitz, Richard, Berlin, Germany. Plant for drying moist materials. 1,973,270; Sept. 11.
- Schulz, Arthur P. (See Teller, J., and Schulz.)
- Schulz, Arthur P. (See Teller, J., and Schulz, assignors.)
- Schulz, Bruno J. (See Streich, C. A., and Schulz.)
- Schulz, Carl A., Glenview, Ill. Anatomical demonstrating device. 1,967,786; July 24.
- Schulz, Edward. (See Wyner, F., and Schulz.)
- Schulz, Ernest H., Dortmund, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Steel alloy. 1,979,015; Oct. 30.
- Schulz, Ernst H., and K. Carius, Dortmund, assignors to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Increasing the resistance to corrosion of steel and cast iron. 1,974,435; Sept. 25.
- Schulz, Herbert, Berlin, Germany. Continuously operating centrifugal machine. 1,979,909; Nov. 6.
- Schulz, Paul A., Webster Groves, Mo., assignor to United Drug Company, Boston, Mass. Dispensing device. 1,955,566; Apr. 17.
- Schulz, Reinhold H., Detroit, Mich. Globe dial fixture. 1,981,253; Nov. 20.
- Schulz, Robert H., et al. (See Wharton, Edward R., assignor.)
- Schulz, Walter. (See Rathgeber, E., Schulz, Beplate, and Ruesch.)
- Schulz, Walter F. (See Kahn, J., and Schulz.)
- Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Welding. 1,973,113; Sept. 11.
- Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Plaster base. 1,985,193; Dec. 18.
- Schulz, William H., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 1,983,100; Dec. 4.
- Schulz, William P., Teaneck, N. J., assignor to The Barrett Company, New York, N. Y. Interlocking shingle. 1,956,732; May 1.
- Schulze, Ferdinand. (See Haskins, J. F., and Schulze.)
- Schulze, John E., and T. E. McArdle, Chicago, Ill., assignors to Red River Refining Company, Inc., Shreveport, La. Distilling apparatus. 1,971,355; Aug. 28.
- Schulze, Rudolf, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Decomposition of rare earth metal bearing ores. 1,981,126; Nov. 20.
- Schulze, Rudolf, Bitterfeld, and W. Brause, Leipzig, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing beryllium fluoride. 1,975,482; Oct. 2.
- Schulze, Walter A., and F. E. Frey, assignors to Phillips Petroleum Company, Bartlesville, Okla. Reducing discoloration of motor fuels. 1,950,697; Mar. 13.
- Schulze, Walter A., and F. E. Frey, assignors to Phillips Petroleum Company, Bartlesville, Okla. Purifying and sweetening hydrocarbon oils. 1,964,219; June 26.
- Schulze, Walter A., and F. E. Frey, assignors to Phillips Petroleum Company, Bartlesville, Okla. Purifying and sweetening hydrocarbons by copper halides. 1,964,220; June 26.
- Schulze, Walter A., and F. E. Frey, assignors to Phillips Petroleum Company, Bartlesville, Okla. Treating oils with an alkaline sulphide. 1,980,555; Nov. 13.
- Schumacher, Diedrich. (See Dicke, A., Richter, and Schumacher.)
- Schumacher, Diedrich F., Berlin-Britz, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Paper feeding mechanism. 1,944,673; Jan. 23.
- Schumacher, Elmer L. (See Tillyer, E. D., and Schumacher.)
- Schumacher, Elmer L., and L. W. Goddu, Southbridge, Mass. Smoking pipe and the like. 1,955,474; Apr. 17.
- Schumacher, F., & Co. (See Duval, Edward A., assignor.)
- Schumacher, Hans, Berlin-Lichterfelde-West, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Inductively back-coupled tube generator. 1,960,419; May 29.
- Schumacher, Hector J., Minneapolis, Minn. Tire expander. 1,964,602; June 26.
- Schumacher Wall Board Corporation. (See Brunner, A. H., and Tice, assignors.)
- Schumacher, Willi. (See Kramer, H., Schumacher, and Weisser.)
- Schumag Schumacher Metallwerke Aktien-Gesellschaft für Präzisions Mechanik. (See Möller, Heinrich, assignor.)
- Schumag Schumacher Metallwerke Aktiengesellschaft für Präzisionsmechanik. (See Thyssen, Conrad, assignor.)
- Schumann, Curt, and H. Ufer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of ethers. 1,961,987; June 5.
- Schumann, Walter A., assignor to The Bade-Cummins Mfg. Co., Louisville, Ky. Hood fastener. 1,966,908; July 17.
- Schumb, Martin T. (See Tougas, E. E., and Schumb.)
- Schundler, F. E., & Company. (See Denning, Paul S., assignor.)
- Schunk, Joseph. (See Conway, T. G., Blessin, and Schunk.)

- Schunk, Joseph, assignor to National Lock Washer Company, Newark, N. J. Bus or car window construction. 1,976,808; Oct. 16.
- Schunk, Joseph, assignor to National Lock Washer Company, Newark, N. J. Bus or car window construction. 1,976,809; Oct. 16.
- Schur, Milton O. (See Richter, G. A., and Schur.)
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Producing nitrocellulose. 1,948,944; Feb. 27.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Artificial leather. 1,955,892; Apr. 24.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Artificial leather manufacture. 1,956,179; Apr. 24.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of vulcanized rubber products. 1,964,771; July 3.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Formation of sheeted cellulose for nitration. 1,971,237; Aug. 21.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Conditioning of viscose solutions for impregnation and other purposes. 1,974,755; Sept. 25.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Latex composition and its preparation. 1,977,211; Oct. 16.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Washing of nitrocellulose and the like. 1,978,962; Oct. 30.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of waterlaid fibrous webs. 1,980,881; Nov. 13.
- Schur, Milton O., B. G. Hoos, and T. C. Morris, assignors to Brown Company, Berlin, N. H. Conditioning paper for nitration. 1,948,943; Feb. 27.
- Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Manufacture of interfelted cellulose fiber strands. 1,955,567; Apr. 17.
- Schur, Milton O., and W. L. Hearn, assignors to Brown Company, Berlin, N. H. Manufacture of waterlaid felts and impregnated products prepared therefrom. 1,961,945; June 5.
- Schur, Milton O., and W. L. Hearn, assignors to Brown Company, Berlin, N. H. Bitumenized felt. 1,961,946; June 5.
- Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Production of pulverized cellulose. 1,965,772; July 3.
- Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Mercerization and purification of cellulose fiber. 1,968,468; July 31.
- Schuriger, Garner H. (See Gallimore, K. F., and Schuriger.)
- Schuricht, Alfons G., Alton, assignor to Western Cartridge Company, East Alton, Ill. Shot shell tube. 1,967,844; July 24.
- Schürmann, Friedrich, Dortmund, Germany, assignor to The Stacey Bros. Gas Construction Company, Cincinnati, Ohio. Increasing the height of a gas holder while in service. 1,947,279; Feb. 13.
- Schürmann, Henry, Wynot, Nebr. Harrow attachment. 1,971,278; Aug. 21.
- Schürmann, William A., Chicago, Ill. assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Luncheon plate. 1,943,698; Jan. 16.
- Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Grinding wheel. 1,954,330; Apr. 10.
- Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Cutting worms. 1,960,460; May 29.
- Schussler, Walter H., Philadelphia, Pa., assignor to International Cigar Machinery Company. Charge sizer. 1,981,473; Nov. 20.
- Schussler, Walter H., Philadelphia, Pa., assignor to International Cigar Machinery Company. Safety device for cutter rollers of cigar machines. 1,984,813; Dec. 18.
- Schuster, Curt. (See Dohse, H., and Schuster.)
- Schuster, Eduard, assignor to Koehring Company, Milwaukee, Wis. Road building machine. 1,954,104; Apr. 10.
- Schuster, Karl U., Glengen-on-the-Brenz, assignor to F. Oberdorfer G. m. b. H., Heidenheim-on-the-Brenz, Germany. Welding ends of wire fabric and the fabric. 1,955,517; Apr. 17.
- Schuster, Louis, assignor to L. C. White Company, Waterbury, Conn. Pivot back button. 1,981,813; Nov. 20.
- Schutes, George F., Valparaiso, Ind. Golf bag supporting means. 1,978,230; Oct. 23.
- Schutt, Clifton E., Wheaton, Ill. Heat balancing system. 1,969,187; Aug. 7.
- Schutt, Hermann C. (See Cooke, M. B., and Schutt.)
- Schutt, Hermann C. (See Wallis, J. S., and Schutt.)
- Schutte, Alfred H. (See Poppensieker, Fritz, assignor.)
- Schutte, August E., Northboro, Mass., assignor to The Lane Construction Corporation, Meriden, Conn. Dispersing asphalt. 1,950,272; Mar. 6.
- Schutte, Ernest, and O. Balzer, Chicago, Ill. Apparatus for dispensing plastic products. 1,961,173; June 5.
- Schutte, Harry S., Gary, Ind., assignor to American Sheet and Tin Plate Company. Strip scrubbing machine. 1,963,063; June 19.
- Schutte & Koerting Company. (See Ketterer, Sigmund G., assignor.)
- Schütte-Lanz Holzwerke A. G. (See Helfrich, Josef, assignor.)
- Schuttler, Carl H., Aurora, Ill. Heat insulating material. 1,969,156; Aug. 7.
- Schütz, Edwin, assignor to Aktiengesellschaft, Oederlin & Co., Baden, Switzerland. Radiator. 1,963,506; June 19.
- Schutz, Harold R., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Tumbler fluting machine. 1,947,881; Feb. 20.
- Schutz, Harold R., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Optic attachment for glass blowing machines. 1,949,435; Mar. 6.
- Schutz, Harold R., Ottawa Hills, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Method and apparatus for making footed glassware. 1,972,717; Sept. 4.
- Schutz, Harold R., Ottawa Hills, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Footed glassware. 1,977,091; Oct. 16.
- Schutz, Harold R., Ottawa Hills, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Banding machine. 1,985,800; Dec. 25.
- Schütze, Eugen, Frankfurt-on-the-Main, Germany. Scribing or marking device. 1,970,476; Aug. 14.
- Schuylkill Hosiery Mills, Inc. (See Robinson, Frank W., assignor.)
- Schwaab, Lawrence E., Plymouth, Wis., assignor to Fischer & Hayes Rope and Steel Company, Chicago, Ill. Spacer and tie for concrete forms. 1,978,963; Oct. 30.
- Schwab, Max, Mannheim, and H. Neufeld, Kaiserlautern, Germany. Electric drive for household sewing machines. 1,962,880; June 12.
- Schwabacher, Gerhard P., Bridgeport, Conn., assignor to General Electric Company. Outlet box attaching means. 1,978,231; Oct. 23.
- Schwager, August C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Circuit interrupter. 1,984,035; Dec. 11.
- Schwager, Henry A., Royal Oak, Mich. Car heater. 1,962,217; June 12.
- Schwahn, Frank, Richmond Hill, N. Y. Locking device for sewing machines and the like. 1,957,557; May 8.
- Schwakopf, Emil F., Brooklyn, N. Y., assignor to The Hall Manufacturing Company, Toledo, Ohio. Valve grinding machine. 1,941,918; Jan. 2.
- Schwalbe, Franz G., Toledo, Ohio. Heat retaining float for glass tank feeding shelves. 1,983,816; Dec. 11.
- Schwalbe, Waldemar, Wiesbaden, and O. Schnecko, Biebrich-on-the-Rhine, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Preparing regenerated cellulose structures. 1,943,346; Jan. 16.
- Schwamb, Theodore A. (See Robinson, J. T., and Schwamb.)
- Schwamberger, Emil. (See Roos, H., and Schwamberger.)
- Schwantes, Edwin C. (See Hoberg, A. S., Schabel, and Schwantes.)
- Schwarbe, Edwin J., New York, N. Y. Serving table. 1,963,594; June 19.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 92,772; July 10.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 92,773; July 10.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 92,774; July 10.
- Schwarman, Alexander, assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Oxidized linseed oil and making. 1,949,028; Feb. 27.
- Schwarman, Alexander, assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Polymerized and oxidized oils and preparing. 1,958,372; May 8.
- Schwarman, Alexander, assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Manufacture of blown oils. 1,958,373; May 8.
- Schwarman, Alexander, assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Manufacture of composite air-blown oils. 1,958,374; May 8.
- Schwarte, Edward L. (See Parr, E. D., and Schwarte.)
- Schwartz, Carl, Elkhart Lake, Wis., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Record changing device. 1,963,214; June 19.
- Schwartz, Frederick G., Bexley, Ohio. Sifting apparatus. 1,985,109; Dec. 18.
- Schwartz, George L. (See Emhardt, J. C., McNair, and Schwartz.)
- Schwartz, George L. (See McCormick, F. H., and Schwartz.)
- Schwartz, George L. (See Reid, E. E., and Schwartz.)
- Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Absorbent felt and artificial leather product made therefrom. 1,944,906; Jan. 30.
- Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial fabric. 1,945,537; Feb. 6.
- Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial fabric. 1,945,538; Feb. 6.
- Schwartz, Harold M., Pittsburgh, Pa. Show window. 1,943,629; Jan. 16.
- Schwartz, Harry W., assignor to C. G. Conn, Ltd., Elkhart, Ind. Horn. 1,956,254; Apr. 24.
- Schwartz, Henry, assignor to Barrel Fitting and Seal Corporation of America, Chicago, Ill. Apparatus for forming bushing structures. 1,942,666; Jan. 9.
- Schwartz, Isidore, et al. (See Watson, George H., assignor.)

- Schwartz, Louis J., assignor to Standard Embroidery Company, Philadelphia, Pa. Smoothing iron. 1,972,035; Aug. 28.
- Schwartz, Morris, assignor of one-third to S. Zagat, Brooklyn, and one-third to E. D. Zagat, New York, N. Y. Flash light equipment. 1,959,931; May 22.
- Schwartz, Nathan, assignor to Sylvia Schwartz, New York, N. Y. Respirator. 1,946,334; Feb. 6.
- Schwartz, Peter S., assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,211; May 8.
- Schwartz, Philip, assignor to Rapid Roller Company, Chicago, Ill. Dampening roller. 1,955,442; Apr. 17.
- Schwartz, Rudolf, New York, N. Y. Brush. 1,967,597; July 24.
- Schwartz, Samuel, Cleveland, Ohio. Envelope. 1,969,428; Aug. 7.
- Schwartz, Samuel A., St. Paul, Minn. Towel winding device. 1,965,567; July 10.
- Schwartz, Sarah L., et al. (See Watson, George H., assignor.)
- Schwartz, Sol, Chicago, Ill. Bushing structure and forming same. 1,961,712; June 5.
- Schwartz, Sylvia. (See Schwartz, Nathan, assignor.)
- Schwartz, William J., Chicago, Ill. Display rack. 1,945,573; Feb. 6.
- Schwartzmann, Harry, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical insulating device having a terminal thereon and making it. 1,984,036; Dec. 11.
- Schwarz, August, Chicago, Ill. Process of and apparatus for refrigeration. 1,961,447; Mar. 20.
- Schwarz, August, Chicago, Ill. Multiple quick acting refrigerator plant and process. 1,951,448; Mar. 20.
- Schwarz, August, Chicago, Ill. Refrigerator plant and process. 1,954,543; Apr. 10.
- Schwarz, Ernest L., Bronx, N. Y. Packing cup for master cylinders. 1,970,398; Aug. 14.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 91,440; Jan. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 91,441; Jan. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 91,442; Jan. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 91,471; Feb. 6.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 91,791; Mar. 20.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 91,792; Mar. 20.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 92,429; June 5.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 92,430; June 5.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 92,431; June 5.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,740; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,741; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,742; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,743; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,744; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,745; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,746; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,747; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,748; Oct. 30.
- Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 93,749; Oct. 30.
- Schwarz, Joseph A., Los Angeles, Calif. Lawn edger. 1,964,366; June 26.
- Schwarz, Philipp, Wuppertal-Barmen, Germany. Spool or bobbin for roll films. 1,979,412; Nov. 6.
- Schwarz, Richard E. (See Shoemaker, J. J., and Schwarz.)
- Schwarzhaupt, Paul, Scotia, N. Y., assignor to General Electric Company. Radio control device. 1,969,528; Aug. 7.
- Schwarzkopf, Arthur R., assignor to Theo. A. Kochs Company, Chicago, Ill. Furniture pedestal base. Des. 93,051; Aug. 14.
- Schwarzkopf, Arthur R., assignor to Theo. A. Kochs Company, Chicago, Ill. Housing for electric motors. 1,954,833; Apr. 17.
- Schwarzkopf, Arthur R., and H. A. Bern, assignors to Theo. A. Kochs Company, Chicago, Ill. Chair. 1,951,375; Mar. 20.
- Schwarzkopf, Erich, Jackson Heights, assignor to Thomas W. Marshall, New York, N. Y. Multiplex transmission. 1,943,630; Jan. 16.
- Schwarzkopf, Paul, Reutte, Tyrol, Austria. Production of hard metal alloys, especially for tools. 1,959,879; May 22.
- Schwarzmann, Wolfgang E. (See Beeh, L., and Schwarzmann.)
- Schwarzmann, Wolfgang E. (See Wild, J. E., and Schwarzmann.)
- Schwarzmann, Wolfgang E., Longmeadow, assignor to United American Bosch Corporation, Springfield, Mass. Ignition timer. 1,968,224; July 31.
- Schwedenberg, Theodor, Berlin, and R. Auerbach, Neuenhagen, Germany, assignors to General Electric Company. Electric heater. 1,979,082; Oct. 30.
- Schwedenberg, Theodor, Berlin-Charlottenburg, and R. Auerbach, Neuenhagen, near Berlin, Germany, assignors to General Electric Company, Schenectady, N. Y. Inhaling device. 1,984,159; Dec. 11.
- Schweder, James. (See Jacobson, C. C., and Schweder.)
- Schweer, Frederick W. (See Baldwin, P. C., and Schweer.)
- Schweering, Ernest H., Tulsa, Okla. Brake and clutch operating mechanism. 1,973,826; Sept. 18.
- Schweibold, Alvin W., Monroe, Mich. Control device for automotive generators. 1,984,947; Dec. 18.
- Schweich, Roger, Paris, France, assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland. Power transmission device. 1,975,733; Oct. 2.
- Schweig, Julius A., St. Louis, Mo. Door operating mechanism. 1,943,042; Jan. 9.
- Schweiss, Joseph, assignor to Carter Carburetor Corporation, St. Louis, Mo. Operating lever. 1,944,531; Jan. 23.
- Schweisthal, Fred G., assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping device. 1,982,966; Dec. 4.
- Schweistres, John, assignor to Mock, Judson, Voehringer Co. Inc., Greensboro, N. C. Safety mechanism for reinforced selva attachments. 1,967,068; July 17.
- Schweiter, Hans, Horgen, near Zurich, Switzerland. Winding machine. 1,951,951; Mar. 20.
- Schweiter, Hans, Horgen, near Zurich, Switzerland. Device for winding tubular or can cops. 1,964,221; June 26.
- Schweitzer & Conrad, Inc. (See McMahon, George F., assignor.)
- Schweitzer & Conrad, Inc. (See Ringwald, Clarence, assignor.)
- Schweitzer, Edmund O., Northbrook, Ill. Switch. 1,956,049; Apr. 24.
- Schweitzer, Eugen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Device for measuring the ratio of the ingredients in a mixture of gases or liquids. 1,947,923; Feb. 20.
- Schweitzer, Hugo. (See Huisman, J., and Schweitzer.)
- Schweitzer, Orlan F., Detroit, Mich. Wire wheel construction. 1,959,007; May 15.
- Schweitzer, William E., Chicago, Ill. Light-operated mechanism. 1,970,579; Aug. 21.
- Schweitzer, William K. (See Lemmerman, P. C., and Schweitzer.)
- Schweitzer, William K., East Cleveland, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Cleaning and protecting metals against rusting. 1,949,921; Mar. 6.
- Schweitzer, William K., East Cleveland, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Flux for use in soldering. 1,974,436; Sept. 25.
- Schweiz, Lokomotiv- & Maschinenfabrik. (See Marti, Paul, assignor.)
- Schweiz Lokomotiv & Maschinenfabrik. (See Martin, Paul, assignor.)
- Schweizer, Albert, Lillian, Ala., assignor to E. B. Tobin. Liquid level gauge. 1,967,631; July 24.
- Schweizer, Ernest, East Orange, N. J., assignor to Celluloid Corporation. Testing. 1,960,281; May 29.
- Schweizer, Ernst, Zurich, Switzerland. Machine for winding quick-traverse bobbins, especially for artificial silk. 1,945,659; Feb. 6.
- Schweizer, Ernst, Zurich, Switzerland. Yarn winding machine. 1,955,027; Apr. 17.
- Schweizer, Ernst, Zurich, Switzerland. Bobbin winding machine. 1,958,317; May 8.
- Schweizer, Karl, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Interrupter. 1,973,359; Sept. 11.
- Schweizer, Robert. (See Hopff, H., and Schweizer.)
- Schweizerische Lokomotiv- und Maschinenfabrik. (See Nyffenegger, Hans, assignor.)
- Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Fabricated tank. 1,943,191; Jan. 9.
- Schwendner, Anthony F., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,956,255; Apr. 24.

- Schwendt, Bernard J. (See Viegand, F. B., Schwendt, and Flath.)
- Schwenk, Erwin. (See Schoeller, W., Schwenk, and Borgwardt.)
- Schwenk, Erwin. (See Schoeller, W., Schwenk, Borgwardt, and Aichner.)
- Schwenk, Erwin, Berlin-Charlottenburg, and E. Borgwardt, Berlin-Pankow, assignors to Schering-Kahlbaum, A.-G., Berlin, Germany. Production of unsaturated ketones. 1,974,727; Sept. 25.
- Schwentler, Francis E., assignor to The American Brake Company, St. Louis, Mo. Truck brake rigging. 1,947,675; Feb. 20.
- Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Lifting jack. 1,946,242; Feb. 6.
- Schwerin, Walter A., Peoria, and T. H. Schonwise, East Peoria, Ill. Processing table. 1,973,179; Sept. 11.
- Schweyer, Daniel H., Easton, Pa. Air brake apparatus. Re19,158; May 8.
- Schweyer, Daniel H., Easton, Pa. Automatic train control. 1,941,497; Jan. 2.
- Schwibinger, George, assignor to Rundle-Spence Mfg. Co., Milwaukee, Wis. Flushing device. 1,975,214; Oct. 2.
- Schwicker, Richard, Aktiengesellschaft. (See Huber, Otto, assignor.)
- Schwidetzky, Oscar O. R., Hasbrouck Heights, assignor to Becton, Dickinson & Co., Rutherford, N. J. Syringe. 1,972,167; Sept. 4.
- Schwietzke, Günther, Dusseldorf, Germany. Process and contrivance for producing hollow bodies by casting. 1,971,279; Aug. 21.
- Schwimmer, Oscar, assignor to F. Arnold, Los Angeles, Calif. Cream preparer. 1,956,082; Apr. 24.
- Schwinger, Abraham, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Inc. Fixture hanger. 1,985,582; Dec. 25.
- Schwitzer-Cummins Company. (See Roland, John, assignor.)
- Schwitzer-Cummins Company. (See Schwitzer, L., and Winkler, assignors.)
- Schwitzer, Louis, Indianapolis, Ind., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Regulator for refrigerative systems. 1,984,321; Dec. 11.
- Schwitzer, Louis, and C. J. Winkler, assignors to Schwitzer-Cummins Company, Indianapolis, Ind. Hopper closure for stokers. 1,951,534; Mar. 20.
- Schwitzer, Louis, C. J. Winkler, and K. A. Beier, Indianapolis, Ind., assignors, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Valve. 1,961,599; June 5.
- Schwob, Henry, Wapello, Iowa. Mechanical power hammer. 1,951,169; Mar. 13.
- Schwob, Henry, Wapello, Iowa. Mechanical power hammer. 1,951,170; Mar. 13.
- Schwob, Henry, Wapello, Iowa. Mechanical power hammer link moving means. 1,961,458; June 5.
- Schwoerer, Charles, Strasbourg, France. Spring suspension for motor vehicles. 1,965,433; July 3.
- Schwoerer, Richard C., et al. (See Braun, Géza, assignor.)
- Scientific Research Trust. (See Cohen, Theodore, assignor.)
- Scientific Tablet Company. (See Suppiger, G. S., and Alexander, assignors.)
- Scintilla Aktiengesellschaft. (See Bohli, Jakob, assignor.)
- Scintilla Aktiengesellschaft. (See Kaufmann, Albert, assignor.)
- Scintilla Aktiengesellschaft. (See Schaeren, Ernst, assignor.)
- Scintilla Aktiengesellschaft. (See Steiner, Gottlieb, assignor.)
- Scioscia, Oreste R., Pittsburgh, Pa. Sterilizing tray. 1,973,155; Sept. 11.
- Scioscia, Oreste R., Pittsburgh, Pa. Barber's and beautician's sterilizing tray. 1,973,156; Sept. 11.
- Sciullo, Michael A. (See Noll, Ross N., assignor.)
- Sciullo, Michael A., Vineland, N. J. Cotton stand for sewing machines. 1,955,659; Apr. 17.
- Sclater, Ivanhoe H., and G. Camilli, Pittsfield, Mass., assignors to General Electric Company. Transformer. 1,953,779; Apr. 3.
- Scobie, John, Detroit, Mich. Combination bed lamp, night table, and storage cabinet. Des. 91,970; Apr. 10.
- Scocca, Joseph, Menands, N. Y. Hair curler. 1,985,329; Dec. 25.
- Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package. 1,972,277; Sept. 4.
- Scofield, Philip F. (See Heintz, R. M., and Scofield.)
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Modulated oscillator. 1,947,805; Feb. 20.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Oscillating radio receiver. 1,950,752; Mar. 13.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Magnetizing magneto field members. 1,950,753; Mar. 13.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Magneto. 1,950,754; Mar. 13.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Electrically driven vibrator. 1,958,071; May 8.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Thermionic tube. 1,970,773; Aug. 21.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Magneto field member. 1,975,175; Oct. 2.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Variable condenser. 1,977,289; Oct. 16.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Mercury arc. 1,977,290; Oct. 16.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Variable inductor. 1,977,291; Oct. 16.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Cathode control. 1,979,352; Nov. 6.
- Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Variable capacity. 1,983,680; Dec. 11.
- Scofield, Philip F., San Bruno, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Electrical discharge tube. 1,983,679; Dec. 11.
- Scofield, Theodore J., and W. D. Miner, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving set. 1,955,150; Apr. 17.
- Scofield, Theodore J., A. C. Gregoroff, F. W. Billig, and W. Sparks, assignors to The Sparks-Withington Company, Jackson, Mich. Warning signal. 1,980,296; Nov. 13.
- Scoby, John R., and P. R. Yates, Okmulgee, Okla. Valve release. 1,950,328; Mar. 6.
- Scoles, Arthur W., Kansas City, Mo. Paint striper. 1,965,753; July 10.
- Scoppettone, Harry A., Seattle, Wash. Sliding window. 1,950,012; Mar. 6.
- Scotia Distillers Limited. (See Anderson, David S., assignor.)
- Scott, Albert C., Oaken, England. Tool for forming axle housings. 1,948,544; Feb. 27.
- Scott, Alexander A., Knoxville, Tenn. Closure for collapsible tubes. 1,963,870; June 19.
- Scott, Alexander C., Faversham, England. Explosive. 1,950,038; Mar. 6.
- Scott, Alexander C., Faversham, assignor, by mesne assignments, to Heaters Limited, London, England. Blasting cartridge and charge. 1,957,733; May 8.
- Scott, Alexander C., Faversham, assignor to Heaters Limited, London, England. Explosive. 1,964,222; June 26.
- Scott, Allan M., Cedar Rapids, Iowa, assignor to The Quaker Oats Company, Chicago, Ill. Tube feeder and compressors. 1,961,676; June 5.
- Scott, Allan M., Cedar Rapids, Iowa, assignor to The Quaker Oats Company, Chicago, Ill. Tube feeder and cutter. 1,967,374; July 24.
- Scott, Allison F. H., Pleasantville, N. Y. Burial vault. 1,961,988; June 5.
- Scott, Allison F. H., Pleasantville, N. Y. Cover for caskets or vaults. 1,963,002; June 12.
- Scott, Allison F. H., Pleasantville, N. Y. Method of preservation. 1,963,681; June 19.
- Scott, Allison F. H., Pleasantville, N. Y. Method of preservation. 1,963,682; June 19.
- Scott, Charlie B., St. Louis, assignor to M. E. Green Manufacturing Company, St. Louis County, Mo. Eye-testing cabinet. 1,953,268; Apr. 3.
- Scott, Colin S. (See Morro, N. A., and Scott.)
- Scott, David J., Plainfield, N. J. Printing cylinder appliance. 1,958,902; May 15.
- Scott, Donald C., Phoenix, Ariz. Sewage treatment apparatus. 1,971,796; Aug. 28.
- Scott, Elisha H., assignor to W. N. Johnson Automobile Sheet Metal Works, Richmond, Ind. Grave vault. 1,947,064; Feb. 13.
- Scott, Elisha H., assignor to W. N. Johnson Automobile Sheet Metal Works, Richmond, Ind. Casket protector. 1,974,666; Sept. 25.
- Scott, Ephraim J., Somerville, and W. M. Cutler, Gloucester, assignors, by mesne assignments, of eighty per cent to J. G. Zim and M. J. Caulfield, and twenty per cent to T. A. McDonough, Medford, Mass. Quoin. 1,953,691; Apr. 3.
- Scott, Estel, et al. (See Doub, Edwin A., assignor.)
- Scott, Estel. (See Stow, Clarence E., assignor.)
- Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Mounting for reamer cutters. 1,983,315; Dec. 4.
- Scott, Floyd L., and L. E. Garfield, assignors to Hughes Tool Company, Houston, Tex. Three-cone bit. 1,983,316; Dec. 4.
- Scott, George, London, England, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Electric switch. 1,951,171; Mar. 13.
- Scott, George R., Norfolk, Va. Producing bobs. 1,980,444; Nov. 13.
- Scott, George S., Fresno, Calif. Fishing reel. 1,981,429; Nov. 20.
- Scott, George S., Fresno, Calif. Control mechanism for fishing reels. 1,981,430; Nov. 20.
- Scott, George W. (See Reynolds, C. D., and Scott.)
- Scott, Harry E., Cleveland Heights, assignor to The Thew Shovel Company, Lorain, Ohio. Hoisting mechanism. 1,980,297; Nov. 13.

- Scott, Henarie L., San Antonio, Tex. Gasoline vending nozzle. 1,970,629; Aug. 21.
- Scott, Henry F., Framingham, Mass. Packaging container. 1,955,893; Apr. 24.
- Scott, Henry F., assignor to Dennison Manufacturing Company, Framingham, Mass. Apparatus for treating coated paper and the like. 1,958,721; May 15.
- Scott, Herbert V. W., Glen Ridge, N. J., assignor to Van Raalte Company, New York, N. Y. Mechanism for knitting runproof or run-resistant knitted fabric. 1,978,410; Oct. 30.
- Scott, Herbert V. W., Glen Ridge, N. J., assignor to Van Raalte Company, New York, N. Y. Mechanism for knitting runproof or run-resistant knitted fabric. 1,978,411; Oct. 30.
- Scott, Herbert V. W., Glen Ridge, N. J., assignor to Van Raalte Company, New York, N. Y. Knitting runproof or run-resistant knitted fabric and the resulting fabric. 1,983,148; Dec. 4.
- Scott, Howard, Wilkensburg, Pa. assignor to Westinghouse Electric & Manufacturing Company. Alloy. 1,942,260; Jan. 2.
- Scott, Howard, Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alloy. 1,942,261; Jan. 2.
- Scott, Howard, Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bimetal thermostat. 1,947,065; Feb. 13.
- Scott, Howard B., and E. Warner, assignors to The National Cash Register Company, Dayton, Ohio. Engraving machine. 1,984,552; Dec. 18.
- Scott, Isabella F., Atlantic City, N. J. Drinking vessel or the like. Des. 93,243; Sept. 4.
- Scott, James. (See Diamond, J. J., Tinsman, and Scott.)
- Scott, James W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Refining copper. 1,948,816; Feb. 20.
- Scott, Jens T., Brooklyn, N. Y. Electric fish wire. 1,946,037; Feb. 6.
- Scott, John A., and H. L. Hadley, St. Louis, Mo. Covering device for outdoor playing fields. 1,966,687; July 17.
- Scott, John D., Smiths Falls, Ontario, Canada. Scissors sharpener. 1,963,422; June 19.
- Scott, John G., and F. L. Fraizer, Troy, Ohio. Pipe puller. 1,962,466; June 12.
- Scott, Lawrence W., Wyoming, assignor of one-half to D. G. Robinhold, Forty Fort, Pa. Controlling means for boilers. 1,964,678; June 26.
- Scott, Leslie E., and E. A. Smith, San Jose, Calif. Coin controlled switch. 1,942,618; Jan. 9.
- Scott, Louis F., assignor to The J. G. Brill Company, Philadelphia, Pa. Railway car seat. Des. 93,293; Sept. 11.
- Scott, Louis F., assignor to The J. G. Brill Company, Philadelphia, Pa. Chair. 1,955,687; Apr. 17.
- Scott, Martin K., Kansas City, Mo. Grave marker. Des. 92,497; June 12.
- Scott, Merit, Ithaca, N. Y. Instrument for determining atmospheric conditions. 1,945,660; Feb. 6.
- Scott, Norman D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Hydrogenation of CO to methyl formate and methanol in liquid phase with alcoholate catalysts. 1,946,918; Feb. 13.
- Scott, Norman D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Manufacture of ammonium thiocyanate. 1,958,209; May 8.
- Scott Paper Company. (See Parsons, Philip D., assignor.)
- Scott Paper Company. (See Vernon, W. G., Parsons, and Hires, assignors.)
- Scott, Philip L., San Mateo, Calif. Hydraulic system for transmission of pressure or motion. 1,956,403; Apr. 24.
- Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump. 1,965,006; July 3.
- Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump. 1,973,180; Sept. 11.
- Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump. 1,973,181; Sept. 11.
- Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump. 1,978,232; Oct. 23.
- Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Valve. 1,979,910; Nov. 6.
- Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Injector. 1,947,573; Feb. 20.
- Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Injector. 1,976,040; Oct. 9.
- Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump. 1,976,415; Oct. 9.
- Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Pump. 1,976,416; Oct. 9.
- Scott, Preston H., Montclair, N. J. Lip rouge container. Des. 93,052; Aug. 14.
- Scott, Richard H. (See Gorse, W. F., and Scott.)
- Scott, Richard H. (See Meachin, H. W., and Scott.)
- Scott, Robert J., et al. (See Sutton, Gerald J., assignor.)
- Scott, Robert M., jr. (See Wise, Robert P., assignor.)
- Scott, Sempie S., Newark, N. J. Muffler. 1,975,483; Oct. 2.
- Scott, Stanley E., Burlingame, Calif. Guide bar support for concrete gages. 1,970,948; Aug. 21.
- Scott, Thomas R., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric cable. 1,953,281; May 8.
- Scott, Thomas R., and N. A. Allen, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Single core cable. 1,947,676; Feb. 20.
- Scott, Victor L., Ottumwa, Iowa. Ball bearing structure. 1,976,637; Oct. 9.
- Scott-Viner Company. (See Nicholoy, Winford E., assignor.)
- Scott, Virgil E., Portland, Oreg. Protector boot for the ends of rolls of paper and the like. 1,954,848; Apr. 17.
- Scott, Walter A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Milking machine test cup. 1,971,467; Aug. 28.
- Scott, Walter J., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Ceramic coated articles. 1,962,751; June 12.
- Scott, Walter J., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Ceramic material and making the same. 1,977,698; Oct. 23.
- Scott, Walter L., Long Beach, Calif. Game of skill. 1,969,429; Aug. 7.
- Scott, Walter M. (See Barnhart, Job R., assignor.)
- Scott, William H., Rochester, N. Y. Gas tank cap lock. 1,977,493; Oct. 16.
- Scott, William H., Chicago, Ill., and J. C. Ducommun, Hammond, Ind., assignors to Standard Oil Company, Chicago Ill. Tube hanger. 1,977,247; Oct. 16.
- Scott, William M., jr. (See Graves, H. C., jr., and Scott.)
- Scott, William M., Tredyffrin Township, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Control system. 1,933,817; Dec. 11.
- Scott & Williams, Incorporated. (See Allen, John M., assignor.)
- Scott & Williams, Incorporated. (See Belford, Alexander G., assignor.)
- Scott & Williams, Incorporated. (See Dickens, Howard G., assignor.)
- Scott & Williams, Incorporated. (See Page, Albert E., assignor.)
- Scott & Williams, Incorporated. (See Page, Albert E. and F. R., assignors.)
- Scott & Williams, Incorporated. (See Sheppard, Harry N., assignor.)
- Scott & Williams, Incorporated. (See Shuford, G. W., Childres, and Christian, assignors.)
- Scott, Winfield, assignor to Kavaleo Products, Inc., Nitro, W. Va. Making aryl phosphates and product thereof. 1,958,210; May 8.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Age resisting vulcanized rubber compound. 1,958,928; May 15.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanization of rubber. 1,965,160; July 3.
- Scott, Winfield, Akron, Ohio, and H. G. Byers, New York, N. Y., assignors to The Rubber Service Laboratories Company, Akron, Ohio. Age resisting rubber compound and making same. 1,959,110; May 15.
- Scottish Dyes, Limited. (See Fairweather, D. A. W., and Thomas, assignors.)
- Scovill Manufacturing Company. (See Barratt, Joseph, assignor.)
- Scovill Manufacturing Company. (See Beardsley, Charles E., assignor.)
- Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
- Scovill Manufacturing Company. (See Boden, George, assignor.)
- Scovill Manufacturing Company. (See Case, Arthur F., assignor.)
- Scovill Manufacturing Company. (See Clemmons, Herbert D., assignor.)
- Scovill Manufacturing Company. (See Duncan, James F., assignor.)
- Scovill Manufacturing Company. (See Fenton, Paul E., assignor.)
- Scovill Manufacturing Company. (See Hickox, Sherman G., assignor.)
- Scovill Manufacturing Company. (See Janes, Edmund D., assignor.)
- Scovill Manufacturing Company. (See Johnson, Paul J., assignor.)
- Scovill Manufacturing Company. (See Killorin, Francis O., assignor.)
- Scovill Manufacturing Company. (See Le Page, Albert L., assignor.)
- Scovill Manufacturing Company. (See Littlejohn, Henry G., assignor.)
- Scovill Manufacturing Company. (See Mitchell, August, assignor.)
- Scovill Manufacturing Company. (See Moran, Joseph F., assignor.)
- Scovill Manufacturing Company. (See Price, William B., assignor.)

- Scovill Manufacturing Company. (See Reutter, Frederick, assignor.)
- Scovill Manufacturing Company. (See Reutter, Frederick R., assignor.)
- Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
- Scovill Manufacturing Company. (See Veillette, Jeffrey J., assignor.)
- Scovill Manufacturing Company. (See Wayne, Glenn H., assignor.)
- Scoville, Frank E., Portland, Oreg. Electrical heating device. 1,971,387; Aug. 28.
- Scoville, George L., Hamilton, Ohio, assignor to F. Greschel, Lakeland, Fla. Mail dispenser. 1,979,774; Nov. 6.
- Scoville, Ray R. (See Frayne, J. G., and Scoville.)
- Scowcroft, Jack. (See Kessler, F., Deyes, and Scowcroft.)
- Scown, George L., T. G. Stargel, and E. F. Mayer, Amarillo, Tex. Meat tenderer. 1,975,669; Oct. 2.
- Screen Advertising, Inc. (See Pistocco, Vendelo L., assignor.)
- Screw Machine Specialty Company. (See Welch, James W., assignor.)
- Scribante, Pompey P. (See Ramos, J. A., and Scribante.)
- Scribner, George K., assignor to Boonton Molding Company, Boonton, N. J. Oil bottle spout. 1,983,101; Dec. 4.
- Scribner, Walter, Glendale, Calif. Pipe sealing and centering apparatus. 1,974,878; Sept. 25.
- Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Taper roller and race assembly. 1,982,932; Dec. 4.
- Scrimgeour, William, Washington, D. C. Hollow forged valve and making the same. 1,950,953; Mar. 13.
- Scripps-Howard Supply Company, The. (See Schoultheis, William, assignor.)
- Scripture, Edward W., jr., Cleveland Heights, assignor to The Master Builders Company, Cleveland, Ohio. Process and composition of matter of protecting and coloring concrete. 1,953,397; May 8.
- Scripture, Edward W., jr., Cleveland Heights, assignor to The Master Builders Company, Cleveland, Ohio. Coloring concrete. 1,982,541; Nov. 27.
- Scrivenor, Arthur, Richmond, Va. Feed-water heater. 1,971,054; Aug. 21.
- Scrubby, Horace F., Los Angeles, Calif. Brake tester. 1,971,388; Aug. 28.
- Scrubby, Horace F., Beverly Hills, Calif. Fire grooving machine. 1,971,582; Aug. 28.
- Scruggs, Claude, Whitney, Tex. Can reconitioner. 1,961,832; June 5.
- Scruggs, Loyd, St. Louis, Mo. Power operated shaving apparatus. 1,941,583; Jan. 2.
- Scruggs, Oscar D., jr., Chattanooga, Tenn. Dough handling machine. 1,945,755; Feb. 6.
- Scruggs, Sam C., Whitney, Tex. Can seamer mechanism. 1,975,022; Sept. 25.
- Scruggs, Thomas M., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 1,941,510; Jan. 2.
- Scrutchfield, Paul H. (See Durant, W. W., and Scrutchfield.)
- Scudder, Frederick J. (See Williams, S. B., and Scudder.)
- Scullen, Stephen A., Cohoes, N. Y. Machine for fine grading. 1,956,931; May 1.
- Scullin, Harry, assignor to Scullin Steel Co., St. Louis, Mo. Steel house. 1,976,987; Oct. 16.
- Scullin Steel Company. (See Chiles, George S., assignor.)
- Scullin Steel Co. (See Scullin, Harry, assignor.)
- Scully, John T., New York, N. Y. Necktie. 1,972,906; Sept. 11.
- Scurlock, Lewis H., Chicago, Ill. Food container. Des. 91,971; Apr. 10.
- Scurlock, Lewis H., Chicago, Ill. Food container. Des. 92,981; Aug. 7.
- Scurlock, Lewis H., Chicago, Ill. Food container unit. Des. 94,099; Dec. 18.
- Scurlock, Lewis H., Chicago, Ill. Food container unit. 1,977,092; Oct. 16.
- Seabra, Alberto L., Sao Paulo, Brazil. Pneumatic wheel for vehicles. 1,965,058; July 3.
- Seabury, Ralph L., and L. W. Murray, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Brake lining composition. 1,969,041; Aug. 7.
- Seagers, Harrison M., assignor to Hulse Manufacturing Company, Geneva, N. Y. Device for marking golf balls. 1,953,992; Apr. 10.
- Seagram, Joseph E., & Sons, Inc. (See Guyer, William, assignor.)
- Seagram, Joseph E., & Sons, Ltd. (See Levine, Calman, assignor.)
- Seal, George H., Glendale, assignor to H. H. Walker, Inc., Los Angeles, Calif. Globe holder. 1,978,031; Oct. 23.
- Sealed Power Corporation. (See Johnson, Charles E., assignor.)
- Sealey, William C., McCandless Township, Allegheny County, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tap changing system. 1,975,176; Oct. 2.
- Seal-Kast Corporation. (See Muller, Ralph P., assignor.)
- Sealth Corporation. (See Finlayson, A., and Andrews, assignors.)
- Seaman, Charles, Jamaica Estates, N. Y. Sewing machine for making French seams. 1,949,762; Mar. 6.
- Seaman, Charles, Jamaica Estates, N. Y. Sewing machine attachment. 1,969,950; Aug. 14.
- Seaman, Charles, Ironwood, Mich. Comb for treating dandruff. 1,953,802; May 15.
- Seaman, David S., Providence, R. I. Spinning and twisting machinery. 1,978,001; Oct. 23.
- Seaman, Howard C., et al. (See Simmons, Finn, assignor.)
- Seaman Paper Company. (See Nash, William C., assignor.)
- Seaman, William H., Hammond, Ind. Chilled roll. 1,948,243; Feb. 20.
- Seaman, William H., Hammond, Ind. Chilled roll and making same. 1,948,244; Feb. 20.
- Seaman, William H., Hammond, Ind. Chilled roll and making same. 1,948,245; Feb. 20.
- Seaman, William H., Hammond, Ind. Metal roll. 1,948,246; Feb. 20.
- Seamark, Lewis M. C., St. Just, England. Casing head equipment. 1,942,366; Jan. 2.
- Seamark, Lewis M. C., Chagford, England. "Snubbing" apparatus for oil wells. 1,947,622; Feb. 20.
- Seamark, Lewis M. C., Chagford, England. Hydraulic accumulator. 1,959,552; May 22.
- Seamark, Lewis M. C., Chagford, England. Casing head equipment for bore-holes or wells. 1,981,431; Nov. 20.
- Seamless Rubber Company, The. (See De Laney, Wallace W., assignor.)
- Seamless Rubber Company, The. (See Weeks, Walter R., assignor.)
- Seamless Rubber Company, Incorporated, The. (See Crane, Myrick, assignor.)
- Seargeant, George H. (See Withers, V. M., and Seargeant.)
- Searight, William H., assignor to The Libbey Cataphote Corporation, Toledo, Ohio. Road marker. 1,983,102; Dec. 4.
- Searing, Frederick D. W., Newark, N. J. Stabilizing platform. 1,970,630; Aug. 21.
- Searle, Dudley F. (See Andersen, Waldemar F., assignor.)
- Searles, Raymond R. (See Cooper, E. H., Searles, and Smith.)
- Searles, Raymond R. (See Cooper, E. H., Searles, Smith, and Houston.)
- Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,955,097; Apr. 17.
- Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,955,254; Apr. 17.
- Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Closure ring for bearings. 1,957,001; May 1.
- Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Automobile steering connection. 1,957,002; May 1.
- Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,971,967; Aug. 28.
- Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. Des. 91,596; Feb. 20.
- Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Center bar for ophthalmic mountings. Des. 91,597; Feb. 20.
- Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. Des. 91,598; Feb. 20.
- Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,947,882; Feb. 20.
- Searles, Wayne S., Providence, R. I., assignor to Universal Optical Corporation. Nose pad. 1,981,432; Nov. 20.
- Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,983,500; Dec. 4.
- Sears, Edward S., Thornton Heath, assignor to Mable, Todd & Company, Limited, London, England. Fountain pen. 1,954,952; Apr. 17.
- Sears, Joseph M., San Antonio, Tex. Device for maintaining vegetables fresh. 1,985,464; Dec. 25.
- Sears, Roebuck & Co. (See Hauptli, Herbert A., assignor.)
- Sears, Roebuck and Co. (See Jaffe, Harry, assignor.)
- Sears, Roebuck and Co. (See Lee, Walter J., assignor.)
- Searson, Lawrence F. (See Gentile, William M., assignor.)
- Sease, Virgil B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction of viscosity of cellulose acetate. 1,961,251; June 5.
- Sears, Inc. (See Edgcombe, Charlie R. W., assignor.)
- Seats Inc. (See Zundel, Eugene A., assignor.)
- Seattle Cedar Lumber Manufacturing Company. (See Hilke, Henry C., assignor.)
- Seaver, Blake A. (See Officer, W. J., and Seaver.)
- Seaver, Edward D. (See Cates, V. K., Congreve, Pedersen, and Seaver.)
- Seaver, Elliot O., Meadville, Pa., assignor to Hookless Fastener Company. Slide fastener. 1,964,485; June 26.
- Seaver, Floyd, assignor to Swift and Company, Chicago, Ill. Sausage treating method. 1,983,681; Dec. 11.
- Seaver, Floyd, assignor to Swift and Company, Chicago, Ill. Smoking frankfurters. 1,984,435; Dec. 18.
- Seavey, Frederick B. (See Tibbitts, G. C., and Seavey.)
- Seavey, Frederick R., A. J. Phillips, and F. Olsen, Dover, N. J., assignors to The Cellulose Research Corporation. Bleaching cellulose. 1,975,590; Oct. 2.

- Seavoy, Gordon E. (See Crahan, P. F., Moulton, and Seavoy.)
- Sebastiani, Alfred D., Montreal, Quebec, Canada. Shoe shank. 1,982,357; Nov. 27.
- Sebek, Albert T., Cicero, Ill. Radiator cap. Des. 92,432; June 5.
- Sebell, Harry, Boston, assignor to one-half to A. H. Parker, Lexington, Mass. Can. 1,966,688; July 17.
- Sebell, Harry, Boston, assignor to one-half to A. H. Parker, Lexington, Mass. Method of and apparatus for making can ends. 1,975,979; Oct. 9.
- Sebrell, Lorin B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Making molds. 1,958,072; May 8.
- Sebrell, Lorin B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Derivatives of mercapto aryl thiazoles. 1,958,770; May 15.
- Sebrell, Lorin B., and A. M. Clifford, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Vulcanization accelerator. 1,948,317; Feb. 20.
- Sebring, Charles L., assignor to The Sebring Pottery Company, Sebring, Ohio. Sugar bowl. Des. 93,999; Dec. 4.
- Sebring, Charles L., assignor to The Sebring Pottery Company, Sebring, Ohio. Cup or similar article. Des. 94,000; Dec. 4.
- Sebring, Frank H., jr. (See Vaughan, A. H., and Oyster, assignors.)
- Sebring, Frank H., jr., L. C. Loschky, and J. T. Pugh, Salem, Ohio; said Loschky and said Pugh assignors to said Sebring. Apparatus for manufacturing pottery ware. 1,977,699; Oct. 23.
- Sebring, Frank H., jr., L. C. Loschky, and J. T. Pugh, Salem, Ohio; said Loschky and said Pugh assignors to said Sebring. Jigger for forming articles of plastic material. 1,977,700; Oct. 23.
- Sebring Pottery Company, The. (See Sebring, Charles L., assignor.)
- Secco, Anthony, New York, N. Y. Drafting instrument. 1,962,038; June 5.
- Sechi, Sebastiano, New York, N. Y. Illuminated sign. 1,977,093; Oct. 16.
- Sechler, William N., Evanston, assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe construction. 1,956,659; May 1.
- Sechler, William N., Evanston, and S. Goodman, assignors to The Florsheim Shoe Company, Chicago, Ill. Footwear. 1,945,122; Jan. 30.
- Sechrist, Monroe L., Red Lion, Pa. Merchandise box. 1,963,450; June 19.
- Secondo, Peter, Watsonville, Calif. Fruit washing machine. 1,964,275; June 26.
- Secret Cash Recorder Proprietary Limited. (See Johnston, B. H., and Mottershead.)
- Secretary of Commerce. (See Isbell, Horace S., assignor.)
- Secretary of War of The United States of America. (See Woodberry, David L., assignor.)
- Secrist, Horace A., Walpole, assignor to The Kendall Company, Boston, Mass. Catamenial bandage. 1,956,596; May 1.
- Security Investment Company of Whittier. (See Hammer, Otto, assignor.)
- Security Investment Company of Whittier. (See Vertson, John A., assignor.)
- Sedlmayer, Joseph, Siemensstadt, near Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Transmitting signals on short radiowaves. 1,954,185; Apr. 10.
- Sedwick, Matthew M. (See Kronquest, A. L., and Sedwick.)
- Sedwick, Matthew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for shaping metal can bodies. 1,984,600; Dec. 18.
- Sedwick, Matthew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Hand seamer for cans. 1,984,601; Dec. 18.
- See, Alva B., Greenwich, Conn., assignor to A. B. See Elevator Company, Inc. Elevator. 1,980,230; Nov. 13.
- Sée, Jacques, and L. Huot, assignors of one-half to Etablissements Hutchinson and one-half to Le Matériel Spécial L. M. S., Paris, France. Hydraulic pressure device for rolling mills. 1,980,882; Nov. 13.
- Seebach, Fritz. (See Elbel, E., and Seebach.)
- Seebach, Fritz, Erkner-Berlin, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin-Charlottenburg, Germany. Producing oil soluble phenolaldehyde condensation products. 1,944,016; Jan. 16.
- Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Conversion of resitols and resites into oil-soluble products. 1,971,507; Aug. 28.
- Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Combining hardenable phenol aldehyde condensation products and air drying oils. 1,985,264; Dec. 25.
- Seeburg, Justus P., et al. (See Dahlstrom, Arvid, assignor.)
- Seede, John A., Schenectady, N. Y., assignor to General Electric Company. Arc welding. 1,953,780; Apr. 3.
- Seedner, Jacob E., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Weighing device. 1,949,844; Mar. 6.
- Seedner, Jacob E., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Weighing device. 1,972,603; Sept. 4.
- Seederer-Kohlbusch, Inc. (See Gattoni, John, assignor.)
- Seederer-Kohlbusch, Inc. (See Seederer, Jacob E., assignor.)
- Seeger, Adolph M., Toledo, Ohio. Line holder for electric wires. 1,960,171; May 22.
- Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for electric elevators. 1,944,471; Jan. 23.
- Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,971,921; Aug. 28.
- Seeger, Edwin W., Wauwatosa, and E. U. Lassen, West Allis, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,947,677; Feb. 20.
- Seeger, Edwin W., Wauwatosa, and J. L. Defandorf, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control system. 1,968,358; July 31.
- Seeger, Gustave R. (See Seeger, Walter G. and G. R.)
- Seeger Refrigerator Company. (See Davis, W. F., and Norelius, assignors.)
- Seeger Refrigerator Company. (See Seeger, Walter G. and G. R., assignors.)
- Seeger Refrigerator Company. (See Swedman, E., and Ellsworth, assignors.)
- Seeger, Walter G. and G. R., assignors to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator closure. 1,980,005; Nov. 6.
- Seek, Victor, Wenden, Ariz. Scraper. 1,961,531; June 5.
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Moisture resistant fibrous material. 1,957,912; May 8.
- Seelert, Frederick W., Minneapolis, Minn. Pilot for valve seat facing tools. 1,950,522; Mar. 13.
- Seeley, Fayette M., assignor to Ideal Power Lawn Mower Company, Lansing, Mich. Lawn mower. 1,966,972; July 17.
- Seeley, Frank E., Rye, assignor to American Radiator Company, New York, N. Y. Inclosure for radiators. 1,974,380; Sept. 18.
- Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Speed responsive means. 1,958,250; May 8.
- Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Control system. 1,967,907; July 24.
- Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Prime mover dynamo-electric plant. 1,962,942; June 12.
- Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Control system. 1,962,943; June 12.
- Seeley, Harold T., Yeadon, Lansdowne, Pa., assignor to General Electric Company. Control system. 1,964,536; June 26.
- Seeley, Stuart W., Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical condenser. 1,942,153; Jan. 2.
- Seeley, Stuart W., Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio phonograph amplifier. 1,959,111; May 15.
- Seeley, Stuart W., and G. Mountjoy, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving set. 1,985,696; Dec. 25.
- Seeley, William L. (See Trumble, M. J., and Seeley.)
- Seeligson, Walter M., San Antonio, Tex. Cotton compress. 1,975,295; Oct. 2.
- Seely, John M. (See Spriggs, A. O., and Seely.)
- Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Safety device. 1,960,287; May 29.
- Seeman Brothers, Inc. (See Goodwin, Benjamin F., assignor.)
- Seemiller, Paul R. (See Schank, H. E., and Seemiller.)
- Seese, Robert S., Detroit, Mich. Automatic reclosing circuit breaker. 1,954,849; Apr. 17.
- Seese, Robert S., Detroit, Mich. Circuit breaker. 1,957,734; May 8.
- Seese, Robert S. C., Detroit, Mich. Trip coil. 1,941,511; Jan. 2.
- Seewagen, Phillip A., Los Angeles, Calif. Perfume vaporizer. 1,966,738; July 17.
- Seewald, Gilbert M. (See King, Charles W., assignor.)
- Seft, Rudolph R., Brackenridge, Pa. Shear guide. 1,979,413; Nov. 6.
- Sefton National Fibre Can Co. (See Ellstrom, Elmer G., assignor.)
- Sefton, Richard, Cleveland, Ohio. Pneumatic spring. 1,950,013; Mar. 6.
- Segal, Hyman R., New York, N. Y. Shaving brush. 1,956,477; Apr. 24.
- Segal, Hyman R., New York, N. Y. Pipe. 1,960,318; May 29.
- Segal, Hyman R., New York, N. Y. Key retainer. 1,966,937; July 17.
- Segal, Hyman R., New York, N. Y. Dispensing device. 1,969,905; Aug. 14.
- Segal, Hyman R., New York, N. Y. Key retainer. 1,975,334; Oct. 2.
- Segal, Hyman R., New York, N. Y. Milk dispensing device. 1,977,292; Oct. 16.
- Segal, Samuel, New York, N. Y. Window lock fastener. 1,942,219; Jan. 2.
- Segal, Samuel, New York, N. Y. Cutting, filing, and scrap- ing implement. 1,942,220; Jan. 2.
- Segal, Samuel, New York, N. Y. Filing, cutting, scrap- ing, and manicuring implement. 1,969,100; Aug. 7.

- Segal, Samuel, New York, N. Y. Telephone lock. 1,984,089; Dec. 11.
- Segall, Karl B., et al. (See Heath, Forrest A., assignor.)
- Seghers, Emiel P., Chicago, Ill. Decorative lighting for Christmas trees. 1,974,472; Sept. 25.
- Segnitz, Paul H., Milwaukee, Wis., assignor to The Shaler Company, Wilmington, Del. Combustion and heat transferring unit and manufacturing the same. 1,958,803; May 15.
- Segraves, Sherrod E. (See Owen, Raymond H., assignor.)
- Seguin, Oscar J. (See Flanagan, George P., assignor.)
- Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,949,765; Mar. 6.
- Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,954,331; Apr. 10.
- Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,957,810; May 8.
- Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Conversion and coking of hydrocarbon oils. 1,960,598; May 29.
- Sehring, Frank, Astoria, Long Island, N. Y. Hair curler. 1,978,394; Oct. 23.
- Seiberling Latex Products Company. (See Belton, Porter L. and O. L., assignors.)
- Seiberling Rubber Company. (See Alexander, H. S., Pfeiffer, and White, assignors.)
- Seiberling Rubber Company. (See Goodwin, John O., assignor.)
- Seibert, Carl F., Hamilton, and E. J. Seibert, Cincinnati, Ohio. Vehicle treating device. 1,970,674; Aug. 21.
- Seibert, Elmer J. (See Seibert, Carl F. and E. J.)
- Seibert, Frank. (See Hruska, Alois, assignor.)
- Seibert, William L., Fort Monmouth, N. J. Electron tube circuit. 1,942,983; Jan. 9.
- Seibt, Georg, Berlin-Schöneberg, Germany. Apparatus for producing high ohmic resistances or the like. 1,965,059; July 3.
- Seidel, Ad., & Sons. (See Zeimet, Frank, assignor.)
- Seidel, Fritz. (See Uhlmann, A., Seidel, and Ronke.)
- Seidel, Morris, Brooklyn, assignor of one-half to Leon Sanders, New York, N. Y. Filtering faucet. 1,958,073; May 8.
- Seidenfaden, Wilhelm. (See Zitscher, A., and Seidenfaden.)
- Seidenfaden, Wilhelm. (See Zitscher, A., Seidenfaden, and Jellinek.)
- Seiders-Mather Corporation. (See Mason, Charles C., assignor.)
- Seiders-Mather Corporation. (See Thode, William N., assignor.)
- Seidlitz, Walter G. (See Boedeker, W. U., and Siedlitz.)
- Seidner, Otto, assignor to Otto Seidner, Inc., Westerly, R. I. Bottle. Des. 93,524; Oct. 2.
- Seidner, Otto, Inc. (See Seidner, Otto, assignor.)
- Seifer, Judah I., Toronto, Ontario, Canada. Container. 1,975,804; Oct. 9.
- Seifert, Earl J. (See Wheeler, S. L., and Seifert.)
- Seifert, Karl M., Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to The Griffith Laboratories, Chicago, Ill. Salt mixtures. 1,950,459; Mar. 13.
- Seifert, William V., Denver, Colo., assignor to Superior Rig and Bit Company. Drill bit. 1,974,756; Sept. 25.
- Seiferth, Hugo, Dusseldorf-Oberkassel, Germany. Apparatus for rolling sections having transverse ribs. 1,967,787; July 24.
- Seiferth, Hugo, Dusseldorf-Oberkassel, Germany. Apparatus for producing profile metal articles. 1,967,788; July 24.
- Seifferle, Oliver, assignor to International Air Brake Control Company, Portland, Ore. Pressure control device for air brake mechanism. 1,980,504; Nov. 13.
- Seigle, William. (See Seigle, Maurice and W.)
- Seigle, William, et al. (See White, Holland V., assignor.)
- Seigle, William R., Mamaroneck, assignor to Johns-Manville Corporation, New York, N. Y. Treated fibrous material and making the same. 1,982,542; Nov. 27.
- Seijo, Modesto F., Newark, N. J. Life saving mask. 1,945,919; Feb. 6.
- Seijo, Modesto E., Newark, N. J. Mask for the absorption of poisonous gases. 1,948,945; Feb. 27.
- Seil, Gilbert E., Conshohocken, assignor to E. J. Lavino and Company, Philadelphia, Pa. Granular material for gas purification and making the same. 1,971,969; Aug. 28.
- Sellaz, Léon A., Zurich, Switzerland. Haircutting appliance. 1,951,775; Mar. 20.
- Seller, Michael I., assignor to Keystone Reamer & Tool Co., Millersburg, Pa. Glaze cutter. 1,946,416; Feb. 6.
- Seller, Sam, Clermont, Fla. Steering wheel. 1,983,195; Dec. 4.
- Seip, Meinhardt M., assignor to Stuber & Kuck Co., Peoria, Ill. Receptacle. 1,955,610; Apr. 17.
- Seiss, George J., Toledo, Ohio. Electric lamp bulb connector. 1,983,818; Dec. 11.
- Seiter, Fritz. (See Elbel, E., and Seiter.)
- Seitz, Charles A., Tecumseh, Mich., and J. C. Bostain, assignors to The Williamson Heater Company, Cincinnati, Ohio. Air conditioning system. 1,951,997; Mar. 20.
- Seitz, Friedrich, Gieselwerder on the Werra, Germany. Machine for the manufacture of shells for metal cups and similar articles. 1,954,332; Apr. 10.
- Seitz, Gustav, et al. (See Eisenach, Fritz, assignor.)
- Seitz, Jacob A., Syracuse, N. Y. Convertible berth chair. 1,964,187; June 26.
- Seitz, Jacob A., Syracuse, N. Y. Coupling for trailers. 1,983,317; Dec. 4.
- Seitz, Joseph J., assignor to Mitchell Specialty Company, Philadelphia, Pa. Door retainer. 1,965,672; July 10.
- Seitz, Oskar, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric current rectifying device. 1,963,810; June 19.
- Seitz, Oskar, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric rectifier construction. 1,973,675; Sept. 11.
- Seitz, Oskar, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Cooling system for electric discharge devices. 1,975,484; Oct. 2.
- Seitz, Paul, and W. Depenbrock, assignors to Seitz-Werke G. m. b. H., Kreuznach, Germany. Automatic weight recording device. 1,971,878; Aug. 28.
- Seitz-Werke G. m. b. H. (See Depenbrock, Wilhelm, assignor.)
- Seitz-Werke G. m. b. H. (See Seitz, P., and Depenbrock, assignors.)
- Seitzinger, William M. (See Avery, T. M., and Seitzinger.)
- Sekella, Youston, assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,942,573; Jan. 9.
- Sekine, Ioji, New York, N. Y. Display box. Des. 92,775; July 10.
- Selas Aktiengesellschaft. (See Wolff, Friedrich, assignor.)
- Selby, Charles M., assignor to Holland Furnace Company, Holland, Mich. Draft damper closer. 1,950,755; Mar. 13.
- Selby, Charles M., assignor to Holland Furnace Company, Holland, Mich. Radioreceiver distributing system. 1,952,514; Mar. 27.
- Selby, George P., South San Francisco, Calif. Door buffer. 1,958,318; May 8.
- Selden Company, The. (See Fiedler, F. P., and Jaeger, assignors.)
- Selden Company, The. (See Jaeger, Alphons O., assignor.)
- Selden Company, The. (See Jaeger, A. O., and Daniels, assignors.)
- Selden Company, The. (See Jaeger, A. O., and Witzel, assignors.)
- Selden Company, The. (See Koetz, Johannes L., assignor.)
- Selden Company, The. (See Pietzsch, Kurt F., assignor.)
- Selden Company, The. (See West, Herbert J., assignor.)
- Selden Company, The. (See Witzel, Heinrich W., assignor.)
- Selden Research & Engineering Corporation, The. (See Jaeger, Alphons O., assignor.)
- Selden Research & Engineering Corporation, The. (See Jaeger, A. O., and Daniels, assignors.)
- Selected Products Corporation. (See Humphreys, Edwin S., assignor.)
- Selen, Edward J., assignor of one-half to G. A. Grajewski, Chicago, Ill. Box attachment device. 1,957,003; May 1.
- Seley, Charles A., assignor to Locomotive Firebox Company, Chicago, Ill. Spark arrester. 1,977,410; Oct. 16.
- Self, Grafton H., Twin Falls, Idaho. Luggage carrier. 1,976,146; Oct. 9.
- Self, Grafton H., assignor of one-half to Andrew J. Bockwitz, Twin Falls, Idaho. Bean harvester. 1,944,829; Jan. 23.
- Self Feeding Carburetor Company. (See Funderburk, Otis C., assignor.)
- Self-Locking Carton Co. (See Allan, John, assignor.)
- Self-Locking Carton Company. (See Berkey, Peter, assignor.)
- Self-Locking Carton Co. (See Burger, Martin, assignor.)
- Self-Locking Carton Company. (See Levine, Henry, assignor.)
- Self-Locking Carton Company. (See Walsh, John E., assignor.)
- Selfridge, John H., South Euclid, Ohio. Shower head. Des. 93,638; Oct. 16.
- Seliga, Edward M., St. Louis, Mo. Collection indicator. 1,971,508; Aug. 28.
- Seliger, Hellmuth. (See Pokorny, E., and Seliger.)
- Seligman, Louis. (See Seligman, Samuel and L.)
- Seligman, Samuel, New York, and L. Seligman, Bronx, N. Y. Knitted fabric. Des. 93,681; Oct. 23.
- Seligmann, Arthur, Dusseldorf, Germany. Apparatus for producing solid carbon dioxide. 1,968,318; July 31.
- Sellmos, Christ A., Cicero, Ill. Drain controls for sewers and the like. 1,951,632; Mar. 20.
- Selje, Frederick A., assignor to Chrysler Corporation, Detroit, Mich. Curtain and curtain retaining mechanism. 1,952,689; Mar. 27.
- Sell, Helmut, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Microphone for the deaf. 1,944,720; Jan. 23.
- Sell, Helmut, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Control device for electric currents. 1,944,721; Jan. 23.
- Sellers, Elmer J., Kutztown, Pa. Fly casting basket reel. 1,947,141; Feb. 13.
- Sellers, G. I., & Sons Company, Incorporated. (See Connell, William J., assignor.)

- Sellers, Noah A., Memphis, Tenn. Lubricating device. 1,960,070; May 22.
- Sellers, Noah A., and C. J. Barnett, Memphis, Tenn. Track sander. 1,949,977; Mar. 6.
- Sellers, William, & Company Incorporated. (See McClintock, John D., assignor.)
- Sellers, William D., Oak Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,965,614; July 10.
- Sellers, William D., Oak Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,965,615; July 10.
- Sellin, Walter, Schramberg, Germany. Time-mechanism for operating electric switches or the like. 1,953,511; Apr. 3.
- Sellman, Folke E., Scarsdale, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigerator construction. 1,949,663; Mar. 6.
- Sells, Ogden S., San Francisco, Calif., and H. J. Wheeler, Buffalo, N. Y., assignors to Sprague-Sells Corp., Hoopes-ton, Ill. Conveyor for feeding corn husking machines. 1,948,545; Feb. 27.
- Sells, Stanley N., Columbus, Ohio. Portable motor. 1,981,076; Nov. 20.
- Selman, George S., assignor to The Manganese Bronze & Brass Company, Limited, London, England. Propeller and the like. 1,981,392; Nov. 20.
- Seltzer, Samuel, Philadelphia, Pa. Feeding and arranging mechanism. 1,982,458; Nov. 27.
- Semans, Harry L., Pittsburgh, Pa., and G. T. Heddaeus, assignors to Refrigerating Equipment Company, Wil-mington, Del. Refrigerating system. 1,984,289; Dec. 11.
- Semar, Louis, Anacortes, Wash. Releasable sinker. 1,943,192; Jan. 9.
- Semet-Solvay Company. (See Cobb, Herbert B., assignor.)
- Semet-Solvay Company. (See Conklin, E. B., and Law-ton, assignors.)
- Semet-Solvay Engineering Corporation. (See McIntire, Charles V., assignor.)
- Semet-Solvay Engineering Corporation. (See Schrader, L. F., and Hart, assignors.)
- Semet-Solvay Engineering Corporation. (See Steere, Frank W., assignor.)
- Semet-Solvay Engineering Corporation. (See Steere, George R., assignor.)
- Semet-Solvay Engineering Corporation. (See Tweit, Olav, assignor.)
- Semet-Solvay Engineering Corporation. (See Wingert, William B., assignor.)
- Seminole Flavor Company. (See Little, Charles D., as-signor.)
- Semkow, John, New York, N. Y. Bath spray device. 1,942,905; Jan. 9.
- Semler, Clyde M., Cuyahoga Falls, Ohio. Tire curing bag. 1,963,871; June 19.
- Semler, Clyde M., Stow, Ohio. Curing bag. 1,981,201; Nov. 20.
- Semmer, Donald C., Pittsburgh, Pa. Production of ex-pansive fluid. 1,953,870; Apr. 3.
- Semmes, Harry H., Chevy Chase, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Seaplane. 1,957,675; May 8.
- Semmes, Harry H., Chevy Chase, Md., assignor to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Auto-matic brake tester. 1,981,474; Nov. 20.
- Semon, Waldo L. (See Zimmerli, W. F., and Semon.)
- Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Recovering amines and phenols from their aqueous solutions. 1,942,838; Jan. 9.
- Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufac-ture of rubber articles. 1,969,101; Aug. 7.
- Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufac-turing secondary aromatic amines. 1,980,102; Nov. 6.
- Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymeriz-ing vinyl chloride. 1,983,949; Dec. 11.
- Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Age-resister. 1,965,948; July 10.
- Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Remov-ing primary aromatic amines from aqueous solution. 1,968,913; Aug. 7.
- Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,968,914; Aug. 7.
- Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,975,734; Oct. 2.
- Semon, William H., assignor to National Liquid Register Company, Minneapolis, Minn. Combination liquid regis-tering meter and faucet. Des. 92,321; May 22.
- Semon, William H., assignor to National Liquid Register Company, Minneapolis, Minn. Combination liquid regis-tering meter and faucet. Des. 92,322; May 22.
- Semon, William H., assignor to National Liquid Register Company, Minneapolis, Minn. Combination liquid regis-tering meter and faucet. Des. 92,323; May 22.
- Semple, George C. (See Shaw, C., Semple, and Thomson.)
- Sempliner, Sydney. (See Braun, F. W., and Sempliner.)
- Sena, Saverio, Hartford, Conn. Bathtub shower device. 1,964,387; June 26.
- Senat, Herbert D., Glenolden, Pa. Cardboard or paper box. 1,960,925; May 29.
- Senauke, Alexander, New York, N. Y. Radioreceiver. Re19,170; May 15.
- Senauke, Alexander, New York, N. Y. Tuning indicator system for radioreceivers. 1,961,574; June 5.
- Sendrowitz, Max, Brooklyn, N. Y. Adjustable brush. 1,959,767; May 22.
- Seneca Falls Machine Company. (See Smith, Edwin R., assignor.)
- Seneca Falls Machine Company. (See Smith, E. R., and Peterson, assignors.)
- Seneca Falls Machine Company. (See Smith, E. R., and Schinkez, assignors.)
- Senense, Celedonio, et al. (See Acasio, Leopoldo, assignor.)
- Senft, John, York, assignor to The McKay Company, Pitts-burgh, Pa. Tire chain. 1,976,527; Oct. 9.
- Sengbusch, Gustav J., Milwaukee, Wis. Inkwell. 1,949,493; Mar. 6.
- Sengpiel, William A., assignor to The Sikes Company, Philadelphia, Pa. Safety means for chairs. 1,942,781; Jan. 9.
- Sengstaken, John H., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Air heater for pulver-izers. 1,955,255; Apr. 17.
- Senif, Louis B. (See O'Brien, John M., assignor.)
- Seniff, Russell W., Bloomington, Ill. Foam indicating apparatus for steam boilers. 1,977,898; Oct. 23.
- Senik, John, Vandalia, Ill., and H. Moranville, assignors to Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoe strap punch. 1,962,914; June 12.
- Seninger, Frank, F. A. Goeke, A. A. A. Nash, and L. A. Dell'Orco, St. Louis, Mo. Builder's tool or implement. 1,985,383; Dec. 25.
- Senkewitz, Charles F., Dearborn, Mich. Stud driver. 1,968,058; July 31.
- Senn, Charles W., Wildwood, N. J. Massaging device. 1,969,042; Aug. 7.
- Senseman, William B., Los Angeles, Calif., assignor to The Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Calcining gypsum. 1,984,201; Dec. 11.
- Sentner, Preston J., and J. A. Weir, Charlottetown, Prince Edward Island, Canada. Collapsible runner. 1,974,163; Sept. 18.
- Sentry Company, The. (See Crocker, Percival B., as-signor.)
- Sentry Lock Company, Inc. (See Hays, John J., assignor.)
- Senz, Anthony W., Chicago, Ill. Bathing cap. Des. 93,053; Aug. 14.
- Senzk, Charles, Sauk Rapids, Minn. Straw rack. 1,965,782; July 10.
- Seppeler, Eduard, Berlin-Neukolln, Germany. Variable pitch screw. 1,955,688; Apr. 17.
- Sereff, Peter H., Denver, Colo. Soffit hook hanger. 1,953,315; Apr. 3.
- Seregi, Anthony, New York, N. Y. Folding sunshade. 1,965,262; July 3.
- Seregi, Anthony, assignor to M. Seregi, New York, N. Y. Combined window and sun shade. 1,958,074; May 8.
- Seregi, Marie. (See Seregi, Anthony, assignor.)
- Serenberg, Russell A., and C. and P. Marienthal, Detroit, Mich., assignors to Steel Materials Company. Bumper attachment. 1,978,767; Oct. 30.
- Serene, James A., assignor of one-half to W. R. Serene, Kittanning, Pa. Climber. 1,981,755; Nov. 20.
- Serene, William R. (See Serene, James A., assignor.)
- Sergeant, Charles H., deceased, Long Island City; D. B. Sergeant, administratrix. Internal combustion engine. 1,979,711; Nov. 6.
- Sergeant, Dorothea, administratrix. (See Sergeant, Charles H.)
- Seright, Warren A., Fruitland, Iowa. Vine cutter. 1,974,346; Sept. 18.
- Serpa, Louis F., Oakland, Calif. Clothes drier. 1,949,978; Mar. 6.
- Serra, Luigi M., Washington, D. C. Floor-block or stone. 1,961,677; June 5.
- Serragli, Giovanni, Florence, Italy. System of rotating wings controlled by an automatic rudder. 1,967,329; July 24.
- Serre, Eugene E. C., Paris, France. Machine for decor-ticating maize cobs. 1,966,871; July 17.
- Serre, Eugene E. C., Toulouse, France. Receptacle. 1,977,922; Oct. 23.
- Serrell, John A., Pass-A-Grille, Fla., assignor to Warren Webster & Company, Camden, N. J. Thermally respon-sive system. 1,984,437; Dec. 18.
- Serrington, William B., assignor to Charak Chemical Com-pany, Boston, Mass. Fabric and making same. 1,967,267; July 24.
- Serrington, William B., Roxbury, assignor to Charak Chem-ical Company, Boston, Mass. Fabric and method of and composition for making the same. 1,967,268; July 24.
- Sertillange, Maurice A., Brest, assignor to Etablissements Paul Duclos, Marseille, France. Remote control de-vice. 1,975,023; Sept. 25.
- Serv-A-Towel Manufacturing Company. (See Hondeville, August I., assignor.)
- Servel, Inc. (See Kuenzli, W. A., and Ploeger, assignors.)
- Servel, Inc. (See Nave, A. E., and Nauert, assignors.)
- Servel Inc. (See Peltier, F. D., and Ploeger, assignors.)
- Servel, Inc. (See Ploeger, Clyde E., assignor.)
- Servel, Inc. (See Tanger, Chelton H., assignor.)
- Servel Sales, Inc. (See Smith, Albert C., assignor.)

- Service, Henry H., and E. E. Chapman, Topeka, Kans. Car coupler. 1,954,578; Apr. 10.
- Service Recorder Company, The. (See Cool, Henry R., assignor.)
- Service Station Equipment Company. (See Barr, Giles V., assignor.)
- Service Station Equipment Company. (See Brouse, William H. D., assignor.)
- Service Station Equipment Company. (See Prescott, Le Roy A.)
- Service Station Equipment Company. (See Retsema, Jay, assignor.)
- Service Station Equipment Company. (See Willson, David S., assignor.)
- Service Station Equipment Company. (See Woodford, Joseph C., assignor.)
- Servidor Company, The. (See Matchette, Frank J., assignor.)
- Servo-Frein Dewandre Societe Anonyme. (See Dewandre, Albert, assignor.)
- Séry, Claude, Aix-en-Provence, assignor to Societe à Responsabilité limitée Etablissements Rotatiss, Paris, France. Machine for manufacturing tubular fabric. 1,947,924; Feb. 20.
- Sesame Company, The. (See Denerich, Anthony J., assignor.)
- Sessions Clock Company, The. (See Mazur, Samuel, assignor.)
- Sessions, Loys R., and J. B. Black, Waxahachie, Tex. Motor vehicle jack. 1,984,766; Dec. 18.
- Sessions, Royal L., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Treating ore material with a complex brine. 1,977,648; Oct. 23.
- Sessions, Royal L., assignor, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ore material. 1,979,287; Nov. 6.
- Sessions, William C. (See Ramey, B. E., and Sessions.)
- Sessler, Frederick J., Sheboygan, Wis. Sanitary container. 1,974,630; Sept. 25.
- Sethman, Retus W. (See Harris, S. W., Jennings, and Sethman.)
- Setoguchi, Kazuo, and M. Sakurai, Tokyo, Japan, assignors to General Electric Company. Apparatus for cutting wire into lengths. 1,942,069; Jan. 2.
- Set-O-Type Manufacturing Company. (See Poeppelmeier, Frank H., assignor.)
- Settegast, Bernhard. (See Rudolph, W., and Settegast.)
- Setterberg, Carl T., et al. (See Tydén, Einar O. E., assignor.)
- Settergren, Bror K., Bluffton, Ind. Piano construction. 1,985,746; Dec. 25.
- Setterwall, Folke, N. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmö, Sweden. Variable leverage brake rigging. 1,949,187; Feb. 27.
- Setterwall, Folke N. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmö, Sweden. Variable leverage mechanism. 1,959,308; May 15.
- Settles, Jacob T., Carnegie, Okla. Combination tool. 1,949,335; Feb. 27.
- Seul, Edmund, Maplewood, Mo. Badge. 1,965,862; July 10.
- Seuffert, Otto, and E. Ihwe, Darmstadt, Germany. Manufacture of hydrazine. 1,959,503; May 22.
- Sev. Inc. (See Sutton, J. L., and Van Walsbouser, assignors.)
- Seyer, William, Bramhope, near Leeds, England. Device for measuring the lengths of fibers or filaments. 1,980,883; Nov. 13.
- Severance, Malvern W. (See Dunzweiler, C. J., and Severance.)
- Severn, Arthur B., assignor to A. Stuckl, Pittsburgh, Pa. Roller side bearing. 1,950,523; Mar. 13.
- Severn, Arthur B., assignor to A. Stuckl, Pittsburgh, Pa. Side bearing. 1,961,794; June 5.
- Seversky Aircraft Corporation. (See Procoffieff-Seversky, Alexander, assignor.)
- Severson, Carl J., Glen Lake, assignor to Instant Cooler Company, Inc., Minneapolis, Minn. Milk cooler. 1,972,360; Sept. 4.
- Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Expanding boring head. 1,956,364; Apr. 24.
- Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Expansion reamer. 1,960,319; May 29.
- Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Cross locked inserted blade cutter. 1,962,725; June 12.
- Severtson, Sigmund E., Kenneth, Minn. Covering attachment for planters. 1,981,393; Nov. 20.
- Severus, Louis. (See Brosilow, L., and Severus.)
- Severy, Melvin L., assignor to The Vocalsevro Company, Los Angeles, Calif. Electrical musical instrument. 1,941,870; Jan. 2.
- Severy, Melvin L., assignor to The Vocalsevro Company, Los Angeles, Calif. Producing and augmenting electrical pulsations used in musical instruments. 1,957,152; May 1.
- Severy, Melvin L., assignor to The Vocalsevro Company, Los Angeles, Calif. Permuting the intensity and quality of musical tones. 1,977,598; Oct. 16.
- Severy, Victor H., Los Angeles, Calif., assignor to Central Commercial Company, Chicago, Ill. Musical instrument. 1,958,866; May 15.
- Sevigny, Wilfred, Detroit, Mich. Garment hanger. 1,955,205; Apr. 17.
- Sevison, Luther J., South Bend, Ind. Fuel mixer. 1,967,380; July 24.
- Sewall, Arthur C., Richmond, Maine. Shoe counter. 1,968,572; July 31.
- Seward, Clarence L., jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Magnetic compass. 1,983,103; Dec. 4.
- Seward, Robert B., Guilford, Conn., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding table. 1,951,884; Mar. 20.
- Sewell, Leonard G., and F. P. Stowell, Buxton, England, assignors to Imperial Chemical Industries Limited. Production of hydrated lime. 1,960,756; May 29.
- Sexsmith, A. W., et al. (See Buchhardt, Enghardt H., assignor.)
- Sexton, August H., assignor to Superior Cement Corporation, Portsmouth, Ohio. Table for manufacturing cementitious tile. 1,955,611; Apr. 17.
- Sexton, George N., Richmond, Va. Electrical heater. 1,941,584; Jan. 2.
- Sexton, Lee W., Easton, Pa., assignor to Binney & Smith Company. Sterile modeling clay. 1,979,016; Oct. 30.
- Sexton Manufacturing Company. (See Vennewitz, Stephen O., assignor.)
- Sexton, Wilfred A. (See Bunbury, H. M., Sexton, and Stewart.)
- Seybold, Frederick W., assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Paper cutting machine. Re19,172; May 22.
- Seybold, Frederick W., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Safety control for cutting machines. 1,952,291; Mar. 27.
- Seybold, Frederick W., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Knife grinder. 1,979,775; Nov. 6.
- Seyferth, Carl G., assignor to West Michigan Steel Foundry Co., Muskegon, Mich. Fifth wheel construction. 1,968,573; July 31.
- Seyffer, Charles J., Astoria, N. Y. Combined brush and paste tube. 1,977,212; Oct. 16.
- Seyforth, Otto A., Muskegon, and H. E. Swanson, Muskegon Heights, assignors to Austin Machinery Corporation, Muskegon, Mich. Trencher. 1,959,768; May 22.
- Seyforth, Rome C., Lowell, Mich. Doorcheck. 1,983,999; Dec. 11.
- Seyforth, Rome C., assignor to Lowell Manufacturing Company, Lowell, Mich. Sprayer. 1,943,092; Jan. 9.
- Seyfried, Arthur W. (See Frantz, W. A., and Seyfried.)
- Seyfried, Warren R., Birmingham, Ala. Producing dicalcium phosphate. 1,969,951; Aug. 14.
- Seyl, Joseph C., Evanston, Ill. File cabinet drawer. 1,966,689; July 17.
- Seyler, Hobart W. (See Bircher, J. R., Seyler, and Wells.)
- Seymour, George. (See Smith, Glenn R., assignor.)
- Seymour, George W. (See Moss, W. H., and Seymour.)
- Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Derivative of cellulose solvent and employing the same. 1,962,157; June 12.
- Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Forming aliphatic derivatives of aromatic compounds. 1,972,956; Sept. 11.
- Seymour, Herman L., Jacksonville, Fla., assignor to The Philip Carey Manufacturing Company. Roofing. 1,967,105; July 17.
- Seymour, Merrill W. (See Capstaff, J. G., and Seymour.)
- Seymour, Merrill W., Irondequoit, assignor to Eastman Kodak Company, Rochester, N. Y. Making wash-off relief images. 1,946,640; Feb. 13.
- Seymour, Merrill W., Irondequoit, assignor to Eastman Kodak Company, Rochester, N. Y. Producing color photographic images by development. 1,969,479; Aug. 7.
- Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Control of contrast with color developers. 1,954,335; Apr. 10.
- Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Reproducing color records. 1,976,300; Oct. 9.
- Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic material for making colored prints. 1,984,090; Dec. 11.
- Seymour, Merrill W., Rochester, N. Y., and R. L. Burwell, jr., Annapolis, Md., assignors to Eastman Kodak Company, Rochester, N. Y. Producing a plurality of colored images in a single photographic emulsion layer. 1,976,301; Oct. 9.
- Sgonina, Adolf J., St. Louis, Mo. Pneumatic tool. 1,976,524; Oct. 9.
- Sguella, Joseph P., assignor to Anthony Oechs & Company, Incorporated, New York, N. Y. Bottle. Des. 91,503; Feb. 13.
- Shackleton, Samuel P. (See Glezen, L. L., and Shackleton.)
- Shackleton, Samuel P., Wyoming, and P. G. Edwards, Millburn, N. J., assignors to American Telephone and Telegraph Company. Automatic balancing arrangement. 1,960,350; May 29.
- Shade, John T., Altoona, Pa. Guide for pipe cleaning devices. 1,982,402; Nov. 27.
- Shadlowsky, Joseph, Passaic Park, N. J. Garment button. Des. 91,739; Mar. 13.
- Shafer Bearing Corporation. (See Peterson, Victor W., assignor.)

- Shaffer, Clarence W. (See Pealer, R. B., and Shafer.)
 Shafer, Clarence W., assignor to The Borden Company, Warren, Ohio. Pipe cutter. 1,968,857; Aug. 7.
 Shafer, Ira C., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal. 1,969,529; Aug. 7.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car door locking and operating means. 1,946,714; Feb. 13.
 Shafer, James A., East Cleveland, assignor to National Malleable Steel Castings Company, Cleveland, Ohio. Lock. 1,949,633; Mar. 6.
 Shafer, James A., East Cleveland, assignor to National Malleable Steel Castings Company, Cleveland, Ohio. Railway hopper car discharge door. 1,949,664; Mar. 6.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft gear and car construction. 1,955,838; Apr. 24.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 1,964,183; June 26.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 1,964,184; June 26.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 1,973,663; Sept. 11.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 1,973,664; Sept. 11.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Safety supporting means for brake beams. 1,975,869; Oct. 9.
 Shafer, Samuel, Jr., assignor to Chain Belt Company, Milwaukee, Wis. Head shaft mounting and assembly for sludge removing apparatus. 1,956,206; Apr. 24.
 Shafer, Samuel, Jr., Milwaukee, Wis., assignor, by mesne assignments, to Trolley Conveyors Development Foundation, Inc., Detroit, Mich. Trolley conveyor. 1,962,531; June 12.
 Shaff, Ernest H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Pressure fluid operated tool. 1,946,548; Feb. 13.
 Shaffer, Charles M., Deep River, Iowa. Hot air heating system. 1,966,360; July 10.
 Shaffer, Elgie R., Columbus, Ohio. Trailer coupling. 1,945,921; Feb. 6.
 Shaffer, Glenn A., assignor to Fort Howard Paper Company, Green Bay, Wis. Sheet dispensing device. 1,975,557; Oct. 2.
 Shaffer, Glenn A., and F. H. Wirtz, Green Bay, Wis., assignors to The White Castle System of Eating Houses Corporation, Wichita, Kans. Headgear. 1,955,098; Apr. 17.
 Shaffer, John C., Hodgenville, Ky. Mechanical toy horse. 1,957,110; May 1.
 Shaffer, Lloyd R. (See Pfaff, H. E., Shaffer, and Methereil.)
 Shaffer, William D., Brea, Calif. Closing off flow between well casings and inside tubings. 1,963,683; June 19.
 Shaffer, William H., Jr., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Reinforcement mesh. 1,972,361; Sept. 4.
 Shaffert, Willard H., Boston, Mass. Playground apparatus. 1,984,767; Dec. 18.
 Shafner, Jerold H., Euclid Village, assignor to The National Bronze & Aluminum Foundry Company, Cleveland, Ohio. Heat transfer structure. 1,958,403; May 8.
 Shafter, Adolph F., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Fly swatter. Des. 93,185; Aug. 28.
 Shah, Virembhai C., Bombay, India. Buffer for the pickers or drivers of power looms. 1,975,024; Sept. 25.
 Shakeproof Lock Washer Company. (See Olson, Carl G., assignor.)
 Shakespeare Company. (See Clickner, Earle D., assignor.)
 Shakespeare Company. (See Russell, Samuel G., assignor.)
 Shakespeare Company. (See Russell, S. G., and Clickner, assignors.)
 Shakespeare Company. (See Walker, Glen H., assignor.)
 Shakespeare Products Company. (See Kai, Louis H., assignor.)
 Shakespeare Products Company. (See Potter, R. R., and Russell, assignors.)
 Shakespeare Products Company. (See Shakespeare, William, Jr., assignor.)
 Shakespeare, William, Jr., assignor to Shakespeare Products Company, Kalamazoo, Mich. Remote control device. 1,947,536; Feb. 20.
 Shakespeare, William M. (See Levy, S., Yates, and Shakespeare.)
 Shaler Company, The. (See Hanson, Harold H., assignor.)
 Shaler Company, The. (See Segnitz, Paul H., assignor.)
 Shalkop, Isaac C. (See Ginder, William H., assignor.)
 Shallicross Company, The. (See Shallicross, Herbert L., assignor.)
 Shallicross, Herbert L., assignor to The Shallicross Company, Philadelphia, Pa. Stencil. 1,960,172; May 22.
 Shallenberg, Walter A., assignor to The Deming Company, Salem, Ohio. Pump. 1,976,464; Oct. 9.
 Shallit, Charles Z., Tacoma, Wash. Hen's nest. 1,949,085; Feb. 27.
 Shallman Products Company. (See Gurwick, Irving, assignor.)
 Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Sintering method. 1,965,320; July 3.
 Shanafelt, Donald M. (See Shonkwiler, A. H., and Shanafelt.)
 Shanck, Roy B., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Controlling telegraph bias. 1,949,584; Mar. 6.
 Shand & Jurs Company. (See Jurs, Albert E., assignor.)
 Shand & Jurs Company. (See Shand, Reginald C., assignor.)
 Shand, Reginald C., Piedmont, Calif. Dispensing apparatus. 1,943,848; Jan. 16.
 Shand, Reginald C., Piedmont, assignor to Shand & Jurs Company, Berkeley, Calif. Valve control system. 1,960,831; May 29.
 Shank, Edward C., Milwaukee, Wis. Spool holder. 1,954,228; Apr. 10.
 Shank, McConnell, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making plastic articles. 1,974,219; Sept. 18.
 Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Stop joint for electric cables. 1,952,097; Mar. 27.
 Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Pressure reservoir for cables. 1,978,233; Oct. 23.
 Shanklin, John P., Marion, Va. Determining location in progress over a given area. 1,942,262; Jan. 2.
 Shanklin Manufacturing Co. (See Horseley, James H., assignor.)
 Shanks, Robert S., Ontario, Calif. Orchard heater. 1,949,336; Feb. 27.
 Shanley, Connor B., St. Louis, Mo. Manhole cover and anchoring means therefor. 1,962,881; June 12.
 Shann, Oscar A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin receptacle cover. 1,984,037; Dec. 11.
 Shannon, Donald G., assignor to Shannon Spring Bed Manufacturing Co., Louisville, Ky. Spring construction. 1,973,157; Sept. 11.
 Shannon, Maurice C., Gadsden, Ala., assignor to Gulf States Steel Company. Oxidizing briquette. 1,951,633; Mar. 20.
 Shannon, Oscar M., Larchmont, N. Y. Aquarium. Des. 92,776; July 10.
 Shannon, Palmer, and J. W. Royer, assignors to Royer, Inc., New York, N. Y. Photograph and process of taking it. 1,973,665; Sept. 11.
 Shannon, Randolph W., Los Angeles, Calif. Stand. 1,978,650; Oct. 30.
 Shannon, S. Q., et al. (See Bent, Jesse A., assignor.)
 Shannon Spring Bed Manufacturing Co. (See Shannon, Donald G., assignor.)
 Shanor, Edgar E., and C. W. Mardersteck, assignors to The Petroleum Iron Works Company, Sharon, Pa. Making shipping drums. 1,980,960; Nov. 13.
 Shapard, Henry L., assignor to one-half to C. E. Gaskill, Missoula, Mont. Temperature controlling device. 1,977,494; Oct. 16.
 Shapiro, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Cinematograph and synchronized sound reproducing unit. 1,977,293; Oct. 16.
 Shapiro, Bernard G., and S., Minneapolis, Minn.; said B. G. Shapiro assignor to S. Shapiro. Antifrost shield for windows. 1,977,899; Oct. 23.
 Shapiro, Henry, Bronx, and I. Joffe, Brooklyn, N. Y. Transmission apparatus. 1,966,691; July 17.
 Shapiro, Isaac, et al. (See Balton, James, assignor.)
 Shapiro, Isaac. (See Dieterich, Albert E., assignor.)
 Shapiro, Isadore, assignor to Athletic Shoe Company, Chicago, Ill. Athletic shoe. 1,942,574; Jan. 9.
 Shapiro, Joseph. (See Balton, James, assignor.)
 Shapiro, Joseph. (See Dieterich, Albert E., assignor.)
 Shapiro, Lazarus, New York, N. Y., assignor to Radio Corporation of America. Electrostatic shielding material. 1,942,575; Jan. 9.
 Shapiro, Lazarus C., Buffalo, N. Y., and P. A. Chamberlain, Chicago, Ill., assignors to The Rudolph Wurliitzer Manufacturing Company, North Tonawanda, N. Y. Tuning indicator for radios. 1,978,651; Oct. 30.
 Shapiro, Morris, Memphis, Tenn. Medal. Des. 93,244; Sept. 4.
 Shapiro, Nathan, et al. (See Balton, James, assignor.)
 Shapiro, Nathan. (See Dieterich, Albert E., assignor.)
 Shapiro, S., Co., Inc. (See Shapiro, Rebecca, assignor.)
 Shapiro, Samuel. (See Balton, James, assignor.)
 Shapiro, Samuel. (See Dieterich, Albert E., assignor.)
 Shapiro, Samuel. (See Shapiro, Bernard G. and S.)
 Shapiro, Samuel, New York, assignor to Olga Liben, Bronx, N. Y. Dispensing device. 1,965,060; July 3.
 Shapleigh Hardware Company. (See Stoughton, Dillis H., assignor.)
 Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Producing nitric acid. 1,952,633; Mar. 27.
 Shappell, Robert E., Wichita Falls, Tex. Hydraulic fluid lift. 1,966,739; July 17.
 Sharar, Fred H., Williamsport, Pa. Clamp. 1,945,000; Jan. 30.

- Sharkey, Murray, Tallahassee, Fla. Bark removing machine. 1,953,194; Apr. 3.
- Sharlit, Herman, New York, N. Y. Treatment of tobacco. 1,972,718; Sept. 4.
- Sharon Steel Hoop Company. (See Sargent, James A., assignor.)
- Sharp, Clayton A. (See Junor, D., and Sharp.)
- Sharp & Dohme, Incorporated. (See Johnson, Treat B., assignor.)
- Sharp & Dohme, Incorporated. (See Newhall, T., and Pittenger, assignors.)
- Sharp & Dohme, Inc. (See Reichel, J., and Cheplin, assignors.)
- Sharp, John C., Chattanooga, Tenn., assignor to Nathan Manufacturing Company, New York, N. Y. Floating hub liner. 1,969,762; Aug. 14.
- Sharp, John C., Chattanooga, Tenn., assignor to Nathan Manufacturing Company, New York, N. Y. Locomotive piston rod crosshead. 1,969,763; Aug. 14.
- Sharp, John C., Chattanooga, Tenn., assignor to Nathan Manufacturing Company, New York, N. Y. Bushing for locomotive valve motions. 1,970,199; Aug. 14.
- Sharp, John E., New Kensington, and M. M. Kipfer, Arnold, assignors to Aluminum Company of America, Pittsburgh, Pa. Capping machine. 1,963,102; June 19.
- Sharp, John E., New Kensington, and M. M. Kipfer, Arnold, assignors to Aluminum Company of America, Pittsburgh, Pa. Cap-embossing machine. 1,963,103; June 19.
- Sharp, L. Alan, Avalon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Electric conduit system and fitting therefor. 1,945,707; Feb. 6.
- Sharp, L. Alan, Avalon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Junction box of the floor type. 1,949,883; Mar. 6.
- Sharp, L. Alan, Avalon, assignor to National Electric Products Corporation, Pittsburgh, Pa. Installing underfloor duct systems. 1,956,879; May 1.
- Sharp, L. Alan, Avalon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Flush receptacle fitting for underfloor conduit system. 1,965,087; July 3.
- Sharp, L. Alan, Avalon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Underfloor electrical distribution system and Y fitting therefor. 1,969,043; Aug. 7.
- Sharp, L. Alan, Edgeworth, assignor to National Electric Products Corporation, Pittsburgh, Pa. Extension service connection. 1,962,915; June 12.
- Sharp, L. Alan, and J. M. G. Fullman, assignors to National Electric Products Corporation, Pittsburgh, Pa. Detector. 1,957,477; May 8.
- Sharp, Minnie B., executrix. (See Sharp, William E.)
- Sharp, Minnie E., executrix. (See Anderson, Harley E., assignor.)
- Sharp, Otho W., Chicago, and N. A. Fowler, Oak Park, assignors to General Box Company, Chicago, Ill. Box construction. 1,973,932; Sept. 18.
- Sharp, Paul F., assignor to Cornell University, Ithaca, N. Y. Preparing lactose. 1,956,811; May 1.
- Sharp, Richard A., assignor to Milwaukee Reliance Boiler Works, Milwaukee, Wis. Steam-generating boiler. 1,950,756; Mar. 13.
- Sharp, Richard A., assignor to Milwaukee Reliance Boiler Works, Milwaukee, Wis. Fluid fuel burner. 1,976,097; Oct. 9.
- Sharp, Robert E. B., Philadelphia, Pa., assignor to Baldwin-Southark Corporation. Balanced turbine or pump runner and method of balancing. 1,970,435; Aug. 14.
- Sharp, William A., San Luis Obispo, Calif. Junction box. 1,949,337; Feb. 27.
- Sharp, William E. (See Anderson, Harley E., assignor.)
- Sharp, William E., Chicago, Ill. Machine base. 1,947,501; Feb. 20.
- Sharp, William E., deceased, Chicago, Ill.; M. E. Sharp, executrix. Cleaning machine. 1,977,649; Oct. 23.
- Sharp, William E., deceased, Chicago, Ill.; M. E. Sharp, executrix. Cleaning machine. 1,977,650; Oct. 23.
- Sharp, William E., San Francisco, Calif. Covering for pianos. 1,960,126; May 22.
- Sharp, William H., Columbus, Ohio. Railroad rail tie plate and fastening means. 1,975,377; Oct. 2.
- Sharpe & Dohme, Inc. (See Reichel, J., and Cheplin, assignors.)
- Sharpe, John S., Haverford, Pa. Variable transmission. 1,978,439; Oct. 30.
- Sharpe, John S., Haverford, Pa. Transmission mechanism. 1,984,235; Dec. 11.
- Sharpe, John S., Haverford, Pa. Transmission mechanism. 1,985,110; Dec. 18.
- Sharpe, Reginald J., and E. Pekonen, assignors of one-third to H. Paulson, Chisholm, Minn. Electric calendar. 1,950,821; Mar. 13.
- Sharpe, William L., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Heater. Des. 93,294; Sept. 11.
- Sharples Solvents Corporation, The. (See Hochwalt, C. A., and Marling, assignors.)
- Sharples Solvents Corporation, The. (See Olin, John F., assignor.)
- Sharples Solvents Corporation, The. (See Thomas, C. A., and Olin, assignors.)
- Sharples Specialty Company, The. (See Jones, Leo D., assignor.)
- Sharpless, Stewart L., Sidney, Ohio. Paper folding machine. 1,945,756; Feb. 6.
- Sharran, Stanley, and G. Jakopec, Chicago, Ill. Mechanical toy. 1,950,698; Mar. 13.
- Shartle, Ralph W. (See Freeze, J. R., and Shartle.)
- Shatkin, Aaron, Brooklyn, N. Y. Locking device. 1,970,399; Aug. 14.
- Shatz, Joe, et al. (See Patterson, Jardine C., assignor.)
- Shaughnessy, Bernard F., Oakmont, Pa. Incinerator. 1,972,429; Sept. 4.
- Shaughnessy, Daniel F. (See Ollis, Harry F., assignor.)
- Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train control system. 1,959,691; May 22.
- Shaver, George D., Kalamazoo, Mich., assignor to The Therm-insul Corporation of America, Boston, Mass. Flexible sheet insulation and producing the same. 1,942,733; Jan. 9.
- Shaver, John, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Pole changer. 1,960,960; May 29.
- Shaver, William W., assignor to Corning Glass Works, Corning, N. Y. Insulator. 1,975,297; Oct. 2.
- Shaw, Albert D. (See Patterson, E. M., and Shaw.)
- Shaw, Albert L., and E. J. Shaw, Corinne, Utah. Glass cutting machine. 1,961,082; May 29.
- Shaw, Allan F., Essex, Mass. Cap adaptable for sealing containers. 1,965,713; July 10.
- Shaw, Burton E., Southwick, and E. V. Lavalley, Willimansett, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Casing for a boiler. Des. 92,271; May 15.
- Shaw, Cecil G., C. Semple, and R. F. Thomson, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Dyestuff of the anthraquinone series and preparing the same. 1,969,044; Aug. 7.
- Shaw, Cecil, and R. F. Thomson, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Ketonic perylene derivative and preparing same. 1,970,710; Aug. 21.
- Shaw, Charles G., Huntsville, and J. Hoffman, Toronto, Ontario, Canada. Manufacturing leather and products used in connection therewith. 1,959,112; May 15.
- Shaw, Charles G., Huntsville, and J. Hoffman, Toronto, Ontario, Canada. Manufacturing leather and products used in connection therewith. 1,975,670; Oct. 2.
- Shaw, Charles G., Huntsville, and J. Hoffman, Toronto, Ontario, Canada. Manufacturing leather and product used in connection therewith. 1,975,671; Oct. 2.
- Shaw Crane-Putnam Machine Company. (See Dustan, Frank, assignor.)
- Shaw, Emma J. (See Shaw, Albert L. and E. J.)
- Shaw, Gilbert B., and T. G. Sturdevant, Bristol, and C. W. Short, East Providence, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Electrical cable and cord. 1,984,033; Dec. 11.
- Shaw, Harold E., Bridgeport, Conn. Airplane. 1,943,774; Jan. 16.
- Shaw, Harry A. (See Birtch, Fred W., assignor.)
- Shaw, James F., J. M. Donnelly, and J. Johnston, Clinton, Mass., assignors to Bigelow-Sanford Carpet Co., Thompsonville, Conn. Pile fabric. 1,948,936; Feb. 27.
- Shaw, James F., and J. M. Donnelly, Clinton, Mass., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile fabric and weaving the same. 1,968,003; July 24.
- Shaw, John, Leeds, England. Carrying reels of paper in printing and other machines. 1,945,621; Feb. 6.
- Shaw, John C. and R. D., assignors to Pratt & Whitney Company, Hartford, Conn. Right and left attachment for duplicating machines. 1,960,757; May 29.
- Shaw, John C. and R. D., assignors to Pratt & Whitney Company, Hartford, Conn. Compensating means for cam milling machines. 1,971,121; Aug. 21.
- Shaw, John W., Norwood, N. J., assignor to Bing & Bing, Inc. Decorative illumination. 1,956,630; May 1.
- Shaw, John W., Norwood, N. J., assignor to Bing & Bing, Inc., New York, N. Y. Decorative illumination. 1,973,858; Sept. 18.
- Shaw, Joseph, Hastings-on-Hudson, assignor to Paramount Publix Corporation, New York, N. Y. Recording of sound. 1,976,374; Oct. 9.
- Shaw, Joseph, and J. W. Berwick, New York, N. Y. Method and apparatus for treating continuous films. 1,958,211; May 8.
- Shaw, Joseph, Hastings upon Hudson, and M. Ott, assignors to Paramount Publix Corporation, New York, N. Y. Projecting apparatus. 1,963,562; June 19.
- Shaw, Joseph A., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Treating liquids. 1,956,597; May 1.
- Shaw, Joseph A., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Treating liquid containing tar acid. 1,957,295; May 1.
- Shaw, Louis E., East Orange, N. J., assignor to Adartcraft, Incorporated, New York, N. Y. Display device. 1,968,915; Aug. 7.
- Shaw, Louis E., East Orange, N. J., assignor to Adartcraft, Incorporated, New York, N. Y. Embossing. 1,985,300; Dec. 25.
- Shaw, Percy G., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 1,944,764; Jan. 23.
- Shaw, Percy G., Bridgeport, Conn., assignor to General Electric Company. Electric snap switch. 1,968,574; July 31.

- Shaw-Perkins Manufacturing Company. (See Davis, A. H., Jr., and Winsborough, assignors.)
- Shaw Products Corporation. (See Shaw, William H., assignor.)
- Shaw, Robert D. (See Shaw, John C. and R. D.)
- Shaw, Robert D., assignor to Pratt & Whitney Company, Hartford, Conn. Cutter relieving lathe. 1,957,296; May 1.
- Shaw, Robert W., London, Ontario, Canada. Corrective insole. 1,958,097; May 8.
- Shaw, Vincent L., Evanston, Ill. Heat releasable drainage means. 1,973,182; Sept. 11.
- Shaw-Walker Company, The. (See Hunter, David E., assignor.)
- Shaw, William H., South Bend, Ind. Thermostatic control. 1,972,908; Sept. 11.
- Shaw, William H., Florham Park, assignor to Motor Improvements, Inc., Newark, N. J. Lubricator. 1,960,719; May 29.
- Shaw, William H., Williamsport, Pa., assignor to Shaw Products Corporation, Cleveland, Ohio. Lubricant flow regulator. 1,972,907; Sept. 11.
- Shawnee Manufacturing Company. (See Haub, George R., assignor.)
- Shawmut Engineering Company. (See Bixby, Walter, assignor.)
- Shawn, George B., Cleveland Heights, Ohio, assignor, by mesne assignments, to General Electric Company. Combined regulating and snap action gas valve. 1,956,977; May 1.
- Shawn, George B., Cleveland Heights, Ohio, and L. E. Bovee, Dormont, Pa., assignors, by mesne assignments, to General Electric Company. Service resumption mechanism. 1,956,136; Apr. 24.
- Shea, Edward J., Brooklyn, N. Y. Earring. 1,978,652; Oct. 30.
- Shea, John J., Nashua, N. H., assignor to J. F. McElwain Co., Boston, Mass. Shoe. 1,983,408; Dec. 4.
- Sheaff, Edmund H. (See Thompson, G. W., and Sheaff.)
- Sheaff, Edmund H., Brooklyn, assignor to National Lead Company, New York, N. Y. Refining white metal scrap. 1,957,852; May 8.
- Sheaffer, Craig R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen or similar article. Des. 92,212; May 8.
- Sheaffer, J. E., Company. (See Sheaffer, John E., assignor.)
- Sheaffer, John E., assignor to J. E. Sheaffer Company, Inc., Louisville, Ky. Control valve. 1,963,872; June 19.
- Sheaffer, W. A., Pen Company. (See Cuthbert, William R., assignor.)
- Sheaffer, W. A., Pen Company. (See Polk, Henry H., Jr., assignor.)
- Sheaffer, W. A., Pen Company. (See Sheaffer, Craig R., assignor.)
- Sheaffer, W. A., Pen Company. (See Sheaffer, Walter A., assignor.)
- Sheaffer, Walter A., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 1,983,682; Dec. 11.
- Sheal, Robert E., Cleveland, and C. N. Windecker, Painesville, Ohio. Self-unloading boat. 1,942,839; Jan. 9.
- Shearer, Douglas G. (See Ries, I. G., and Shearer, assignors.)
- Shearer, Herbert G., Mile End, South Australia, Australia. Deck chair. 1,952,610; Mar. 27.
- Shearer, John P., assignor to Bloomer Bros. Company, Newark, N. Y. Pail. 1,950,934; Mar. 13.
- Shearer, Peter. (See Kemp, W. F., and Shearer.)
- Shearer, Walter L., Trenton, N. J. Plastometer. 1,973,297; Sept. 11.
- Shearman, Alfred, Toronto, Ontario, Canada. Igniter for coal furnaces. 1,945,708; Feb. 6.
- Shearon, Patrick. (See Woodapple, William, assignor.)
- Shedlock, Michael J. (See Oravec, S. A., and Shedlock.)
- Sheehan, John S. (See Joerger, W., Sheehan, and Jones.)
- Sheehan, Joseph, Charbon, Australia. Ball or tube mill. 1,985,801; Dec. 25.
- Sheehan, Lottie M., Cleveland, Ohio. Lamp. Des. 93,750; Oct. 30.
- Sheehan, Patrick. (See Clingan, J. R. T., and Sheehan.)
- Sheehan, Wallace. (See Lane, George S., assignor.)
- Sheehan, William J. (See Kiernan, J. P., Cottle, and Sheehan.)
- Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive construction. 1,964,086; June 26.
- Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,985,384; Dec. 25.
- Sheer, H. M., Company. (See Kuenhold, Otto J., assignor.)
- Sheer, Harry. (See Schenker, A. S., and Sheer.)
- Sheet Aluminum Corporation. (See Forrer, Joseph D., assignor.)
- Sheets, Martin E. (See Harmon, Frank H., assignor.)
- Sheetz, Thomas R., San Francisco, Calif. Dishwashing machine. 1,959,740; May 22.
- Sheffer, Irving H., Detroit, Mich. Feed collet. 1,983,950; Dec. 11.
- Sheffield Shale Products Company. (See Zack, Edgar G., assignor.)
- Sheffield, Washington K., New London, Conn., and C. H. Dickson, Orange, N. J., assignors to Worcester Salt Company, New York, N. Y. Dentifrice. 1,968,858; Aug. 7.
- Sheffield, William M., New York, N. Y. Laminated die. 1,984,384; Dec. 18.
- Shedin, Carl F., assignor to P. S. Schmidt, Cleveland, Ohio. Automobile storage apparatus. 1,965,161; July 3.
- Shehan, William E., Los Angeles, Calif. Cord anchor. 1,973,933; Sept. 18.
- Sheinman, Morris, New York, N. Y. Antijimmy lock. 1,958,251; May 8.
- Shelby Gum Company, The. (See Wilsdon, John J., assignor.)
- Shelby Metal Products Company, The. (See Hoffman, Laurence N., assignor.)
- Sheldon, Albert J., Willsboro, N. Y. Combined walking stick and seat. 1,972,668; Sept. 4.
- Sheldon, Charles A. (See Potts, E. J., and Sheldon.)
- Sheldon, E. H., & Company. (See Sheldon, Edgar H., assignor.)
- Sheldon, Edgar H., Muskegon Township, Muskegon County, Mich. Desk and seat structure. 1,961,459; June 5.
- Sheldon, Edgar H., assignor to E. H. Sheldon & Company, Muskegon, Mich. Desk structure. 1,944,765; Jan. 23.
- Sheldon Electric Corporation. (See Sheldon, H. H., and Lorenz, assignors.)
- Sheldon, Garnett G., assignor to Leonard Motorless Aircraft Company, Inc., Grand Rapids, Mich. Traction sander. 1,963,532; June 19.
- Sheldon, Harold H., Yonkers, N. Y., and C. F. Lorenz, East Orange, N. J., assignors to Sheldon Electric Corporation, New York, N. Y. Apparatus and method for the comparison of colors. 1,871,317; Aug. 21.
- Sheldon, Leonard C., Hills Grove, R. I. Tensioning mechanism for winding apparatus. 1,969,906; Aug. 14.
- Sheldon, Roy, New York, N. Y. Watch. Des. 91,443; Jan. 30.
- Sheldon, William O., Lakewood, Ohio. Locked joint metal strip. 1,976,968; Oct. 16.
- Shelin, Ture G., Elmwood Park, and F. J. Fuchs, assignors to Grigsby-Grunow Company, Chicago, Ill.; F. M. McKey, receiver in bankruptcy. Refrigerator cabinet. Des. 93,186; Aug. 28.
- Shell Development Company. (See Bishop, N., and Garrod, assignors.)
- Shell Development Company. (See Buchel, J. A., and Jan Saal, assignors.)
- Shell Development Company. (See Burgin, James, assignor.)
- Shell Development Company. (See Carney, Samuel C., assignor.)
- Shell Development Company. (See Davisson, D. W., and Welke, assignors.)
- Shell Development Company. (See Deanesley, Richard M., assignor.)
- Shell Development Company. (See de Simo, Martin, assignor.)
- Shell Development Company. (See Edlund, Karl R., assignor.)
- Shell Development Company. (See Edlund, K., and Evans, assignors.)
- Shell Development Company. (See Engs, W., and Moravec, assignors.)
- Shell Development Company. (See Evans, T., and Edlund.)
- Shell Development Company. (See Gabler, G. C., and Tijmstra, assignors.)
- Shell Development Company. (See Groll, H. P. A., and Burgin, assignors.)
- Shell Development Company. (See Hofszasz, Max, assignor.)
- Shell Development Company. (See Klemgard, Edwin N., assignor.)
- Shell Development Company. (See Kramer, Gustav A., assignor.)
- Shell Development Company. (See Kramer, G. A., and Rosenstein, assignors.)
- Shell Development Company. (See Le Bourveau, Harry V., assignor.)
- Shell Development Company. (See Lewis, Robert I., assignor.)
- Shell Development Company. (See Mösslang, H., and Volbehr, assignors.)
- Shell Development Company. (See Pyzel, Daniel, assignor.)
- Shell Development Company. (See Pyzel, Frederic M., assignor.)
- Shell Development Company. (See Rosenstein, Ludwig, assignor.)
- Shell Development Company. (See Rosenstein, L., and Kramer, assignors.)
- Shell Development Company. (See Thompson, Nelson W., assignor.)
- Shell Development Company. (See Tijmstra, Sijbren, assignor.)
- Shell Development Company. (See van Peski, Adrianus J., assignor.)
- Shell Development Company. (See van Peski, A. J., and Smithuysen, assignors.)
- Shell Development Company. (See Young, Edwin H. P., assignor.)
- Shell, Gustave A., Garden City, and B. Zetterlund, Detroit, Mich. Spark plug. 1,968,225; July 31.
- "Shell" Marketing Company, Limited. (See George, David, assignor.)
- Shell Oil Company. (See Alden, Herbert O., assignor.)
- Shell Petroleum Corporation. (See Hansen, Julius, assignor.)

- Shell Petroleum Corporation. (See Ross, Dewey T., assignor.)
- Shell Petroleum Corporation. (See Tijmstra, Sijbren, assignor.)
- Sheller, Samuel H., Marion, Pa., assignor of one-half to G. R. Hamlin, Washington, D. C. Machine for fastening covers to fruit baskets. 1,980,764; Nov. 13.
- Shellmar Products Company. (See Miller, Walter K., assignor.)
- Shelly, De Witt L., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Device for machining piston rings. 1,956,700; May 1.
- Shelly, Herman J., Gary, Ind., assignor to National Tube Company. Removing scale from pipes and tubes. 1,951,066; Mar. 13.
- Shelmire, Stanley R., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting machine. 1,971,663; Aug. 28.
- Shelor, Frederick L., Sandston, assignor to Innovation Brakes Incorporated, Richmond, Va. Fluid pressure controlled brake mechanism. 1,948,190; Feb. 20.
- Shelor, Frederick L., Sandston, assignor to Innovation Brakes Incorporated, Richmond, Va. Fluid pressure controlled brake mechanism. 1,958,839; May 15.
- Shelor, Frederick L., assignor to S. & S. Engineering Corporation, Richmond, Va. Fluid cooling apparatus. 1,972,800; Sept. 4.
- Shelton, Andrew B., Huntsville, Ala. Picker stick mechanism. 1,951,562; Mar. 20.
- Shelton, Donald C., Denver, Colo. Scalp treating apparatus. 1,951,776; Mar. 20.
- Shelton, Donald D., Portland, Oreg. Retort. 1,950,066; Mar. 6.
- Shelton, James T. (See Burge, A., and Shelton.)
- Shelton, Percy J., Chagrin Falls, Ohio. Tobacco can. 1,972,801; Sept. 4.
- Shelton, Richard T., executor, et al. (See Shelton, William G.)
- Shelton, Thomas M., Denver, Colo., assignor to American Gyro Co. Airplane. Des. 91,444; Jan. 30.
- Shelton, W. G., Company. (See Shelton, William G., assignor.)
- Shelton, William G., assignor to W. G. Shelton Company, St. Louis, Mo. Apparatus for waving hair. 1,946,812; Feb. 13.
- Shelton, William G., assignor to W. G. Shelton Company, St. Louis, Mo. Hair waving apparatus. 1,946,813; Feb. 13.
- Shelton, William G., assignor to W. G. Shelton Company, St. Louis, Mo. Hair waving heater. 1,956,256; Apr. 24.
- Shelton, William G., assignor to W. G. Shelton Company, St. Louis, Mo. Hair curling device. 1,956,257; Apr. 24.
- Shelton, William G., assignor to W. G. Shelton Company, St. Louis, Mo. Hair winder. 1,956,258; Apr. 24.
- Shelton, William G., deceased; R. T. Shelton, L. E. Sherwood, and Mississippi Valley Trust Company, executors, assignors to W. G. Shelton Company, St. Louis, Mo. Hair waving clamp. 1,969,907; Aug. 14.
- Shelton, William G., deceased; R. T. Shelton, L. E. Sherwood, and Mississippi Valley Trust Company, executors, assignors to W. G. Shelton Company, St. Louis, Mo. Hair waving apparatus. 1,969,908; Aug. 14.
- Shenton, Francis, assignor to Frick Company, Waynesboro, Pa. Solenoid shut-off valve. 1,944,113; Jan. 16.
- Shenton, Francis, assignor to Frick Company, Waynesboro, Pa. Vent for tanks. 1,948,773; Feb. 27.
- Shenton, Francis, and M. W. Garland, assignors to Frick Company, Waynesboro, Pa. Refrigerant control for refrigerating systems. 1,969,102; Aug. 7.
- Shenton, Ralph W., Shaker Heights, Ohio. Cooking and toasting. 1,954,894; Apr. 17.
- Shenton, Ralph W., Shaker Heights, Ohio. Downward feed time control toaster. 1,954,895; Apr. 17.
- Shepard, Donald S., Goodland, Ind. Wagon end gate fastener. 1,942,732; Jan. 9.
- Shepard, Edgar R., Chevy Chase, Md., assignor to the Government of the United States. Electric measuring device. 1,978,440; Oct. 30.
- Shepard, Ernest L., Fairfield, assignor to Keyes Fibre Company, Inc., Waterville, Maine. Combination flat and filler. 1,970,436; Aug. 14.
- Shepard, Francis H., Jr. (See Braddon, F. D., and Shepard.)
- Shepard, Henry B. (See Warshaw, N., and Shepard.)
- Shepard, James F., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Safety lock for extractor covers. 1,957,297; May 1.
- Shepard, Morris G., and E. R. Burns, Waterbury, Conn., assignors, by mesne assignments, to Dispersions Process, Inc., New York, N. Y. Treating scorched rubber compounds and products produced thereby. 1,957,298; May 1.
- Shepard, Ralph H., Bronxville, N. Y. Mechanism for controlling engine valve mechanisms. 1,942,189; Jan. 2.
- Shepherd, B. Chaffey, et al. (See Zander, Milton W., assignor.)
- Shepherd, Frank. (See Monroe, S. G., and Shepherd.)
- Shepherd, Herbert E., Trail, British Columbia, Canada. Brake. 1,982,235; Nov. 27.
- Shepherd, John E., assignor to National Cold Steam Company, Charlottesville, Va. Apparatus for steam cleaning and greasing of bearings. 1,982,325; Nov. 27.
- Shepherd, Milton S., and F. C. Wiley, assignors of one-third to L. A. Roser, Salt Lake City, Utah. Compressor. 1,985,841; Dec. 25.
- Shepherd, Nathaniel T. (See Duncan, J. K., Whitehead, and Shepherd.)
- Shepherd, Nathaniel T., Salt Lake City, Utah, assignor to Ditto, Incorporated, Chicago, Ill. Automatic device for feeding paper. 1,951,067; Mar. 13.
- Shepherd, Nathaniel T., Salt Lake City, Utah, assignor to Ditto, Incorporated, Chicago, Ill. Paper tray and guide for duplicating machine. 1,951,068; Mar. 13.
- Shepherd, Oswald M., Brentford, and C. Keith-Thomas, Baling, England. Box or receptacle for powders. 1,968,177; July 31.
- Shepherdson, Arnold. (See Clarke, R. B. F. F., Robinson, and Shepherdson.)
- Shepherdson, Arnold. (See Hailwood, A. J., Naunton, and Shepherdson.)
- Sheppard, Donald F., Blackshear, Ga. Thermometer. Des. 93,425; Sept. 25.
- Sheppard, Harry N., Maplewood, N. J., assignor to Scott & Williams, Incorporated, New York, N. Y. Machine for making patterned knit fabrics. 1,974,473; Sept. 25.
- Sheppard, Harry N., and S. I. Powell, Seattle, Wash. Ice-cream-branding machine. 1,981,928; Nov. 27.
- Sheppard, Herbert P. (See Phillips, Harry C., assignor.)
- Sheppard, Joel F., assignor to U. P. M. Kidder Press Co. Inc., Dover, N. H. Transferring apparatus. 1,985,802; Dec. 25.
- Sheppard, Maurice E., Camden, N. J. Toothbrush holder for tooth powder cans or containers. 1,958,022; May 8.
- Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of films from cellulosic materials. 1,942,840; Jan. 9.
- Sheppard, Samuel E., and H. J. Dietz, assignors to Eastman Kodak Company, Rochester, N. Y. Wrapping paper for photographic goods. 1,954,333; Apr. 10.
- Sheppard, Samuel E., and W. Vanselow, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing fog inhibitors. 1,954,334; Apr. 10.
- Sheppard, Samuel E., and W. Vanselow, assignors to Eastman Kodak Company, Rochester, N. Y. Photothermographic composition. 1,976,302; Oct. 9.
- Sher, Hyman, New York, N. Y. Vegetable food product and dessert preparation. 1,974,474; Sept. 25.
- Shera, John W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Container and sealing means therefor. 1,949,979; Mar. 6.
- Shera, John W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Closure device for metallic containers. 1,964,603; June 26.
- Shera, John W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Container and spout structure therefor. 1,966,049; July 10.
- Shera, John W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Closure device for metallic container opening. 1,982,144; Nov. 27.
- Shera, John W., assignor to American Flange & Manufacturing Company, Chicago, Ill. Closure device for metallic containers. 1,982,145; Nov. 27.
- Sherer-Gillet Company. (See Wolfe, Winborn W., assignor.)
- Sheridan, John, Chagrin Falls, Ohio. Lawn mower blade. 1,969,103; Aug. 7.
- Sheridan, Sidney A. (See Ostermann, R. M., and Sheridan.)
- Sheridan, Thomas E., Los Angeles, Calif. Flushing device. 1,961,795; June 5.
- Sherlock, Robert E., New York, N. Y. Folding bleacher. 1,952,611; Mar. 27.
- Sherman, Alvin G., Grosse Pointe, assignor to The Detroit Vapor Stove Company, Detroit, Mich. Broiler construction. 1,970,343; Aug. 14.
- Sherman Bros., Development Corporation. (See Clark, Otto B., assignor.)
- Sherman, Cortis F. (See Simmons, F. K., and Sherman.)
- Sherman, Cortis F., assignor to The Henry & Wright Manufacturing Company, Hartford, Conn. Machine frame. 1,954,651; Apr. 10.
- Sherman, Cortis F., assignor to The Henry & Wright Manufacturing Company, Hartford, Conn. Power press. 1,954,652; Apr. 10.
- Sherman, Delmar C., Chicago, Ill., assignor to Williamsport Wire Rope Company, Williamsport, Pa. Container. 1,955,346; Apr. 17.
- Sherman, Delmar C., Chicago, Ill., assignor to Williamsport Wire Rope Company, Williamsport, Pa. Tool for applying guides to ropes and cables. 1,955,347; Apr. 17.
- Sherman, Donald W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile frame. 1,959,113; May 15.
- Sherman, Donald W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile frame. 1,965,561; July 3.
- Sherman, Elroy P., assignor to The Ashtabula Corrugated Box Company, Ashtabula, Ohio. Basket cover. 1,943,093; Jan. 9.
- Sherman, Francis H., Palmer, Mass. Package and container for fragile articles. 1,975,127; Oct. 2.
- Sherman, Francis H., Palmer, Mass. Container or package for eggs, etc. 1,975,128; Oct. 2.
- Sherman, Francis H., Palmer, Mass. Container or package for eggs, etc. 1,975,129; Oct. 2.
- Sherman, Francis H., Palmer, Mass., assignor to Light Corrugated Box Company. Wrapper for rugs or the like. 1,973,114; Sept. 11.

- Sherman, Fred S., Somerville, and J. Husler, Saugus, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. French-binding straightening and cementing machine. 1,981,006; Nov. 20.
- Sherman, H. B., Manufacturing Company. (See Hanlan, Frederick, assignor.)
- Sherman, Harold W., assignor to Northern Paper Mills, Green Bay, Wis. Apparatus for the treatment of toilet paper. 1,967,726; July 24.
- Sherman, Harry, Chicago, Ill. Dress. Des. 92,374; May 29.
- Sherman, Jacob S., Chicago, Ill. Illuminated make-up mirror. Des. 92,272; May 15.
- Sherman, Jesse B. (See Satinoff, D., Satinoff, Chernow, and Sherman.)
- Sherman, John C., Gorham, Maine, assignor to Brown Company, Berlin, N. H. Manufacture of artificial leathers intended for use as shoe-soles, belting, and analogous products. 1,961,916; June 5.
- Sherman, John P., Gorham, Maine. Composite material. 1,984,814; Dec. 18.
- Sherman, John Q., Dayton, Ohio. Manifold pack holder. 1,947,663; Feb. 20.
- Sherman, John Q., Dayton, Ohio. Detaching device for manifolding material. 1,959,967; May 22.
- Sherman, John Q., Dayton, Ohio. Separator for manifolding material. 1,959,968; May 22.
- Sherman, John Q., Dayton, Ohio. Type justifying means. 1,967,194; July 17.
- Sherman, John Q., Dayton, Ohio. Writing machine platen roll. 1,974,368; Sept. 18.
- Sherman, John Q., assignor to The Standard Register Company, Dayton, Ohio. Producing manifolding material. 1,985,062; Dec. 18.
- Sherman-Klove Company. (See Rueb, Theodore C., assignor.)
- Sherman, Louie A., Alton, Ill. Illuminator. 1,960,288; May 29.
- Sherman Paper Products Corporation. (See Flinn, Arthur C., assignor.)
- Sherman Paper Products Corporation. (See Ives, Charles L., assignor.)
- Sherman Paper Products Corporation. (See Williams, Charles F., assignor.)
- Sherman Paper Products Corporation. (See Williams, C. F., and Ives, assignors.)
- Sherman, Rallston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Burner. 1,961,084; May 29.
- Sherman, Rallston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Protecting guard for oil burner reservoirs. 1,961,085; May 29.
- Sherman, Rallston M., Glastonbury, and F. F. Neumann, West Hartford, assignors to The Silent Glow Oil Burner Corporation, Hartford, Conn. Control device for liquid fuel burners. 1,961,083; May 29.
- Sherman, Rallston M., Glastonbury, and F. F. Neumann, West Hartford, assignors to The Silent Glow Oil Burner Corporation, Hartford, Conn. Burner. 1,961,086; May 29.
- Sherman, Rallston M., Glastonbury, and F. F. Neumann, West Hartford, assignors to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 1,976,041; Oct. 9.
- Sherman, Ray W., Flushing, N. Y. Collapsible tube or container. 1,970,631; Aug. 21.
- Sherman, Thomas L., Norwood, Mass., assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless mechanism. 1,952,098; Mar. 27.
- Sherman, William T., Woodbury, N. J., assignor to Socony Vacuum Corporation, New York, N. Y. Variable proportioner drive. 1,967,690; July 24.
- Shermund, Ralph C., assignor to Stanford Products, San Francisco, Calif. Electric motor mechanism. 1,983,149; Dec. 4.
- Sherover, Max, New York, N. Y. Mattress. 1,980,445; Nov. 13.
- Sherrard, Joe O. (See Krapf, H. C., and Sherrard.)
- Sherrick, Samuel T., Denver, Colo. Solidified gas refrigerator. 1,975,177; Oct. 2.
- Sherrick, Samuel T., assignor of forty-nine one-hundredths to C. Diehl, and fifty-one one-hundredths to S & C Holding Corporation, Denver, Colo. Refrigerating apparatus. 1,951,679; Mar. 20.
- Sherrill, Burl E., Peru, Ind. Coil switch. 1,956,207; Apr. 24.
- Sherrill, Dorothy, Marshfield, Mass. Rag doll. 1,948,803; Feb. 27.
- Sherry, William J., Glendale, assignor to Tuttle & Bailey Manufacturing Company, New York, N. Y. Radiator front. 1,965,434; July 3.
- Sherts, James H., Brackenridge, Pa., assignor to Duplate Corporation. Method and apparatus for making safety glass. 1,959,221; May 15.
- Sherts, James H., Brackenridge, Pa., assignor to Duplate Corporation. Nonglare safety glass. 1,966,833; July 17.
- Sherwin-Williams Company, The. (See Appleton, Leo F., assignor.)
- Sherwin-Williams Company, The. (See Fletcher, R. M., and Lang, assignors.)
- Sherwood, Edward, Mineola, assignor to Fred Fear & Co., Brooklyn, N. Y. Dyed article and dyeing the same. 1,952,612; Mar. 27.
- Sherwood, Glenn L. (See Stockfeth, B., and Sherwood.)
- Sherwood, Glenn L., Niles, Mich., assignor of one-half to A. T. Lyman, Chicago, Ill. Liquid level indicator. 1,984,000; Dec. 11.
- Sherwood, Glenn L., and H. L. Johnson, Niles, Mich., assignors, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making composite metal bearing plates. 1,984,385; Dec. 18.
- Sherwood, Horace K. T., and J. G. Moore, Albany, N. Y. Display cabinet. 1,966,565; July 17.
- Sherwood, Lester E., executor, et al. (See Shelton, William G.)
- Sherwood, Lester L., Los Angeles, Calif. Sweat band. 1,958,804; May 15.
- Sherwood, Richard M., Maumee, Ohio. Air washer and humidifier. 1,955,518; Apr. 17.
- Shetler, Melvin, Flint, Mich. Water softening apparatus. 1,964,302; June 26.
- Shibelli, John, Brooklyn, N. Y. Candy making machine. 1,956,180; Apr. 24.
- Shiek, Daniel W., assignor to The Miller-Bryant-Pierce Company, Aurora, Ill. Connector actuating and locking device. 1,953,823; Apr. 3.
- Shield, Paul S., assignor to A. Davis, Jr., Cincinnati, Ohio. Hydraulic operator. 1,946,715; Feb. 13.
- Shield, Paul S., assignor to A. Davis, Jr., Cincinnati, Ohio. Selector. 1,960,515; May 29.
- Shield, Paul S., assignor to Augustine Davis, Jr., Cincinnati, Ohio. Selective valve operating apparatus. 1,973,115; Sept. 11.
- Shield, Paul S., assignor to A. Davis, Jr., Cincinnati, Ohio. Liquid dispenser. 1,981,335; Nov. 20.
- Shields, Bert W., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Spray gun. 1,981,077; Nov. 20.
- Shields, Carl E., Greenwich, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Mounting for oil burners. 1,983,318; Dec. 4.
- Shields, Edward, El Paso, Tex., and Hugh Shields, Alamo-gordo, N. Mex. Electric control means for air brakes. 1,982,543; Nov. 27.
- Shields, George W. (See Pearsons, George T., assignor.)
- Shields, Harry A., Grand Rapids, Mich. Cloth finishing machine. 1,954,496; Apr. 10.
- Shields, Hugh. (See Shields, Edward and H.)
- Shields, John A., assignor to International Steel Company, Evansville, Ind. Pressure release for revolving doors. 1,944,197; Jan. 23.
- Shields, Lavelle, and D. O. Anderson, Waterbury, Conn. Growth indicating chart. 1,974,085; Sept. 18.
- Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Leather brace. 1,947,313; Feb. 13.
- Shields, Thomas P., Newark, N. J. Rhodium plating. 1,949,131; Feb. 27.
- Shields, William S., Evanston, Ill. Handling sewage sludge. 1,979,647; Nov. 6.
- Shiffner, William H., and M. M. Holm, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Catalytic hydration of olefines. 1,951,740; Mar. 20.
- Shikaly, David L., Yonkers, N. Y. Toy. 1,942,006; Jan. 2.
- Shildneck, Lloyd P., Scotia, N. Y., assignor to General Electric Company. Field winding for dynamo-electric machines. 1,954,683; Apr. 10.
- Shilka, Thomas A. (See Weber, Albert H., assignor.)
- Shillinger, Clare B., and J. R. Hoge, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Bottle transferring apparatus. 1,974,837; Sept. 25.
- Shimadzu, Genzo, Kyoto, Japan. Continuous production of lead oxides in the dry state. 1,985,465; Dec. 25.
- Shiman Manufacturing Co. (See Mertens, Paul, assignor.)
- Shimazu, Yasujiro, Shinmachi, Akasakaku, Tokyo, Japan, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,965,435; July 3.
- Shimberg, Harold I., New York, N. Y. Device for teaching trigonometric functions. 1,955,392; Apr. 17.
- Shimer, John M., Wilkinsburg, assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Liner packing sleeve. 1,947,623; Feb. 20.
- Shimer, John M., Wilkinsburg, Pa., assignor to Wilson-Snyder Manufacturing Corporation. Pump. 1,963,684; June 19.
- Shimer, John M., Wilkinsburg, assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Valve. 1,963,685; June 19.
- Shimer, John M., Wilkinsburg, assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Feed water heater. 1,964,710; June 26.
- Shimer, John M., Wilkinsburg, assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Pump suction strainer. 1,971,733; Aug. 28.
- Shimer, John M., Wilkinsburg, assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Piston. 1,983,780; Dec. 11.
- Shimizu, Takeo, Hongo-Ku, Tokyo, Japan. Daylight screen. 1,942,841; Jan. 9.
- Shimmon, William L. (See Kingsley, Joel B., assignor.)
- Shimwell, Oliver, Gawsworth, England. Weft inserting mechanism for looms for weaving. 1,983,409; Dec. 4.
- Shindel, Harry F. (See Willson, F., and Shindel.)
- Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Lens mounting. 1,971,055; Aug. 21.

- Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Adjustable nose bridge. 1,971,389; Aug. 28.
- Shingle, Elizabeth S., Cheyenne, Wyo. Combination mirror and folding ironing board. 1,949,845; Mar. 6.
- Shingshang, Roy A., Coatesville, Pa. Portable magnetic separator. 1,958,351; May 8.
- Shinkle, Edward M., U. S. Army, Higginsport, Ohio. Stop for rotating parts. 1,947,502; Feb. 20.
- Shinkle, Edward M., U. S. Army, Higginsport, Ohio. Stop for rotating parts. 1,963,104; June 19.
- Shinn, Byron H., assignor to Shinn Devices Corporation, Washington, Pa. Refueling equipment. 1,969,430; Aug. 7.
- Shinn Devices Corporation. (See Shinn, Byron H., assignor.)
- Shinn, Lyle B., assignor to Chicago Lock Company, Chicago, Ill. Lock. 1,971,797; Aug. 28.
- Shinn, Lyle B., assignor to Chicago Lock Company, Chicago, Ill. Key for locks. 1,984,202; Dec. 11.
- Shinn, William C., assignor to Chicago Lock Company, Chicago, Ill. Lock. 1,964,963; July 3.
- Shinner, Ernest G., Chicago, Ill. Combined lamp and insect trap. 1,970,774; Aug. 21.
- Shokawa, Kazuo, New York, N. Y. Radio signal indicator. 1,959,388; May 22.
- Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,977,094; Oct. 16.
- Shipley, Clifford L., Chicago, Ill., assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company receiver for R. Hoe & Co., Inc. Web cutting machine. 1,969,480; Aug. 7.
- Shipley, Marion R., Hermosa Beach, assignor, by mesne assignments, to E. M. Smith, Los Angeles, Calif. Drill pipe protector. 1,974,546; Sept. 25.
- Shipman, Charles W., Spokane, Wash. Mower razor. 1,981,202; Nov. 20.
- Shipman, Lester E., Kew Gardens, N. Y. Binder. 1,985,583; Dec. 25.
- Shippee, Charles W., Boston, assignor to Automatic Hose Coupling Company, Inc., Leominster, Mass. Hose coupling. 1,961,989; June 5.
- Shippee, Winsor, Red Bank, N. J. Closure for receptacles. 1,965,812; July 10.
- Shipping, Charles A., Kitchener, Ontario, Canada, assignor, by mesne assignments, to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Apparatus for treating knit goods. 1,964,691; June 26.
- Shippy, Leo C., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Control of arc welder head. 1,933,781; Dec. 11.
- Shippy, Leo C., A. W. Phelps, and J. Q. Holmes, assignors to Delco-Remy Corporation, Anderson, Ind. Metal cutting machine. 1,948,010; Feb. 20.
- Shippy, Leo C., A. W. Phelps, and J. Q. Holmes, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Metal cutting machine. 1,980,359; Nov. 13.
- Shiraeff, Dmitry A., and F. Jacobs, New York, N. Y. Photographically printed fibrous product and method of producing the same. 1,972,323; Sept. 4.
- Shiras, Mac G., Pittsburgh, Pa. Production of iron or steel. 1,963,315; June 19.
- Shirley, Cecil G. (See Lay, E. F., and Shirley.)
- Shive, Roy A. (See Patterson, G. D., and Shive.)
- Shively, Franklin L., Dayton, Ohio. Bedpan. 1,954,684; Apr. 10.
- Shively, James L., Camas, Wash., assignor to Crown Wilmamette Paper Company, San Francisco, Calif. Sift-proof bottom in paper bags. 1,971,625; Aug. 28.
- Shively, Walter L., East Orange, N. J., assignor to The Koppers Company of Delaware. Treatment of artificial gas. 1,945,001; Jan. 30.
- Shively, Walter L., East Orange, N. J., assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Thermostat control of pilot flames for burners. 1,968,319; July 31.
- Shively, Walter L., East Orange, N. J., assignor to The Koppers Company of Delaware, Pittsburgh, Pa. Self-cleansing valve mechanism. 1,968,320; July 31.
- Shivers, George C., Colorado Springs, Colo. Self contained pH indicating drug. 1,951,563; Mar. 20.
- Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Low-limit temperature control. 1,961,252; June 5.
- Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Modulating motor. 1,962,620; June 12.
- Shivers, Paul F., assignor to Minneapolis-Honeywell Regulator Company, Wabash, Ind. Magnet thermostat. 1,966,106; July 10.
- Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Apparatus for heating fluid. 1,985,215; Dec. 18.
- Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating fluid. 1,985,216; Dec. 18.
- Shmigell, Jakim, Rome, N. Y. Picture album of the changeable type. 1,962,039; June 5.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Storing and dispensing feed. 1,981,433; Nov. 20.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Apparatus for storage and ventilation of hay. 1,981,434; Nov. 20.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Material handling mechanism. 1,981,435; Nov. 20.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Method and apparatus for the storage, curing, and preservation of hay. 1,981,436; Nov. 20.
- Shodron, John G., J. B. Olson, and C. S. Wandschneider, assignors to James Manufacturing Company, Fort Atkinson, Wis. Window and door adjusting and holding mechanism. 1,941,762; Jan. 2.
- Shoe Form Co. Inc. (See De Witt, William J., assignor.)
- Shoe Hardware Company, The. (See Hopkinson, E., and Dalton, assignors.)
- Shoe Hardware Company, The. (See Rutherford, Eugene W., assignor.)
- Shoe Lace Company. (See Matson, Carl A., assignor.)
- Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Treating gas. 1,945,002; Jan. 30.
- Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Apparatus for the manufacture of a refrigerant. 1,949,730; Mar. 6.
- Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Apparatus for treating liquids. 1,952,099; Mar. 27.
- Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Purification and separation of gaseous mixtures. 1,971,798; Aug. 28.
- Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Recovering ammonia from gas by contact with acid phosphate. 1,980,006; Nov. 6.
- Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Removing ammonia from gases. 1,980,007; Nov. 6.
- Shoeld, Mark, Mount Lebanon Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Manufacture of fertilizers. 1,980,008; Nov. 6.
- Shoemaker, Alvin H., Seattle, Wash. Wheel, rim, and tire construction. 1,949,695; Mar. 6.
- Shoemaker, Alvin H., Seattle, Wash. Constructing pneumatic tires. 1,977,018; Oct. 16.
- Shoemaker, Edwin J. (See Knabusch, E. M., and Shoemaker.)
- Shoemaker, Fred G., Ferndale, assignor to General Motors Research Corporation, Detroit, Mich. Piston pin lubrication system. 1,947,023; Feb. 13.
- Shoemaker, Fred G., Ferndale, assignor to General Motors Research Corporation, Detroit, Mich. Connecting rod design for radial engines. 1,963,423; June 19.
- Shoemaker, Fred G., Ferndale, assignor to General Motors Research Corporation, Detroit, Mich. Induction system for carbureted two-cycle engines. 1,967,069; July 17.
- Shoemaker, Harry E., San Francisco, Calif. Bag folding and sealing machine. 1,956,160; Apr. 24.
- Shoemaker, Joseph J., Clawson, and R. E. Schwarz, Royal Oak, Mich. Group feed distribution system. 1,979,353; Nov. 6.
- Shoemaker, William E., Freeport, assignor to Sinclair Refining Company, New York, N. Y. Price indicator. 1,948,191; Feb. 20.
- Shoemaker, William E., Freeport, assignor to Sinclair Refining Company, New York, N. Y. Price indicator. 1,949,666; Mar. 6.
- Shoenberger, Philip D., Oakland, Calif. Fluid fuel burner. 1,969,157; Aug. 7.
- Shoe Press Corporation. (See Anderson, William S., assignor.)
- Shofer, Marc R., Minneapolis, Minn., and J. V. Ewers, assignors of one-half to Iowa Fiber Box Company, Keokuk, Iowa, and one-half to South West Box Company, Sand Springs, Okla. Liner for shipping containers. 1,985,111; Dec. 18.
- Shoff, Clarence H., Kent, Wash. Making a fish bait and the product thereof. 1,953,692; Apr. 3.
- Shoffman, Aron, West Kensington, London, England. Steering gear of motor vehicles. 1,956,932; May 1.
- Sholkin, Arcady N., Manila, Philippine Islands, assignor to Radio Corporation of America. Signaling. 1,962,467; June 12.
- Sholtz, Raymond H. (See Thurber, A. E., and Sholtz.)
- Shomaker, Wesley P., Richmond, Va. Cylinder connection for printing machines. 1,958,175; May 8.
- Shomaker, Wesley P., Richmond, Va. Magazine carrier chain. 1,961,645; June 5.
- Shomaker, Wesley P., Richmond, Va. Printing belt. 1,974,369; Sept. 18.
- Shomaker, Wesley P., Richmond, Va. Straight line feeding mechanism. 1,976,892; Oct. 16.
- Shomaker, Wesley P., Richmond, Va. Sheet feeding mechanism. 1,976,893; Oct. 16.
- Shomaker, Wesley P., Richmond, Va. Dating and numbering cylinder. 1,978,554; Oct. 30.
- Shonkwiller, Albert H., and D. M. Shanafelt, Steubenville, Ohio. Finishing ferrous sheet material. 1,946,766; Feb. 13.

- Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Propyl-methyl-carbinyl allyl barbituric acid and its salts. 1,954,429; Apr. 10.
- Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Secondary-butyl-carbinyl ethyl barbituric compound. 1,977,561; Oct. 16.
- Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. Secondary-hexyl ethyl barbituric acid and its salts. 1,985,217; Dec. 18.
- Shonnard, Harold W., Montclair, N. J. Balustrade for moving hand rails. 1,941,498; Jan. 2.
- Shook, Florain J., Akron, Ohio, assignor to National Standard Company, Niles, Mich. Tire building apparatus. 1,957,981; May 8.
- Shook, Florain J., assignor to P. A. Frank, Akron, Ohio. Method and apparatus for building tires. 1,981,828; Nov. 20.
- Shook, Florain J., assignor to National Rubber Machinery Company, Akron, Ohio. Vulcanizer. 1,984,768; Dec. 18.
- Shook, Norman E., Bay City, Mich. Key holder. 1,965,472; July 3.
- Shoosmith, Guy T., assignor, by mesne assignments, to C. F. Hockley, receiver for The Silica Gel Corporation, Baltimore, Md. Adsorption system. 1,959,389; May 22.
- Shope, Thomas H., Southgate, Calif. Pulley. 1,968,321; July 31.
- Shore, Albert E., New York, N. Y. Apparatus for measuring the hardness of materials. 1,982,026; Nov. 27.
- Shore, Henry, Elizabeth, N. J., assignor to Radio Corporation of America. Modulated oscillator. 1,958,212; May 8.
- Shore, William E., Staten Island, N. Y. Electric motor compressor. 1,973,019; Sept. 11.
- Shore-Line Builders, Inc. (See Weber, Carl, assignor.)
- Shores, Paul. (See Lake, C. D., and Shores.)
- Shorrocks, James P., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Covering machine. 1,958,375; May 8.
- Short, Bladen M., and H. S. Jandus, assignors to Lyon Cover Company, Detroit, Mich. Tire cover. 1,985,429; Dec. 25.
- Short, Carleton W. (See Shaw, G. B., Sturdevant, and Short.)
- Short, Charles R. (See Mougey, H. C., and Short.)
- Short, Charles R., Clermont, Fla., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing. 1,957,111; May 1.
- Short, Charles R., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Composite piston. 1,979,498; Nov. 6.
- Short, Donald W., Palisades Park, assignor to Jenkins Television Corporation, Jersey City, N. J. Scanning method and apparatus. 1,941,628; Jan. 2.
- Short, Donald W., Woodridge, N. J., assignor, by mesne assignments, to Radio Corporation of America. Television apparatus. 1,970,632; Aug. 21.
- Short, Frank A., Hillside, N. J., assignor to T & P Optical Mfg. Co., Inc., New York, N. Y. Housed spring for hinge connections of eyeglass frames. 1,978,725; Oct. 30.
- Short, J. R., Milling Company. (See Haas, Louis W., assignor.)
- Short, J. R., Milling Company. (See Haas, L. W., and Bohn, assignors.)
- Short, J. R., Milling Company. (See Haas, L. W., and Renner, assignors.)
- Short, J. R., Milling Company. (See Véron, Diego, assignor.)
- Short, Lemuel W., Beaverton, Oreg. Cable guard and holder ring. 1,967,134; July 17.
- Short, Lillie A., Buffalo, N. Y. Meat-tenderer. 1,976,751; Oct. 16.
- Short, Otto R. (See Pentler, S. J., and Short.)
- Short, Raymond J., Nutley, assignor, by mesne assignments, to Lusteroid Container Company, Inc., Maplewood, N. J. Dispensing tube. 1,942,576; Jan. 9.
- Short, Robert J. (See Burt, R. V., and Short.)
- Short, Sydney G., Willesden, London, England. Color or other cinematography. 1,954,953; Apr. 17.
- Short, Winifred M., Topeka, Kans. Therapeutic bed-pad. 1,970,200; Aug. 14.
- Shortell, William H., Greenfield, Mass. Glass cutter. Des. 93,639; Oct. 16.
- Shortland, Arthur. (See Bromley, T. C., and Shortland.)
- Shortwave & Television Corporation. (See Baird, Hollis S., assignor.)
- Shortwave & Television Corporation. (See Slaton, L. R., and Morgan, assignor.)
- Shott, J. H., et al. (See Read, Earle S., assignor.)
- Shotwell, Harry I., Wenatchee, Wash. Apple. Pl. Pt. 90; Apr. 3.
- Shotwell, John S. G., Paulsboro, N. J. Finishing and conditioning paper. 1,962,882; June 12.
- Shoup, Allen, Oaklyn, N. J., assignor to Radio Corporation of America. Photophonographic apparatus. 1,974,900; Sept. 25.
- Shoup-Owens, Inc. (See Owens, C. M., and Peterson, assignors.)
- Shoup, Ralph L., Independence, Mo. Vehicle signal. 1,951,172; Mar. 13.
- Shover, Barton R., Pittsburgh, Pa. Screw-down. 1,948,804; Feb. 27.
- Shover, Barton R., Pittsburgh, Pa. Rolling mill. 1,981,078; Nov. 20.
- Shover, Barton R., Pittsburgh, Pa. Apparatus for handling rolled material. 1,981,079; Nov. 20.
- Showalter, Victor E., and C. H. Gupitail, assignors to Elgin National Watch Company, Elgin, Ill. Tachometer. 1,978,605; Oct. 30.
- Showers, Lewis M., jr., and I. M. Chambers, Juniata, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Railway refrigerator container. 1,949,381; Feb. 27.
- Shrader, Terry M., West Summit, N. J., assignor to Radio Corporation of America. Indirectly heated cathode. 1,975,870; Oct. 9.
- Shreffler, Elwyn O., and A. D. Lesage, Manteno, Ill. Vacuum controlled clutch and brake operating mechanism. 1,966,768; July 17.
- Shrigley, Edward E., Cuyahoga Falls, Ohio. Battery terminal connector. 1,960,699; Mar. 13.
- Shrike, Garnett W., and W. C. Berry, St. Louis, Mo. Folding automobile top. 1,978,694; Oct. 30.
- Shrimpton, Alfred E., Newark, Ohio. Clothes prop. 1,973,018; Sept. 11.
- Shriver, Charles E., and H. T. O'Connor, Youngstown, Ohio. Casket pedestal. 1,975,558; Oct. 2.
- Shriver, Harry P., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Treasure chest and making the same. 1,954,896; Apr. 17.
- Shrodes, George H., Los Angeles, Calif. Douche nozzle. Des. 93,682; Oct. 23.
- Shropshire, Leslie P., Chester, Pa., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y. Emulsifier. 1,983,782; Dec. 11.
- Shroyer, Jacob L., Oak Park, assignor to Edison General Electric Appliance Company, Chicago, Ill. Heat control system. 1,954,147; Apr. 10.
- Shroyer, Jacob L., Oak Park, Ill., assignor to Edison General Electric Appliance Company. Heater. 1,959,935; May 22.
- Shryock, Joseph G., Philadelphia, Pa. Floor construction. 1,983,410; Dec. 4.
- Shudde, Alfred J., et al. (See Johnson, Louis V., assignor.)
- Shue, Ingle R., assignor to Gardner Machine Company, Beloit, Wis. Grinding disk. 1,964,537; June 26.
- Shue, Ingle R., assignor to Gardner Machine Company, Beloit, Wis. Grinding disk. 1,964,538; June 26.
- Shue, Ingle R., assignor to Gardner Machine Company, Beloit, Wis. Grinding disk. 1,964,539; June 26.
- Shue, Ingle R., assignor to Gardner Machine Company, Beloit, Wis. Making a grinding disk. 1,964,540; June 26.
- Shuey, Guy A. (See MacIntire, W. H., and Shuey.)
- Shuey, Lloyd A., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Coll separating machine and method. 1,983,642; Dec. 11.
- Shuford, Gale W., B. F. Childers, and F. Christian, Drexel, N. C., assignors to Scott & Williams, Incorporated, New York, N. Y. Stop motion device. 1,980,103; Nov. 6.
- Shugart, Ernest W., Kalamazoo, Mich. Dispensing pump. 1,983,819; Dec. 11.
- Shugart, Ernest W., Kalamazoo Township, Kalamazoo County, and H. Van Dam, Kalamazoo, Mich. Nozzle. 1,983,820; Dec. 11.
- Shugart, Harold E., Los Angeles, Calif. Ceiling. 1,954,954; Apr. 17.
- Shull, David P., Los Angeles, Calif. Photographic copying attachment. 1,973,542; Sept. 11.
- Shults, Hans O., Chicago, Ill. Combination display fixture and storage case. Des. 93,525; Oct. 2.
- Shults, Herbert O., et al. (See Rindskoff, Alexander C., assignor.)
- Shultz, Chauncey F., St. Louis, Mo. Brush making machine. 1,949,494; Mar. 6.
- Shultz, Raymond F. (See Eëberg, A. W., Latora, and Shultz.)
- Shumaker, Raymond L., et al. (See Heron, Sam D., assignor.)
- Shumard, Charles C., West Orange, N. J., assignor to Radio Corporation of America. Radio frequency distribution system. 1,968,099; July 31.
- Shunk, John Q., Bucyrus, Ohio. Oscillating axle for vehicles. 1,947,363; Feb. 13.
- Shunk, Walter C., Chicago, Ill. Protecting trailing cables. 1,947,503; Feb. 20.
- Shuron Optical Company. (See Byrne, John M., assignor.)
- Shuron Optical Company. (See Long, Eli M., assignor.)
- Shuron Optical Company, Inc. (See Lockhart, William A., assignor.)
- Shuron-Optical Company, Inc. (See McDonnell, William E., assignor.)
- Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Air filter for heating and ventilating units. Re19,260; July 31.
- Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Thermal air conditioning unit. 1,944,908; Jan. 30.
- Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Comfort temperature regulator. 1,960,926; May 29.
- Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Ventilating unit. 1,971,356; Aug. 28.
- Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Humidifying apparatus. 1,973,729; Sept. 18.
- Shuster, F. B., Company, The. (See Roberts, Joseph H., assignor.)

- Shuster, Myer M., Philadelphia, Pa. Hobbyhorse. Re19,327; Sept. 25.
- Shuster, Myer M., Philadelphia, Pa. Hobby horse. 1,961,796; June 5.
- Shutack, George A., et al. (See Lisella, R. A., and Daderko, assignors.)
- Shute, Arthur C. (See Bergen, W. V., and Shute.)
- Shutt, Charles C., Wilkesburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Self-starting polyphase synchronous motors. 1,958,903; May 15.
- Shuttleworth, Arthur W., Amsterdam, N. Y. Loom. 1,965,395; July 3.
- Shuttleworth, Arthur W., Amsterdam, N. Y. Apparatus and method for weaving pile fabrics. 1,965,396; July 3.
- Shuttleworth, Howard L., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric. 1,955,028; Apr. 17.
- Shutts, Leroy W., Detroit, Mich., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,973,116; Sept. 11.
- Shwyder Brothers Incorporated. (See Shwyder, Maurice B., assignor.)
- Shwyder, Jesse, Denver, Colo. Traveling bag. Des. 92,869; July 24.
- Shwyder, Maurice B., assignor to Shwyder Brothers, Incorporated, Denver, Colo. Folding tables. 1,955,151; Apr. 17.
- Sias, Arthur C., assignor to The Meriden Gravure Company, Meriden, Conn. Ash tray. Des. 91,847; Mar. 27.
- Sibley, Charles R., Lake Mary, Fla., assignor to Sibley-Pym Corporation, Lynn, Mass. Winding machine. 1,982,933; Dec. 4.
- Sibley, Charles R., Marblehead, and A. F. Pym, Beach Bluff, assignors to Sibley-Pym Corporation, Lynn, Mass. Freezing and dispensing device. 1,954,229; Apr. 10.
- Sibley, Charles R., Marblehead, and A. F. Pym, Beach Bluff, assignors to Sibley-Pym Corporation, Lynn, Mass. Freezing and dispensing device. 1,969,104; Aug. 7.
- Sibley, Edward W., Hyde Park, assignor to Andrew J. Morse & Son, Inc., Boston, Mass. Shut off valve. 1,973,418; Sept. 11.
- Sibley, Eugene, Chevy Chase, Md. Radio beacon system. 1,941,585; Jan. 2.
- Sibley, George R., Merced, Calif. Automatic fish striker. 1,957,853; May 8.
- Sibley, James W. (See Taylor, J. B., and Weathers, assignors.)
- Sibley, John D. (See Mazoyer, Leon J., assignor.)
- Sibley-Pym Corporation. (See Bommer, Fred W., assignor.)
- Sibley-Pym Corporation. (See Pym, Arthur F., assignor.)
- Sibley-Pym Corporation. (See Sibley, Charles R., assignor.)
- Sibley-Pym Corporation. (See Sibley, C. R., and Pym, assignors.)
- Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Age-resisting vulcanized rubber product. 1,946,002; Feb. 6.
- Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Treatment of latex. 1,946,003; Feb. 6.
- Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Salts of diphenylguanidine and making same. 1,950,067; Mar. 6.
- Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of age resisting rubber product. 1,958,929; May 15.
- Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Rubber composition and preservation of rubber. 1,966,650; July 17.
- Sibson, Walter W., and H. H. Belcher, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Apparatus for conditioning textile materials. 1,952,825; Mar. 27.
- Sibson, Walter W., and J. W. Dennis, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying form. 1,959,932; May 22.
- Siciliano, Joseph, et al. (See Comiskey, Joseph W.)
- Sick, Aaron M., North Chicago, Ill. Display card holder. 1,959,067; May 15.
- Sickel, John C., assignor to Grennan Bakeries, Inc., Chicago, Ill. Carton. Des. 92,563; June 19.
- Siddeley, John D., Kenilworth, England. Luggage carrier for motor vehicles. 1,946,335; Feb. 6.
- Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 1,969,158; Aug. 7.
- Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
- Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Machine for making laundry bags. 1,944,532; Jan. 23.
- Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Laundry bag. 1,953,027; Mar. 27.
- Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Flat bed cutting and creasing press. 1,956,228; Apr. 24.
- Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Sheet-feeding mechanism. 1,956,229; Apr. 24.
- Sidel, Kenneth S., Lebanon, Ill. Baling wire. 1,957,676; May 8.
- Sidéris, André B., Strasbourg, France. Apparatus for cooling liquids. 1,962,845; June 12.
- Sidney, Arthur A., Thornton Heath, England, assignor to Bryce Limited. Fuel injection pump for internal combustion engines. 1,945,452; Jan. 30.
- Sidney, Arthur A., Thornton Heath, England, assignor to Bryce Limited. Fuel pump. 1,951,215; Mar. 13.
- Sidney, Arthur A., Thornton Heath, assignor to Bryce Limited, Hackbridge, England. Injector nozzle for internal combustion engines. 1,973,666; Sept. 11.
- Sidney, William E., Pittsburgh, Pa. Drafting device. 1,980,884; Nov. 13.
- Siebenbürger, Hugo, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Sulphuric acid ester of fatty acid compounds of high molecular weight and making same. 1,942,577; Jan. 9.
- Siebenlist, Anthony G., assignor to Milcar Steel Company, Milwaukee, Wis. Metallic base-board. 1,950,634; Mar. 13.
- Sieber, Heinrich. (See Eckert, W., Sieber, and Greune.)
- Siebers, Johannes H. W., Voorburg, Netherlands. Electrical recording device. 1,954,955; Apr. 17.
- Siebert, Adam J. (See Schultz, R. H., Siebert, and Borloz.)
- Siebert, Donald W., and A. A. Greenwood, assignors to O. W. Siebert Company, Gardner, Mass. Folding go-cart. 1,978,915; Oct. 30.
- Siebert, Nelson J. (See Parker, W. R., Seibert, and MacLean.)
- Siebert, O. W., Company. (See Siebert, D. W., and Greenwood, assignors.)
- Siebert, Otto. (See Kuhrmann, F., and Siebert.)
- Siebert, Otto, and W. Benade, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of dyes of the azine series. 1,960,351; May 29.
- Siebrandt, John R., Kansas City, Mo. Pendulum abduction frame. 1,964,930; July 3.
- Siebt, Georg, Berlin-Schöneberg, Germany. System of electrodes for electric glow discharge tubes. 1,941,956; Jan. 2.
- Sieck, William, Jr., Hubbard Woods, assignor to William Garrigue & Co., Chicago, Ill. Distillation system. 1,982,598; Nov. 27.
- Siedentopf, Henry, assignor to the firm Carl Zeiss, Jena, Germany. Illumination device for microscopes. 1,960,554; May 29.
- Sieff, Solomon H., and G. W. Battle, London, England. Apparatus for use in the manufacture of badminton and like shuttlecocks. 1,978,376; Oct. 23.
- Sieg, Emil F., Maywood, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Framing apparatus for making purses. 1,960,799; May 29.
- Sieg, Karl. (See Langston, S. M., and Sieg.)
- Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Corrugator. 1,947,066; Feb. 13.
- Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Change speed gearing. 1,984,039; Dec. 11.
- Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J. Cut-off mechanism. 1,984,040; Dec. 11.
- Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Company, Camden, N. J. Continuously operating cut-off mechanisms. 1,984,041; Dec. 11.
- Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co. Cut-off mechanism. 1,984,043; Dec. 11.
- Siegal, George H., Pittsburgh, Pa. Egg candling device. 1,983,104; Dec. 4.
- Siegel, A. L., Co. (See Siegel, A. L., and Jacobs, assignors.)
- Siegel, Abraham L., Brooklyn, N. Y., and H. A. Jacobs, Minneapolis, Minn., assignors to A. L. Siegel Co., Inc., New York, N. Y. Case for toilet articles. Des. 91,414; Jan. 23.
- Siegel, David T., Chicago, Ill. Rheostat potentiometer. 1,942,495; Jan. 9.
- Siegel, David T., Chicago, Ill. Electrical resistance unit. 1,942,496; Jan. 9.
- Siegel, David T., Chicago, Ill. Contact for rheostats and fixing same. 1,948,774; Feb. 27.
- Siegel, David T., Chicago, Ill. Electrical resistance unit. 1,975,623; Oct. 2.
- Siegel, Joseph, assignor to American Lady Corset Company, Inc., Detroit, Mich. Garment. 1,966,973; July 17.
- Siegel, Sam, New York, N. Y. Food product. 1,968,916; Aug. 7.
- Sieger, George N. (See Taylor, C., Weiger, and Sieger.)
- Sieger, George N., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Hard metallic composition and contacts thereof. 1,984,203; Dec. 11.
- Siegert, Walter, assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa. Stuffing box for reciprocating pumps and the like. 1,960,927; May 29.
- Siegrfried, Clarence E., Sandusky, Ohio, assignor, by mesne assignments, to Construction Materials Patents, Inc. Apparatus for vulcanizing a molded strip. 1,948,011; Feb. 20.
- Siegle, Jacob C., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Treating cast hollow ingots. 1,945,087; Jan. 30.

Siegler, Edwin J., and W. Gear, jr., Cincinnati, Ohio. Device for preserving flowers in floral sprays. 1,951,777; Mar. 20.

Sieglitz, Adolf, and K. Stenger, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Disazo dyestuffs. 1,953,512; Apr. 3.

Siegmán, Sidney B., New York, N. Y. Garment adjuster. 1,954,600; Apr. 10.

Siegwarth, Carl W., Detroit, Mich. Window installation. 1,950,822; Mar. 13.

Sieling, Edward H., Chicago, Ill. Urn bag. 1,961,947; June 5.

Sieloff, Charles L., Wellston, assignor to Sieloff Packing Company, St. Louis, Mo. Refrigerating system. 1,958,805; May 15.

Sieloff Packing Company. (See Sieloff, Charles L., assignor.)

Siemann, John C. (See Charch, W. H., Hyden, and Siemann.)

Siemen, Otto, and J. Hinsch, Itzehoe, Schleswig Holstein, Germany. Rotary pump. 1,972,410; Sept. 4.

Siemen, Otto, and J. Hinsch, Itzehoe, Germany. Rotary pump. 1,976,896; Oct. 16.

Siemens, Alfred, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Mercury-vapor rectifier. 1,982,326; Nov. 27.

Siemens Brothers & Company Limited. (See Christian, David A., assignor.)

Siemens Brothers & Company, Limited. (See Dixon, Reginald G., assignor.)

Siemens Brothers & Company, Limited. (See Grinsted, William H., assignor.)

Siemens Brothers & Company Limited. (See Humphries, Horace E., assignor.)

Siemens Brothers & Company Limited. (See Patterson, W. G., Christian, and Grinsted.)

Siemens Brothers & Company Limited. (See Patterson, W. G., and Long, assignors.)

Siemens-Elektro-Osmose G. m. b. H. (See Gerth, Oswald, assignor.)

Siemens-Elektro-Osmose G. m. b. H. (See Jenny, Alexander, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Arni, Hans, assignor.)

Siemens & Halske Aktiengesellschaft. (See Arzmaier, A., and Jaumann, assignors.)

Siemens & Halske Aktiengesellschaft. (See Baur, Ottmar, assignor.)

Siemens & Halske Aktiengesellschaft. (See Brandenburger, Leo, assignor.)

Siemens & Halske Aktiengesellschaft. (See Brandt, Fritz, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Conrad, Friedrich, assignor.)

Siemens & Halske Aktiengesellschaft. (See Döring, F., and Müller, assignors.)

Siemens & Halske Aktiengesellschaft. (See Ehrlicke, Erich, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Engelhardt, V., and Schönfeldt, assignors.)

Siemens & Halske, Aktiengesellschaft. (See Ewald, Waldemar, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Fischer, Fritz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Fischer, Johannes, assignor.)

Siemens & Halske Aktiengesellschaft. (See Flad, Artur, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Gabbert, Fritz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Gehrts, August, assignor.)

Siemens & Halske Aktiengesellschaft. (See Gossiau, Fritz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Gretener, Edgar, assignor.)

Siemens & Halske Aktiengesellschaft. (See Grüss, Heinz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Herrmann, Alice, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Jaumann, Andreas, assignor.)

Siemens & Halske Aktiengesellschaft. (See Kohl, Hans, assignor.)

Siemens & Halske Aktiengesellschaft. (See Kohl, H., and Scholz, assignors.)

Siemens & Halske, Aktiengesellschaft. (See Kufmüller, Karl, assignor.)

Siemens & Halske Aktiengesellschaft. (See Langer, Max, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Lohrmann, Gerhard, assignor.)

Siemens & Halske Aktiengesellschaft. (See Lubberger, Fritz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Lübcke, Ernst, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Machenheimer, Adolf, assignor.)

Siemens & Halske Aktiengesellschaft. (See Maier, Karl, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Mansel, Paul, assignor.)

Siemens & Halske Aktiengesellschaft. (See Masing, G., and Pocher, assignors.)

Siemens & Halske Aktiengesellschaft. (See Mathias, Maximilian, assignor.)

Siemens & Halske Aktiengesellschaft. (See Mayer, H., and Fenyo, assignors.)

Siemens & Halske Aktiengesellschaft. (See Morsbach, Kurt, assignor.)

Siemens & Halske Aktiengesellschaft. (See Morsbach, V., Steiner, and Lölkes, assignors.)

Siemens & Halske Aktiengesellschaft. (See Müller, Paul, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Neumann, Hans, assignor.)

Siemens & Halske Aktiengesellschaft. (See Pfeiderer, Fritz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Poleck, Hans, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Rassow, Horst, assignor.)

Siemens & Halske Aktiengesellschaft. (See Reichmann, Reinhold, assignor.)

Siemens & Halske Aktiengesellschaft. (See Richter, Otto, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Schleicher, Manfred, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Schleicher, M., Brandenburger, and Eichler, assignors.)

Siemens & Halske Aktiengesellschaft. (See Sedlmayer, Joseph, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Sell, Helmut, assignor.)

Siemens and Halske Aktiengesellschaft. (See Simon, Franz, assignor.)

Siemens & Halske Aktiengesellschaft. (See Strecker, Felix, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Thierbach, Dietwald, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Ungelenk, A., Fischer, and Endrass, assignors.)

Siemens & Halske, Aktiengesellschaft. (See Walter, Hans, assignor.)

Siemens & Halske Aktiengesellschaft. (See Weeber, O., and Soldan, assignors.)

Siemens & Halske Aktiengesellschaft. (See Wilhelm, Karl, assignor.)

Siemens & Halske Aktiengesellschaft. (See Wochinger, E., and Mathias, assignors.)

Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Müller, Konrad, assignor.)

Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Weeber, Otto, assignor.)

Siemens & Halske, Aktiengesellschaft, Wernerwerk. (See Wiessner, Alfred, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Fischer, Ernst, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Gleichmann, Hans, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Hähnel, Kurt, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Hanff, Ferdinand, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Held, Christian, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Kind, W., Schenk, and Busch, assignors.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Kühnel, Carl, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Kunst, Ludwig, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Mayr, Karl A., assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Noebel, Ernst, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Schlecker, Karl, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Schoil, P., and Kühnel, assignors.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Weimers, Wilhelm, assignor.)

Siemens, Henry J., assignor to E. B. Eidson, Corpus Christi, Tex. Cement mold. 1,981,203; Nov. 20.

Siemens, Herman B., assignor to Swift & Company, Chicago, Ill. Continuous automatically controlled absorption system. 1,941,499; Jan. 2.

Siena, Salvatore U., and B. M. Arth, assignors, by mesne assignments, to Ball-Rite Valve Company, Cleveland, Ohio. Valve construction. 1,980,144; Nov. 6.

Sieper, Fritz, Wuppertal-Langerfeld, Germany. Casing for circular piston engines. 1,982,027; Nov. 27.

Sieper, Fritz, Barmen-Langerfeld, assignor to the firm Barmer Maschinenfabrik A.-G., Barmen-Bittershausen, Germany. Gear-wheel pump for artificial silk spinning machine. 1,943,491; Jan. 16.

Siers, John A. H., Jersey City, N. J. Air temperature regulating apparatus. 1,957,558; May 8.

Siesel, S. M., Co. (See Steinhagen, Ewald D., assignor.)

Siever, Carl H., Oak Park, Ill. Preservation of vegetable cellulosic material. 1,983,248; Dec. 4.

Sievers, Henry J., Evanston, Ill. Flue scraper. 1,966,052; July 10.

Sievvert, Charles W., Los Angeles, Calif. Compressor and pump. 1,951,173; Mar. 13.

Sievvert, Ralph, and M. J. Cordes, Carroll, Iowa. Air circulating fan mounting. 1,976,897; Oct. 16.

- Siewert, Karl, assignor to Aktiebolaget Original-Odhner, Gottenborg, Sweden. Calculating machine. 1,957,617; May 8.
- Sigman, Ira R., assignor of one-half to N. A. Simonsen, Alameda, Calif. Electric circuit breaker. 1,983,150; Dec. 4.
- Sigmon, Arvil C., Red Bank, N. J. Thermostatic draft control. 1,971,431; Aug. 28.
- Sigmund Pumpen Bruder Sigmund. (See Surjaninoff, Michael, assignor.)
- Signal Engineering & Manufacturing Company. (See Ebert, Joseph F., assignor.)
- Signal Engineering & Manufacturing Company. (See Hanel, Charles L., assignor.)
- Signal Engineering and Manufacturing Company. (See Muehter, Manfred W., assignor.)
- Signal Service Corporation. (See Luce, Richard W., assignor.)
- Signode Steel Strapping Company. (See Bergstrom, Arthur T., assignor.)
- Signode Steel Strapping Company. (See Knowlton, Harry N., assignor.)
- Signode Steel Strapping Company. (See Peck, Samuel A., assignor.)
- Signode Steel Strapping Company. (See Porter, Howard C., assignor.)
- Signode Steel Strapping Company. (See Williams, William E., assignor.)
- Sigoda, Victor J., Brooklyn, N. Y. Pinking attachment for sewing machines. 1,944,580; Jan. 23.
- Sigoda, Victor J., Brooklyn, N. Y. Pinking device for sewing machines. 1,973,888; Sept. 18.
- Sigoda, Victor J., Brooklyn, N. Y. Intermediate course hemstitching and sewing machine attachments for producing the same. 1,980,705; Nov. 13.
- Sigsbee, Isaac V. (See Cole, C. E., Morrison, and Sigsbee.)
- Sigsbee, Isaac V., Peoria, Ill. Display machine. 1,984,948; Dec. 18.
- Sigwald, Charles G., assignor to Oil-Elec-Tric Engineering Corporation, Minneapolis, Minn. Oil burner air diffuser. 1,979,577; Nov. 6.
- Sigwart, August, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Normal ferrous salt of 2-nitronaphthalene-4,8-disulphonic acid. 1,968,964; Aug. 7.
- Sikes Company, The. (See Sengpiel, William A., assignor.)
- Sikorsky Aviation Corporation. (See Sikorsky, Igor, assignor.)
- Sikorsky, Igor, College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft, including means for entering and leaving same. 1,955,256; Apr. 17.
- Silberman, Eugen, and J. Stolcz, Oradea-mare, Rumania, assignors to Explorator A. G., Glarus, Switzerland. Fluid pressure rotary engine. 1,945,088; Jan. 30.
- Silent American Ticker Machine Co. (See Pierson, Hilding L., assignor.)
- Silent Glow Oil Burner Corporation. (See Binkley, Martin J., assignor.)
- Silent Glow Oil Burner Corporation, The. (See Gilbert, Alfred J., assignor.)
- Silent Glow Oil Burner Corporation, The. (See Sherman, Ralston M., assignor.)
- Silent Glow Oil Burner Corporation, The. (See Sherman, R. M., and Neumann, assignors.)
- Sillex Company, The. (See Boever, Anne M., assignor.)
- Sillex Company, The. (See Wolcott, Frank E., assignor.)
- Silfree Aktiengesellschaft (Silfree Limited). (See Roehrich, Carl, assignor.)
- Silica Gel Corporation, The. (See Abbott, C. F., and Conklin, assignors.)
- Silica Gel Corporation, The. (See Adair, S. T., and Cushing, assignors.)
- Silica Gel Corporation. (See Connolly, Gerald C., assignor.)
- Silica Gel Corporation, The. (See Connolly, G. C., and Miller, assignors.)
- Silica Gel Corporation, The. (See Connolly, G. C., and Pierce, assignors.)
- Silica Gel Corporation, The. (See Connolly, G. C., and Wurzbacher, assignors.)
- Silica Gel Corporation, The. (See Lewis, Samuel R.)
- Silica Gel Corporation, The. (See Miller, Ernest B., assignor.)
- Silica Gel Corporation, The. (See Miller, E. B., and Connolly, assignors.)
- Silica Gel Corporation, The. (See Shoosmith, Guy T.)
- Silica Products Company. (See Cross, Roy, assignor.)
- Siliceo, Emilio P., Mexico, Mexico. Electric motor. 1,966,315; July 10.
- Silk, Sam. (See Pitman, Herman E., assignor.)
- Silk City Metals Coating Company. (See Adler, J., and Doersein, assignors.)
- Silk-Eze Corporation. (See Pailler, Eugene C., assignor.)
- Silliere, Paul E., assignor to M. C. D. Borden & Sons, Inc., New York, N. Y. Textile fabric. Des. 92,324; May 22.
- Silliman, Horace F., assignor to The American Brass Company, Waterbury, Conn. Alloy. 1,974,839; Sept. 25.
- Silling, George M., Carbondale, Colo. Average speed computing means. 1,971,238; Aug. 21.
- Silva, Albert D., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Mechanical rectifier. 1,960,599; May 29.
- Silva, Albert D., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Amplifying system. 1,966,805; July 17.
- Silva, Albert D., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Amplifying apparatus. 1,983,047; Dec. 4.
- Silvay, Steven T., Bayonne, N. J. Machine for forming bundles. 1,965,992; July 10.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Hydraulic wheel feeding mechanism. 1,949,516; Mar. 6.
- Silver, Herbert R., Louisville, Ky. Mounting brake support on square trailer axles. 1,961,174; June 5.
- Silver, Joseph R., jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for making battery plate separators. 1,948,081; Feb. 20.
- Silver, Myer S., Brookline, Mass. Arch support. 1,952,613; Mar. 27.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Plow. 1,944,674; Jan. 23.
- Silvera, Redvers D., Los Angeles, Calif. Can perforator and dispenser. Des. 93,683; Oct. 23.
- Silverforb, Moss H. (See Van Noy, Raymond C., assignor.)
- Silverman, Alexander, Pittsburgh, Pa. Coloring agents for glass batches and employing same. 1,983,151; Dec. 4.
- Silverman, Charles, Providence, R. I. Device for holding down the front of shirts. 1,958,643; May 15.
- Silverman, Joseph, Chicago, Ill. Folding chair. 1,945,574; Feb. 6.
- Silverman, Joseph, Chicago, Ill. Cane seat. 1,957,033; May 1.
- Silverman, Samuel, Los Angeles, Calif. Attachment for tables. 1,962,575; June 12.
- Silverspitz, Morris, Brooklyn, N. Y. Fishing tackle case. 1,980,104; Nov. 6.
- Silverthorne, Frank H., New York, N. Y. Smoking pipe. 1,955,099; Apr. 17.
- Silvestrini, Nicolo. (See Bosso, V., Silvestrini, and Sacchi.)
- Silvis, Robert E. (See Fenner, H. H., and Silvis.)
- Sim, James, Cathcart, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Boiler feed system. 1,945,204; Jan. 30.
- Sim, James, Cathcart, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Rotary gas pump. 1,945,759; Feb. 6.
- Sim, James, Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Condensate extraction system. 1,953,355; Apr. 3.
- Sim, Stuart A. (See Hetherington, A. C., and Sim.)
- Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. 1,960,716; May 29.
- Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. 1,969,159; Aug. 7.
- Simeral, Claire C., and A. Drill, Portland, Oreg. Furnace. 1,977,651; Oct. 23.
- Simister, Louis W., Astoria, N. Y. Shoe. Des. 92,052; Apr. 17.
- Simjian, Luther G., New Haven, Conn. Producing photographic proof prints. 1,952,100; Mar. 27.
- Simjian, Luther G., New Haven, Conn. Pose reflecting booth. 1,952,387; Mar. 27.
- Simjian, Luther G., New Haven, Conn. X-ray observation apparatus. 1,961,713; June 5.
- Simjian, Luther G., New Haven, Conn. Self-photographing apparatus. 1,963,176; June 19.
- Simjian, Luther G., New Haven, Conn. Motion picture moving screen. 1,969,909; Aug. 14.
- Simjian, Luther G., New Haven, Conn. Multi-pose-reflecting apparatus. 1,969,910; Aug. 14.
- Simkins, Howard D., East Cleveland, and O. P. De Loe, assignors to The Superior Screw and Bolt Manufacturing Company, Cleveland, Ohio. Machine for finishing bolts and screws. 1,946,243; Feb. 6.
- Simmen, Oscar, Erlach, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Internal combustion engine. Electric installation for vehicles. 1,941,500; Jan. 2.
- Simmen, Oscar, Erlach, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Power transmission coupling. 1,950,700; Mar. 13.
- Simmen, Oscar, Erlach, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Internal combustion engine. 1,959,769; May 22.
- Simmen, Oscar, Erlach, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Internal combustion engine power unit for vehicles. 1,975,624; Oct. 2.
- Simunen, Paul J., Eden, N. Y. Automatic train control. 1,945,920; Feb. 6.
- Simunen, Paul J., Eden, N. Y. Automatic train control. 1,963,386; June 19.
- Simunen, Paul J., Eden, N. Y. Automatic train control. 1,971,950; Aug. 28.
- Simmerman, Harold, Westville, N. J., assignor to Philadelphia Optical Company, Philadelphia, Pa. Ophthalmic instrument. 1,970,150; Aug. 14.
- Simmerman, Joseph E., St. Louis, Mo. Vacuum operated device. 1,981,080; Nov. 20.
- Simmonds, Herman, jr., assignor of one-half to D. R. McLain, New York, N. Y. Holder for duplicate contract bridge hands. 1,981,154; Nov. 20.

- Simmons, Berkeley L., et al., executor. (See Simmons, Leo.)
- Simmons, Charles L., Detroit, Mich. Boiler. 1,949,939; Mar. 6.
- Simmons Company. (See Allen, Stuart R. W., assignor.)
- Simmons Company. (See Andersen, Theodore W., assignor.)
- Simmons Company. (See Bayer, Matthew F., assignor.)
- Simmons Company. (See Gail, John F., assignor.)
- Simmons Company. (See Stuart, Charles A., assignor.)
- Simmons Company. (See Woller, Edward E., assignor.)
- Simmons, Daniel M. (See Neary, Edward M., assignor.)
- Simmons, Donald M., Osborne, Pa., assignor to General Cable Corporation, New York, N. Y. Cable installation. 1,971,626; Aug. 28.
- Simmons, Finn, Brooklyn, N. Y., assignor of one-third to F. W. MacDonald, Blissfield, N. B., Canada, and one-third to H. C. Seaman, East Orange, N. J. Folding chair. 1,975,520; Oct. 2.
- Simmons, Frank, and C. M. Dinger, assignors to F. Sanders, Detroit, Mich. Display case. 1,967,542; July 24.
- Simmons, Frank K., West Hartford, and C. F. Sherman, assignors to The Henry & Wright Manufacturing Company, Hartford, Conn. Power press. 1,954,653; Apr. 10.
- Simmons, Frank L., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Magnetic chuck. 1,970,922; Aug. 21.
- Simmons, Gordon, Cleveland, Ohio, assignor to C. Smerling and C. J. Huber, Stoker. 1,970,344; Aug. 14.
- Simmons, Harl C., Davenport, assignor to The Micro Corporation, Bettendorf, Iowa. Sliced bread wrapping table. 1,985,466; Dec. 25.
- Simmons, Harry E., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Filler for chemical heating pads. 1,953,513; Apr. 3.
- Simmons, Harry M. (See Simmons, Stanley C. and H. M.)
- Simmons, Ira J. (See Hodson, W. D., and Simmons.)
- Simmons, John W., Cleveland, Ohio, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Determining the synchronism of electrical systems. 1,943,746; Jan. 16.
- Simmons, Kate, Wichita Falls, Tex. Protective mat for drawers. 1,979,578; Nov. 6.
- Simmons, Leo, deceased, Washington, D. C.; B. L. Simmons and The National Savings and Trust Company, executors, assignors to Speakman Company, Wilmington, Del. Shower bath spray head. 1,958,867; May 15.
- Simmons, M. Gloyd. (See Simmons, Oliver G., assignor.)
- Simmons, Oliver G., Lakewood, Ohio. Generating hour-glass worms. 1,958,958; May 15.
- Simmons, Oliver G., Lakewood, assignor to The National Tool Company, Cleveland, Ohio. Gear testing and lapping machine. 1,958,550; May 15.
- Simmons, Oliver G., assignor to M. G. Simmons, Lakewood, Ohio. Gear shaper. 1,968,469; July 31.
- Simmons, Paul R., assignor to Indiana Fibre Products Company, Marion, Ind. Box folding machine. 1,949,495; Mar. 6.
- Simmons, R. F. Company. (See Feid, Charles.)
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing shoes. 1,951,493; Mar. 20.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Scouring machine. 1,960,289; May 29.
- Simmons, Stanley C., Oaklawn, Ill., and H. M. Simmons, Pittsburgh, Pa., assignors to Star-Service Hanger Company, Detroit, Mich. Conveying and grouping machine. 1,984,659; Dec. 18.
- Simmons, William P., Denver, Colo. Tie-back holder. 1,955,152; Apr. 17.
- Simms, Charles F., assignor to Concord Silversmiths, Inc., Concord, N. H. Spoon or similar article. Des. 92,042; Apr. 17.
- Simms Motor Units Limited. (See Lock, Archibald C., assignor.)
- Simms, Terry B., Washington, D. C. Inspection device. 1,961,087; May 29.
- Simning, Roy B., assignor to Kynes Company, Minneapolis, Minn. Vehicle spring. 1,952,292; Mar. 27.
- Simning, Roy B., Minneapolis, Minn. Vehicle transport. 1,980,298; Nov. 13.
- Simon, Abraham A., assignor to A. Simon, New York, N. Y. Supporting and dispensing device. 1,973,543; Sept. 11.
- Simon, Aida. (See Simon, Abraham A., assignor.)
- Simon, Alfred W., Birmingham, L. C. Kron, Ensley, and H. Raymond, Pratt City, Ala. Smoke density meter device. 1,969,626; Aug. 7.
- Simon, Alfred W., Birmingham, L. C. Kron, Ensley, and H. Raymond, Pratt City, Ala. Gas cleaning apparatus. 1,969,627; Aug. 7.
- Simon, Charles, New York, N. Y. Self-adjusting brake mechanism. 1,953,660; Apr. 3.
- Simon, Clarence K., New York, N. Y., assignor to Dominion Distilleries Inc., Jersey City, N. J. Bottle. Des. 91,638; Feb. 27.
- Simon, Ernst, Berlin, Germany. Dowel pin, stud, or the like. 1,948,889; Feb. 27.
- Simon, Franklin, & Co. Inc. (See Bender, Yvette, assignor.)
- Simon, Franklin, & Co. Inc. (See Goodman, Abraham, assignor.)
- Simon, Franklin, & Co. Inc. (See Porpora, Mary, assignor.)
- Simon, Franz, Berlin-Steglitz, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,974,164; Sept. 18.
- Simon, Hellmut, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Cathode for electric discharge devices. 1,951,216; Mar. 13.
- Simon, Hellmut, Berlin-Friedenau, and M. Bareiss, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Electric rectifier. 1,953,781; Apr. 3.
- Simon, Hellmut, Berlin-Charlottenburg, and W. Harries, Jena/Thuringen, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Operating hot cathode tubes. 1,983,643; Dec. 11.
- Simon, Joseph. (See Goldberger, Leo, assignor.)
- Simon, Joseph H. (See Fichtner, Edwin C., assignor.)
- Simon, Louis J., Herne Hill, London, England. Advertising sign. 1,967,161; July 17.
- Simon, Lucien, Paris, France. Telemechanical control device for shock absorbers. 1,965,473; July 3.
- Simon, Max, Chicago, Ill. Card holder. 1,952,732; Mar. 27.
- Simon, Mortimer R., and L. Levy, Passaic, N. J. Anti-skidding device. 1,949,922; Mar. 6.
- Simon, Walter. (See Pier, M., and Simon.)
- Simonds, Herbert R., assignor to Simonds Worden White Company, Dayton, Ohio. Balancing abrasive wheels and wheels thereby balanced. 1,975,053; Sept. 25.
- Simonds, Royal H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,967,434; July 24.
- Simonds, Warren J., assignor to Rodney Hunt Machine Company, Orange, Mass. Reinforced tank. 1,948,137; Feb. 20.
- Simonds, Warren J., assignor to Rodney Hunt Machine Company, Orange, Mass. Demountable hump reel. 1,957,618; May 8.
- Simonds, Warren J., assignor to Rodney Hunt Machine Company, Orange, Mass. Adjustable reel for dye kettles and the like. 1,957,619; May 8.
- Simonds, Warren J., assignor to Rodney Hunt Machine Company, Orange, Mass. Making tanks. 1,961,600; June 5.
- Simonds Worden White Company. (See Anderson, Edward, assignor.)
- Simonds Worden White Company. (See Gloyd, Frank M., assignor.)
- Simonds Worden White Company. (See Simonds, Herbert R., assignor.)
- Simons, Aaron, New York, N. Y. Making dies, tools, etc. 1,951,174; Mar. 13.
- Simons, Ernest J., assignor to General Machinery Company, Spokane, Wash. Draft means for fuel stokers. 1,974,475; Sept. 25.
- Simons, Frank K., St. Davids, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Coupling. 1,980,933; Nov. 13.
- Simons, Frank K., St. Davids, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Coupling device. 1,983,007; Dec. 4.
- Simons, James M. (See Lindberg, F. L., and Simons.)
- Simons, Morris, New York, N. Y. Making dies. 1,952,388; Mar. 27.
- Simons, Paul, Weissig-Buhlau, near Dresden, Germany. Insulating electric conductors. 1,945,709; Feb. 6.
- Simons, Walter R., Los Angeles, Calif. Brick construction. 1,958,771; May 15.
- Simons, Walter R., Los Angeles, Calif. Wall structure. 1,973,912; Sept. 18.
- Simonsen, Irving P. (See Hannan, G. R., and Simonsen.)
- Simonsen, Irving P. (See Jacobsen, E., and Simonsen.)
- Simonsen, Nelis A. (See Sigman, Ira R., assignor.)
- Simonson, Alvin E., Kismet, Kans. Sectional inflating device. 1,951,998; Mar. 20.
- Simonson, McKinley C., O'Neill, Nebr. Rainy day tablet shield. 1,967,632; July 24.
- Simonson, Sigvard, Butler, Pa., assignor to O. C. Duryea Corporation, New York, N. Y. Car construction. 1,963,215; June 19.
- Simonsson, Hans P. B., Gottenborg, Sweden. Fastening means for curtain rods, portiere rods, or the like. 1,946,417; Feb. 6.
- Simpkins, Carl R., Inglewood, assignor to J. F. Meyer, Pasadena, Calif. Marble game apparatus. Des. 93,751; Oct. 30.
- Simpkins, Carl R., Inglewood, assignor to J. F. Meyer, Pasadena, Calif. Vending machine. 1,982,236; Nov. 27.
- Simpkins, Carl R., Inglewood, assignor to J. F. Meyer, Pasadena, Calif. Vending machine. 1,968,226; July 31.
- Simplex Engineering Company. (See Amsler, Walter O., assignor.)
- Simplex Gas Products Corporation. (See Donohue, Anthony J., assignor.)
- Simplex Paper Box Corporation. (See Gross, Ralph A., assignor.)
- Simplex Paper Corporation. (See Wood, Charles G., assignor.)
- Simplex Shoe Manufacturing Co., The. (See Vogel, Theodore F., assignor.)
- Simplex Valve and Meter Company. (See Borden, Moro M., assignor.)
- Simplex Wire and Cable Company. (See Evans, Ralph R., assignor.)

- Simplicity Engineering Company. (See Behnke, George W., assignor.)
- Simplifix Patents Ltd. (See Lamont, Boyd N. R., assignor.)
- Simpson, Adele S., New York, N. Y. Dress. Des. 93,245; Sept. 4.
- Simpson, Adele S., New York, N. Y. Dress. Des. 93,246; Sept. 4.
- Simpson, Adele S., New York, N. Y. Dress. Des. 93,247; Sept. 4.
- Simpson, Adele S., New York, N. Y. Dress. Des. 93,248; Sept. 4.
- Simpson, Albert H., Brooklyn, N. Y. Cigarette ash tray. 1,964,388; June 26.
- Simpson, Alden H., Springfield, Mass. Vehicle shock absorbing apparatus. 1,980,934; Nov. 13.
- Simpson, Charlie W., Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio. Swaged pusher and making the same. 1,957,235; May 1.
- Simpson, Clarence E., Springfield, Mass. Machine gun. 1,982,699; Dec. 4.
- Simpson, Earl W. (See Quick, P. H., and Simpson.)
- Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Weather strip window sash channel. 1,954,268; Apr. 10.
- Simpson, Emory G., A. C. Andersen, and S. E. Skinner, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Seat adjuster. 1,962,789; June 12.
- Simpson, Frank M. (See MacDonald, John J., assignor.)
- Simpson, Geoffrey A. G. (See Bull, R. A., Small, Simpson, and Mayer.)
- Simpson, George L., Corapolis, assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Electric heating furnace. 1,975,410; Oct. 2.
- Simpson, Glenn W. (See Simpson, Leon G., assignor.)
- Simpson, Herbert S. (See Rapp, A. G. J., and Christensen, assignors.)
- Simpson, Herbert S., Chicago, Ill. Bearing seal for mulling machines. 1,985,063; Dec. 18.
- Simpson, Herbert S., assignor to The Standard Sand & Machine Company, Chicago, Ill. Sand mixer. 1,948,805; Feb. 27.
- Simpson, Herman N., Port Townsend, Wash. Making hollow containers. 1,956,776; May 1.
- Simpson, Howard W., assignor to Ford Motor Company, Dearborn, Mich. Tractor wheel spade. 1,963,686; June 19.
- Simpson, James, assignor to Abingdon Sanitary Mfg. Co., Abingdon, Ill. Sanitary plumbing connection. 1,944,850; Jan. 23.
- Simpson, Jerry H., assignor to The Bahnson Company, Winston-Salem, N. C. Humidifier. 1,966,872; July 17.
- Simpson, John F., assignor to Ensemble Manufacturing Company, Inc., Washington, D. C. Apparatus for making facial and massage cream. 1,983,319; Dec. 4.
- Simpson, John H., jr., Philadelphia, Pa., and A. B. Merrill, Akron, Ohio, assignors of one-half to J. Sullivan & Sons Manufacturing Company, Philadelphia, Pa., and one-half to The B. F. Goodrich Company, New York, N. Y. Brake lining and making the same. 1,958,116; May 8.
- Simpson, John M., assignor to Warner Gear Company, Muncie, Ind. Transmission shift. 1,963,387; June 19.
- Simpson, John M., and S. O. White, Muncie, assignors, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Free wheeling transmission. 1,949,221; Feb. 27.
- Simpson, Kenneth M., assignor to International Chromium Process Corporation, New York, N. Y. Refractory and manufacture. 1,943,263; Jan. 9.
- Simpson, Leon G., assignor of two-thirds to G. W. Simpson, Rochester, N. Y. Window screen. 1,972,539; Sept. 4.
- Simpson, Louis F., Portland, Oreg. Milk bottle. 1,958,499; May 15.
- Simpson, Lowe E., Cincinnati, Ohio. Sifting apparatus. 1,981,081; Nov. 20.
- Simpson, Ray, River Forest, assignor to Jewell Electrical Instrument Co., Chicago, Ill. Radio testing apparatus. 1,949,634; Mar. 6.
- Simpson, Robert J. O., assignor to The L. S. Starrett Company, Athol, Mass. Alignment gauge. 1,965,131; July 3.
- Simpson, Robert J. O., assignor to The L. S. Starrett Company, Athol, Mass. Drum frictioning device. 1,977,863; Oct. 23.
- Simpson, Thomas A. (See Sloggett, S. D., and Simpson.)
- Simpson, Ward T., assignor, by mesne assignments, to H. Randel Dickinson, Grand Rapids, Mich. Convector system for oil cracking. 1,955,568; Apr. 17.
- Simpson, Ward T., and J. B. Bentley, assignors to Henry Randel Dickinson, Grand Rapids, Mich. Window. 1,943,932; Jan. 16.
- Simpson, William B., jr. (See Warren, G. A., and Simpson.)
- Simpson, William O., Mexico, Mexico. Nut lock. 1,959,741; May 22.
- Sims, Alfred V., Brooklyn, N. Y. Hay drying and the like. 1,946,814; Feb. 13.
- Sims, Alfred V., Brooklyn, N. Y. Valve. 1,980,833; Nov. 13.
- Sims, Ernest M., Elkhart, Ind. Metal building structure. 1,959,880; May 22.
- Sims, James E., assignor to J. Disco, Santa Ana, Calif. Expandable abrading tool. 1,960,555; May 29.
- Sims, Joseph, Birmingham, Ala. Flange lubricator. 1,979,056; Oct. 30.
- Sims, Willis F., and V. U. Cloer, assignors to Panhandle Refining Company, Wichita Falls, Tex. Treating hydrocarbon vapors. 1,948,890; Feb. 27.
- Sims, Willis F., and V. U. Cloer, assignors to Panhandle Refining Company, Wichita Falls, Tex. Heat treating hydrocarbon oil. 1,981,572; Nov. 20.
- Simsohn, Julian S., Melrose Park, assignor to Pennsylvania Range Boiler Company, Philadelphia, Pa. Water heating system. 1,959,933; May 22.
- Sinclair, Albert L., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Table. Des. 92,933; July 31.
- Sinclair, Alfred J., and H. E. Maynard, assignors to Chrysler Corporation, Detroit, Mich. Compound hydraulic brake master cylinder. 1,953,722; May 15.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,135; Aug. 21.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,136; Aug. 21.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,137; Aug. 21.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,138; Aug. 21.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,139; Aug. 21.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,140; Aug. 21.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,141; Aug. 21.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. Des. 93,360; Sept. 18.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming hub shells. 1,952,338; Mar. 27.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming bolts. 1,955,980; Apr. 24.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Hub shell and forming same. 1,965,203; July 3.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,965,204; July 3.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel and making the same. 1,977,701; Oct. 23.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming hub shells of vehicle wheels. 1,984,091; Dec. 11.
- Sinclair, Harold, Surbiton, Surrey, England. Hydraulic coupling. 1,963,720; June 19.
- Sinclair, Harold, Surbiton Hill, England. Power transmission system. 1,978,172; Oct. 23.
- Sinclair, Harry R., et al., trustees. (See Dodge, J. H., and Ekman, assignors.)
- Sinclair, Henry L. (See Johnson, J. M., and Sinclair.)
- Sinclair, Homer M., Holyoke, Mass., assignor to American Tissue Mills, Carton. 1,961,511; June 5.
- Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Recess type wall bed. 1,945,826; Feb. 6.
- Sinclair Refining Company. (See Apgar, F. A., and Beach, assignors.)
- Sinclair Refining Company. (See Apgar, F. A., and Runyan, assignors.)
- Sinclair Refining Company. (See Barth, Edwin J., assignor.)
- Sinclair Refining Company. (See Beardsley, Wilson H., assignor.)
- Sinclair Refining Company. (See Frye, William A., assignor.)
- Sinclair Refining Company. (See Gullette, Willis S., assignor.)
- Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
- Sinclair Refining Company. (See Isom, Edward W., assignor.)
- Sinclair Refining Company. (See Isom, E. W., and Herthel, assignors.)
- Sinclair Refining Company. (See Isom, E. W., and Taber, assignors.)
- Sinclair Refining Company. (See Larson, Clifford M., assignor.)
- Sinclair Refining Company. (See Lord, George R., assignor.)
- Sinclair Refining Company. (See Pelzer, Harry L., assignor.)
- Sinclair Refining Company. (See Shoemaker, William E., assignor.)
- Sinclair Refining Company. (See Shropshire, Leslie P., assignor.)
- Sinclair Refining Company. (See Smith, Reading B., assignor.)
- Sinclair Refining Company. (See Spencer, Carey F., assignor.)
- Sinclair Refining Company. (See Tift, Thomas D., assignor.)
- Sinclair, William, assignor to Production Engineering Company, Detroit, Mich. Automatic boring and facing machine. 1,965,714; July 10.
- Sinclair, William, assignor to Production Engineering Company, Detroit, Mich. Conveyor feed milling machine. 1,974,660; Sept. 25.
- Sinclair-Ross, James. (See Zetsche, J., and Sinclair-Ross.)

- Sinden, Alfred D., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Belt cleaner. 1,975,591; Oct. 2.
- Sinderson, John B., assignor to Barber-Colman Company, Rockford, Ill. Anti-back-lash device. 1,950,419; Mar. 13.
- Sinderson, John B., assignor to Barber-Colman Company, Rockford, Ill. Hobbing machine. 1,962,365; June 12.
- Sindler, Jay J., assignor to Hodgman Rubber Company, Framingham, Mass. Creping rubberized material. 1,948,138; Feb. 20.
- Sinel, Joseph, New York, N. Y. Protective covering for bottles and the like articles. 1,963,923; June 19.
- Singer, Abraham, New York, N. Y. Paper napkin. 1,958,384; May 8.
- Singer, Benjamin F., assignor of one-half to C. B. Isecovitz, Lancaster, Pa. Safety device. 1,953,871; Apr. 3.
- Singer, Charles C., Trenton, N. J. Automobile ventilator. 1,930,329; Mar. 6.
- Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Automatic switching telegraph private branch exchange system. 1,958,930; May 15.
- Singer, Fritz. (See Liebergeld, A., and Singer.)
- Singer, Fritz, Nuremberg, Germany, assignor to Tubus A. G., Zurich, Switzerland. Producing wrought iron. 1,960,832; May 29.
- Singer, Fritz, Nuremberg, Germany, assignor to Tubus A. G., Zurich, Switzerland. Method and apparatus for elongating metal articles. 1,982,544; Nov. 27.
- Singer, Fritz, and A. Liebergeld, Nuremberg, Germany, assignors to Tubus A. G., Zurich, Switzerland. Extrusion press. 1,984,603; Dec. 18.
- Singer, Hanns, Berlin-Steglitz, Germany, assignor to General Electric Company. Furnace. 1,979,083; Oct. 30.
- Singer, Harry, Dorchester, Mass. Automatic camera. 1,956,456; Apr. 24.
- Singer, James, Chicago, Ill. Card or memorandum holder. 1,974,661; Sept. 25.
- Singer Manufacturing Company, The. (See Ackerman, James E., assignor.)
- Singer Manufacturing Company, The. (See Allen, E. B., and Knox, assignors.)
- Singer Manufacturing Company, The. (See Barron, William L., assignor.)
- Singer Manufacturing Company, The. (See Baxter, J., and Tivendale, assignors.)
- Singer Manufacturing Company, The. (See Campbell, Daniel M., assignor.)
- Singer Manufacturing Company, The. (See Card, Frederic M., assignor.)
- Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
- Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
- Singer Manufacturing Company, The. (See Corral, Herbert, assignor.)
- Singer Manufacturing Company. (See Corral, H., and Heggie, assignors.)
- Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
- Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
- Singer Manufacturing Company, The. (See Fleckenstein, George A., assignor.)
- Singer Manufacturing Company, The. (See Goosman, Herbert J., assignor.)
- Singer Manufacturing Company, The. (See Guild, Lurelle Van A., assignor.)
- Singer Manufacturing Company, The. (See Herr, Park A., assignor.)
- Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
- Singer Manufacturing Company, The. (See Karle, John D., assignor.)
- Singer Manufacturing Company, The. (See Knaus, Nicholas, assignor.)
- Singer Manufacturing Company, The. (See Langille, Wilfred O., assignor.)
- Singer Manufacturing Company, The. (See McCann, Michael, assignor.)
- Singer Manufacturing Company. (See Miller, Henry C.)
- Singer Manufacturing Company, The. (See Moore, John L., assignor.)
- Singer Manufacturing Company, The. (See Moran, William J., assignor.)
- Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
- Singer Manufacturing Company, The. (See Peets, W. J., and Webb, assignors.)
- Singer Manufacturing Company, The. (See Sailer, Rudolph J., assignor.)
- Singer Manufacturing Company, The. (See Stempel, Ralph, assignor.)
- Singer Manufacturing Company, The. (See Svensson, Sven, assignor.)
- Singer Manufacturing Company, The. (See Tiesler, Alfred, assignor.)
- Singer Manufacturing Company, The. (See Vollman, Joseph, assignor.)
- Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)
- Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)
- Singer Manufacturing Company, The. (See Windsor, Nelson, assignor.)
- Singer Manufacturing Company, The. (See Wood, Alfred R., assignor.)
- Singer Manufacturing Company, The. (See Zabriskie, Henry L., assignor.)
- Singleton, Harold C., and E. R. Meissner, Schenectady, N. Y., assignors to General Electric Company. Sludge level indicator. 1,958,252; May 8.
- Singleton, Joseph L. (See Buss, O. F., Singleton, Dings, and Munz.)
- Singleton, William E., and W. M. Chace, jr., assignors to Peerless Laundry Services, Ltd., Los Angeles, Calif. Collar support for shirts. 1,985,523; Dec. 25.
- Singleton, James T., Fort Meade, Fla. Concentration of phosphate. 1,958,320; May 8.
- Singmaster & Breyer, Inc. (See Breyer, Frank G., assignor.)
- Sinko, John, Chicago, Ill. Cigar lighter. 1,970,711; Aug. 21.
- Sinner, Emil. (See Winning, R. K., and Sinner.)
- Sinnett, Chester M., Westmont, and M. E. Karns, Oaklyn, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound recording and reproducing system. 1,951,175; Mar. 13.
- Sintich, Victor, Dresden-Weisser Hirsch, Germany. Photographic surveying apparatus. 1,980,556; Nov. 13.
- Sinton, John F., and K. B. Anderson, assignors of one-half to Kobe, Inc., Los Angeles, Calif. Gas burner. 1,946,116; Feb. 6.
- Sioux Metal Products Company. (See Myers, Bon E., assignor.)
- Sipe, George H., Philadelphia, Pa. Ventilator. 1,946,887; Feb. 13.
- Sipe, Harry E., New York, N. Y., assignor to Hookless Fastener Company, Meadville, Pa. Fastening device. 1,959,319; May 15.
- Sipocz, Heinrich, Vienna, Austria. Fitting for handles. 1,945,299; Jan. 30.
- Sipp-Eastwood Corporation. (See Klein, Frederick, assignor.)
- Sipp-Eastwood Corporation. (See Sipp, Grant, assignor.)
- Sipp, Grant, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Winding machine. 1,955,100; Apr. 17.
- Sipp, Grant, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Shaft guard. 1,966,740; July 17.
- Sipp, Grant, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Winding machine. 1,981,712; Nov. 20.
- Sipp, Karl, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Baden, Germany. Production of cast iron. 1,965,436; July 8.
- Sippel, John J. (See Butterworth, H. W., jr., and Sippel.)
- Sippel, John J., Upper Darby, assignor to The Wicaco Machine Corporation, Philadelphia, Pa. Rayon spinning machine. 1,954,956; Apr. 17.
- Sippel, John J., Upper Darby, assignor to The Wicaco Machine Corporation, Philadelphia, Pa. Rayon spinning machine. 1,968,359; July 31.
- Sipple, William G. (See Oweger, L., and Sipple.)
- Sipprell, Herbert L. (See Sipprell, James A., and H. L.)
- Sipprell, James A. and H. L., Minneapolis, Minn. Power transmitting device. 1,965,673; July 10.
- Sirian Lamp Company. (See Braselton, Chester H., assignor.)
- Sirian Lamp Company. (See Heany, John A., assignor.)
- Sirian Lamp Company. (See Ruben, Samuel, assignor.)
- Sisco, Alexander, Lorain, Ohio. Spinner. 1,946,641; Feb. 13.
- Sisson, James G., assignor to The L. S. Starrett Company, Athol, Mass. Indicator. 1,953,028; Mar. 27.
- Sisson, Vinton E., Winnetka, assignor to Union Metal Products Company, Chicago, Ill. Railway car wall. 1,981,814; Nov. 20.
- Sisson, Vinton E., Winnetka, assignor to Union Metal Products Company, Chicago, Ill. Buffer mechanism for passenger cars. 1,983,048; Dec. 4.
- Sisson, Vinton E., Winnetka, assignor to Union Metal Products Company, Chicago, Ill. Railway car hopper door. 1,983,049; Dec. 4.
- Sites, Benjamin L., assignor to The Miehle Printing Press & Mfg. Company, Chicago, Ill. Printing element and making same. 1,982,967; Dec. 4.
- Sithens, Edward J., Cynwyd, Pa. Bookholder. 1,945,661; Feb. 6.
- Sivon, Charles A. (See Sivon, Stephen U. and C. A.)
- Sivon, Stephen U., Ravenna, and C. A. Sivon, Painesville, Ohio. Phimosis hemostatic forceps. 1,946,642; Feb. 13.
- Sivyer Steel Casting Company. (See Burke, Ralph, assignor.)
- Sivyer Steel Casting Company. (See Means, Charles C., assignor.)
- Six, Walter J., Indianapolis, Ind. Piston expansion means. 1,958,154; May 8.
- Six, Willem, and W. Metzelaar, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for sound reproduction. 1,973,360; Sept. 11.
- Six-Way Corporation. (See Barcelo, Edward J., assignor.)
- Six Wheel Corporation. (See Low, John J., assignor.)
- Sizer, Fred W., Harbert, Mich. Clamping device. 1,983,050; Dec. 4.
- Sjaloss, Frank, Hoboken, N. J., assignor, by direct and mesne assignments, to L. A. Wilczek, New York, N. Y. Carbon holder. 1,959,008; May 15.
- Sjoberg, Henry A. E. (See Fenner, J. O., and Sjoberg.)
- Sjodin, Alexander, Rush City, C. J. Olund, and R. J. Moody, Cambridge, Minn. Display rack. 1,952,466; Mar. 27.

- Sjögren, Charl, Wessington Springs, S. Dak. Metallic clip forming machine. 1,985,646; Dec. 25.
- Sjogren, Oscar W., Huntington Park, and J. A. Vaughn, assignors to Killefer Manufacturing Company, Ltd., Los Angeles, Calif. Revolving drag scraper. 1,955,257; Apr. 17.
- Sjoholm, Gilbert, and E. Brisbois, assignors to Burroughs Adding Machine Company, Detroit, Mich. Radio interference eliminator. 1,959,114; May 15.
- Sjölander, Carl G. L., Gottenborg, Sweden. Apparatus for bending sheet or strip metal. 1,985,385; Dec. 25.
- Skagerberg, Butcher, Grand Rapids, Minn. Tent. 1,953,514; Apr. 3.
- Skala, Ljubomir W., Cicero, Ill., assignor to Chicago Television & Research Laboratories, Inc. Examining and photographically recording and reproducing spectra. 1,962,366; June 12.
- Skar, John G. L., and C. A. Johnson, assignors to Art Metal Construction Company, Jamestown, N. Y. Shelving and the like. 1,976,810; Oct. 16.
- Skar, John G. L., and C. A. Johnson, assignors to Art Metal Construction Company, Jamestown, N. Y. Book-stack and analogous structure. 1,978,174; Oct. 23.
- Skärblom, Karl E., Lidings, Sweden. Making ethylene glycol. 1,982,545; Nov. 27.
- Skazin, Leo, Ottawa, Ontario, Canada. Production of a concentrate of true maple flavor. 1,961,714; June 5.
- Skazin, Lev, Ottawa, Ontario, and J. F. Snell, Ste. Anne de Bellevue, Quebec, Canada. Nonmottling and non-hardening maple sugar and making the same. 1,970,870; Aug. 21.
- Skell, Lewis. (See Miller, F. P., and Skell.)
- Skenes, Allen, Turtle Creek, W. Va. Ladder. 1,969,628; Aug. 7.
- Skelly, George M., assignor to The Fafnir Bearing Company, New Britain, Conn. Cage for antifriction bearings. 1,966,266; July 10.
- Skelly Oil Company. (See Smith, Kenneth J., assignor.)
- Skelly Oil Company. (See Watkins, Walter G., assignor.)
- Skelton, Charles E., assignor to Frederick K. Kilian, Syracuse, N. Y. Swivel caster with expansible shank. 1,953,636; Apr. 3.
- Skelton, Owen R., Grosse Pointe, assignor to Chrysler Corporation, Detroit, Mich. Air cleaner. 1,944,279; Jan. 23.
- Skelton, William E. (See McCarty, B. Y., and Skelton.)
- Skenandoo Rayon Corporation. (See Gordon, Beirne, jr., assignor.)
- Skenandoo Rayon Corporation. (See Volk, Walter C., assignor.)
- Skidmore, George A., Rahway, N. J., F. R. Molitor, College Point, and J. F. De Mott, New York, N. Y. Ink distributor. 1,985,112; Dec. 18.
- Skillman, Earl C., North Branch, N. J. Hydraulic brake. 1,946,594; Feb. 13.
- Skillman, Newton, assignor to O. & S. Bearing Company, Detroit, Mich. Forming a connecting unit for shock absorbers and the like. 1,943,631; Jan. 16.
- Skindel, Anthony, and O. J. Gillespie, Villas, N. J. Safety air lock and suspender. 1,949,635; Mar. 6.
- Skinner, Bronson C., Dunedin, Fla., assignor to Brodrex Company, Los Angeles, Calif. Treatment of insect-infested fruit in preparation for market. 1,947,115; Feb. 13.
- Skinner, Bronson C., Dunedin, Fla., assignor to Food Machinery Corporation, San Jose, Calif. Can cooling apparatus. 1,964,276; June 26.
- Skinner, Bronson C., Dunedin, assignor to Brodrex Company, Winter Haven, Fla. Treatment of fresh fruit in preparation for market. 1,985,842; Dec. 25.
- Skinner, Bronson C., Dunedin, assignor to Brodrex Company, Winter Haven, Fla. Coating apparatus. 1,985,843; Dec. 25.
- Skinner, Charles P., Ventura, assignor to Byron Jackson Co., Los Angeles, Calif. Safety tool joint. 1,969,431; Aug. 7.
- Skinner, Clifton R., Palo Alto, Calif. Sound recording system. 1,985,584; Dec. 25.
- Skinner, Eugene C., San Diego, Calif. Invalid walker. 1,971,583; Aug. 28.
- Skinner, Fred J., Springfield, Mass. Garment hook. Des. 93,894; Nov. 20.
- Skinner Engine Company. (See Mueller, Herman G., assignor.)
- Skinner Irrigation Company, The. (See Coles, W. H., and Nelson, assignors.)
- Skinner, Leslie A., U. S. Army, Aberdeen Proving Ground, Md. Trigger mechanism. 1,972,113; Sept. 4.
- Skinner, Lewis B., Denver, Colo. Treating phosphates. 1,959,086; May 15.
- Skinner, M. B., Co. (See McMurray, Frederick R., assignor.)
- Skinner Motors, Inc. (See Brazel, F. W., Redner, Skinner, and Williams, assignors.)
- Skinner Motors, Inc. (See Redner, Arthur D., assignor.)
- Skinner, Paul A., et al. (See Bradburn, Curtis E., assignor.)
- Skinner, Ralph L. (See Brazel, F. W., Redner, Skinner, and Williams.)
- Skinner, Samuel S., Washington, D. C. Gasifying of animal and vegetable matter. 1,978,768; Oct. 30.
- Skinner & Sherman, Inc. (See James, Charles, assignor.)
- Skinner, Sherrod E. (See Simpson, E. G., Andersen, and Skinner.)
- Skipper, Edward M., and R. L. McCoy, assignors to Locke Insulator Corporation, Baltimore, Md. Adjustable gap protective device. 1,946,815; Feb. 13.
- Skipsey, Allison, St. Albans, England. Vulcanization of caoutchouc. 1,979,499; Nov. 6.
- Skirrow, Frederick W., and G. O. Morrison, Shawinigan Falls, assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Product derived from vinyl esters and making same. 1,971,951; Aug. 28.
- Sklar, Herman L., Coney Island, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Resistor molding apparatus. 1,973,117; Sept. 11.
- Sklar, Herman L., Coney Island, assignor to Micamold Radio Corporation, Brooklyn, N. Y. Condenser. 1,973,544; Sept. 11.
- Sklarek, Clifford, Los Angeles, Calif., assignor to International Spotlight Corporation, Chicago, Ill. Switch for dirigible lights. 1,981,204; Nov. 20.
- Skogmark, John, and M. F. Chase, New York, N. Y. Purification of gases. 1,954,366; Apr. 10.
- Skola, Vladimir, Aussig-on-the-Elbe, Czechoslovakia, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Making cast compact ceramic products. 1,944,616; Jan. 23.
- Skolfield, William K., Bridgeport, Conn., assignor to General Electric Company. Pivot bearing. 1,965,359; July 3.
- Skolnik, David, Glen Ridge, N. J. Game apparatus. 1,961,014; May 29.
- Skolnik, Max, Chicago, Ill. Electric ironer and dampener. 1,969,583; Aug. 7.
- Skoulard, George W., Los Angeles, Calif. Rotary internal combustion engine. 1,976,042; Oct. 9.
- Skow, Ross E., V. Ballou, and H. L. McLaughlin, assignors to National Pure Water Corporation, Des Moines, Iowa. Apparatus to be used in the distilling of liquids such as water. 1,964,708; June 26.
- Skow, Ross E., V. Ballou, and H. L. McLaughlin, assignors to National Pure Water Corporation, Des Moines, Iowa. Combination vapor condenser, liquid pre-heater, and deaerator. 1,970,821; Aug. 21.
- Skowlund, Nels T., Marinette, Wis. Ice cream freezing attachment. 1,944,114; Jan. 16.
- Skulavik, John. (See Andrasik, J., and Skulavik.)
- Skutt, Vestor J., et al. (See Powell, William E., assignor.)
- Skuttle, John L., Mason City, Iowa. Water supply regulator for humidifiers. 1,952,000; Mar. 20.
- Skuttle, John L., Mason City, Iowa. Flush valve mechanism. 1,982,550; Nov. 27.
- Sky Publicity Limited, et al. (See Orde, Godfrey P., assignor.)
- Slabaugh, William H. (See Leguillon, C. W., and Slabaugh.)
- Slack, Alfred D., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of ground glass surface on film support. 1,969,481; Aug. 7.
- Slack, Alfred D., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for making color wedges. 1,981,437; Nov. 20.
- Slack, Charles M. (See Ehrke, L. F., and Slack.)
- Slack, Charles M., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Soft X-ray tube. 1,942,007; Jan. 2.
- Slack, Charles M., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Lenard ray tube. 1,961,715; June 5.
- Slack, Charles M., Bloomfield, and G. M. Dinnick, North Arlington, N. J., assignors to Westinghouse Lamp Company. X-ray device. 1,975,871; Oct. 9.
- Slade, Allen A., et al. (See Bihler, Roger, assignor.)
- Slade, Arthur J., North Tonawanda, N. Y. Expansible joint structure. 1,968,715; July 31.
- Slade, Arthur R., Milwaukee, assignor to Andis Clipper Company, Racine, Wis. Key sheath. 1,974,547; Sept. 25.
- Slade, Harold E., Glen Ridge, assignor to Beaver Manufacturing Company, Newark, N. J. Convenience outlet. 1,971,019; Aug. 21.
- Slaff, George, et al. (See Chiera, Albert, assignor.)
- Slaff & Sass. (See Chiera, Albert.)
- Slagel, Franklin G. (See Fedders, T. C., and Slagel.)
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Evaporator structure. 1,953,269; Apr. 3.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigerant control mechanism for evaporators. 1,956,777; May 1.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Valve mechanism for evaporators. 1,956,778; May 1.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigerant control valve. 1,974,631; Sept. 25.
- Slaght, Howard S., Rochester, N. Y., assignor, by mesne assignments, to T. H. Smoot, Baltimore, Md. Radiator bracket. 1,974,855; Sept. 25.
- Slaght, William W., and H. F. Braun, Lakewood, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio. Universal joint. 1,968,787; July 31.
- Slagle, Edgar A., Cranford, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Chemical treatment of fabrics. 1,947,024; Feb. 13.
- Slaker, Joseph H., assignor, by mesne assignments, to Western-Austin Company, Aurora, Ill. Dump car. 1,977,836; Oct. 23.

- Slama, Franz, deceased, Ludwigshafen-on-the-Rhine, Germany, by The General Chemical Company, New York, N. Y., assignee, and H. Wolf, Ludwigshafen-on-the-Rhine, Germany; said Slama and said Wolf assignors to General Chemical Company, New York, N. Y. Oxidation of sulphur dioxide and catalyst therefor. Re19,282; Aug. 21.
- Slatcher, Alfred G., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Fluid operated tool. 1,970,775; Aug. 21.
- Slaten, Ernest G., Stockton, Calif. Potato planter. 1,974,757; Sept. 25.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,962,790; June 12.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Dustless rock drill. 1,978,964; Oct. 30.
- Slater, Homer B., Dormont, Pa., assignor to The Koppers Company of Delaware. Vibrating screen. 1,953,270; Apr. 3.
- Slater, John F., Johnstown, Pa. Fire box. 1,981,127; Nov. 20.
- Slater Shelving System. (See Slater, Walter L., assignor.)
- Slater, Walter L., Warsonville, Calif., assignor to Slater Shelving System. Shelving-bracket and system of shelving. 1,983,571; Dec. 11.
- Slatis, Abraham, assignor to Thomas J. Dee & Co., Chicago, Ill. Band for pocket pens, pencils, and the like. 1,961,460; June 5.
- Slaton, Leo R., Detroit, Mich., and A. M. Morgan, Belmont; said Morgan assignor to Shortwave & Television Corporation, Boston, Mass. Radiocabinet. Des. 92,498; June 12.
- Slaton, Leo R., Detroit, Mich., and A. M. Morgan, Belmont; said Morgan assignor to Shortwave & Television Corporation, Boston, Mass. Radiocabinet. Des. 92,499; June 12.
- Slauson, Harold W., Scarsdale, N. Y. Scoring device for duplicate games. 1,984,844; Dec. 18.
- Slauson, William C., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switching device. 1,955,839; Apr. 24.
- Slavek, Frederick, New York, N. Y. Automatic power transmission means. 1,946,179; Feb. 6.
- Slawson, Marion G., Girard, Kans. Warning signal for railway crossings. 1,947,925; Feb. 20.
- Slayback, Alonzo W., St. Louis, Mo. Inducting and discharging device for fluids. 1,977,357; Oct. 16.
- Slayter, Games, Columbus, Ohio, assignor to Owens-Illinois Glass Company. Coloring vitreous articles. 1,949,884; Mar. 6.
- Slayter, Games, Detroit, Mich., assignor to Owens-Illinois Glass Company. Porous refractory material and making same. 1,967,375; July 24.
- Slee, Arthur L. (See Ertola, C. A., and Slee.)
- Slee, Arthur L., San Francisco, Calif. Table. Des. 91,848; Mar. 27.
- Slee, John A., assignor to Marconi International Marine Communication Company, Limited, London, England. Time interval indicating device. 1,970,982; Aug. 21.
- Slee, Robert W., Three Rivers, Mich. Child's convertible rocker and vehicle. 1,952,467; Mar. 27.
- Sleeman, Harold P. (See Vincent, H. B., and Sleeman.)
- Sleeman, Oliver, Eastington, England. Malting apparatus. 1,961,990; June 5.
- Sleeman, Richard, New York, N. Y. Mouthpiece for tobacco smoking devices. 1,941,512; Jan. 2.
- Sleeper, Frank H., Ayers Cliff, Quebec, Canada, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Coiling of springs. 1,973,667 Sept. 11.
- Sleeper & Hartley, Inc. (See Halvorsen, Elmer W., assignor.)
- Sleeper & Hartley, Inc. (See Nizro Michel, assignor.)
- Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)
- Sleepwell Metal Bed Co. (See Umbach, Eugene, assignor.)
- Slepián, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. High voltage fuse. 1,958,904; May 15.
- Slepián, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,959,770; May 22.
- Slepián, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,966,188; July 10.
- Slenian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc chute. 1,966,316; July 10.
- Slepicka, Irvin M., Park Ridge, Ill. Sharpening device. 1,963,563; June 19.
- Slettevoid, Ole, assignor to The Hedman Manufacturing Company, Chicago, Ill. Check writer operating mechanism. 1,961,716; June 5.
- Slettevoid, Ole, assignor to Hedman Manufacturing Company, Chicago, Ill. Signature writing machine. 1,984,706; Dec. 18.
- Slezak, Vincent F., assignor to International Ticket Scale Corporation, New York, N. Y. Weight printing coin controlled scale. 1,964,650; June 26.
- Slick, Ewin E., Pittsburgh, Pa. Lamp socket. 1,954,497; Apr. 10.
- Slidell, Kemper. (See Wyatt, E. M., and Slidell.)
- Slingo Corporation, The. (See Parrish, Luther R., assignor.)
- Slipp, Roy M. (See Donaldson, A. S., and Slipp.)
- Sloan, Arthur W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,975,980; Oct. 9.
- Sloan, Clifton B., Kansas City, Mo. Centrifugal ore separator. 1,978,726; Oct. 30.
- Sloan, Edward D., Greenville, S. C. Liquid container. 1,966,144; July 10.
- Sloan, Elgan S., Shipperville, Pa. Swiveled drill bit for cable tool drilling. 1,957,476; May 8.
- Sloan, Francis P., Scarsdale, N. Y. Apparatus for compacting concrete or similar surfaces. 1,955,101; Apr. 17.
- Sloan, Francis P., Scarsdale, N. Y. Floor roughing machine. 1,964,746; July 3.
- Sloan, Harry B., S. H. Baars, and C. G. Bach, assignors to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigeration. 1,944,472; Jan. 23.
- Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Press actuating mechanism. 1,945,496; Jan. 30.
- Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chucking mechanism. 1,966,834; July 17.
- Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chuck. 1,971,537; Aug. 28.
- Sloan, Joseph J. E., Liverpool, England. Internal combustion engine of the Diesel semi-Diesel, compression ignition, or injection type. 1,982,146; Nov. 27.
- Sloan, Roland H. (See Hunt, Livingston S., assignor.)
- Sloan Valve Company. (See Kocour, Emil J., assignor.)
- Sloane-Blabon Corporation. (See Elmer, J. and Kelly, assignors.)
- Sloane-Blabon Corporation. (See Croce, Michele, assignor.)
- Sloane-Blabon Corporation. (See Mayer, Frederick G., assignor.)
- Sloane-Blabon Corporation. (See Rowe, William, assignor.)
- Sloane, James R. (See Conklin, Bruce, assignor.)
- Sloane, Reginald G. (See Becker, A. E., and Sloane.)
- Sloane, Reginald G., Elizabeth, N. J., assignor to Standard Oil Development Company. Stable white oil. 1,966,050; July 10.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Carrier for shaker troughs. 1,955,153; Apr. 17.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Carrier support for reciprocating conveyers. 1,978,606; Oct. 30.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Car puller. 1,980,231; Nov. 13.
- Slobey, Joseph A., Lyndhurst, N. J., assignor to Craftsman Line-Up Table Corporation, Waltham, Mass. Printer's line-up table. 1,977,213; Oct. 16.
- Slocum, Benjamin A. (See Watkins, T. D., and Slocum.)
- Slocum, Irving F., Pawtucket, R. I., assignor to Evans Case Company, North Attleboro, Mass. Bracelet chain. 1,970,400; Aug. 14.
- Slocum, Joseph H., Long Beach, and B. L. Welch, Fullerton, Calif.; said Welch assignor to said Slocum. Casing perforator. 1,945,958; Feb. 6.
- Slocum, Stephen E., Ardmore, Pa. Vibration dampener and isolator. 1,951,217; Mar. 13.
- Slocum, Stephen E., Ardmore, Pa. Vibration dampener and isolator. 1,969,046; Aug. 7.
- Slogan, Agnes O. (See Aiken, Daniell, assignor.)
- Sloggett, Stanley D., Southampton, England, and T. A. Simpson, Port Said, Egypt, assignors to Radio Corporation of America. Radio transmitting and receiving system. 1,973,298; Sept. 11.
- Slonneger, John C., assignor to The Falk Corporation, Milwaukee, Wis. Torque converter. 1,966,107; July 10.
- Sloper, Alfred G., Wagga Wagga, New South Wales, Australia. Roof framing tool. 1,980,765; Nov. 13.
- Slot, Cornelis J., Enschede, Netherlands. Method for the manufacture of fabrics and device for carrying out said method. 1,965,474; July 3.
- Slotnick, Leo, Brooklyn, N. Y. Key container. 1,943,844; Jan. 16.
- Slotsky, Samuel J., Pittsburgh, Pa., assignor to Anaconda Wire and Cable Company. Junction box. 1,949,846; Mar. 6.
- Slover, Aaron, Clinton, Ind. Cylinder for electric controllers. 1,960,758; May 29.
- Slowig, Gerhard, New York, N. Y. Casing support. 1,954,269; Apr. 10.
- Sludge Pumping Inc. (See Engstrand, Gunnar C., assignor.)
- Sludge Pumping, Inc. (See Engstrand, G. C., and Armstrong, assignors.)
- Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacturing decorated sheet material. 1,950,196; Mar. 6.
- Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Banding machine. 1,969,160; Aug. 7.
- Slussen-McLean Scraper Company, The. (See Stewart, James S., assignor.)

- Sly, Le Roy W., Chico, Calif. Combination sawing and edging machine. 1,962,329; June 12.
- Sly, W. W., Mfg. Company, The. (See Vessy, Sidney C., assignor.)
- Slye, Edward A., Burnside, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter. 1,980,232; Nov. 13.
- Smaldone, Daniel, and J. Pecora, Hazleton, Pa. Toy pin-wheel. 1,985,467; Dec. 25.
- Smalkin, Samuel. (See Foster, Edward J., assignor.)
- Small, Arthur E. (See Gilpin, G. G., and Small.)
- Small, Arthur E., Michigan City, Ind., assignor to Railway Metal Products Company, Chicago, Ill. Door fixture for railway cars. 1,946,549; Feb. 13.
- Small, Arthur E., Michigan City, Ind., assignor to Railway Metal Products Company, Chicago, Ill. Railway car door fixture. 1,946,550; Feb. 13.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Cast metal corner post and end plate. 1,963,155; June 19.
- Small, Charles J. P. (See Bull, R. A., Small, Simpson, and Mayer.)
- Small, Charles J. P., Aldwych, London, England, assignor to Electrical Research Products Inc., New York, N. Y. Driving mechanism. 1,956,733; May 1.
- Small, Frederick T. (See Walton, C. D., Crooks, and Small.)
- Small, Henry W., and E. K. Everett, Sedro Woolley, Wash. Magazine shaving lather brush. 1,973,158 Sept. 11.
- Small, James W., and E. W. Pahlke, Chicago, Ill. Automobile trailer. 1,945,089; Jan. 30.
- Small, John D. (See Jones, C. L., and Small.)
- Small, Kleppner & Seiffer, Inc. (See Klein, Benjamin, assignor.)
- Small, Lisle F., and P. F. Lee, U. S. Navy, and A. A. Jennings, Vallejo, Calif. Turbine blade lacing and making the same. 1,953,089; Apr. 3.
- Small, Lyndon F., Charlottesville, Va., assignor to The Government of the United States, represented by the Secretary of the Treasury. Morphine derivative and its preparation. 1,980,972; Nov. 13.
- Small, Marvin, Mount Vernon, assignor to Feminine Products, Inc., New York, N. Y. Deodorant stick. 1,969,331; Aug. 7.
- Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Refrigerant control for ice machines. 1,944,115; Jan. 16.
- Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Heat exchanger protecting device. 1,952,780; Mar. 27.
- Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Refrigerating apparatus. 1,954,749; Apr. 10.
- Small & Parkes Limited. (See Stanley, George E., assignor.)
- Small, Spencer W., Missoula, Mont. Attachment for routing machines. 1,941,629; Jan. 2.
- Small, Thomas W., Huntington, assignor, by mesne assignments, to The Capehart Corporation, Fort Wayne, Ind. Sound reproducing machine. 1,971,584; Aug. 28.
- Small, Thomas W., Cleveland, Ohio, assignor, by mesne assignments, to The Capehart Corporation, Fort Wayne, Ind. Automatic graphophone. 1,977,456; Oct. 16.
- Small, Thomas W., and S. A. Guest, deceased, Huntington, Ind.; E. B. Guest, administratrix. Automatic phonograph. 1,966,692; July 17.
- Smallen, Louis J. (See O'Keefe, D. P., and Smallen.)
- Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Electrically heated electric fuse circuit. 1,966,466; July 17.
- Smalley, Lee L. (See Parks, F. W., and Smalley.)
- Smallev, William, assignor to The Paterson Engineering Company, Limited, London, England. Apparatus for controlling the flow of fluids. 1,945,757; Feb. 6.
- Smallhouse, Albert A., assignor to C. E. Beck, Los Angeles, Calif. Fluid dispensing gun. 1,955,029; Apr. 17.
- Smallish, Clarence S., Newark, N. J., assignor to American Hair & Felt Company, Chicago, Ill. Sealed quilted material. 1,963,177; June 19.
- Smallish, Clarence S., Newark, N. J., assignor to American Hair & Felt Company, Chicago, Ill. Fabricating heat insulating material. 1,964,964; July 3.
- Smally, Emanuel C., Canton, Ohio. Headlight attachment. 1,973,361; Sept. 11.
- Smart, Charles E. (See Egy, W. L., and Smart.)
- Smart, Clarence F. (See Boegehold, A. L., Tobin, and Smart.)
- Smart, Ezra E., assignor to The Hart Manufacturing Company, Hartford, Conn. Quick detachable electrical connection. 1,950,826; Mar. 13.
- Smend, Donald G., Greenfield, Mass. Adjustable insulator bracket. 1,961,434; June 5.
- Smead, Donald G., Greenfield, Mass. Transformer lifting device. 1,981,756; Nov. 20.
- Smedley, Anderson B., Flushing, and E. F. W. Salisbury, Yonkers, assignors to Anaconda Wire & Cable Company, New York, N. Y. Suspension unit for riser cables. 1,965,263; July 3.
- Smelker, Le Roy, assignor to The Dayton Accessories Manufacturing Company, Dayton, Ohio. Vehicle seat. 1,942,070; Jan. 2.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Combination motor cap and light casing for a suction cleaner or similar article. Des. 92,043; Apr. 17.
- Smellie, Donald G., Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,942,497; Jan. 9.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration. 1,953,993; Apr. 10.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,957,506; May 8.
- Smellow, Morris. (See Macondray, Atherton.)
- Smelser, Chester E., Shelbyville, Ind. Level wind mechanism. 1,964,965; July 3.
- Smelteverk, Odda. (See Johnson, Erling, assignor.)
- "Smelting" Kohaszati Es Femmuwek Reszvo-Tars in Pestertsebet. (See Beringer, Cornelius R., assignor.)
- Smeltz, Harry H., and C. R. Zurn, Erie, Pa. Automatic aligning attachment for steering gears. 1,949,585; Mar. 6.
- Smeltzer, Homer B., St. Louis, Mo. Accelerator. 1,959,881; May 22.
- Smerling, Carl, et al. (See Simmons, Gordon, assignor.)
- Smetak, Frank, New York, N. Y. Miter box and saw guide. 1,949,261; Feb. 27.
- Smetana, Otto F. (See Goetsch, G. W., and Smetana.)
- Smidt, Arthur A., Brookfield, Ill. Window pane fastener and the like. 1,946,716; Feb. 13.
- Smith, F. L. & Co. (See Fasting, Johan S., assignor.)
- Smith, F. L., & Co. (See Folke, K., and Hansen, assignors.)
- Smith, F. L. & Co. (See Nielsen, Niels, assignor.)
- Smith, F. L., & Co. (See Pontoppidan, Carl, assignor.)
- Smith, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
- Smiley, Alfred M., St. Louis, Mo., assignor, by mesne assignments, to St. Louis Carburetor Company. Carburetor. 1,952,614; Mar. 27.
- Smiley, Lloyd D., Dayton, Ohio, assignor, by mesne assignments, to Chemipulp Process, Inc., Watertown, N. Y. Paper manufacture. 1,945,205; Jan. 30.
- Smiley, Samuel, Jr., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Desk tray. 1,957,153; May 1.
- Smiley, William E., assignor to P. H. Williams, Cazenovia, N. Y. Closure for bottles and analogous receptacles. 1,975,378; Oct. 2.
- Smith, A. O., Corporation. (See Andren, Birger T., assignor.)
- Smith, A. O., Corporation. (See Andrus, Orrin E., assignor.)
- Smith, A. O., Corporation. (See Archer, R. S., and Matush, assignors.)
- Smith, A. O., Corporation. (See Bell, Raymond T., assignor.)
- Smith, A. O., Corporation. (See Bruins, Paul F., assignor.)
- Smith, A. O., Corporation. (See Crawford, William E., assignor.)
- Smith, A. O., Corporation. (See Etherington, Harold, assignor.)
- Smith, A. O., Corporation. (See Etherington, H., and Moll, assignors.)
- Smith, A. O., Corporation. (See Furrer, Rudolph, assignor.)
- Smith, A. O., Corporation. (See Gudmundsen, Austin, assignor.)
- Smith, A. O., Corporation. (See Hansen, Thorvald, assignor.)
- Smith, A. O., Corporation. (See Harris, Herbert, assignor.)
- Smith, A. O., Corporation. (See Hasselquist, Hugo S., assignor.)
- Smith, A. O., Corporation. (See Heineman, Warren F., assignor.)
- Smith, A. O., Corporation. (See Janson, Axel, assignor.)
- Smith, A. O., Corporation. (See Loughlin, James F., assignor.)
- Smith, A. O., Corporation. (See Messing, Hjalmar S., assignor.)
- Smith, A. O., Corporation. (See Miller, Henry, assignor.)
- Smith, A. O., Corporation. (See Reed, Daniel J., assignor.)
- Smith, A. O., Corporation. (See Reeve, Lewis, assignor.)
- Smith, A. O., Corporation. (See Richter, Walther, assignor.)
- Smith, A. O., Corporation. (See Sherman, Donald W., assignor.)
- Smith, A. O., Corporation. (See Smith, George M., assignor.)
- Smith, A. O., Corporation. (See Straty, Stephen, assignor.)
- Smith, A. O., Corporation. (See Theodolus, Anthony, assignor.)
- Smith, A. O., Corporation. (See Walker, W. O., and Kopsch, assignors.)
- Smith, A. O., Corporation. (See Ziska, Adam, assignor.)
- Smith, Albert, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrolytic condenser. 1,970,776; Aug. 21.
- Smith, Albert A., Riverdale, N. J., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding. 1,979,712; Nov. 6.
- Smith, Albert C., Woodside, assignor to Servel Sales, Inc., New York, N. Y. Ice tray. 1,971,664; Aug. 28.
- Smith, Alexander, & Sons Carpet Company. (See Barrett, Charles E., assignor.)
- Smith, Alfred J. (See Brockway, R. G., and Smith.)

- Smith, Alfred J., Detroit, Mich. Automobile trim material and its manufacture. 1,952,468; Mar. 27.
- Smith, Alfred J., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Automobile trim panel. 1,963,632; June 19.
- Smith, Algenon L., Birmingham, Ala., assignor to Continental Gin Company, Separator. 1,975,335; Oct. 2.
- Smith, Algy J. (See Peller, K. E., and Smith.)
- Smith, Algy J., Bloomfield, Conn. Agricultural implement. 1,964,895; July 3.
- Smith, Algy J., Bloomfield, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for supplying molten glass. 1,963,763; June 19.
- Smith, Algy J., Bloomfield, assignor to Hartford-Empire Company, Hartford, Conn. Transfer mechanism. 1,974,394; Sept. 18.
- Smith, Alva T., Milwaukee, Wis. Coffee extractor. 1,963,476; June 19.
- Smith, Anthony N., assignor to The Girard Metal Works, Inc., Girard, Pa. Toy lawn mower. 1,977,457; Oct. 16.
- Smith, Archibald C., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Seam ironing machine. 1,976,043; Oct. 9.
- Smith, Arthur. (See Jennings, H. G., Mellor, Rudolph, and Smith.)
- Smith, Arthur B., South Brownsville, Pa. Lamp structure. 1,948,806; Feb. 27.
- Smith, Arthur C., Pasadena, Calif., assignor to W. A. Smith, Easton, Pa. Dispensing pump. 1,967,633; July 24.
- Smith, Arthur D., Chicago, Ill., and John Perl, Los Angeles, Calif., assignors, by mesne assignments, to Donnelly-Jenkins Company, Chicago, Ill. Process of treating heavy hydrocarbons. Re19,274; Aug. 14.
- Smith, Arthur E., Los Angeles, Calif. Ampule. Re19,219; June 19.
- Smith, Arthur E., Kensington, near Sydney, New South Wales, Australia, assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of bottles and other articles in glass and apparatus therefor. 1,945,985; Feb. 6.
- Smith, Arthur F. (See Carroll, F. M., and Smith.)
- Smith, Arthur G. (See Ely, Arthur, assignor.)
- Smith, Arthur M., Oakland, assignor to The Rome Company, Inc., San Francisco, Calif. Mattress clamp. 1,981,254; Nov. 20.
- Smith, Arthur W., Rochester, N. Y. Photographic developing apparatus. 1,985,554; Dec. 25.
- Smith, Beauford B., Silverton, Ore. Combination bail and lid opener for containers. 1,982,124; Nov. 27.
- Smith, Bedford K. (See Webster, R. A., and Smith.)
- Smith, Bedford K., Alexandria, Va. Electric fuse. 1,945,539; Feb. 6.
- Smith, Bedford K., Alexandria, Va. Electric fuse. 1,945,540; Feb. 6.
- Smith, Bedford K., Alexandria, Va. Electric fuse. 1,945,541; Feb. 6.
- Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Roaster. 1,945,165; Jan. 30.
- Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Handle for kitchen or camp implements or utensils. 1,981,082; Nov. 20.
- Smith, Benjamin M., Schenectady, N. Y., assignor to General Electric Company, Magnetic testing device. 1,952,185; Mar. 27.
- Smith, Benjamin R., Owensboro, Ky. Office swivel chair. Des. 93,361; Sept. 18.
- Smith, Bernard C., Long Island City, N. Y. Key-permutation lock. 1,946,364; Feb. 6.
- Smith, Bert, Denver, Colo. Aircraft. 1,968,227; July 31.
- Smith, Boyd H., assignor to The Autocal Company, Shelby, Ohio. Multiple recorder. 1,969,045; Aug. 7.
- Smith, Bruce W. (See Smith, James W., assignor.)
- Smith, Burch, and F. L. Smith, Xenia, Ohio. Portfolio. 1,949,496; Mar. 6.
- Smith, Carlisle F., and C. H. Lindsay, Elmira, N. Y., assignors to American-LaFrance and Foamite Corporation. Valve for liquid CO₂ and like flasks. 1,975,178; Oct. 2.
- Smith, Carlton H., Larchmont, assignor to Buggeln & Smith, New York, N. Y. Making envelopes. 1,955,194; Dec. 18.
- Smith, Carroll O., and D. I. Sweany, Baltimore, Md. Convertible carriage. 1,982,834; Dec. 4.
- Smith, Chalmers N. (See Barghausen, H. P., and Smith.)
- Smith, Charles E., Creighton, Pa., assignor to Duplate Corporation. Device for grooving safety glass. 1,954,061; Apr. 10.
- Smith, Charles E., Elmhurst, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,968,100; July 31.
- Smith, Charles E., Creighton, Pa., assignor to Duplate Corporation. Apparatus for use with acid cleaning equipment. 1,984,899; Dec. 18.
- Smith, Charles F., assignor to Adam Hilger, Limited, London, England. Apparatus for producing or analyzing polarized light. 1,966,769; July 17.
- Smith, Charles F., Camden Road, London, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 1,973,512; Sept. 11.
- Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 1,946,336; Feb. 6.
- Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Gaseous conduction apparatus. 1,951,808; Mar. 20.
- Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 1,962,158; June 12.
- Smith, Charles G., Mason City, Iowa. Electric bulb pliers. 1,983,411; Dec. 4.
- Smith, Charles H., Cleveland, Ohio. Forming forgings. 1,945,827; Feb. 6.
- Smith, Charles H., Cleveland, Ohio. Welded valve body. 1,960,127; May 22.
- Smith, Charles H., Cleveland, Ohio. Fitting making apparatus. 1,963,507; June 19.
- Smith, Charles H., Cleveland, Ohio. Forming articles. 1,969,912; Aug. 14.
- Smith, Charles H., assignor to W. H. Adams, Galveston, Tex. Cushion. 1,961,088; May 29.
- Smith, Charles J., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Purifying hydrocarbon oil from hydrogen sulphide. 1,942,071; Jan. 2.
- Smith, Charles J., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Purifying liquids. 1,964,487; June 26.
- Smith, Charles James, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for drying or conditioning articles. 1,980,360; Nov. 13.
- Smith, Charles W., Muskegon, Mich. Making paper. 1,957,913; May 8.
- Smith-Clarke, George T., Coventry, England. Transmission gearing. 1,962,040; June 5.
- Smith-Clarke, George T., assignor of one-half to The Alvis Car & Engineering Company Limited, Coventry, England. Variable-speed transmission gearing. 1,949,816; Mar. 6.
- Smith, Claude E., Forest Grove, Ore. Display rack. 1,964,223; June 26.
- Smith, Clifford D., Fairlawn, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Pneumatic tire construction. 1,972,820; Sept. 4.
- Smith, Clifford R., Ashtabula, Ohio. Musical instrument. 1,965,475; July 3.
- Smith, Clinton E., Milwaukee, Ore. Pliers. 1,970,983; Aug. 21.
- Smith, Clyde, Hopkinsville, Ky., assignor to International Communications Laboratories Incorporated, New York, N. Y. Automatic quotation board. 1,967,331; July 24.
- Smith, Clyde, Hopkinsville, Ky., assignor to International Communications Laboratories, Incorporated, New York, N. Y. Stock quotation desk display device. 1,987,094; Oct. 23.
- Smith, Clyde L. (See Harnsberger, A. E., and Smith.)
- Smith, Coleman G., assignor of one-half to O. Boster, Huntington, W. Va. Retaining device. 1,976,638; Oct. 9.
- Smith, Cordell. (See McSwain, C. E., and Smith.)
- Smith, Cyril S., Cheshire, Conn., assignor, by mesne assignments, to Copper & Brass Research Association, New York, N. Y. Treating ferrous alloys. 1,972,248; Sept. 4.
- Smith, Daniel A., Chevy Chase, Md., assignor to District of Columbia Paper Manufacturing Company, Washington, D. C. Manufacture of paper. 1,949,188; Feb. 27.
- Smith, Daniel F., New York, N. Y., and W. F. Purcell, Hoboken, N. J. Locking mechanism for doors. 1,946,551; Feb. 13.
- Smith, Daniel F., New York, N. Y., and W. F. Purcell, Hoboken, N. J. Locking mechanism for doors. 1,965,725; July 10.
- Smith, David. (See Tanzer, J., Smith and Arenstein.)
- Smith, David A., Salem, Ore. Hoe cultivator. 1,967,976; July 24.
- Smith, Douglas Y., East Orange, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 1,974,086; Sept. 18.
- Smith, Douglas Y., East Orange, N. J., assignor to Radio Corporation of America. Grid construction. 1,984,160; Dec. 11.
- Smith, Drum & Company. (See Drum, G. E., and Jaxheimer, assignors.)
- Smith, E. Payson. (See Johnson, Malcolm S., assignor.)
- Smith, Earl D., Ashland, Ohio. Suction producing pump. 1,968,716; July 31.
- Smith, Earl K. (See Edwards, D. V., and Smith.)
- Smith, Edward E., Denver, Colo. Brake lever. 1,974,197; Sept. 18.
- Smith, Edward A. (See Brophy, G. R., and Smith.)
- Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Earth boring apparatus. 1,971,922; Aug. 28.
- Smith, Edward M. (See Shipley, Marion R., assignor.)
- Smith, Edward M. (See Tandy, Victor H., assignor.)
- Smith, Edward M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Writing shelf. 1,963,721; June 19.
- Smith, Edward W., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery separator. 1,942,667; Jan. 9.
- Smith, Edward W., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery separator. 1,942,668; Jan. 9.
- Smith, Edwin C., Philmont, N. Y. Bridge score indicator. 1,957,112; May 1.

- Smith, Edwin C., Providence, R. I., assignor to Rhode Island Warp Stop Equipment Company, Portland, Maine. Filling feeder for looms. 1,947,624; Feb. 20.
- Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Loading and unloading mechanism for machine tools. 1,945,662; Feb. 6.
- Smith, Edwin R., and J. L. Peterson, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Multiple spindle lathe. 1,945,663; Feb. 6.
- Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Automatic lathe. 1,946,429; Feb. 6.
- Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Tool slide positioning mechanism. 1,950,039; Mar. 6.
- Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Work-handling mechanism for machine tools. 1,950,040; Mar. 6.
- Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Multiple spindle grinder. 1,950,524; Mar. 13.
- Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Speed coordinating mechanism for machine tools. 1,961,089; May 29.
- Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Electrically controlled speed coordinating mechanism. 1,961,090; May 29.
- Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Self-adjusting steady rest. 1,961,091; May 29.
- Smith, Elberon D., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Cigarette aligning device. 1,945,090; Jan. 30.
- Smith, Elmer D., Newfield, N. J. Building construction. 1,971,994; Aug. 28.
- Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Air pump. 1,976,098; Oct. 9.
- Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Solvent applying mechanism for wrapping machines. 1,961,646; June 5.
- Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Cigar wrapping machine. 1,965,321; July 3.
- Smith, Elmer L., Longmeadow, and C. E. Melhorn, assignors to Package Machinery Company, Springfield, Mass. Machine for making packages with integral tearing strips. 1,943,559; Jan. 16.
- Smith, Elmer L., Longmeadow, and W. Hoppe, assignors to National Bread Wrapping Machine Company, Springfield, Mass. Bread wrapping machine. 1,953,195; Apr. 3.
- Smith, Elmer L., Longmeadow, and W. Hoppe, assignors to National Bread Wrapping Machine Company, Springfield, Mass. Wrapper feeding mechanism. 1,953,196; Apr. 3.
- Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Stove door hinge. 1,963,388; June 19.
- Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Temperature indicator and control. 1,972,168; Sept. 4.
- Smith, Elza E., et al. (See Tabor, William H., assignor.)
- Smith, Emma E., Berkshire Heights, Pa. Link for cross-chains for nonskid devices. 1,981,394; Nov. 20.
- Smith Engineering Works. (See Rumpel, Harvey H., assignor.)
- Smith, Erasmus. (See Rouge, F. K., Steele, and Smith.)
- Smith, Ernest A. (See Scott, L. E., and Smith.)
- Smith, Ernest J., Fleet Street, England, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 1,943,902; Jan. 16.
- Smith, Ernest J., Fleet Street, London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype casting mechanism. 1,964,367; June 26.
- Smith, Ernest J., Fleet Street, London, England, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype casting mechanism. 1,964,368; June 26.
- Smith, Ernest J., Fleet Street, England, assignor to The Goss Printing Press Company, Chicago, Ill. Inking mechanism. 1,978,285; Oct. 23.
- Smith, Ernest W., and A. Charles, London, England. Prepayment mechanism for gas and similar meters. 1,969,675; Aug. 7.
- Smith, Ernest W., London, and A. Charles, Streatham Vale, London, England. Coin controlled mechanism for gas and similar meters. 1,984,161; Dec. 11.
- Smith, Ernest W., London, and A. Charles, Streatham Vale, London, England. Prepayment mechanism for gas and similar meters. 1,984,162; Dec. 11.
- Smith, Francis H., Woodstown, N. J., and D. K. Black, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye and its preparation. 1,976,044; Oct. 9.
- Smith, Francis R., Wakefield, Mass. Forming collared apertures in sheet metal articles including chronometer indicators. 1,979,288; Nov. 6.
- Smith, Francis R., Wakefield, Mass. Indicator for chronometers and the like. 1,979,289; Nov. 6.
- Smith, Francis T., Bridgeport, Conn. Paper roll holder. 1,981,673; Nov. 20.
- Smith, Frank. (See Beaver, C. J., Fairfield, and Smith.)
- Smith, Frank, Burlingame, Calif. Hydraulic three-way dumper. 1,965,476; July 3.
- Smith, Frank A., Los Angeles, Calif., assignor to Smith Manufacturing Company. Oscillating fluid compressor. 1,944,198; Jan. 23.
- Smith, Frank A., Seattle, Wash., assignor to Smith Manufacturing Company. Multicylinder oscillating pump or compressor. 1,977,740; Oct. 23.
- Smith, Frank B. (See Stoesser, W. C., and Smith.)
- Smith, Frank B., Jr., Pittsburgh, Pa. Handling glass bottles and the like. 1,965,726; July 10.
- Smith, Frank D., jr., deceased, by H. L. Smith, Washington, D. C., administratrix. Ice cube tray. 1,976,147; Oct. 9.
- Smith, Frank H., Cabazon, assignor of one-half to C. C. Cavanah, Palm Springs, Calif. Envelope opening device. 1,963,873; June 19.
- Smith, Frank L. (See Smith, Burch and F. L.)
- Smith, Frank L., Oak Park, Ill. Rear vision device. 1,977,019; Oct. 16.
- Smith, Frank M. (See Atwood, Clifford, assignor.)
- Smith, Frank W., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Locomotive with bifurcated flues. 1,978,822; Oct. 30.
- Smith, Franklin D., Kirkwood, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Decolorizing esters. 1,948,281; Feb. 20.
- Smith, Franklin P. (See Frost, Carl A., assignor.)
- Smith, Franklin S., Brooklyn, N. Y. Art and apparatus for treating tobacco and the like. 1,952,781; Mar. 27.
- Smith, Franklin S., Brooklyn, N. Y. Electric condenser. 1,955,776; Apr. 24.
- Smith, Franklin S., Brooklyn, N. Y. High voltage terminal construction. 1,957,984; May 8.
- Smith, Franklin S., Brooklyn, N. Y. High voltage terminal construction. 1,957,985; May 8.
- Smith, Franklin S., Brooklyn, N. Y. High voltage terminal construction. 1,957,986; May 8.
- Smith, Franklin S., Brooklyn, N. Y. Apparatus for treating moldings of partially cured phenolic condensation products. 1,960,717; May 29.
- Smith, Franklin S., Brooklyn, N. Y. High voltage terminal construction. 1,969,911; Aug. 14.
- Smith, Franklin S., Brooklyn, N. Y. Condenser construction. 1,979,290; Nov. 6.
- Smith, Franklin S., New Haven, Conn. High voltage terminal construction. 1,957,982; May 8.
- Smith, Franklin S., New Haven, Conn. High voltage terminal construction and assembly. 1,957,983; May 8.
- Smith, Franklin S., New Haven, Conn. Art and apparatus for sterilizing. 1,959,390; May 22.
- Smith, Franklin S., New Haven, Conn. Transformer construction and making the same. 1,960,033; May 22.
- Smith, Franklin S., New Haven, Conn. Art and apparatus for sterilizing. 1,960,173; May 22.
- Smith, Franklin S., New Haven, Conn. Apparatus for sterilizing. 1,960,174; May 22.
- Smith, Franklin S., New Haven, Conn. Electric condenser construction. 1,965,007; July 3.
- Smith, Franklin S., New Haven, Conn. Apparatus for sterilizing. 1,965,609; July 10.
- Smith, Franklin S., New Haven, Conn. Art and apparatus for sterilizing. 1,975,805; Oct. 9.
- Smith, Frasier, Wheeling, W. Va., assignor to Holsum Products, Inc., Milwaukee, Wis. Jar. Des. 93,142; Aug. 21.
- Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle. Des. 93,526; Oct. 2.
- Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle. Des. 93,752; Oct. 30.
- Smith, Fred D. (See Smith, Robert T., assignor.)
- Smith, Frederick A., North Chicago, Ill., assignor, by mesne assignments, to Lyon Cover Company, Detroit, Mich. Tire cover lock. 1,956,181; Apr. 24.
- Smith, Frederick H., Cranston, R. I. File testing machine. 1,984,769; Dec. 18.
- Smith, Frederick P., Glassboro, N. J. Attachment for gas governors. 1,949,585; Mar. 6.
- Smith, George, New York, N. Y. Calk. 1,983,406; Dec. 4.
- Smith, George, jr., assignor to Olean Glass Company, Olean, N. Y. Cocktail shaker. Des. 93,426; Sept. 25.
- Smith, George A., Mechanicville, N. Y. Pencil sharpener. 1,978,147; Oct. 23.
- Smith, George A., Pasadena, Calif., assignor to George A. Smith Turntable Corporation, Ltd. Vehicle turntable. 1,977,864; Oct. 23.
- Smith, George A., and J. F. Foster, Rawlins, Wyo. Paint mixer. 1,948,401; Feb. 20.
- Smith, George A., Turntable Corporation. (See Smith, George A., assignor.)
- Smith, George B. (See Merriitt, T. J., and Smith.)
- Smith, George C., Hamilton, Ontario, Canada. Heating system. 1,980,299; Nov. 13.
- Smith, George E., Long Branch, N. J. Nonglare headlight lens. 1,964,801; July 3.
- Smith, George H., Worcester, Mass. Machine operating device. 1,953,029; Mar. 27.
- Smith, George H., assignor to J. N. Henry, Providence, R. I. Bracket and rod coupling for curtain fixtures. 1,962,330; June 12.
- Smith, George H., Buffalo, N. Y., and H. W. Carnes, Indianapolis, Ind., assignors to The Linde Air Products Company. Valve for fluid-pressure regulators. 1,972,748; Sept. 4.

- Smith, George J., Los Angeles, Calif. Cooling unit for mechanical refrigeration. 1,942,842; Jan. 9.
- Smith, George J., Los Angeles, Calif. Agitating device for automatic refrigerators. 1,956,701; May 1.
- Smith, George L., New Kensington, Pa. Bricklayer's trestle or horse. 1,957,362; May 1.
- Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Braking member. 1,960,352; May 29.
- Smith, George L., Rockford, Ill., assignor to United States Ordnance Company, Washington, D. C. Automobile brake. 1,969,161; Aug. 7.
- Smith, George M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Sheet metal pavement grid and making the same. 1,983,412; Dec. 4.
- Smith, George W., jr., Cleveland, Ohio. Boat hull construction. 1,977,294; Oct. 16.
- Smith, George W., jr., assignor to The White Motor Company, Cleveland, Ohio. Securing valve seat parts in internal combustion engines and like machines. 1,961,917; June 5.
- Smith, George W., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Method of and apparatus for reducing fluid pressures. 1,958,644; May 15.
- Smith, Gertrude L., Los Angeles, Calif. Kitchen utensil. 1,969,162; Aug. 7.
- Smith, Glenn R., assignor to one-half to G. Seymour, Brockway, Calif. Dual piston engine. 1,972,497; Sept. 4.
- Smith, Goldwin, Tampa, Fla. Game apparatus. Des. 94,056; Dec. 11.
- Smith, Guilford V. D., Fayetteville, Ark. Tire valve. 1,968,965; Aug. 7.
- Smith, Hallam C., Larchmont, assignor to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 1,942,944; Jan. 9.
- Smith, Hannah M. (See Keen, Thomas A., assignor.)
- Smith, Harlan M. (See La Mayeau, W. F., Farmer, and Smith.)
- Smith, Harold. (See Willshaw, H., Smith, and Davenport.)
- Smith, Harold E., Wildwood, N. J. Fresh air heater and circulator. 1,984,949; Dec. 18.
- Smith, Harold H. (See Smith, Justin L. and H. H.)
- Smith, Harold L., assignor to The Louis Allis Company, Milwaukee, Wis. Dynamo-electric machine. 1,958,213; May 8.
- Smith, Harold M., P. Grandone, and H. T. Rall, Bartlesville, Okla. Treating hydrocarbons. 1,967,269; July 24.
- Smith, Harold O., Indianapolis, Ind. Automobile signal light casing. Des. 91,793; Mar. 20.
- Smith, Harris A., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Cranking hydrocarbon oil. 1,949,029; Feb. 27.
- Smith, Harry F., assignor, by mesne assignments, to C. F. Kettering, Inc., Dayton, Ohio. Control mechanism. 1,952,515; Mar. 27.
- Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,954,148; Apr. 10.
- Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,979,291; Nov. 6.
- Smith, Harry N., Detroit, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Baking form. 1,946,244; Feb. 6.
- Smith, Harry N., Detroit, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Machine for grinding friction elements. 1,961,175; June 5.
- Smith, Harry N., Detroit, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Machine for making friction elements. 1,961,176; June 5.
- Smith, Harry N., assignor to American Brakeblok Corporation, Detroit, Mich. Machine for cutting friction elements. 1,965,110; July 3.
- Smith, Harry N., Detroit, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Machine for reeling friction elements. 1,965,132; July 3.
- Smith, Harry V., and H. McKinley, Shubenacadie, Nova Scotia, Canada. Automobile indicator. 1,965,477; July 3.
- Smith, Hazer J., Springfield, Mass. Condition responsive device. 1,952,571; Mar. 27.
- Smith, Hazer J., assignor to Superstat Company, Springfield, Mass. Thermostat control. 1,981,282; Nov. 20.
- Smith, Helen L., administratrix. (See Smith, Frank D., jr.)
- Smith, Henry B. (See Taylor, E. R., and Smith.)
- Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing dibutyl malate. 1,942,843; Jan. 9.
- Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition of matter containing an ester of dibromo succinic acid. 1,942,844; Jan. 9.
- Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing an ester of trichloro tertiary-butyl alcohol. 1,946,643; Feb. 13.
- Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing an alkyl ester of an aryl-substituted malonic acid. 1,966,317; July 10.
- Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing an ester of maleic acid. 1,969,482; Aug. 7.
- Smith, Herbert. (See Woodman, F. N., Nelson, and Smith.)
- Smith, Herbert C., Los Angeles, Calif., assignor to Coast Insulating Company. Acoustical material. 1,960,880; May 29.
- Smith, Herbert J., Greenfield, Mass. Lead and angle indicator. 1,956,812; May 1.
- Smith, Herbert J., and G. H. Wilkins, assignors to M. J. Levy, trustee, Springfield, Mass. Self-contained opening die. 1,951,581; Mar. 20.
- Smith, Herman A., Holden, G. H. Thomson, Worcester, and S. B. Stafford, Oxford, assignors to Rice, Barton & Pales, Incorporated, Worcester, Mass. Unit pinion support for multicolor printing machines. 1,975,981; Oct. 9.
- Smith, Herschel G., Swarthmore, assignor to Gulf Refining Company, Pittsburgh, Pa. Manufacture of green bloom agents. 1,944,851; Jan. 23.
- Smith, Hinman L., Plainville, and A. L. Stowell, assignors to The Stanley Works, New Britain, Conn. Chuck. 1,953,637; Apr. 3.
- Smith, Homer E. (See Phelps, A. W., Holmes, Birch, and Smith.)
- Smith Hood & Seal Corporation. (See Meldrum, Alexander, assignor.)
- Smith Hood & Seal Corporation. (See Roehm, John G., assignor.)
- Smith, Horace L., jr., Richmond, Va. Building structure. 1,982,551; Nov. 27.
- Smith, Horace L., jr., and L. N. Jones, assignors to Thermal Engineering Corporation, Richmond, Va. Radiator type air conditioning apparatus. 1,983,711; Dec. 11.
- Smith, Horatio W., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Grader screen. 1,949,697; Mar. 6.
- Smith, Howard B., Washington, D. C. Shorthand typewriter. 1,954,834; Apr. 17.
- Smith, Howard B., Pataskala, Ohio. Shoe polishing kit. 1,977,530; Oct. 16.
- Smith, Howard, Company. (See Williams, T. P., and Baxter, assignors.)
- Smith, Howard F., Birmingham, England. Apparatus for supporting curtains. 1,972,604; Sept. 4.
- Smith, Howard G., Chinchilla, Pa. Boiler. 1,977,411; Oct. 16.
- Smith, Howard H., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 1,971,509; Aug. 28.
- Smith, Howard L., Port Washington, N. Y., and L. N. Neulen, West Englewood, N. J. Attachment for blackboards. 1,984,845; Dec. 18.
- Smith, Hurley H., Elkhart, Ind. Sash fastener. 1,957,113; May 1.
- Smith, Ira C., Washington, D. C. Holder for street railway transfers and the like. 1,968,717; July 31.
- Smith, Ira E., Stockton, Calif. Automatic temperature control apparatus for hot rolls. 1,954,027; Apr. 10.
- Smith, Ira W., et al. (See Rechten, George, assignor.)
- Smith, Irving R., Milwaukee, assignor to Sterling Wheelbarrow Company, West Allis, Wis. Foundry flask and manufacturing the same. 1,974,292; Sept. 18.
- Smith, Irving V., assignor to Sargent & Company, New Haven, Conn. Wall plaque or the like. Des. 91,972; Apr. 10.
- Smith, Isidore P., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider. 1,973,229; Sept. 11.
- Smith, James A., and A. E. Zierick, New York, N. Y. Combined odometer and oiling indicator. 1,948,946; Feb. 27.
- Smith, James C., Los Angeles, Calif. Well drilling system. 1,970,253; Aug. 14.
- Smith, James F., Longview, Wash. Chipper knife. 1,980,885; Nov. 13.
- Smith, James J., Philadelphia, Pa. Grease gun attachment. 1,948,318; Feb. 20.
- Smith, James N., Cleveland, Ohio, assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid feeding device. 1,958,398; May 8.
- Smith, James T., assignor to Mills Novelty Company, Chicago, Ill. Refrigerating system for ice cream freezers. 1,968,507; July 31.
- Smith, James T., assignor to Mills Novelty Company, Chicago, Ill. Apparatus for preventing accumulation of oil in cooling compartment of ice cream freezers. 1,968,508; July 31.
- Smith, James W., assignor to B. W. Smith, Cleveland, Ohio. Window sash balance. 1,965,478; July 3.
- Smith, Jay M., assignor to Plant Rubber & Asbestos Works, San Francisco, Calif. Forming body. 1,960,353; May 29.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,942,008; Jan. 2.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,948,684; Feb. 27.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,958,645; May 15.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Sheet-collating device for typewriter. 1,959,447; May 22.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,962,331; June 12.

- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,971,202; Aug. 21.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,979,292; Nov. 6.
- Smith, John A., Arlington, assignor to Hood Rubber Company, Inc., Watertown, Mass. Battery container. Des. 91,572; Feb. 20.
- Smith, John B., La Grande, Oreg. Stay-on horseshoe. 1,955,030; Apr. 17.
- Smith, John C. (See Stack, F. T. and Smith.)
- Smith, John C., Monaca, Pa. Method and mold for making globes. 1,956,161; Apr. 24.
- Smith, John C., Beaver, assignor of one-half to Phoenix Glass Company, Monaca, Pa. Lamp globe fitting. 1,947,806; Feb. 20.
- Smith, John E., Belleville, Ill. Electrical cooking apparatus. 1,947,426; Feb. 13.
- Smith, John E., assignor to Knapp-Monarch Company, Belleville, Ill. Cooking appliance. 1,947,232; Feb. 13.
- Smith, John E., assignor to Knapp-Monarch Company, Belleville, Ill. Immersion heating element. 1,949,086; Feb. 27.
- Smith, John E., assignor to Knapp-Monarch Company, Belleville, Ill. Electric toaster. 1,963,924; June 19.
- Smith, John E., assignor to Knapp-Monarch Company, Belleville, Ill. Terminal construction. 1,973,271; Sept. 11.
- Smith, John E., assignor to Knapp-Monarch Company, Belleville, Ill. Exterminating moths. 1,982,358; Nov. 27.
- Smith, John E., Plainfield, N. J. Motor. 1,952,733; Mar. 27.
- Smith, John E., Plainfield, N. J. Apparatus for making coffee infusions and the like. 1,980,735; Nov. 13.
- Smith, John E., Plainfield, N. J., assignor to Knapp-Monarch Company, Belleville, Ill. Coating machine and process. 1,951,176; Mar. 13.
- Smith, John F. (See Kitchin, John, assignor.)
- Smith, John R., Massillon, Ohio. Child's bicycle. 1,978,653; Oct. 30.
- Smith, John W. (See Cooper, E. H., Searles, and Smith.)
- Smith, John W. (See Cooper, E. H., Searles, Smith, and Houston.)
- Smith, John W., Gladwyne, Pa. Automatic film developing apparatus. 1,969,823; Aug. 14.
- Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,944,766; Jan. 23.
- Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,945,237; Jan. 30.
- Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Grading machine. 1,947,116; Feb. 13.
- Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,955,102; Apr. 17.
- Smith, John W., New Britain, Conn., assignor, by mesne assignments, to The Timken Roller Bearing Company. Method of and machine for grinding tapered rollers. 1,970,777; Aug. 21.
- Smith, John W. W., Prittlewell, assignor to Ilford Limited, Ilford, Essex, England. Core for cinematograph film stock. Des. 93,640; Oct. 16.
- Smith, Joseph K., Detroit, Mich., assignor to The Beryllium Corporation, New York, N. Y. Spring steel. 1,943,347; Jan. 16.
- Smith, Joseph K., Detroit, Mich., assignor to The Beryllium Corporation, New York, N. Y. Steel for nitriding. 1,943,348; Jan. 16.
- Smith, Joseph K., Detroit, Mich., assignor to The Beryllium Corporation, New York, N. Y. High speed steel. 1,968,966; Aug. 7.
- Smith, Joseph K., Detroit, Mich., assignor to The Beryllium Corporation, New York, N. Y. Beryllium-aluminum alloy and heat treating the same. 1,976,375; Oct. 9.
- Smith, Joseph W., Cambridge, Ohio. Eye-testing apparatus. 1,951,438; Nov. 20.
- Smith, Joseph W., Cambridge, Ohio. Apparatus for determining the proper relation between the vision fields of multifocal ophthalmic lenses. 1,981,439; Nov. 20.
- Smith, Justin L. and H. H., assignors to Seymour Smith & Son, Inc., Watertown, Conn. Pruning shears. 1,963,564; June 19.
- Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Viscolizer valve. 1,963,424; June 19.
- Smith, Kenneth, Kansas City, Mo. Golf club seal and making the same. 1,943,399; Jan. 16.
- Smith, Kenneth J., El Dorado, Kans., assignor to Skelly Oil Company, Wilmington, Del. Refining cracked gasoline. 1,969,047; Aug. 7.
- Smith, Kenneth L., Des Plaines, Ill. Tie stall. 1,949,189; Feb. 27.
- Smith, L. C. & Corona Typewriters Inc. (See Atti, Raphael, assignor.)
- Smith, L. C. & Corona Typewriters Inc. (See Avery, Henry A., assignor.)
- Smith, L. C. & Corona Typewriters, Inc. (See Bradt, Charles H., assignor.)
- Smith, L. C. and Corona Typewriters, Inc. (See Flanigan, John J., assignor.)
- Smith, L. C. & Corona Typewriters, Inc. (See Gabrielson, Carl, assignor.)
- Smith, L. C. & Corona Typewriters, Inc. (See Miller, Samuel E., assignor.)
- Smith, L. C. & Corona Typewriters, Inc. (See Weis, Paul B., assignor.)
- Smith, Landon D., Richmond Hill, N. Y. Hand truck. 1,969,048; Aug. 7.
- Smith, Landon P., Inc. (See Fancher, John H., assignor.)
- Smith, Lawrence C., Hillsdale, Mich. Refrigerating apparatus. 1,953,271; Apr. 3.
- Smith, Lawrence C., Kenmore, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Beverage cooler. 1,962,621; June 12.
- Smith, Lawrence C., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Condenser and making the same. 1,970,105; Aug. 14.
- Smith, Lawrence C., Kenmore, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigeration evaporator. 1,970,106; Aug. 14.
- Smith, Lawrence C., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Apparatus for cooling beverages. 1,980,945; Nov. 13.
- Smith, Lawrence C., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Making refrigerating apparatus. 1,982,075; Nov. 27.
- Smith, Lee, Evansville, Ind. Grave vault. 1,966,909; July 17.
- Smith, Lee B. (See Bond, H. A., and Smith.)
- Smith, Lee E., Portland, Oreg. Scraper. 1,966,741; July 17.
- Smith, Lee T., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating components of pine oil. 1,961,398; June 5.
- Smith, Leo O. (See Macdonald, Rob Roy, assignor.)
- Smith, Leonard A., Stuart, Fla. Automatic waterer. 1,961,092; May 29.
- Smith, Leslie L. (See Van Seyle, R. Smith, and Barnes.)
- Smith, Lester C., assignor to The Spencer Turbine Co., Hartford, Conn. Pressure regulator. 1,958,023; May 8.
- Smith, Lewis R. (See Anderson, G. Albert, assignor.)
- Smith, Lewis R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc welding apparatus. 1,982,327; Nov. 27.
- Smith, London L., Chicago, Ill. Window jack. 1,957,184; May 1.
- Smith, Louis C., et al., trustees. (See Dodge, J. H., and Ekman, assignors.)
- Smith, Lulu E. (See Schroeder, Joseph H., assignor.)
- Smith, Lybrand P., U. S. Navy. Torsion tachometer. 1,968,859; Aug. 7.
- Smith, Lyndon A., Houston, Tex. Egg serving device. 1,955,258; Apr. 17.
- Smith, Lynn K. (See Stanfield, L. M., and Webb, assignors.)
- Smith Manufacturing Company. (See Smith, Frank A., assignor.)
- Smith, Marion F., and E. M. Reedy, assignors to Mueller Co., Decatur, Ill. Water meter yoke. 1,969,432; Aug. 7.
- Smith, Marshall A., Jr., South Bend, Ind., assignor to Bendix Research Corporation, East Orange, N. J. Making propellers. 1,952,569; Mar. 27.
- Smith, Marshall A., Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Propeller. 1,969,280; Aug. 7.
- Smith, Marshall A., assignor to Bendix Aviation Corporation, South Bend, Ind. Bearing. 1,985,386; Dec. 25.
- Smith, Martin W., assignor of one half to E. N. Hutchins, Somerville, Mass. Extension ladder latch. 1,950,574; Mar. 13.
- Smith, Marvin W., Bath, Pa. Boiler for heating systems. 1,972,324; Sept. 4.
- Smith, Melton A., assignor to Edgewater Steel Company, Pittsburgh, Pa. Treatment of hubs of car wheels. 1,951,111; Mar. 13.
- Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider supporting frame. Des. 91,472; Feb. 6.
- Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Tent. 1,962,916; June 12.
- Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider frame construction. 1,962,917; June 12.
- Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Tent. 1,962,918; June 12.
- Smith, Neal G., Quitaque, Tex. Bumper shoe. 1,985,113; Dec. 18.
- Smith, Nelson J., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,954,498; Apr. 10.
- Smith, Newton G., Amersham, and A. Thomas, Thornton Heath, assignors to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Forming records in record cards or the like, particularly for use in statistical or like machines. 1,969,332; Aug. 7.
- Smith, Obed E. (See Eksergian, C. L., and Smith.)
- Smith, Obed E. (See Farr, W. H., Eksergian, and Smith.)
- Smith, Oliver A., Birmingham, England, assignor to Spencerian Pen Company, New York, N. Y. Feeder pen point. 1,951,848; Mar. 20.

- Smith, Omar H., West Englewood, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Coating material. 1,975,179; Oct. 2.
- Smith, Ralph J., and C. A. Newton, Littleover, and R. C. Roe, Rochdale, England. Hydraulic pump and motor of hydraulic transmission gear. 1,981,757; Nov. 20.
- Smith, Ralph R., Cleveland, Ohio, assignor to National Carbon Company, Inc. Dry cell. Re19,283; Aug. 21.
- Smith, Ralph K., Fremont, Ohio, assignor to National Carbon Company, Inc. Dry cell. 1,949,586; Mar. 6.
- Smith, Raymond D., Pleasantville, N. Y. Circuit switching timer. 1,984,204; Dec. 11.
- Smith, Raymond D., Pleasantville, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Plural action interval timer. 1,979,293; Nov. 6.
- Smith, Percy C., Chicago, Ill., assignor to J. F. Meyer, Flintridge, Calif. Delivery device. 1,984,997; Dec. 18.
- Smith, Percy W. (See Wolfe, Roswell J., and Smith.)
- Smith, Ralph D. (See Madison, P. K., and Smith.)
- Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Burial vault. Des. 92,982; Aug. 7.
- Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Dump body. 1,959,504; May 22.
- Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Spreader. 1,971,432; Aug. 28.
- Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Hydraulic hoist-lever construction. 1,973,668; Sept. 11.
- Smith, Ralph E., assignor to The Galion Metallic Vault Co., Galion, Ohio. Hydraulic power dumping mechanism. 1,983,051; Dec. 4.
- Smith, Ralph J., and C. A. Newton, Littleover, and R. C. Roe, Rothdale, England. Hydraulic transmission gear. 1,952,570; Mar. 27.
- Smith, Ramsey, Oakridge, Roatan, Honduras. Game apparatus. 1,941,630; Jan. 2.
- Smith, Ray C., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Supporting roller device. 1,967,332; July 24.
- Smith, Raymond D., Pleasantville, N. Y. Timing mechanism. 1,965,300; July 3.
- Smith, Raymond D., Pleasantville, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Multiple action interval timer. 1,967,270; July 24.
- Smith, Raymond E., Indianapolis, Ind. Combination clamp and anchor means for the plates of rotary printing presses. 1,961,797; June 5.
- Smith, Raymond H., assignor of one-half to N. W. Long, Richmond, Ind. Skillet. 1,970,151; Aug. 14.
- Smith, Raymond S., Pratt, Kans. Land roller. 1,949,587; Mar. 6.
- Smith, Raymond W., Chicago, Ill., assignor to J. Baker, trustee. Job coupon ticket machine. 1,954,367; Apr. 10.
- Smith, Reading B., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Recovering hydrocarbons. 1,951,885; Mar. 20.
- Smith, Reuben T., Newton, Miss. Intermittent cycling switch for electrical circuits. 1,980,760; Nov. 13.
- Smith, Richard L., Topeka, Kans. Mail box. 1,973,020; Sept. 11.
- Smith, Robert, jr., assignor to Insulated Steel Construction Company, Cleveland, Ohio. Service station. Des. 93,797; Nov. 6.
- Smith, Robert A., Mahwah, assignor to Smith & Serrell, Elizabeth, N. J. Flexible coupling. 1,942,782; Jan. 9.
- Smith, Robert B., Pittsburgh, Pa. Carburation and means therefor. 1,951,812; Mar. 20.
- Smith, Robert B., Macon, Ga. Electric lawn mower. 1,954,579; Apr. 10.
- Smith, Robert B., Macon, Ga. Swinging chair. 1,957,004; May 1.
- Smith, Robert B., Atlanta, Ga., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Clothshade-testing device. 1,974,880; Sept. 25.
- Smith, Robert H., U. S. Navy. Aircraft navigational instrument. 1,985,265; Dec. 25.
- Smith, Robert H., and J. P. Vest, U. S. Navy. Aircraft navigational instrument. 1,985,266; Dec. 25.
- Smith, Robert T., Euftaula, Okla., assignor of forty-five one-hundredths to F. D. Smith, Wichita, Kans. Spraying machine. 1,970,984; Aug. 21.
- Smith, Rothwell E., Westfield, N. J., assignor to International Communications Laboratories, Inc., New York, N. Y. Carrier telegraph system. 1,985,430; Dec. 25.
- Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Casting metal fixtures on glass articles. 1,955,981; Apr. 24.
- Smith, Roy A. (See Frayer, Lee A., assignor.)
- Smith, Roy D., Lyons, Kans. Collapsible form for concrete constructions. 1,947,625; Feb. 20.
- Smith, Roy D., assignor to Bee Line Manufacturing Company, Davenport, Iowa. Vehicle hoist. 1,942,945; Jan. 9.
- Smith, Roy H. (See Frayer, Lee A., assignor.)
- Smith, Roy H., Kent, Ohio. Method and apparatus for making nut blanks. 1,957,987; May 8.
- Smith, Roy J., Northfield, Vt. Trellis. 1,953,638; Apr. 3.
- Smith, Roy M., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company. Indicating instrument. 1,959,771; May 22.
- Smith, Roy M., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company. Protective relay system. 1,966,189; July 10.
- Smith, Ruben, et al. (See Ramos, J. A., and Scribante, assignors.)
- Smith, Russell T., Greenville, Mich. Cabinet. Des. 91,373; Jan. 16.
- Smith, Russell T., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator construction. 1,947,807; Feb. 20.
- Smith, Russell T., assignor to Gibson Refrigerator Company, Greenville, Mich. Absorption type refrigerator. 1,967,271; July 24.
- Smith, S. Morgan, Company. (See Gannett, Malcolm F., assignor.)
- Smith, S. Morgan, Company. (See Jessop, G. A., and Ross, assignors.)
- Smith, Samuel B., Rocky River, Ohio. Rotary sleeve valve engine. 1,964,369; June 26.
- Smith & Serrell. (See Smith, Robert A., assignor.)
- Smith, Seth G., Springfield, and E. E. Morand, Westfield, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 1,982,359; Nov. 27.
- Smith, Seymour, & Son, Inc. (See Smith, Justin L. and H. H.)
- Smith, Sherwood T., Manchester, Conn. Grade indicator for motor vehicles and the like. 1,984,236; Dec. 11.
- Smith & Stone Limited. (See Wold, Trygve, assignor.)
- Smith, Sydney, assignor of one-half to The Wellman Seaver Rolling Mill Company, Limited, London, England, and one-half to Press-und Walzwerk Aktiengesellschaft, Dusseldorf, Reisholz, Germany. Push bench guide. 1,979,579; Nov. 6.
- Smith, Sidney B. (See Wright, G. M., and Smith.)
- Smith, Sidney R. (See Saxby, R. N., and Smith.)
- Smith, Silas B., Mound, Minn. Self-locking electrical connector. 1,945,664; Feb. 6.
- Smith-Stange, Yngve, assignor to Argus Manufacturing Company, Chicago, Ill. Handcuff. 1,950,757; Mar. 13.
- Smith, Sydney, Chobham, England. Motor vehicle. 1,953,515; Apr. 3.
- Smith, Sydney, assignor to Wellman Seaver Rolling Mill Co. Ltd., London, England. Tube manufacture. 1,969,665; Aug. 7.
- Smith, Sydney, assignor to Wellman Seaver Rolling Mill Co. Ltd., London, England. Push bench die holder. 1,977,327; Oct. 16.
- Smith, T. L., Company. (See Bager, Frederic E., assignor.)
- Smith, T. L., Company. (See Rybeck, Adolph W., assignor.)
- Smith, Temple C., Westfield, A. E. Freeman, South Orange, and W. T. Livermore, Westfield, N. J., assignors to American Telephone and Telegraph Company. Adjustable aerial platform. 1,967,376; July 24.
- Smith, Temple C., Westfield, N. J., assignor to American Telephone and Telegraph Company. Differential mechanism. 1,979,414; Nov. 6.
- Smith, Theodore A. (See Weinberger, J., Smith, and Rodwin.)
- Smith, Thomas E., King, N. C. Advertising device. 1,953,272; Apr. 3.
- Smith, Valentine, Virginia Water, England. Animated picture bearing device. 1,960,397; May 29.
- Smith, Verus M., Grosse Pointe, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,953,197; Apr. 3.
- Smith, Victor C., Norwalk, Conn., assignor to Standard Oil Development Company. Vehicular tank support. 1,951,741; Mar. 20.
- Smith, Wallace W., assignor to Inland Steel Company, Chicago, Ill. Making piling sections of general Z-shape. 1,943,933; Jan. 16.
- Smith, Walter A., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Mopstick. 1,968,622; July 31.
- Smith, Walter E., Honolulu, Hawaii. System of vacuum pan control. 1,948,052; Feb. 20.
- Smith, Walter F., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Milling machine. 1,972,633; Sept. 4.
- Smith, Walter H., Toronto, Ontario, Canada. Printing press. 1,949,132; Feb. 27.
- Smith, Walter L., Kansas City, Mo. Apparatus for carbonating and dispensing liquids. 1,957,854; May 8.
- Smith, Walter L., Kansas City, Mo. Method of and apparatus for refrigeration with solid carbon dioxide. 1,965,205; July 3.
- Smith, Walter L., Malvern, Iowa. Weld movement frame fastening means. 1,968,718; July 31.
- Smith, Walter V., South Hadley Falls, assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Deflating pneumatic tubes. 1,947,678; Feb. 20.
- Smith, Warner A., assignor of one-half to P. S. Moore, Seattle, Wash., and one-half to himself. Printer's feed gauge. 1,954,270; Apr. 10.
- Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)
- Smith, Wendell L. (See Reedy, A. J., and Smith.)
- Smith, Wesley L. (See Gregg, D., and Smith.)
- Smith, Wesley L., Cranford, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Aircraft altitude indicator. 1,959,309; May 15.
- Smith, William, Omaha, Nebr. Indicator for card tables. 1,947,067; Feb. 13.
- Smith, William, Chehalis, Wash. Restraining device. 1,956,478; Apr. 24.

- Smith, William A. (See Hoyt, L. F., and Smith.)
- Smith, William A., jr. (See Jowett, J. H., and Smith, jr.)
- Smith, William A. (See Smith, Arthur C., assignor.)
- Smith, William A., jr. (See Smith, William A., sr., and W. A., jr.)
- Smith, William A., Cortland, N. Y. Door operating mechanism. 1,949,133; Feb. 27.
- Smith, William A., Hamburg, N. Y. Refining hydrocarbon materials. 1,964,087; June 26.
- Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,946,989; Feb. 13.
- Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill mounting. 1,954,957; Apr. 17.
- Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for fluid actuated tools. 1,975,872; Oct. 9.
- Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drilling mechanism. 1,981,475; Nov. 20.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,965,264; July 3.
- Smith, William A., jr., North Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Percussive tool. 1,982,701; Dec. 4.
- Smith, William A., sr., Easton, Pa., and W. A. Smith, jr., Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Mounting for drilling mechanism. 1,975,873; Oct. 9.
- Smith, William A., jr., North Arlington, N. J., and H. J. Schorle, Astoria, assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Percussive tool valve. 1,982,700; Dec. 4.
- Smith, William B., Washington, D. C. Drain trap priming device. 1,985,647; Dec. 25.
- Smith, William B., assignor of one-half to C. T. Weber, Baltimore, Md. Bail ear and method therefor. 1,954,430; Apr. 10.
- Smith, William B., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Indicating control device. 1,963,722; June 19.
- Smith, William F., Poughkeepsie, N. Y. Free wheeling transmission clutch. 1,942,669; Jan. 9.
- Smith, William F., Weston, assignor to Elwyn C. Thayer, Waltham, Mass. Bedding for poultry and animals and preparing same. 1,967,333; July 24.
- Smith, William F., Alameda, and U. H. Neece, Fresno, Calif., assignors to Oliver Farm Equipment Company. Tandem offset disk harrow. 1,978,965; Oct. 30.
- Smith, William H., sr., Webster Groves, Mo. Shoe stand. 1,944,649; Jan. 23.
- Smith, William H., East Molesey, England. Tile building construction. 1,946,180; Feb. 6.
- Smith, William H., assignor to General Reduction Corporation, Detroit, Mich. Reducing and alloying metals. 1,951,449; Mar. 20.
- Smith, William H., assignor to General Reduction Corporation, Detroit, Mich. Cooling unit for refrigerating systems. 1,959,934; May 22.
- Smith, William J., Rocky River, Ohio. Oil burner casing. Des. 93,295; Sept. 11.
- Smith, William J., Riverside, R. I. Thermostatic device. 1,969,240; Aug. 7.
- Smith, William J., Lakewood, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Liquid fuel burning apparatus. 1,943,632; Jan. 16.
- Smith, William L., jr., assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 1,946,767; Feb. 13.
- Smith, William L., jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Rib fabric and making the same. 1,979,233; Oct. 30.
- Smith, William M. (See Parks, P. B., and Smith.)
- Smith, William M. (See Russell, E. A., Parks, and Smith.)
- Smith, William T., New Bern, N. C. Stave jointing machine. 1,977,495; Oct. 16.
- Smith, Willis D., Sapulpa, Okla. Combination article. 1,975,559; Oct. 2.
- Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Lyme, Solefields, Sevenoaks, and J. N. Dean, Orpington, England. Manufacture of submarine or other signaling cables. 1,946,337; Feb. 6.
- Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Sevenoaks, and J. N. Dean, Orpington, England. Continuously loaded submarine signaling cable. 1,947,314; Feb. 13.
- Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Solefields, Sevenoaks, J. N. Dean, Orpington, B. J. Haggood, Bournemouth, and H. C. Channon, London, England. Electrical insulating materials. 1,953,440; Apr. 3.
- Smith, Willoughby S., Newton Poppleford, H. J. Garnett, Sevenoaks, J. N. Dean, Orpington, H. C. Channon, South Kensington, W. Gardner, Canonbury, and H. F. Wilson, East Sheen, London, England. Electrical insulating material. 1,961,306; June 5.
- Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Solefields, Sevenoaks, and J. N. Dean, Orpington, England. Treatment of gutta percha, balata, and like thermoplastic natural and artificial products and the manufacture of molded articles therefrom. 1,978,868; Oct. 30.
- Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Lyme, Solefields, Sevenoaks, and J. N. Dean, Orpington, England. Manufacture of refined gutta percha, balata, and the like. 1,978,869; Oct. 30.
- Smith, Wray B., Atlanta, Ga. Refrigerator vehicle body. 1,980,446; Nov. 13.
- Smith, Wright, jr., Mobile, Ala. Roof and method of laying same. 1,968,228; July 31.
- Smith, F. L., Machine Co. (See Novick, Abraham, assignor.)
- Smithells, Colin J. (See Eden, C. G., and Smithells.)
- Smithers, Arthur J. (See Ott, O. W., and Smithers.)
- Smith's, John E., Sons Company. (See Van Hooydonk, Adrian C., assignor.)
- Smithuysen, Wilhelm C. B. (See van Peski, A. J., and Smithuysen.)
- Smitmans, John A. (See Biggert, F. C., jr., and Smitmans.)
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Shear mechanism. Re19,343; Oct. 16.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Cutting machine. 1,946,919; Feb. 13.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rotary drying shear. 1,948,139; Feb. 20.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Shear mechanism. 1,951,177; Mar. 13.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Sheet piler. 1,951,178; Mar. 13.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill screw-down. 1,956,933; May 1.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shear. 1,969,433; Aug. 7.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Vertical strip reel. 1,984,815; Dec. 18.
- Smits, Wytze B. (See Babaté, J., and Smits.)
- Smitt, Gösta J. J., Vasteras, Sweden. Scraping-iron for road planing machines. 1,976,303; Oct. 9.
- Smolak, George, Somerville, N. J., and W. McQuade, Port Washington, assignors to Johns-Manville Corporation, New York, N. Y. Surfacing of rigid shingles and the like. 1,945,003; Jan. 30.
- Smolensky, Michael, Cleveland, Ohio. Straight flow stop valve. 1,949,190; Feb. 27.
- Smolensky, Michael, Cleveland, Ohio. Check valve. 1,950,575; Mar. 13.
- Smolensky, Michael, Garfield Heights, Ohio. Straight flow stop valve. 1,949,191; Feb. 27.
- Smoller, Louis. (See De Stefan, Alfred, assignor.)
- Smoot, Charles H., deceased, Maplewood, N. J.; Katherine Smoot, executrix. Remote indicator or regulator. 1,954,850; Apr. 17.
- Smoot, Charles H., deceased, Maplewood, N. J., K. Smoot executrix, assignor to K. Smoot. Feed water control system. 1,964,773; July 3.
- Smoot, Charles H., deceased, Maplewood, N. J.; K. Smoot executrix, assignor to K. Smoot. Furnace regulation. 1,964,774; July 3.
- Smoot, John H., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Reproducing device. 1,945,710; Feb. 6.
- Smoot, Katherine, executrix. (See Smoot, Charles H.)
- Smoot, Theo. H. (See Slaght, Howard S., assignor.)
- Smoyer, Geraldine A., assignor to Brey & Krause Manufacturing Company, Allentown, Pa. Combined soap dish and grab bar. Des. 92,564; June 19.
- Smullin, Thirsa G., Honcut, Calif. Serving tray. 1,942,190; Jan. 2.
- Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Thermos responsive electric controller. 1,969,105; Aug. 7.
- Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Recording instrument. 1,979,713; Nov. 6.
- Smurr, Samuel P., Oak Park, assignor, by mesne assignments, to Majestic Rolling Door Company, Chicago, Ill. Fire door. 1,968,719; July 31.
- Smyser, Mon, Cincinnati, Ohio. Burial case. 1,943,094; Jan. 9.
- Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric glow discharge lamp. 1,954,958; Apr. 17.
- Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motion picture system with sound. 1,962,367; June 12.
- Smythe, J. L. N. Co. (See Haines, William C., assignor.)
- Smythe, Robert L. (See Steinmayer, A. G., and Smythe.)
- Smythe, Robert L., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse. 1,967,543; July 24.
- Snadecki, William J., Westover, Va. Speed boat. 1,941,586; Jan. 2.
- Snader, Howard B., Reading, Pa. Undergarment. 1,966,651; July 17.
- Snader, Howard B., Reading, Pa. Brassière. 1,980,767; Nov. 13.
- Snader, Howard B., assignor to Vanity Fair Silk Mills, Reading, Pa. Hosiery with elastic seam. 1,963,967; Aug. 7.

- Snap-On Tools, Inc. (See Klein, Walter F., assignor.)
 Snap-On Tools, Inc., The. (See Yordi, Arthur, assignor.)
 Snarry, John W., Handsworth, assignor to The Gear Grinding Company Limited, Birmingham, England. Machine for grinding splined shafts, gear teeth, and the like. 1,970,060; Aug. 14.
 Snaveley, Clarence S., D. P. Fitzsimmons, and N. F. Agnew, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,955,646; May 15.
 Snax Automatic Stores, Inc. (See Martin, William J., assignor.)
 Sneed & Company. (See MacDonald, Angus S., assignor.)
 Sneed & Company. (See Sneed, William S., assignor.)
 Sneed, Edwin B., Dallas, Tex. Scaffold jack. 1,945,828; Feb. 6.
 Sneed, William S., Montclair, assignor to Sneed & Company, Jersey City, N. J. Metallic partition structure. 1,951,778; Mar. 20.
 Sneary, Loy E., Ada, Ohio. Ball. 1,967,908; July 24.
 Snediker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Differential thermostat. 1,953,821; Dec. 11.
 Sneed, John, Grosse Pointe, Mich. Steering mechanism. 1,942,263; Jan. 2.
 Sneed, John, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake control. 1,959,692; May 22.
 Sneed, John, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, as Trustee for Steeldraulic Brake Corporation, Detroit, Mich. Brake hook-up. 1,959,693; May 22.
 Sneed, John, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, trustee for Steeldraulic Brake Corporation, Detroit, Mich. Making a brake shoe. 1,982,403; Nov. 27.
 Sneed, John, assignor to Steeldraulic Brake Corporation, Detroit, Mich. Brake mechanism. 1,945,166; Jan. 30.
 Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Vehicle brake mechanism. 1,956,702; May 1.
 Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake control. 1,961,798; June 5.
 Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, as trustee for Steeldraulic Brake Corporation, Detroit, Mich. Cross shaft. 1,945,622; Feb. 6.
 Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, as trustee for Steeldraulic Brake Corporation, Detroit, Mich. Brake hook-up. 1,958,681; May 15.
 Sneider, Henry D., Brooklyn, assignor of one-half to Wm. Cuttner, Inc., New York, N. Y. Cosmetic container. 1,949,636; Mar. 6.
 Snelierson, Samuel L., Roxbury, Mass., assignor to McGill Manufacturing Co. Electric pull chain snap switch. 1,973,730; Sept. 18.
 Snell, A. H., et al. (See Snell, Philip N., Jr., assignor.)
 Snell, Foster D., Brooklyn, N. Y. Acid and waterproof cement. 1,973,731; Sept. 18.
 Snell, Foster D., Brooklyn, N. Y. Cement. 1,973,732; Sept. 18.
 Snell, Foster D., Brooklyn, assignor to Essex Foundry, New York, N. Y. Mold. 1,959,179; May 15.
 Snell, Foster D., Brooklyn, assignor to Travatex Products Corporation, New York, N. Y. Plastic. 1,964,088; June 26.
 Snell, Foster D., Inc. (See Grafton, Corydon M., assignor.)
 Snell, Fredrick R., Bartlesville, Okla. Paper holder. 1,971,539; Aug. 28.
 Snell, Glenn W., Montreal, Quebec, Canada. Float for fishing tackle. 1,950,933; Mar. 13.
 Snell, James C., Oak Park, assignor of seventy per cent to H. W. Nordendale, Chicago, Ill. Transformer or choke. 1,974,588; Sept. 25.
 Snell, James C., Oak Park, assignor of seventy per cent to H. W. Nordendale, Chicago, Ill. Coil and making the same. 1,976,895; Oct. 16.
 Snell, John F. (See Skazin, L. and Snell.)
 Snell, Lester W., Alton, Ill. Bending tubes. 1,943,700; Jan. 16.
 Snell, Louis M., Parma Heights, Ohio. Lettering, drawing, writing and marking pen. 1,982,546; Nov. 27.
 Snell, Lyle K., Detroit, Mich., assignor, by mesne assignments, to Eaton Detroit Metal Company, Cleveland, Ohio. Closure. 1,946,768; Feb. 13.
 Snell, Lyle K., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Closure device. 1,960,354; May 29.
 Snell, Lyle K., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Brake. 1,974,589; Sept. 25.
 Snell, Lyle K., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Brake. 1,982,360; Nov. 27.
 Snell, Philip N., Jr., assignor of three-eighths to A. H. Snell, and one-eighth to C. J. Landram, Houston, Tex. Drill. 1,943,699; Jan. 16.
 Snell, Sydney W., Woodford Green, assignor to The British Xylonite Company Limited, London, England. Brush. 1,957,363; May 1.
 Snelling, Henry H. (See Birnstock, William W., assignor.)
 Snelling, Walter O., Allentown, Pa. Metal leaf package. 1,943,747; Jan. 16.
 Snelling, Walter O., Allentown, Pa. Separation of vitamins from saponifiable oils. 1,947,315; Feb. 13.
 Sniffin, John G., Huntington Park, assignor of one-half to J. W. McLaughlin, Whittier, Calif. Separator. 1,979,500; Nov. 6.
 Snipes, Marvin R. (See Anglyn, Hugh E., assignor.)
 Sniitkin, Nikolai, Tallinn, Estonia. Method of and apparatus for the rapid freezing of liquids. 1,970,437; Aug. 14.
 Snitzer, Louis, Los Angeles, Calif. Garment hanger. 1,980,557; Nov. 13.
 Snodgrass, Edward N., assignor to Norman Confections, Inc., Denver, Colo. Producing confections. 1,952,101; Mar. 27.
 Snodgrass, Edward N., assignor to Norman Confections, Inc., Denver, Colo. Apparatus for confection manufacture. 1,970,712; Aug. 21.
 Snodgrass, Edward N., assignor to Norman Confections, Inc., Denver, Colo. Apparatus for preparing composite ice cream bricks. 1,976,859; Oct. 16.
 Snook, Jacob L., Eindhoven, Netherlands, assignor to Radio Corporation of America. Microphone. 1,976,692; Oct. 9.
 Snook, Homer C., Summit, N. J. Ingot casting method. 1,961,399; June 5.
 Snook, Robert J., and N. Lippman, Los Angeles, Calif. Store fixture. 1,955,370; Apr. 17.
 Snow, Alfred T., Philadelphia, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,955,712; Apr. 17.
 Snow, Arthur. (See Griffiths, E., and Snow.)
 Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Company, Chicago, Ill. Water treating and storage apparatus. 1,970,201; Aug. 14.
 Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Company, Chicago, Ill. Water treating and storage apparatus. 1,970,202; Aug. 14.
 Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Company, Chicago, Ill. Softening water and water-treating and storage apparatus. 1,970,203; Aug. 14.
 Snow, Benjamin H., Melrose, assignor to Bernitz Furnace Appliance Company, Boston, Mass. Furnace wall. 1,955,700; Apr. 17.
 Snow, Early L., and E. L. Barkley, Jr., Winston-Salem, N. C. Shipping container. 1,958,352; May 8.
 Snow, Harold A., Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube. 1,962,218; June 12.
 Snow, Harold A., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum device. 1,981,336; Nov. 20.
 Snow, Harold R., Hammond, assignor to Standard Oil Company, Whiting, Ind. Producing lubricating oils. 1,970,402; Aug. 14.
 Snow, Herbert C., Auburn, Ind., and G. W. Harper, Cleveland, Ohio, assignors to Manning & Company, Chicago, Ill. Automotive differential gearing. 1,955,103; Apr. 17.
 Snow, Herbert C., and A. A. Stone, Auburn, Ind., assignors to Manning & Co., Chicago, Ill. Automotive transmission. 1,980,505; Nov. 13.
 Snow, Isaac, Lawrence, Mass. Reverse wound yarn package. 1,960,128; May 22.
 Snow, Isaac, Lawrence, Mass., assignor to U. S. Bobbin & Shuttle Company (1929), Providence, R. I. Open bottom friction for automatic bobbins. 1,949,192; Feb. 27.
 Snow, James E., et al. (See Johnson, Louis V., assignor.)
 Snow, Neil W., et al. (See MacDonald, Walter R., assignor.)
 Snow, Norman L. (See Brelsford, H. E., Thomas, and Snow.)
 Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,966,190; July 10.
 Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,970,401; Aug. 14.
 Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,971,020; Aug. 21.
 Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower. 1,978,555; Oct. 30.
 Snow, Norman L., New Canaan, Conn., and C. L. Howse, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. Re19,105; Mar. 6.
 Snow, T. W., Construction Company. (See Snow, Barton S., assignor.)
 Snuggle Rug Company. (See Stephenson, Verne L., assignor.)
 Snyder, Allen G. (See Snyder, George H., and A. G.)
 Snyder, Charles E., Silver Lake, Kans. Jetty construction. 1,967,759; July 24.
 Snyder, Chester, Yonkers, assignor to Angola Chemical Corporation, New York, N. Y. Production of adhesives and surfacing materials. 1,967,043; July 17.
 Snyder, Clifford L., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Snap fastener. 1,960,556; May 29.

- Snyder, Clifford L., Detroit, Mich., assignor, by mesne assignments, to The Worth Company. Automobile shipping car. 1,969,434; Aug. 7.
- Snyder, Clifford L., and W. G. Webb, assignors to National Wood Products Co., Detroit, Mich. Floor expansion joint. 1,977,496; Oct. 16.
- Snyder, Clyde E., Toledo, Ohio. Individual vaporizer appliance. 1,973,021; Sept. 11.
- Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Coil winding machine. 1,944,581; Jan. 23.
- Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Mandrel. 1,944,582; Jan. 23.
- Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Coil taping machine. 1,946,717; Feb. 13.
- Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Unwinding device. 1,956,631; May 1.
- Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Coil winding machine. 1,956,632; May 1.
- Snyder, Edward, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Apparatus for winding coils. 1,969,530; Aug. 7.
- Snyder, Edward, and G. W. Kierspe, Fort Wayne, Ind., assignors to General Cable Corporation, New York, N. Y. Tensioning device. 1,954,499; Apr. 10.
- Snyder, Eugene L., Canton, Ohio. Heater cabinet. Des. 93,948; Nov. 27.
- Snyder, Ferdinand L., Wilmington, Del., assignor to Tube-Turns, Incorporated, Louisville, Ky. Pipe fitting. 1,960,557; May 29.
- Snyder, Francis H., assignor to F. H. Snyder, Inc., New York, N. Y. Purification of bast fibers. 1,983,008; Dec. 4.
- Snyder, Francis H., Inc. (See Snyder, Francis H., assignor.)
- Snyder, George C., Long Island City, N. Y., assignor to The Guardian Trust Company, Cleveland, Ohio. Fabricated board. 1,944,280; Jan. 23.
- Snyder, George C., Elmhurst, N. Y., assignor to The Guardian Trust Company, Cleveland, Ohio. Laminated board and making the same. 1,944,282; Jan. 23.
- Snyder, George H., Glenside, and A. G., Chestnut Hill, Pa. Cardboard box. Re19,081; Feb. 13.
- Snyder, George H., Glenside, and A. G., Chestnut Hill, Pa. Box making. 1,970,580; Aug. 21.
- Snyder, George H., Glenside, and A. G., Chestnut Hill, Pa. Box making machine. 1,970,581; Aug. 21.
- Snyder, George H., Glenside, and A. G., Chestnut Hill, Pa. Box making. 1,970,582; Aug. 21.
- Snyder, Gustavus W. (See Macoureck, Jerry F., assignor.)
- Snyder, Harry D., New York, N. Y. Paper fastener. 1,962,726; June 12.
- Snyder, Harry D., New York, N. Y. Paper fastener. 1,962,727; June 12.
- Snyder, Harry D., New York, N. Y. Punch. 1,968,322; July 31.
- Snyder, Harry L., Los Angeles, Calif. Folding bracket. 1,984,602; Dec. 18.
- Snyder, Helen I., Chicago, Ill. Hat stand. Des. 93,054; Aug. 14.
- Snyder, Helen I., Chicago, Ill., assignor to Albert B. Colingbourne, Elgin, Ill. Pot holder. Des. 92,044; Apr. 17.
- Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Washing machine. 1,973,230; Sept. 11.
- Snyder, Howard O., Lima, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Animated track diagram for railway systems. 1,942,154; Jan. 2.
- Snyder, James E., Kenmore, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Applying labels. 1,957,478; May 8.
- Snyder, John L., assignor to Standard Churn Co., Wapakoneta, Ohio. Dry cleaning machine. 1,975,982; Oct. 9.
- Snyder, Joseph A. (See Gagné, A. L., and Snyder.)
- Snyder, Louis, Philadelphia, Pa. Automatic doughnut cooking machine. 1,961,532; June 5.
- Snyder, Louis M., Brooklyn, N. Y., assignor, by mesne assignments, to George Schorling, Woodridge, N. J. Making manifold paper webs. 1,943,264; Jan. 9.
- Snyder, Oscar L., Marysville, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. Internal-combustion engine. 1,953,198; Apr. 3.
- Snyder, Oscar L., Marysville, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company, Detroit, Mich. Reduction drive for engines. 1,953,199; Apr. 3.
- Snyder, Robert E., Pasadena, assignor of one-half to F. L. Harter, Los Angeles, Calif. Mortician's lamp. 1,981,375; Nov. 20.
- Snyder, Robert W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Manufacture of rubber tubes. 1,956,050; Apr. 24.
- Snyder, Robert W., and J. I. Haase, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Combination product. 1,952,469; Mar. 27.
- Snyder, Rudolph M. (See Tranin, S., and Snyder.)
- Snyder, Samuel E., Brooklyn, N. Y. Window shade. 1,948,432; Feb. 20.
- Snyder, Sidney P. (See Mutchler, A. W., and Snyder.)
- Snyder, Thomas A., Milwaukee, Wis. Endless tread belt link. 1,947,883; Feb. 20.
- Snyder, William G., Jr., Jackson, Calif. Time switch. 1,977,296; Oct. 16.
- Snyder, Willoughby E., Allentown, Pa. Making cement. 1,948,433; Feb. 20.
- Sobel, Joseph, assignor to Thrubond Flashing Corporation, New York, N. Y. Interlocking flashing. 1,975,874; Oct. 9.
- Sobie, Julius, L. Kaufman and S. Graff, New York, N. Y. Textile fabric trimming. Des. 91,849; Mar. 27.
- Sobieralski, Anton J., Detroit, Mich. Boat and carrier. 1,948,831; Feb. 27.
- Sobolewski, Edward, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated. Truing apparatus. 1,954,771; Apr. 10.
- Socaso Ltd. (See Sonnenfeld, Hugo, assignor.)
- Sochel, George Y., Asbury Park, N. J., assignor to Steiner Liberty Corporation, Baltimore, Md. Pajama garment. 1,951,450; Mar. 20.
- Sochor, Franz, Vienna, Austria, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of sound films. 1,966,873; July 17.
- Società Anonima Arturo Junghans Fabbrica d'Orlogeria. (See Junghans, Helmut, assignor.)
- Società Anonima Industria Ammoniaci. (See Lopez, Francesco, assignor.)
- Società Italiana Ernesto Breda per Costruzioni Meccaniche. (See Mazzini, Franco, assignor.)
- Società Italiana Pirelli. (See Emanuelli, Luigi, assignor.)
- Società Italiana Pirelli. (See Faldini, Mario, assignor.)
- Società Italiana Pirelli. (See Spagnolo, Sesto, assignor.)
- Società Italiana Pirelli. (See Vidale, Giuseppe, assignor.)
- Société A. R. L. Metra. (See Planskoy, Leonti, assignor.)
- Société à Responsabilité Limitée Carburateur Nutrix. (See le Breton, Léon, assignor.)
- Société à Responsabilité Limitée Etablissements Rotatifs. (See Séry, Claude, assignor.)
- Société Alsacienne de Constructions Mécaniques. (See Dolder, Henri, assignor.)
- Société Alsacienne de Constructions Mécaniques. (See Ehlinger, Marcel, assignor.)
- Société Alsacienne de Constructions Mécaniques. (See Loutz, Camille, assignor.)
- Société Anonyme Adolphe Saurer. (See Ghilardi, Hans, assignor.)
- Société Anonyme Adolphe Saurer. (See Lässker, Jean, assignor.)
- Société Anonyme d'Angleur-Athus. (See de Rossius d'Humain, Fernand.)
- Société Anonyme de Conservation Industrielle du Pison. (See Reeh, Joannes E. W., assignor.)
- Société Anonyme de Construction de Matériel Automobile S. A. C. M. A. (See Mennesson, Marcel, assignor.)
- Société Anonyme des Ateliers Brillie Freres. (See Battegay, Constant, assignor.)
- Société Anonyme des Ateliers d'Aviation Louis Breguet. (See Bréguet, Louis, assignor.)
- Société Anonyme des Ateliers de Secheron. (See Wörmann, Franz, assignor.)
- Société Anonyme des Brevets Leon. (See Léon, Gabriel, assignor.)
- Société Anonyme des Etablissements Cuttat. (See Cuttat, Georges, assignor.)
- Société Anonyme des Hauts-Fourneaux et Fonderies de Pont-a-Mousson. (See Reboul, R. C., and Boissou, assignors.)
- Société Anonyme des Hauts-Fourneaux, Forges & Acieries de Pompey. (See Fould, Maurice P., assignor.)
- Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Arault, Jules, assignor.)
- Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Boudin, Louis, assignor.)
- Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Chan, André D. H., assignor.)
- Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See George, H., and Delpech, assignors.)
- Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Long, Bernard, assignor.)
- Société Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis. (See Lantz, Robert, assignor.)
- Société Anonyme d'Etudes et de Constructions d'Appareils Mécaniques pour la Verrerie. (See Roirant, Emile, assignor.)
- Société Anonyme Etablissements et Laboratoires Georges Truffaut. (See Truffaut, G., and Pastak, assignors.)
- Société Anonyme: Fours et Appareils Stein. (See Stein, Charles M., assignor.)
- Société Anonyme Française dite: Société des Brevets Berthelémy de Montby. (See Berthelémy, P., de Montby, and Pouvreau, assignors.)
- Société Anonyme Française dite: Société Nouvelle de Constructions Téléphoniques (Brevets Tchou-Britch-Dervail). (See Tchou-Britch, Michel, assignor.)
- Société Anonyme le Carbone. (See Gindre, Eugène, assignor.)
- Société Anonyme le Carbone. (See Oppenheim, René, assignor.)
- Société Anonyme le Carbone. (See Portail, Fernand C. F., assignor.)
- Société Anonyme "Les Ateliers Metallurgiques Réunis". (See Anseele, E., and De Moor, assignors.)

- Société Anonyme Nouvelle Société de Construction, late Schlumberger & Cie. (See Laché, Augustin, assignor.)
 Société Anonyme pour tous Appareillages Mécaniques. (See Saussard, Louis, assignor.)
 Société Anonyme: Société des Freins Hydrauliques S. de Lavaud. (See Brisson, Louis C., assignor.)
 Société Anonyme "Solex". (See Goudard, Maurice, assignor.)
 Société Anonyme Trefileries & Laminaires du Havre. (See Drouilly, Eugène, assignor.)
 Société Anonyme: Usines De Melle. (See Guinot, Henri M., assignor.)
 Société Anonyme: Usines de Melle. (See Ricard, E., and Guinot, assignors.)
 Société Ateliers de Constructions Electriques de Delle. (See Clerc, André, assignor.)
 Société Belge du Caoutchouc Mousse. (See Raepsaet, Maurice P. H. L., assignor.)
 Société Chimique de la Grande Paroisse Azote et Produits Chimiques. (See Remy-Neris, Jean P. L., assignor.)
 Société de Construction Mécanique de Vierzon, (anciens Etablissements Brouhot & Cie). (See Moureaux, René, assignor.)
 Société de l'Avertisseur Téléphonique Automatique. (See Tuscher, J. E., and Spiro, assignors.)
 Société d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Bornhauser, Oscar, assignor.)
 Société de Paris et du Rhone. (See Bethenod, Joseph, assignor.)
 Société de Produits Chimiques des Terres Rares. (See Obiedoff, Vladimir, assignor.)
 Société de Prospection Electrique, Procédés Schlumberger. (See Schlumberger, Conrad, assignor.)
 Société des Agrafes Françaises (Société Anonyme). (See Brémont, André, assignor.)
 Société des Appareils à Timbrer et à Affranchir Systeme Sanglier. (See Sanglier, Armand, R. and H., assignors.)
 Société des Freins Houplain. (See Houplain, Georges, assignor.)
 Société des Schistes et Petroles de Franche Comte. (See Petit, René, assignor.)
 Société des Usines Chimiques Rhone-Poulenc. (See Gallay, Claude H., assignor.)
 Société des Usines Chimiques Rhone-Poulenc. (See Gault, H., and Angla, assignors.)
 Société des Usines Chimiques Rhone-Poulenc. (See Grillet, Nicolas B., assignor.)
 Société d'Etude de Distributeurs Automatiques S. E. D. A. (See Tribut, Lucien, assignor.)
 Société d'Etudes Chimiques Appliquées "S. E. C. A." (See Hugel, G., Paul, and Boistel, assignors.)
 Société d'Etudes d'Exploitation du Generateur à Piston Libre. (See Brun, Georges J. P. J., assignor.)
 Société d'Etudes Scientifiques et d'Entreprises Industrielles. (See Miteau, Ferdinand, assignor.)
 Société d'Exploitation de Brevets pour l'Industrie l'Aviation et l'Automobiles (S. E. B. I. A.). (See Dugelay, Paul, assignor.)
 Société d'Exploitation des Brevets Lecocq & Tissier. (See Tissier, Guy A., assignor.)
 Société dite Mee Dequeker & Cie. (See Dequeker, Maurice, assignor.)
 Société du Carburateur Bleriot. (See Schimanek, Emil, assignor.)
 Société E. & M. Lamort Fils. (See Lamort, Ernest, assignor.)
 Société Française de Construction de Benne Automatiques. (See Allard, Pierre J.-M., assignor.)
 Société Française de Construction de Benne Automatiques. (See Allard, Pierre J. M. T., assignor.)
 Société Generale des Carburateurs Zenith. (See Viel, Louis L., assignor.)
 Société Genevoise d'Instruments de Physique. (See Turrettini, Fernand, assignor.)
 Société Independante de Telegraphie Sans Fil. (See Butez, P., and Contant, assignors.)
 Société Indo-Chinoise Forestiere et des Allumettes. (See Mange, Frédéric, assignor.)
 Société Industrielle des Procédés, W. A. Loth. (See Loth, William A., assignor.)
 Société Industrielle des Procédés W. A. Loth. (See Loth, William Arthur, assignor.)
 Société Industrielle et Agricole de la Somme. (See Wuidart, Paul, assignor.)
 Société Lumiere. (See Raguin, Georges A., assignor.)
 Société "Nouvelle Société de Construction, ci-devant" N. Schlumberger & Cie. (See Schlumberger, Robert, assignor.)
 Société pour l'Exploitation des Brevets A. G. I. (See Joannides, Alexandre G., assignor.)
 Société pour l'Exploitation des Brevets Gadoux. (See MacPherson, Earle S., assignor.)
 Société Provia. (See Ignace, Lionel, assignor.)
 Société S. E. P. (See Gilot, Emile A., assignor.)
 Société Satralux. (See Sapiro, Gaetan, assignor.)
 Société Technique d'Optique et de Photographie. (See Chrétien, Henri, assignor.)
 Society of Chemical Industry in Basle. (See Albrecht, Otto, assignor.)
 Society of Chemical Industry in Basle. (See Askenasy, P., Rossetti, and Tausz, assignors.)
 Society of Chemical Industry in Basle. (See Bonhôte, G., and Apotheker, assignors.)
 Society of Chemical Industry in Basle. (See Bonhôte, G., and Schmid, assignors.)
 Society of Chemical Industry in Basle. (See Crossmann, Paul, assignor.)
 Society of Chemical Industry in Basle. (See Felix, Friedrich, assignor.)
 Society of Chemical Industry in Basle. (See Felix, F., and Huber, assignors.)
 Society of Chemical Industry in Basle. (See Felix, F., and Scheidegger, assignors.)
 Society of Chemical Industry in Basle. (See Gofferje, Emil, assignor.)
 Society of Chemical Industry in Basle. (See Graenacher, Charles, assignor.)
 Society of Chemical Industry in Basle. (See Grossmann, Paul, assignor.)
 Society of Chemical Industry in Basle. (See Haller, Robert, assignor.)
 Society of Chemical Industry in Basle. (See Hartmann, M., and Isler, assignors.)
 Society of Chemical Industry in Basle. (See Hartmann, M., and Kagi, assignors.)
 Society of Chemical Industry in Basle. (See Hauser, H., and Bommer, assignors.)
 Society of Chemical Industry in Basle. (See Landolt, Albert, assignor.)
 Society of Chemical Industry in Basle. (See Misslin, E. D., and von Capeller, assignors.)
 Society of Chemical Industry in Basle. (See Müller, J., and Stocker, assignors.)
 Society of Chemical Industry in Basle. (See Sievenburger, Hugo, assignor.)
 Society of Chemical Industry in Basle. (See Straub, F., and Mayer, assignors.)
 Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
 Society of Chemical Industry in Basle. (See Straub, F., and Widmer, assignors.)
 Society of Chemical Industry in Basle. (See Winkler, Rudolf, assignor.)
 Society of Chemical Industry in Basle, The firm. (See Bonhôte, Gerald, assignor.)
 Society said Arthel. (Société d'Exploitation des brevets Jacques Arthuys). (See Arthuys, J. M., and Bayle, assignors.)
 Society "Yacco S. A. F." (See Dintilhac, Jean G., assignor.)
 Socoloff, Eli, and J. J. Kaufman, Atlanta, Ga. Collapsible tube. 1,941,631; Jan. 2.
 Socony-Vacuum Corporation. (See Browe, Raymond C., assignor.)
 Socony-Vacuum Corporation. (See Rather, J. B., Beard, Jr., and Reiff, assignors.)
 Socony-Vacuum Corporation. (See Rather, J. B., Reiff, and Beard, Jr., assignors.)
 Socony-Vacuum Corporation. (See Sherman, William T., assignor.)
 Socony-Vacuum Corporation. (See Tarte, C. E., and Mellett, assignors.)
 Socony-Vacuum Corporation. (See Young, Marvin S., assignor.)
 Socony-Vacuum Corporation. (See Young, M. S., and Novick, assignors.)
 Socony-Vacuum Oil Company. (See Ellis, Clifford A., assignor.)
 Socony-Vacuum Oil Company. (See Schott, William P., assignor.)
 Sodastream Limited. (See Hucks, William, assignor.)
 Soden, Fred H., assignor to Continental Optical Company, Inc., Rochester, N. Y. Bridge for eyeglasses. Des. 94,168; Dec. 25.
 Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass surfacing table. 1,973,733; Sept. 18.
 Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass surfacing table. 1,983,009; Dec. 4.
 Soderberg, Karl, New Port Richey, Fla. Novelty lock box. 1,944,722; Jan. 23.
 Soderlind, Roy, Ottawa, Ontario, Canada. Gas burner. 1,946,365; Feb. 6.
 Soelberg, Jens M. F., Oslo, Norway. Generating gaseous fuels. 1,974,125; Sept. 18.
 Soeller, Jacob H., Brooklyn, N. Y. Holder for collapsible tubes or similar articles. Des. 91,689; Mar. 6.
 Sofield, William J., Berkeley, Calif. Screw holder device. 1,945,829; Feb. 6.
 Sogni, Joseph. (See Piscetta, Frederic, assignor.)
 Sohl, Ralph W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Pneumatic tire and making same. 1,966,397; July 10.
 Sohn, Erwin, Louisville, Ky., and E. D. Meanor, Sewickley, Pa., assignors to Standard Sanitary Mfg. Co., Louisville, Ky. Chromium plating bath and making same. 1,967,789; July 24.
 Sokolachko, Paul, et al. (See Kreitz, Forrest M., assignor.)
 Sokolow, Samuel, North Bergen, and J. E. Preston, Newark, N. J., assignors to F. & C. Manufacturing Company, Inc. Machine and process for folding towels, and the like. 1,960,682; May 29.
 Sola Corporation. (See Fischer, J. R., and Sola.)
 Sola, Joseph G. (See Fischer, J. R., and Sola.)
 Solar Industries, Inc. (See Ballentine, Earle W., assignor.)
 Solar-Sturges Mfg. Co. (See Wynne, R. J., and Mayer, assignors.)

- Soldan, Otto. (See Weeber, O., and Soldan.)
- Soldatoff, Vassily V., New York, N. Y. Agitating and heating device for steel melting processes. 1,949,731; Mar. 6.
- Soldatoff, Vassily V., New York, N. Y. Making steel. 1,968,917; Aug. 7.
- Solenberger, Dean M., Cleveland, Ohio. Valve stem sealing device. 1,952,339; Mar. 27.
- Soley, William G. (See Benner, R. C., and Soley.)
- Sollinger, Leo, assignor to Eagle Pencil Company, New York, N. Y. Combined bookmark and lead pencil. 1,974,667; Sept. 25.
- Söll, Julius, Frankfort-on-the-Main Schwanheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing 1,1,2 trichloroethane. 1,944,806; Jan. 23.
- Sollar, Max, assignor to B. Jacobs, Brooklyn, N. Y. Circuit maker and breaker. 1,942,309; Jan. 2.
- Soller, Arnold, assignor to The Hays Corporation, Michigan City, Ind. Instrument mounting. 1,967,483; July 24.
- Sollich, Robert, Rostock, Mecklenburg, Germany. Apparatus for boiling viscous solutions. 1,975,560; Oct. 2.
- Sollie, Sigurd A., Burlingame, Calif., assignor to Federal Telegraph Company, Newark, N. J. Electrical pick-up. 1,944,583; Jan. 23.
- Sollie, Sigurd A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Sound reproducer. 1,948,361; Feb. 20.
- Solodard, David, Ephrata, Pa. Advertising device. 1,975,592; Oct. 2.
- Solomon, Charles. (See Renwick, A. E., and Solomon.)
- Solomon, Morris B., New York, N. Y. Cocktail mixer. Des. 92,629; June 26.
- Solomon, Morris B., New York, N. Y. Beverage shaker. 1,954,369; Apr. 10.
- Solomon, Morris B., New York, N. Y. Beverage cooling device. 1,954,370; Apr. 10.
- Solomon, Morris B., New York, N. Y. Container for shaving accessories. 1,981,674; Nov. 20.
- Solomon, Nathan L., Brooklyn, N. Y. Hair curling device. 1,977,152; Oct. 16.
- Solomon, Nathan L., Brooklyn, N. Y. Curl presser. 1,982,767; Dec. 4.
- Solomon, Nathan L., Brooklyn, N. Y. Wave presser. 1,985,431; Dec. 25.
- Solomon, Saidor. (See Roman, Max, and J., assignors.)
- Soltys, Joseph, Cicero, Ill. Cigarette box. 1,971,203; Aug. 21.
- Solvay Process Company, The. (See Mohler, D. D., and Henderson, assignors.)
- Solvay Process Company, The. (See Sundstrom, Carl, assignor.)
- Solvay Process Company, The. (See Tracy, Lyndon S., assignor.)
- Somers, Graham G., Flint, Mich. Tester for high frequency oscillating current. 1,951,218; Mar. 13.
- Somers, Graham G., assignor to C. V. S. Manufacturing Company, Flint, Mich. Oil cleaner. 1,972,057; Aug. 28.
- Somers, Lewis S. (See Yergler, W. S., and Somers.)
- Somervell, Somervell B., Buffalo, N. Y. Vehicle light. 1,949,551; Mar. 6.
- Somerville, David J. (See Codney, A. O., and Somerville.)
- Somerville, Ian C., and H. R. Raterink, assignors to Kohn & Haas Company, Philadelphia, Pa. Tanning material and preparing it. 1,951,564; Mar. 20.
- Somerville Paper Boxes Limited. (See Crich, Oliver G., assignor.)
- Somerville, William E., Coal City, Ill. Forming and breaking head for wire rope stranders and closers. 1,942,670; Jan. 9.
- Somerville, William E., Coal City, Ill. Wire rope and cable making machine. 1,981,083; Nov. 20.
- Somerwine, Charles W., Huntington, Ind. Display rack. 1,954,601; Apr. 10.
- Sommer, Albert, Dresden, Germany, assignor to T. R. C. Corporation, Wilmington, Del. Manufacturing pulverulent hydraulic binding agents containing bituminous components. 1,975,485; Oct. 2.
- Sommer, Ernst, Aue, Germany. Work supporting and guarding means. 1,942,128; Jan. 2.
- Sommer, J. L., Manufacturing Company. (See Harding, Thomas, assignor.)
- Sommer, Josef, Dusseldorf, Germany. Melting and esterifying apparatus. 1,960,855; May 29.
- Sommer, Kurt W., and P. Maca, assignors to Sommer and Maca Glass Machinery Corporation, Chicago, Ill. Glass machine. 1,950,753; Mar. 13.
- Sommer, Leo, Montreal, Quebec, Canada. Radio audible signals. 1,978,286; Oct. 23.
- Sommer, William B., St. Paul, Minn. Exhaust device for internal combustion engines. 1,984,707; Dec. 18.
- Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The National City Bank of Cleveland, Cleveland, Ohio, and J. A. Chapman, trustees. Metallic fence post. 1,965,994; July 10.
- Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The National City Bank of Cleveland, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustees. Article of manufacture. 1,965,993; July 10.
- Sommer, Woldemar S., West Brighton, N. Y. Combination chair and stepladder. 1,945,445; Jan. 30.
- Sommerfeld, Ernst, Berlin-Neutempelhof, and W. Stäblein, Berlin-Hermsdorf, Germany, assignors to General Electric Company. Telemetric device. 1,968,224; July 10.
- Sommerfeldt, Paul J., Manistee, Mich. Power mowing machine. 1,957,620; May 8.
- Sommermeier, August, Berlin-Wittenau, assignor to firm Rud. A. Hartmann A.-G., Berlin, Germany. Apparatus for supplying the material to be treated into boilers under pressure. 1,951,535; Mar. 20.
- Sommers Brothers Appliance Company. (See Roberts, Amasa C., assignor.)
- Sommers, Elwin M., assignor to The Tablet & Ticket Company, Chicago, Ill. Sectional directory. 1,970,822; Aug. 21.
- Sommers, Frank X., assignor to Neal-Sommers Corporation, Detroit, Mich. Ice cream machine. 1,976,894; Oct. 16.
- Sommers and Maca Glass Machinery Corporation. (See Sommer, K. W., and Maca, assignors.)
- Sommerville, Robert L., Philadelphia, Pa. Storage battery container. Des. 93,362; Sept. 18.
- Sommerville, Robert L., Philadelphia, Pa. Storage battery container. Des. 93,363; Sept. 18.
- Somogyi, Andrew, assignor to Magyar Rugsyantaárugyar Részvénytársaság, Budapest, Hungary. Production of rubber toys. 1,974,548; Sept. 25.
- Sone, Harold T., Mayfield, Ark. Adjustable clevis connector for plows. 1,969,629; Aug. 7.
- Sondeno, Elmer O., Lebo, Monn. Hay-retaining finger for stacker teeth. 1,882,147; Nov. 27.
- Soneson, W. P. (See Gray, Adam A., assignor.)
- Sonnberger, Heinrich, assignor to firm Carl Zeiss, Jena, Germany. Control device for following mechanisms. 1,968,266; July 31.
- Sonneborn, L., Sons, Inc. (See Liberthson, Leo, assignor.)
- Sonnefeld, August, assignor to firm Carl Zeiss, Jena, Germany. Biprism for spectroscopes. 1,961,601; June 5.
- Sonnek, P. Frank. (See Roberts, Sally P., assignor.)
- Sonnemann, William K., Dallas, Tex., assignor to Westinghouse Electric & Manufacturing Company. Synchronizing system. 1,976,523; Oct. 9.
- Sonnenfeld, Eugene, Paris, France. Manufacture of moistureproof opaque or transparent paper. 1,964,862; July 3.
- Sonnenfeld, Hugo, Bratislava, Czechoslovakia, assignor to Socaso Ltd., St. Gallen, Switzerland. Cable manufacture. 1,970,778; Aug. 21.
- Sonner, Carl J., Ozone Park, N. Y. Mixing faucet. 1,967,909; July 24.
- Sonner, Philip J., Winfield, Kans. Gas burner. 1,953,367; Apr. 3.
- Sonner, Philip J., Winfield, Kans. Gas burner and assembly therefor. 1,983,644; Dec. 11.
- Sonnet, Elizabeth G., New York, N. Y. Waist and attaching means therefor. 1,966,398; July 10.
- Sonnett, William A., Cincinnati, Ohio. Valve. 1,951,565; Mar. 20.
- Sonntag, Xaver, Reute, near Waldsee, Germany. Machine for beading over sheet metal flanges. 1,976,148; Oct. 9.
- Sonoco Products Company. (See Dunlap, Charles K., assignor.)
- Sonoco Products Company. (See Kennedy, Gibson H., assignor.)
- Sonoco Products Company. (See Stogner, Lawrence B., sr., assignor.)
- Sonoda, Soshichi, Itabitsu, Kokura, Japan. Thread gauge. 1,961,647; June 5.
- Sonotone Corporation. (See Greibach, Emil H., assignor.)
- Sontag, Lothar. (See Norton, A. J., and Sontag.)
- Soper, Henry F., Montclair, N. J., and E. P. Sparks, Oakland, Calif., assignors to L. E. Waterman Company, New York, N. Y. Liquid container and housing. 1,957,677; May 8.
- Sorbo Limited. (See Davies, B. S., and Wrigley, assignors.)
- Soref, Harry E., Milwaukee, Wis. Advertising sign. Des. 91,973; Apr. 10.
- Soreng, Edgar M. (See Rose, H., and Soreng.)
- Soreng, Edgar M., assignor to The Soreng-Manegold Company, Chicago, Ill. Rheostat. 1,967,519; July 24.
- Soreng, Edgar M., assignor of one-half to Vidrio Products Corporation and one-half to Soreng-Manegold Co., Chicago, Ill. Electric lighter. 1,971,585; Aug. 28.
- Soreng, Edgar M., assignor of one-half to Vidrio Products Corporation, and one-half to Soreng-Manegold Co., Chicago, Ill. Electric lighter. 1,983,645; Dec. 11.
- Soreng-Manegold Company. (See Rose, H., and Soreng, assignor.)
- Soreng-Manegold Company, The. (See Soreng, Edgar M., assignor.)
- Soreng-Manegold Co. et al. (See Soreng, Edgar M., assignor.)
- Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric control system. 1,960,398; May 29.
- Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric control system. 1,968,968; Aug. 7.
- Sorensen, Carl H., assignor to Rhodes Metallic Packing Company, Detroit, Mich. Packing. 1,946,552; Feb. 13.

- Sorensen, Charles E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Overrunning clutch. 1,955,475; Apr. 17.
- Sorensen, John, Weehawken, N. J. Brake system for automotive vehicles. 1,953,057; Mar. 27.
- Sorensen, Royal W., assignor to California Institute of Technology, Pasadena, Calif. Electric switching apparatus. 1,972,362; Sept. 4.
- Sorensen, Sam, Houston Tex. Wrench. 1,970,403; Aug. 14.
- Sorenson, Alfred K., assignor to Crane Co., Chicago, Ill. Reversible valve operating mechanism. 1,984,770; Dec. 18.
- Sorenson, James, Fond du Lac, Wis. Occlusal instrument. 1,976,045; Oct. 9.
- Soreny, Ernest, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electrical devices. 1,964,541; June 26.
- Soreny, Ernest, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electrical devices. 1,984,998; Dec. 18.
- Sorescu, Sabin, M. Donath, Prague, and H. Trauschka, Mahr-Ostrau-Witkowitz, Czechoslovakia. Lifting and turning device. 1,953,442; Apr. 3.
- Sorg Paper Company, The. (See Currier, Leslie C., assignor.)
- Sorrel, Victor, assignor to Ugine-Infra, Grenoble, France. Magnetic tuffe or other body and varying the magnetic transformation thereof. 1,975,438; Oct. 2.
- Sorrel, Victor, and L. A. Lafont, assignors to Ugine-Infra, Grenoble, France. Heating by induction and furnace therefor. 1,975,436; Oct. 2.
- Sorrel, Victor J. C., assignor to Ugine-Infra, Grenoble, France. Induction heated furnace. 1,975,437; Oct. 2.
- Sorrow, Walter J., jr., assignor to The Stanley Works, New Britain, Conn. Friction hinge. 1,967,104; July 17.
- Sorum, Herbert A., Shelby, Mont. Tire spreader. 1,954,300; Apr. 10.
- Sosa, Augustus M. (See Klausmeyer, D. C., and Sosa.)
- Sosa, Augustus M. (See Schauer, L. L., and Sosa.)
- Sosa, Augustus M., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Electric arm clamping and elevating mechanism. 1,956,540; Apr. 24.
- Soso, Marko T., Los Angeles, Calif. Finishing, draining, and packing mechanism for centrifugal casting machines. 1,979,415; Nov. 6.
- Sosoka, John. (See Harris, N. C., and Sosoka.)
- Soss, Joseph, Roselle, N. J. Hinge. Re19,345; Oct. 16.
- Soss, Joseph, Roselle, N. J. Link unit for concealed hinges. 1,984,092; Dec. 11.
- Sothen, Albert L., Chicago, Ill. Dancing tap and toe support. 1,967,334; July 24.
- Soubier, Leonard D. (See Benoit, J. P., and Soubier.)
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass furnace. 1,949,380; Feb. 27.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,977,741; Oct. 23.
- Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Glassware forming machine. 1,977,742; Oct. 23.
- Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Method and apparatus for making glass cane. 1,977,956; Oct. 23.
- Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for gathering molten glass. 1,978,032; Oct. 23.
- Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for forming hollow glass articles. 1,981,636; Nov. 20.
- Soubier, Leonard D., Woonsocket, R. I., assignor to Owens-Illinois Glass Company. Making blown glass articles. 1,949,887; Mar. 6.
- Soubier, Leonard D., Woonsocket, R. I., assignor to Owens-Illinois Glass Company. Suction type glass gathering and forming machine. 1,967,377; July 24.
- Soubier, Leonard D., Woonsocket, R. I., assignor to Owens-Illinois Glass Company. Apparatus for flowing and distributing molten glass. 1,967,378; July 24.
- Soubier, Leonard D., Woonsocket, R. I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,976,583; Oct. 9.
- Soubier, Leonard D., Alton, Ill., assignor to Owens-Illinois Glass Company. Machine for blowing glass articles in molds. 1,972,464; Sept. 4.
- Soubier, Leonard D., Alton, Ill., assignor to Owens-Illinois Glass Company. Machine for forming hollow glassware. 1,981,637; Nov. 20.
- Soubier, Leonard D., Woonsocket, R. I., and J. E. Collins, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Glassware forming machine. 1,949,886; Mar. 6.
- Soubier, Leonard D., Toledo, Ohio, and C. W. Schreiber, Alton, Ill., assignors to Owens-Illinois Glass Company. Glassware forming machine. 1,977,743; Oct. 23.
- Soucek, Zeus, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Automatic altitude propeller. 1,972,669; Sept. 4.
- Soukup, Anton, Chicago, Ill. Making inlays. 1,976,969; Oct. 16.
- Soulary, Pierre, Le Perray, assignor to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude, Paris, France. Electrode for arc furnaces. 1,964,832; July 3.
- Soulis, Ralph H. (See Collier, S., and Soulis.)
- Soullié, Clément, Paris, France. Radio signaling. 1,942,884; Jan. 9.
- Sound Laboratory Corporation. (See Rieber, Frank, assignor.)
- Sound Laboratory Corporation, Ltd. (See Metcalf, Herbert E.)
- Soundex Corporation, The. (See Libberton, H., and Piazza, assignors.)
- Soundex Corporation, The. (See Piazza, Louis C., assignor.)
- Souney, Michael T., L. Tozko, and J. Moore, New Britain, Conn. Fire alarm and detector system. 1,953,441; Apr. 3.
- Sousa, Henry, and N. T. Jensen, Oakland, and S. P. Jensen, Alameda, Calif. Machine for forming color cards. 1,962,413; June 12.
- Sousa, Henry, and N. T. Jensen, Oakland, and S. P. Jensen, Alameda, Calif. Automatic color card forming machine. 1,962,414; June 12.
- Sousedik, Josef, Vsetin, Czechoslovakia. Universal induction regulator. 1,951,566; Mar. 20.
- Sousley, Earl E., Upper Darby, Pa. Siphon adapter for bottles. 1,977,328; Oct. 16.
- Souter, George M., Burlingame, Calif. Automatic loader. 1,974,668; Sept. 25.
- Southan, Laurence C., Kensington, near Sydney, Australia. Apparatus for removing skins from onions. 1,984,237; Dec. 11.
- South Bend Bail Company. (See Boehm, George P., assignor.)
- South Bend Bait Company. (See Chapleau, L. A., and Rodgers, assignors.)
- South Bend Bait Company. (See Jordan, Wesley D., assignor.)
- South Bend Current Controller Company. (See Guin, Lester W., assignor.)
- South Bend Tribune, The. (See Harding, Justus W., assignor.)
- Southern Asbestos Company. (See Allwood, A., and Broom, assignors.)
- Southern Asbestos Company. (See Fabel, George S., assignor.)
- Southern Mineral Products Corporation. (See Saklatwalla, B. D., and Dunn, assignors.)
- Southern Mineral Products Corporation. (See Saklatwalla, B. D., Dunn, and Marshall, assignors.)
- Southern Mineral Products Corporation. (See Walker, G. E., Marshall, and Dunn, assignors.)
- Southern Prison Company. (See White, Loyd J., assignor.)
- Southern Spring Bed Company. (See Moeckel, Clarence S., assignor.)
- Southern States Equipment Co. (See Lemmon, George N., assignor.)
- Southern States Equipment Co. (See Lemmon, G. N., and Knowles, assignors.)
- Southern Textile Machine Company. (See De Spain, Thomas H., assignor.)
- Southern Wood Preserving Company. (See White, R. H., jr., and Gillon, assignors.)
- Southgate, George T., Forest Hills Gardens, N. Y. Computing method and device. 1,967,135; July 17.
- Southwell, Levi, Ogden, Utah. Deposit and collection receptacle. 1,957,914; May 8.
- Southwell, Raymond J., New Rochelle, assignor to Welded Fabrics Corporation, New York, N. Y. Making electrically welded wire mesh material. 1,961,991; June 5.
- South West Box Company, et al. (See Shofer, M. R., and Ewers, assignors.)
- South West Box Company, et al. (See Witte, James G., assignor.)
- Southwest Cementing Corporation. (See Pipes, J. E., and Whiting, assignors.)
- Southwest Street Company. (See Clarke, Harry S.)
- Southworth Company. (See Southworth, Edward, assignor.)
- Southworth, Edward, Springfield, assignor to Southworth Company, West Springfield, Mass. Container for typewriter paper. 1,977,779; Oct. 23.
- Soutter, Robert, Jr., Nutley, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electrical apparatus. 1,969,764; Aug. 14.
- Soward, Henry W., assignor to The Wellman Smith Owen Engineering Corporation Limited, London, England. Furnace. 1,953,570; Apr. 3.
- Sowka, Henry A., Chicago, Ill. Fuse plug. 1,973,396; Sept. 11.
- Sowter, Percy F. C. (See Dreyfus, H., Dickie, and Sowter.)
- Space, James A., East Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Air conditioning system. 1,977,248; Oct. 16.
- Spadone, Charles C., Rockville Center, assignor to Spadone Machine Company, Inc., New York, N. Y. Machine for manufacturing hose. 1,942,498; Jan. 9.
- Spadone Machine Company. (See Spadone, Charles C., assignor.)
- Spaeth, Charles, Cleveland, Ohio. Sheet metal container. 1,942,984; Jan. 9.
- Spaeth, Charles, Flushing, N. Y. Electrical discharge device. 1,943,845; Jan. 16.
- Spaeth, Charles, Flushing, assignor to Ne-Arga Corporation, New York, N. Y. Alternating current electrical discharge device. 1,943,846; Jan. 16.

- Spaeth, Charles, Flushing, N. Y., assignor to Ne-Arge Corporation, Jersey City, N. J. Electrical discharge device. 1,943,847; Jan. 16.
- Spaeth, Charles, Flushing, N. Y., assignor to Ne-Arge Corporation, Jersey City, N. J. Electrical discharge device. 1,943,848; Jan. 16.
- Spaeth, Charles, Chicago, Ill., assignor, by mesne assignments, to Old Colony Trust Company. Rectifier. 1,967,910; July 24.
- Spaeth, Charles P., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ignition composition. 1,984,846; Dec. 18.
- Spafford, Allen L., assignor to Wood Conversion Company, Cloquet, Minn. Insulating structure and liner. 1,955,443; Apr. 17.
- Spagliardi, Riccardo, Genova-Cornigliano, Italy. Non-return valve adapted to avoid back-firing in internal combustion engines. 1,953,443; Apr. 3.
- Spagna, Calisto, Wheeler, Ind. Track jack. 1,947,537; Feb. 20.
- Spagnolo, Sesto, assignor to Societa Italiana Pirelli, Milan, Italy. Device for twisting textile filamentary material. 1,983,413; Dec. 4.
- Spahn, August C., assignor to Bernardin Bottle Cap Co., Evansville, Ind. Bottle capping machine. 1,978,095; Oct. 23.
- Spahn, Chester J., assignor of one-half to J. H. Cavitt, Folsom, Calif. Lock washer. 1,982,076; Nov. 27.
- Spahn, Emil, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Induction meter. 1,976,893; Oct. 16.
- Spaide Shirt Company. (See McGowan, Thomas H., assignor.)
- Spalding, A. G., & Bros. (See Aldrich, William T., assignor.)
- Spalding, A. G., & Bros. (See Dickson, John B., assignor.)
- Spalding, A. G., & Bros. (See Rainey, Edward J., assignor.)
- Spalding, A. G., & Bros. (See Reach, Milton B., assignor.)
- Spalding, John D., Los Angeles, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Self-aligning stuffing box and bearing. 1,977,020; Oct. 16.
- Spalding, William A., Newton, Mass. Package. 1,979,714; Nov. 6.
- Spalding, William L., Westfield, N. J., assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Treatment of liquids. 1,948,948; Feb. 27.
- Spalding, William L., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Process and apparatus for the production of sulphur trioxide. 1,970,923; Aug. 21.
- Spaloss, Frank. (See Fuchs, C. A., and Spaloss.)
- Spanbauer, Frank, Medina, N. Y. Red rose. Pl. Pt. 91; Apr. 3.
- Spanel, Abraham N., Rochester, N. Y. Treating device for fabrics. 1,958,647; May 15.
- Spanenberg, Otto C., Rockford, Mich. Universal seat. 1,961,530; June 5.
- Spang, Chalfont & Company. (See Burnish, Howard J., assignor.)
- Spang, Ferdinand J., Butler, Pa. Rotary jar. 1,978,847; Oct. 30.
- Spang, Joseph P., Quincy, Mass. Machine for cubing meat. 1,942,499; Jan. 9.
- Spang, Joseph P., Quincy, Mass. Machine for slitting meat, vegetables, and the like. 1,942,500; Jan. 9.
- Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 1,942,985; Jan. 9.
- Spang, Joseph P., Quincy, Mass. Portable refreshment booth. 1,952,949; Mar. 27.
- Spang, Joseph P., Quincy, Mass. Meat-cubing machine. 1,955,982; Apr. 24.
- Spang, Joseph P., Quincy, Mass. Meat-cubing machine. 1,964,089; June 26.
- Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 1,964,090; June 26.
- Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 1,964,091; June 26.
- Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 1,964,092; June 26.
- Spanenberg, Paul Gut Dummersdorf, near Lubeck, Germany. Production of nutrient salt solutions. 1,950,068; Mar. 6.
- Spanenberg, Paul, Eisleben, Germany. Treating seeds with a nutrient salt solution. 1,950,701; Mar. 13.
- Spangler, Frank, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio selector drive. 1,979,416; Nov. 6.
- Spanjers, Anton R. P. (See Spanjers, Arnold J. and A. R. P.)
- Spanjers, Arnold J. and A. R. P., Minneapolis, Minn. Weather strip for door bottoms. 1,976,970; Oct. 16.
- Spanner, Hans J., Berlin, Germany, and U. Doering, New York, N. Y., assignors, by mesne assignments, to said H. J. Spanner. Lighting device. 1,969,765; Aug. 14.
- Spanner, Johannes J. (See Nickel, A. P. H.-G., and Spanner.)
- Spanopoulos, Ippokrates, St. Louis, Mo. Folding chair. 1,984,238; Dec. 11.
- Sparkes, Harry P. (See Kermode, J. T., Young, and Sparkes.)
- Sparks, Charles F., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Bag-turning apparatus. 1,964,303; June 26.
- Sparks, David E., Chicago, Ill. Triode apparatus. 1,966,910; July 17.
- Sparks, Edgar P. (See Soper, H. F., and Sparks.)
- Sparks, George M., Oakland, Calif. Doorcatch. 1,954,500; Apr. 10.
- Sparks, Joseph W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Asphalt emulsion. 1,956,779; May 1.
- Sparks, Samuel W., Bellevue, assignor of one-third to R. T. Lytle, one-third to L. W. Stoffel, Pittsburgh, and one-third to P. S. McPherson, Bellevue, Pa. Bituminous paint and making the same. 1,945,869; Feb. 6.
- Sparks, Stanley W., assignor to C. H. Bickell, trustee, New York, N. Y. Method of and apparatus for extruding valves and multilapped pipe fittings. 1,946,117; Feb. 6.
- Sparks, William. (See Scofield, T. J., Gregoroff, Billig, and Sparks.)
- Sparks, William J. (See Reichert, J. S., and Sparks.)
- Sparks, William S., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph repeater. 1,969,483; Aug. 7.
- Sparks-Withington Company, The. (See Billig, Fred W., assignor.)
- Sparks-Withington Company, The. (See Kayko, C. J., and Stoll, assignors.)
- Sparks-Withington Company, The. (See Scofield, T. J., Gregoroff, Billig, and Sparks, assignors.)
- Sparling, Eric C., Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Damping error preventing means. 1,971,510; Aug. 28.
- Sparling, Eric C., Garden City, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Course recorder. 1,975,180; Oct. 2.
- Sparling, Frank K., New Bedford, Mass. Fuel oil burner. 1,942,619; Jan. 9.
- Sparrow, Fred E. (See Lundberg, C. C., and Sparring.)
- Sparrow, Albert W., New York, N. Y. Adjustable cuff grip. 1,882,547; Nov. 27.
- Spase, Charles B., Nedrow, assignor to W. C. Lipe Inc., Syracuse, N. Y. Vibration dampener motion transmitting element. 1,957,114; May 1.
- Spase, Charles B., assignor to W. C. Lipe Inc., Syracuse, N. Y. Clutch construction. 1,983,885; Dec. 11.
- Spath, Alois. (See Spath, Herman and A.)
- Spath, Herman and A., Brooklyn, N. Y. Window device. 1,984,660; Dec. 18.
- Späth, Hermann. (See Fuchs, G., and Späth.)
- Spatta, George. (See Mogford, E. C., and Spatta.)
- Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Forming the banjo and frame of a rear axle housing. 1,958,214; May 8.
- Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Forming the banjo and frame of a rear axle housing. 1,958,215; May 8.
- Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Machine for reducing axle housing blanks. 1,962,944; June 12.
- Spaulding Fibre Co. (See Boyle, William E., assignor.)
- Speakman Company. (See Fraser, James, assignor.)
- Speakman Company. (See Simmons, Leo, assignor.)
- Speakman, Edwin A., Narberth, Pa. Timing system. 1,950,273; Mar. 6.
- Spear Box Co. (See Blumenstock, Louis, assignor.)
- Spear, Charles T., St. Paul, Minn. Grave marker. Des. 91,850; Mar. 27.
- Spear, James F. (See Frahm, C. J., and Spear.)
- Spear, Lambert E., Minneapolis, Minn. Packaging commodities. 1,951,567; Mar. 20.
- Spear, Lambert E., assignor to Blue Moon Cheese Products, Inc., Minneapolis, Minn. Apparatus for forming, filling, and closing containers. 1,980,361; Nov. 13.
- Spear, Lawrence Y., New London, assignor to Electric Boat Company, Groton, Conn. Injection engine. 1,945,334; Jan. 30.
- Spear, Leolyn F., Westfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. Re19,176; May 22.
- Spear, Leolyn F., Westfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Automatic draft regulator. 1,959,222; May 15.
- Spear, Ray D., San Leandro, Calif., assignor to Hazel Atlas Glass Company, Wheeling, W. Va. Tumbler. Des. 94,100; Dec. 18.
- Spechler, Abraham, Bronx, N. Y. Finishing bats. 1,974,932; Sept. 25.
- Specht, Harry G., Montclair, assignor to Eastwood Wire Corporation, Belleville, N. J. Lubricated gate valve. 1,980,768; Nov. 13.
- Specht, Hugo, Mannheim, assignor to Holzhydrylyse Aktiengesellschaft, Heidelberg, Germany. Separating dissolved volatile substances from their solvents. 1,977,923; Oct. 23.
- Specht, Reuel B., Akron, Ohio. Skate. 1,975,905; Oct. 9.
- Special Equipment Company. (See Ewald, Mark, assignor.)
- Specialty Automatic Machine Company. (See Bedworth, Arthur H., assignor.)
- Specialty Automatic Machine Co. (See La Bombard, L. E., and Sidebotham, assignors.)
- Specialty Automatic Machine Company. (See Sidebotham, Melvin H., assignor.)
- Specialty Brass Company. (See Namur, Carl, assignor.)
- Specialty Engineering Co. Reg'd. (See Lawson, H. L., and Stampfl.)

- Specialty Insulation Manufacturing Company. (See Bateholts, Clinton, assignor.)
- Specialty Papers Company, The. (See Wilshire, Van Hamm, assignor.)
- Specialty Tool Manufacturers, Inc. (See Gundlach, Severin N., assignor.)
- Specter, Elias et al. (See Drexler, Samuel, assignor.)
- Spector, Saul E. (See Clements, E. G., and Spector.)
- Speed, Francis H., assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Die cleaning device for electric welding machines. 1,971,538; Aug. 28.
- Speedaumat Manufacturing Company. (See Gollwitzer, Walter T., assignor.)
- Speeder Machinery Corporation. (See Ronk, George T., assignor.)
- Speer, Alex., and A. W. Higgins, St. Petersburg, Fla. Brace for the cross arms of poles. 1,963,003; June 12.
- Speer Carbon Company. (See Abbott, Harold W., assignor.)
- Speers, Mary W. F., Washington, D. C. Emblematic pin or similar article. Des. 91,690; Mar. 6.
- Spees, Russell H., Constantine, assignor to Wolverine Carton Company, Wyoming Township, Mich. Carton. 1,983,010; Dec. 4.
- Speidel Chain Co. (See Mueller, Emil, assignor.)
- Speidel Corporation. (See Kohn, Christian F., assignor.)
- Speidel, Willy. (See Andorff, F., and Speidel.)
- Spelden, Eben C., assignor to Isco Chemical Company, Inc., Niagara Falls, N. Y. Method and apparatus for dispensing materials. 1,962,261; June 12.
- Speigel, Michael, et al. (See Baker, Thomas F., assignor.)
- Speik, Frederick A. (See Forbes, G. K., and Speik.)
- Speller, Frank N., Pittsburgh, Pa., assignor to National Tube Company. Treating tubular products. 1,984,771; Dec. 18.
- Spelling, Thomas C., New York, N. Y. Slot machine. 1,975,379; Oct. 2.
- Spellman, Charles B., Collingswood, N. J., assignor to I. P. Morris & De La Vergne, Incorporated. Apparatus for controlling pump and turbine operations. 1,947,808; Feb. 20.
- Spellmeyer, Erwin F., East Orange, N. J. Hydration of glycerides. 1,976,376; Oct. 9.
- Spence, Fred. (See Newton, S., and Spence.)
- Spence, Fred, Sale, and R. S. Bartley, Altringham, assignors to Linotype and Machinery Limited, London, England. Sheet delivery mechanism for printing machines. 1,952,950; Mar. 27.
- Spence, Howard. (See Llewellyn, W. B., and Spence.)
- Spence, Hubert L., East Cleveland, assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Draft gear. 1,942,907; Jan. 9.
- Spence, Hubert L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Lubricating means for wedging surfaces of friction draft gears. 1,955,393; Apr. 17.
- Spence, Hubert L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,964,224; June 26.
- Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Tumbler. Des. 93,296; Sept. 11.
- Spence, James E., Wheeling, W. Va., assignor, by mesne assignments, to Mark W. Allen & Company, Detroit, Mich. Bottle. Des. 94,101; Dec. 18.
- Spence, John L., Jr., assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y. Film safety cut-out for moving picture machines. 1,984,847; Dec. 18.
- Spence, James W., Rockland, Mass. Goodyear welting. 1,966,527; July 17.
- Spence, John L., Jr., assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y. Numbering moving picture films and apparatus therefor. 1,948,319; Feb. 20.
- Spence, John L., Jr., assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y. Film feed mechanism. 1,964,370; June 26.
- Spence, John L., Jr., assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y. Automatically compensating film feeding means for motion picture devices. 1,976,197; Oct. 9.
- Spence, John L., Jr., Brooklyn, assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y. Mount for moving picture cameras. 1,977,153; Oct. 16.
- Spence, John L., Jr., Brooklyn, assignor, by mesne assignments, to The Remac Patents Corporation, New York, N. Y. Camera support. 1,977,154; Oct. 16.
- Spence, John L., Jr., assignor, by mesne assignments, to Remac Patents Corporation, New York, N. Y. Electrical cable connector socket and contacts. 1,978,510; Oct. 30.
- Spence, Peter, & Sons Limited. (See Kirkham, Alfred, assignor.)
- Spence, Peter, & Sons, Limited. (See Llewellyn, W. B., and Spence, assignors.)
- Spencer, Carey F., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of lubricating oil. 1,973,118; Sept. 11.
- Spencer, Carey F., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of lubricating oil. 1,973,119; Sept. 11.
- Spencer, Charles R., assignor to T. F. Johnson, Atlanta, Ga. Sewing and darning machine. 1,955,689; Apr. 17.
- Spencer, Douglas A. (See Murray, H. D., and Spencer.)
- Spencer, Fred G., assignor to Spencer Trailer Company, Augusta, Kans. Fifth wheel. 1,958,723; May 15.
- Spencer, Harold, and F. Davis, Duquoin, Ill. Truing device. 1,971,280; Aug. 21.
- Spencer, Harold F. (See Haines, Stacey A., assignor.)
- Spencer, Herbert, and L. Brown, Albany, Ga., dedicated to the free use of the Public of the United States of America. Device for rearing and capturing insects. 1,974,549; Sept. 25.
- Spencer, James A., Teaneck, N. J., assignor to New York Quotation Company, New York, N. Y. Record strip feeding means. 1,981,876; Nov. 20.
- Spencer, John A., Newton, assignor to The Spencer Thermostat Company, Cambridge, Mass. Valve. 1,942,009; Jan. 2.
- Spencer, John A., Newton, assignor to Spencer Thermostat Company, Cambridge, Mass. Valve. 1,972,169; Sept. 4.
- Spencer, John A., Newton, assignor to The Spencer Thermostat Company, Cambridge, Mass. Valve. 1,972,170; Sept. 4.
- Spencer, John A., assignor to Raytheon Production Corporation, Newton, Mass. Socket. 1,982,077; Nov. 27.
- Spencer, John A., Newton, assignor to The Spencer Thermostat Company, Cambridge, Mass. Safety device for burners and the like. 1,983,822; Dec. 11.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Control. 1,947,884; Feb. 20.
- Spencer, John A., Newtonville, assignor to General Plate Company, Newton, Mass. Temperature control apparatus. 1,952,897; Mar. 27.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Snap-acting device. 1,968,969; Aug. 7.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Relief valve. 1,972,171; Sept. 4.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Snap-acting device. 1,972,172; Sept. 4.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Snap-acting switch. 1,972,363; Sept. 4.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostatic electric switch. 1,972,364; Sept. 4.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostatic control. 1,972,832; Sept. 4.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostatic control. 1,982,078; Nov. 27.
- Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostat. 1,983,823; Dec. 11.
- Spencer Lens Company. (See Ott, Harvey N., assignor.)
- Spencer, Millard C., East Orange, N. J. Self-starting synchronous motor. 1,959,391; May 22.
- Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Television motor. 1,948,546; Feb. 27.
- Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Vaporizer. 1,963,035; June 12.
- Spencer, Percy L., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electron discharge apparatus. 1,955,894; Apr. 24.
- Spencer, Percy L., Medford, assignor to Raytheon Production Corporation, Cambridge, Mass. Vacuum tube. 1,984,816; Dec. 18.
- Spencer, Philip L., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Heddle bar support. 1,971,084; Aug. 21.
- Spencer, Ralph S. (See Jersey, N. E., and Spencer.)
- Spencer, Raymond M., assignor to Columbus Heating and Ventilating Company, Columbus, Ohio. Furnace. 1,974,143; Sept. 18.
- Spencer, Robert C. (See Dowd, J. F., King, and Spencer.)
- Spencer, Roy E., assignor to Dazey Manufacturing Company, Los Angeles, Calif. Flower holder. Des. 92,115; Apr. 24.
- Spencer, Roy E., assignor to Dazey Manufacturing Company, Los Angeles, Calif. Flower holder. Des. 92,433; June 5.
- Spencer, Roy E., assignor to Dazey Manufacturing Company, Los Angeles, Calif. Flower holder. Des. 92,934; July 31.
- Spencer Thermostat Company. (See Spencer, John A., assignor.)
- Spencer Trailer Company. (See Spencer, Fred G., assignor.)
- Spencer Turbine Co., The. (See Smith, Lester C., assignor.)
- Spencer, Victor E. (See Stewart, R., and Spencer.)
- Spencer, Walter, Denver, Colo. Root fence for flower beds and the like. 1,977,021; Oct. 16.

- Spencer, Ward H. (See Van Valkenburg, H. L., and Spencer.)
- Spencer, White & Prentiss, Incorporated. (See Satre, Hilmar E., assignor.)
- Spencerian Pen Company, The. (See Blakeman, Frederick T., assignor.)
- Spencerian Pen Company. (See Smith, Oliver A., assignor.)
- Spendlove, Robert, assignor to Sanford Mills, Sanford, Maine. Pile wire loom stopping mechanism. 1,961,400; June 5.
- Spengler, Johann P., Ostswine (Wollin), near Swinemunde, Germany. Continuously operating sliding press provided with a rectilinearly reciprocating press table guided in the carriage. 1,975,983; Oct. 9.
- Spengler, William, Brooklyn, N. Y. Safety device. 1,952,293; Mar. 27.
- Speno, Frank, Ithaca, N. Y. Ballast cleaning machine. 1,951,451; Mar. 20.
- Speno, Frank, Ithaca, N. Y. Ballast cleaning machine. 1,953,979; Apr. 10.
- Sperisen, Francis J., San Francisco, Calif. Eyecup. 1,943,349; Jan. 16.
- Sperling, Frank M., Bristol, Pa. Copyholder. 1,980,300; Nov. 13.
- Spero, Bernard, assignor to Belgard-Spero, Inc., Chicago, Ill. Lens clip. Des. 92,213; May 8.
- Spero, David L., assignor of one-fourth to J. Obriotti, San Antonio, Tex. Automobile clutch pedal lock. 1,974,198; Sept. 18.
- Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Gas purification. 1,942,072; Jan. 2.
- Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Sealing medium for gas holders. 1,961,254; June 5.
- Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Gas purification. 1,961,255; June 5.
- Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Manufacturing fertilizers. 1,968,323; July 31.
- Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Quenching hot coke. 1,973,913; Sept. 18.
- Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. By-product ammonia recovery method. 1,980,010; Nov. 6.
- Sperr, Frederick W., jr., Phoenix, Ariz., assignor to The Koppers Company of Delaware. Production of ammonia compounds. 1,983,320; Dec. 4.
- Sperr, William G. (See Westin, C. J., and Sperry.)
- Sperry Development Company. (See Sperry, Elmer A., assignor.)
- Sperry, Edward G., executor. (See Sperry, Elmer A.)
- Sperry, Elmer A., by E. G. Sperry, executor, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector for electrical conductors. 1,944,954; Jan. 30.
- Sperry, Elmer A., jr. (See Bassett, P., and Sperry.)
- Sperry, Elmer A., jr., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Bore-hole position indicator. 1,959,141; May 15.
- Sperry, Elmer A., deceased; E. G. Sperry, executor, assignor to Sperry Development Company, Brooklyn, N. Y. Wakeless torpedo. 1,973,545; Sept. 11.
- Sperry, Elmer A., jr., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Direction indicator. 1,974,220; Sept. 18.
- Sperry, Elmer A., deceased, by E. G. Sperry, executor, Brooklyn, N. Y., assignor to Sperry Products, Inc. Track recorder system. 1,980,706; Nov. 13.
- Sperry, Elmer A., jr., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro pilot for aircraft. 1,982,702; Dec. 4.
- Sperry Gyroscope Company. (See Bassett, Preston R., assignor.)
- Sperry Gyroscope Company. (See Bassett, P., and Sperry, assignors.)
- Sperry Gyroscope Company. (See Carlson, B., and Thompson, assignors.)
- Sperry Gyroscope Company. (See Hodgman, Frederick S., assignor.)
- Sperry Gyroscope Company. (See Malkovsky, Louis, assignor.)
- Sperry Gyroscope Company. (See Rawlings, Arthur L., assignor.)
- Sperry Gyroscope Company. (See Sperry, Elmer A., jr., assignor.)
- Sperry Gyroscope Company. (See Walter, Hollis, assignor.)
- Sperry Gyroscope Company, Inc. (See Wilson, William P., assignor.)
- Sperry Gyroscope Company. (See Wittkuhn, Bruno A., assignor.)
- Sperry Gyroscope Company. (See Zand, Stephen J., assignor.)
- Sperry Gyroscope Company, Inc. (See Bates, Mortimer F., assignor.)
- Sperry Gyroscope Company, Inc. (See Carlson, Bert G., assignor.)
- Sperry Gyroscope Company, Inc. (See Gillmor, R. E., and Wittkuhn, assignors.)
- Sperry Gyroscope Company, Inc. (See House, Frank R., assignor.)
- Sperry Gyroscope Company Inc. (See Sparling, Eric C., assignor.)
- Sperry Gyroscope Company, Inc. (See Wittkuhn, B. A., and Watkins, assignors.)
- Sperry, John H., Jamaica Plain, Mass. Typewriter platen. 1,977,531; Oct. 16.
- Sperry, Leonard B., Western Springs, and J. L. Yarian, Chicago, Ill., assignors to International Harvester Company. Thermostat. 1,952,516; Mar. 27.
- Sperry Products, Inc. (See Braddon, F. D., and Shepard, assignors.)
- Sperry Products, Inc. (See Braddon, Fred D., assignor.)
- Sperry Products, Inc. (See Carter, Leslie F., assignor.)
- Sperry Products, Inc. (See De Lanty, L. J., and Perry, assignors.)
- Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
- Sperry Products, Inc. (See Drake, H. C., and De Lanty, Jr., assignors.)
- Sperry Products, Inc. (See Perry, Walter M., assignor.)
- Sperry Products, Inc. (See Perry, W. M., and De Lanty, assignors.)
- Sperry Products, Inc. (See Sperry, Elmer A., assignor.)
- Sperry, Philmore F., Chicago, Ill., assignor to Excel Auto Radiator Company. Heat exchange device. 1,981,395; Nov. 20.
- Sperry, Richard C. (See Sperry, Theodore A. and R. C.)
- Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Line composing and type casting machine. 1,944,852; Jan. 23.
- Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Line composing and type casting machine. 1,964,695; June 26.
- Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Quadding and centering device for typographical machines. 1,970,527; Aug. 14.
- Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Line stop for typographical machines. 1,985,195; Dec. 18.
- Sperry-Sun Well Surveying Company. (See Williston, S. H., and Nichols, assignors.)
- Sperry, Theodore A., assignor, by mesne assignments, to Electric Devices Corporation, Indianapolis, Ind. Circuit breaker. 1,964,093; June 26.
- Sperry, Theodore A., assignor to Electric Devices Corporation, Indianapolis, Ind. Arc quencher. 1,971,586; Aug. 28.
- Sperry, Theodore A. and R. C., assignors to Electric Devices Corporation, Indianapolis, Ind. Circuit breaker. 1,966,051; July 10.
- Sperti, George, Covington, Ky., assignor to General Development Laboratories, Inc., New York, N. Y. Preparing enzymes. 1,943,633; Jan. 16.
- Sperti, George, Covington, Ky., assignor to Sperti Lamp Corporation, New York, N. Y. Lamp. 1,956,593; May 1.
- Sperti, George, Covington, Ky., assignor to Sperti Lamp Corporation, New York, N. Y. Lamp. 1,956,599; May 1.
- Sperti, George, Covington, Ky., assignor to Sperti Lamp Corporation, New York, N. Y. Lamp. 1,976,149; Oct. 9.
- Sperti, George, Covington, Ky., assignor to General Development Laboratories, Inc., New York, N. Y. Activation of materials. 1,982,028; Nov. 27.
- Sperti, George, Covington, Ky., and R. J. Norris, R. B. Withrow, and H. Schneider, Cincinnati, Ohio, assignors to General Development Laboratories, Inc., New York, N. Y. Treating food substances. 1,982,029; Nov. 27.
- Sperti Lamp Corporation. (See Sperti, George, assignor.)
- Sperry, Philmore F., assignor to Excel Auto Radiator Company, Chicago, Ill. Radiator core. 1,969,824; Aug. 14.
- Sperzanza, James, Wilmerding, assignor of fifty per cent to F. A. Richard, Turtle Creek, Pa. Lens. 1,970,345; Aug. 14.
- Spetland, Nandrup. (See Upsacker, A., and Spetland.)
- Spettigue, John H. (See Bowman, Earle L., assignor.)
- Spetz, Wilhelm, Duisburg-Meiderich, Germany. Chuck. 1,954,759; Apr. 10.
- Spica, John R., Brooklyn, N. Y. Music stand. 1,946,644; Feb. 13.
- Spica, John R., Brooklyn, N. Y. Music stand. 1,966,566; July 17.
- Spicer, Charles B., Brooklyn, N. Y. Fireproof building block tile. 1,983,712; Dec. 11.
- Spicer, George W., Norwalk, Conn. Drawing and holding wounds. 1,969,188; Aug. 7.
- Spicer, Grover C. (See Morrison, W. J., and Spicer.)
- Spicer Manufacturing Corporation. (See Eaton, Ernest E., assignor.)
- Spicer Manufacturing Corporation. (See Padgett, Joseph E., assignor.)
- Spicer Manufacturing Corp. (See Peterson, Carl D., assignor.)
- Spicer, William E. (See Watts, R. N., and Spicer.)
- Spicers Limited. (See Baker, Thomas T., assignor.)
- Spicers Limited. (See Bonamico, Charles, assignor.)
- Spicers Limited. (See Hands, Henry J., assignor.)
- Spidell, Charles F., et al. (See Bradburn, Curtis E., assignor.)
- Spiegel, Edward R., and W. L. Wilson, Dallas, Tex. Engine lubrication. 1,981,290; Nov. 20.
- Spiegl, Ellis H., Salinas, Calif. System of handling produce such as lettuce. 1,983,052; Dec. 4.
- Spiegl, Ellis H., Salinas, Calif. Grappling device. 1,983,053; Dec. 4.
- Spiegler, Louis. (See Tinker, J. M., and Spiegler.)

- Spiehler, Adolph F., Beaumont, Tex., and C. R. Wagner, Chicago, Ill., assignors to Gyro Process Company, Detroit, Mich. Treating hydrocarbon oils. 1,963,178; June 19.
- Spiehlmann, Emerich, Vienna, Austria. Photo-electric musical instrument. 1,977,095; Oct. 16.
- Spier, Gus J., Chicago, Ill. Corn popper. 1,978,173; Oct. 23.
- Spier, William, assignor to I. C. Kibler, Youngstown, Ohio. Baseball game. 1,955,104; Apr. 17.
- Spieess, Georg, Leipzig, Germany. Paper folding machine. 1,961,648; June 5.
- Spieess, Georg, Leipzig, Germany. Sheet feeding device. 1,964,931; July 3.
- Spieess, Georg, Leipzig, Germany. Folding machine. 1,969,049; Aug. 7.
- Spiker, William C., Atlanta, Ga. Golf putter. Re19,178; May 22.
- Spiker, William C., Atlanta, Ga. Golf club. 1,983,196; Dec. 4.
- Spikerman, Frank T., Akron, and E. F. Oyster, Shaker Heights, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Equipment for making castings. 1,970,779; Aug. 21.
- Spill, Fred, assignor to Spill Manufacturing Co., Inc., East Rutherford, N. J. Glasses and the like. 1,955,690; Apr. 17.
- Spill Manufacturing Co. (See Spill, Fred, assignor.)
- Spillane, James D. (See Lundquist, A., and Spillane.)
- Spillane, James D., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, receiver. Delivery mechanism for printing machines. 1,956,541; Apr. 24.
- Spillane, James D., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, temporary trustee. Web roll controlling mechanism for printing machines. 1,974,126; Sept. 18.
- Spillane, Paul D., Belmont, Mass. Game tally holder. 1,974,881; Sept. 25.
- Spillman, Albert, North Tonawanda, N. Y. Passenger carrying amusement device. 1,947,427; Feb. 13.
- Spiltoir, Jean. (See Haack, Auguste, assignor.)
- Spinach Products Company. (See Poole, Ralph T., assignor.)
- Spinasse, Arthur E., Mount Vernon, Ohio. Separating glass sheets. 1,973,546; Sept. 11.
- Spindler, Fritz, St. Louis, Mo. Holder for shoulder straps. 1,942,734; Jan. 9.
- Spindler, Fritz, St. Louis, Mo. Price tag holder. 1,948,053; Feb. 20.
- Spink, Leland K. (See Lewis, S. R., Spink, and Hagerman.)
- Spinks, William H., Washington, D. C. Toy. 1,965,911; July 10.
- Spino, Leon, Clyde, N. Y. Dispensing device and condiment holder. 1,947,364; Feb. 13.
- Spira, Leo. (See Roth, E., and Spria.)
- Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Electric metal gathering machine. 1,961,256; June 5.
- Spire, William H., Cleveland, Ohio, assignor to Thompson Products, Inc. Electric metal gathering machine. 1,985,803; Dec. 25.
- Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Valve tip hardening machine and method. 1,985,804; Dec. 25.
- Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Valve tip hardening machine. 1,985,805; Dec. 25.
- Spirella Company, Inc., The. (See Moore, Frank W., assignor.)
- Spiro, Marcel. (See Tuscher, J. E., and Spiro.)
- Spitler, Bernard W., Cambridge, Mass. Puncture repair device. 1,967,977; July 24.
- Spitler, Joseph V., Luray, Va. Dental pressure gauge. 1,976,639; Oct. 9.
- Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Recording chart mechanism. 1,959,742; May 22.
- Spitzglass, Albert F., and O. T. Handwerk, assignors to Republic Flow Meters Company, Chicago, Ill. Switch control apparatus. 1,949,222; Feb. 27.
- Spitzglass, Jacob M., assignor to Republic Flow Meters Company, Chicago, Ill. Flow meter for elastic mediums. 1,959,743; May 22.
- Spiwack, Morris J., Brooklyn, N. Y. Producing stereoscopic moving pictures. 1,952,340; Mar. 27.
- Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Case for an ophthalmic mounting. Des. 93,249; Sept. 4.
- Splinter, Ervin L., Hazel Green, Wis. Torque tube stabilizer. 1,968,229; July 31.
- Splitdorf, Charles F., New York, N. Y. Magneto armature. 1,976,899; Oct. 16.
- Spoeneman, Arthur O., Belleville, Ill. Cooking range. Des. 92,681; July 3.
- Spohn, John H., Jr., San Francisco, Calif. Board structure. 1,965,265; July 3.
- Spohr, Arthur. (See Miller, F. P., and Spohr.)
- Spohr, Carl W., assignor to Mechanical Refrigerated Car Company, Chicago, Ill. Temperature controlled car. 1,975,875; Oct. 9.
- Spohr, Carl W., assignor to Mechanical Refrigerated Car Company, Chicago, Ill. Car axle driving mechanism. 1,978,511; Oct. 30.
- Spohr, Carl W., assignor to Mechanical Refrigerated Car Company, Chicago, Ill. Temperature controlled vehicle. 1,982,079; Nov. 27.
- Spokes, Ray E., Ann Arbor, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Composition friction elements. 1,961,177; June 5.
- Spokes, Ray E., Ann Arbor, assignor to Edgar A. Murray Company, Detroit, Mich. Insecticide. 1,977,412; Oct. 16.
- Sponable, Earl I., assignor, by mesne assignments to Movietonews, Inc., New York, N. Y. Method and apparatus for producing moving pictures. 1,982,599; Nov. 27.
- Sponable, Earl I., assignor, by mesne assignments to Movietonews, Inc., New York, N. Y. Apparatus for simultaneously producing moving pictures and reproducing sound pictures. 1,982,600; Nov. 27.
- Sponable, Earl I., assignor, by mesne assignments, to Movietonews, Inc., New York, N. Y. Sound camera. 1,984,438; Dec. 18.
- Spong, James W., London, England. Construction of aerial or earth device for wireless apparatus. 1,962,041; June 5.
- Sponge Rubber Shoe Co. (See Pike, Stanley I., assignor.)
- Sponsel, Kurt, and H. Krauss, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing alkoxy compounds. 1,965,008; July 3.
- Spoon, William L., Burlington, N. C. Channeler attachment to road grading machines. 1,944,307; Jan. 23.
- Spoor, George K., assignor to Spoor Natural Vision Corporation, Chicago, Ill. Motion picture projection machine. 1,980,600; Nov. 13.
- Spoor, Ivan H., Berwyn, assignor to The Gerrard Company, Inc., Chicago, Ill. Wire tying machine and method. 1,971,021; Aug. 21.
- Spoor, Ivan H., Berwyn, and R. F. Le Tourneau, assignors to The Gerrard Company, Inc., Chicago, Ill. Apparatus for tying newspaper bundles and the like. 1,972,173; Sept. 4.
- Spoor Natural Vision Corporation. (See Spoor, George K., assignor.)
- Spoor, Willem L. J., Amsterdam, Netherlands. Rotary pump. 1,973,669; Sept. 11.
- Sporn, Philip, New York, N. Y., and R. H. Wolford, Elizabeth, N. J. Carrier current communication system. 1,965,674; July 10.
- Sportsman, Charles O. (See Roberts, Paul I., assignor.)
- Sposito, Joe. (See Anzalone, F., Sposito, and Garcia.)
- Spotz, Chester A., Greenwich, Conn. Toy vehicle. 1,966,145; July 10.
- Spraco, Inc. (See Thompson, Wayne B., assignor.)
- Spradlin, Joseph Q. (See Eddleman, Virgil C., assignor.)
- Sprado, Carl G., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas engine valve gear. 1,961,461; June 5.
- Spragg, George D., Bellaire, Ohio. Tie rack. Des. 93,143; Aug. 21.
- Spragins, Robert L., Aberdeen Proving Grounds, Md. Tobacco smoking appliance. 1,977,249; Oct. 16.
- Sprague, Al, San Francisco, Calif. Pamphlet stand. 1,959,843; May 22.
- Sprague, Frank D., assignor to Sprague Specialties Co., Quincy, Mass. Press. 1,951,999; Mar. 20.
- Sprague, Frank D., and R. U. Clark, assignors to Sprague Specialties Company, Quincy, Mass. Anode for electrolytic condensers. 1,958,682; May 15.
- Sprague, Frank J., New York, N. Y. Display device. 1,971,281; Aug. 21.
- Sprague, Frank J., New York, N. Y., assignor to Sprague Signs, Inc., Wilmington, Del. Apparatus for the manufacture of perforated records. 1,978,966; Oct. 30.
- Sprague, Frank J., New York, N. Y., assignor to Sprague Signs, Inc., Wilmington, Del. Electric selector device. 1,978,967; Oct. 30.
- Sprague, George C., Lockport, Ill. Milk container. 1,967,978; July 24.
- Sprague, Goldwin S., Newton, Mass. Ski binding. 1,958,117; May 8.
- Sprague, Harold W., Brockton, Mass. Cutter head. 1,976,099; Oct. 9.
- Sprague, Robert C., and J. L. Collins, assignors to Sprague Specialties Company, North Adams, Mass. Electrolytic condenser. 1,969,630; Aug. 7.
- Sprague-Sells Corporation. (See McIntyre, John C., assignor.)
- Sprague-Sells Corp. (See Sells, O. S., and Wheeler, assignors.)
- Sprague Signs, Inc. (See Sprague, Frank J., assignor.)
- Sprague Specialties Company. (See Bundick, C. U., and Berglund, assignors.)
- Sprague Specialties Company. (See Clark, Walter W., assignor.)
- Sprague Specialties Company. (See Danziger, Harold I., assignor.)
- Sprague Specialties Company. (See Dunn, William L., assignor.)
- Sprague Specialties Co. (See Sprague, Frank D., assignor.)
- Sprague Specialties Company. (See Knab, Max, assignor.)
- Sprague Specialties Company. (See Sprague, F. D., and Clark, assignors.)
- Sprague Specialties Company. (See Sprague, R. C., and Collins, assignors.)

- Sprague, Wheeler S., Swarthmore, Pa. Insulation and means embodying the same. 1,943,701; Jan. 16.
- Spraker, David L., assignor to Spraker Manufacturing Co., Indianapolis, Ind. Valve bushing device. 1,952,146; Mar. 27.
- Spraker Manufacturing Co. (See Spraker, David L., assignor.)
- Spray, Joseph H., Rutherford, N. J., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film measuring device. 1,974,758; Sept. 25.
- Sprayo-Flake Company. (See Bennett, Ralph E., assignor.)
- Spreckels, J. D. & A. B., Investment Company. (See Moroney, C. J., Sherman, and Meserole, assignors.)
- Sprenger, Arthur, Berlin-Karlshorst, Germany. Highly refractory mass and producing same. 1,954,715; Apr. 10.
- Sprengnether, William F., St. Louis, Mo. Miner's compass or dip needle. 1,947,809; Feb. 20.
- Spriggs, Arthur O., Springfield, and J. M. Seely, near New Carlisle, assignors to The Champion Company, Springfield, Ohio. Two-piece top operating table. 1,976,100; Oct. 9.
- Sprinchorn, Ulrich. (See Cochrane, H. B., and Sprinchorn.)
- Spring, George B., Newtonville, Mass., assignor to Eastern Malleable Iron Company, New Britain, Conn. Pole mounting. 1,979,580; Nov. 6.
- Spring, Walter M., Springvale, assignor to Sanford Mills, Sanford, Maine. Combined drawing and spinning frame. 1,953,368; Apr. 3.
- Springer, Frank E. (See Mathieu, I. S., and Springer.)
- Springer, James M., Shelton, Wash. D. C. 1,977,497; Oct. 16.
- Springer, Ray W., Detroit, Mich. Manufacturing woven web material and the product resulting therefrom. 1,970,633; Aug. 21.
- Springfellow, Bruce W., Culpeper, Va. Dispensing device. 1,948,054; Feb. 20.
- Springfield Boiler Co. (See Jacobi, William H., assignor.)
- Springfield, Garland P., Evansville, Ind. Automatic vehicular radio control for railway crossings. 1,955,371; Apr. 17.
- Springfield, Garland P., Evansville, Ind. Compressor. 1,964,679; June 26.
- Springfield Metallic Casket Company, The. (See Henderson, Roe P., assignor.)
- Springfield Wire & Tinsel Co. (See Bradford, Edward S., jr., assignor.)
- Springstead, John F., Mount Vernon, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, receiver. Printing machine. 1,954,851; Apr. 17.
- Springstead, John F., Rye, assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, temporary trustee. Preparing forms for multicolor printing. 1,975,181; Oct. 2.
- Springthorpe, Alec, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 91,559; Feb. 20.
- Springuel, Francois, Brussels, Belgium. Central heating. 1,965,727; July 10.
- Sprinkle, Lake H., Brooklyn, N. Y. Base plate for dentures. 1,942,455; Jan. 9.
- Sproat, Ira E., Covington, Ohio, assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Earthenware body. 1,984,163; Dec. 11.
- Sproul, Donald F., Chicago, Ill., assignor to one-half to Cardwell Westinghouse Co., and one-half to W. H. Miner, Inc. Draft gear. 1,943,043; Jan. 9.
- Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Cushioning device. 1,952,102; Mar. 27.
- Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Draft gear and spring seat therefor. 1,972,957; Sept. 11.
- Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Cushioning device. 1,977,865; Oct. 23.
- Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Cushioning device. 1,979,846; Nov. 6.
- Sprumont, Emil, jr., et al. (See Pirrone, Antonio L., assignor.)
- Sprumont, Emil, sr., et al. (See Pirrone, Antonio L., assignor.)
- Sprung, Helmut, Berlin-Oberschöneweide, Germany, assignor to General Electric Company, Schenectady, N. Y. Production of magnetic strips or tapes. 1,980,011; Nov. 6.
- Spry, William M., Beachmont, assignor to The Peerless Machinery Company, Boston, Mass. Buffing machine. 1,952,634; Mar. 27.
- Spurgeon, Samuel J., Birmingham, Ala., and M. B. McClure, Atlanta, Ga. Electric fuse. 1,984,498; Dec. 18.
- Spurlin, Harold M., Kenvil, N. H., assignor to Hercules Powder Company, Wilmington, Del. Tracing paper and method of producing. 1,946,338; Feb. 6.
- Spurlin, Harold M., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing smokeless powder. 1,966,806; July 17.
- Spyco Smelting and Refining Company. (See Taylor, Norris O., assignor.)
- Square D Company. (See Jackson, John G., assignor.)
- Square D Company. (See Jackson, J. G., and Allen, assignors.)
- Square D Company. (See Jackson, J. G., and Wolf, assignors.)
- Square D Company. (See Jenkins, Paul S., assignor.)
- Square D Company. (See Teague, Walter D., assignor.)
- Square D Company. (See Van Valkenburg, Hermon L., assignor.)
- Square D Company. (See Van Valkenburg, H. L., and Spencer, assignors.)
- Squeeze-Ezy Mop Co. (See Müller, Frederick, assignor.)
- Squibb, E. R., & Sons. (See Black, Archie, assignor.)
- Squibb, E. R., & Sons. (See Christiansen, W. G., and Braker, assignors.)
- Squibb, E. R., & Sons. (See Christiansen, W. G., and Harris, assignors.)
- Squibb, E. R., & Sons. (See Christiansen, W. G., and Harvey, assignors.)
- Squibb, E. R., & Sons. (See Christiansen, W. G., and Jurist, assignors.)
- Squibb, E. R., & Sons. (See Christiansen, W. G., Jurist, and Moness, assignors.)
- Squibb, E. R., & Sons. (See Christiansen, W. G., and Moness, assignors.)
- Squibb, E. R., & Sons. (See Christiansen, W. G., and Van Winkle, assignors.)
- Squibb, E. R., & Sons. (See Harris, S. E., and Christiansen, assignors.)
- Squibb, E. R., & Sons. (See Harvey, Adelbert W., assignor.)
- Squibb, E. R., & Sons. (See Jones, W. S., and Braker, assignors.)
- Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)
- Squires, Merrill D., Kalamazoo, Mich. Insulating material. 1,949,087; Feb. 27.
- Squire, Roy E., Huntington Park, Calif. Hurdle. 1,982,934; Dec. 4.
- Squires, John, Hagerstown, Md. Making propeller blades. 1,942,221; Jan. 2.
- Squires, John, Hagerstown, Md. Making propeller blades. 1,942,222; Jan. 2.
- Squires, John, Hagerstown, Md. Making propeller blades. 1,942,223; Jan. 2.
- Squires, John, Hagerstown, Md. Making propeller blades. 1,948,832; Feb. 27.
- Squires, John, Hagerstown, Md. Flanging tubular members. 1,966,053; July 10.
- Squires, John, Hagerstown, Md. Propeller. 1,967,435; July 24.
- Squires, John, Hagerstown, Md. Balancing propeller blades. 1,968,540; July 31.
- Squires, John, Hagerstown, Md. Making a propeller. 1,980,834; Nov. 13.
- Squires, John, Detroit, Mich. Making airplane propeller blades. 1,943,560; Jan. 16.
- Squires, Walter M. (See Hoff, M. A., and Squires.)
- Squires, Wilbur N., assignor to Hydraulic Deep Well Pump Company, Joplin, Mo. Pumping system. 1,961,602; June 5.
- Sremec, Louis G., Conover, Wis. Fire alarm. 1,973,272; Sept. 11.
- Srofe, Jesse, assignor to Venable-Brown Company, Cincinnati, Ohio. Display carton. 1,953,134; Apr. 3.
- Srygley, Harry W., Abilene, Tex. Attachment for safe knobs. 1,982,080; Nov. 27.
- Staaff, Per H., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Lubrication. 1,946,366; Feb. 6.
- Stableford, John L., London, England. Effecting distant control. 1,958,353; May 8.
- Stäblein, Wilhelm. (See Sommerfeld, E., and Stäblein.)
- Staby, Wilhelm, Munich, Germany. Umbrella locking device. 1,957,678; May 8.
- Stacey, Alfred E., jr., Essex Fells, and H. R. Arf, Elizabeth, assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Air distributing system and apparatus for railroad cars. 1,982,125; Nov. 27.
- Stacey Bros. Gas Construction Company, The. (See Pechstein, Walter, assignor.)
- Stacey Bros. Gas Construction Company, The. (See Schürmann, Friedrich, assignor.)
- Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for reeling rubber stock. 1,963,179; June 19.
- Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. System for delivering sheet material. 1,985,524; Dec. 25.
- Stacey, George A., Phoebus, assignor to one-half to C. C. Curtis, Hampton, Va. Temperature controlled switch device. 1,960,856; May 29.
- Stacey, George A., Phoebus, assignor to one-half to C. C. Curtis, Hampton, Va. Motor mounting. 1,978,148; Oct. 23.
- Stack, Frank T., and J. C. Smith, Norwalk, Conn., assignors to Hat Corporation of America, New York, N. Y. Reinforced edge for hat brims. 1,967,012; July 17.
- Stack-Goble Advertising Agency. (See Willem, John M., assignor.)
- Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,950,125; Mar. 6.
- Stackpole Carbon Company. (See Sanders, Vernon H., assignor.)
- Stacks, Harry R. (See Turner, H. C., and Stacks.)
- Stacks, Howard R. (See Turner, H. C., and Stacks.)
- Stade, George H., Victoria, British Columbia, Canada. Combination wrench. 1,975,025; Sept. 25.

- Stader, Florence M., Plymouth, Mich. Fastener. 1,959,505; May 22.
- Stadig, Theodore E. (See Bellec, M., and Stadig.)
- Stadium Underwear Company. (See Trageser, Charles F., assignor.)
- Stadler, John, Bridgeport, Conn. Calculator toy. 1,974,901; Sept. 25.
- Stadler, Robert. (See Baumann, P., Stadler, Schilling, and Bückert.)
- Stadler, Robert. (See Bueckert, H., Stadler, and Tanneberger.)
- Stadler, Robert, Ziegelhausen-on-the-Neckar, and O. Eisenhut, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Carrying out chemical reactions between gas-like substances. 1,977,155; Oct. 16.
- Stadt, Henry M. (See Clayton, B., Kerrick, and Stadt.)
- Städtler, Ludwig R., New York, N. Y. Bank protecting device. 1,958,321; May 8.
- Stadtler, Mathias, Flushing, N. Y. Spring mounting. 1,982,030; Nov. 27.
- Stadtman, Otto, Philadelphia, Pa. Meat cutter. 1,953,571; Apr. 3.
- Staeger, Stephen A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,968,575; July 31.
- Staegemann, Eugene, Allendale, N. J., assignor to The Permutit Company, New York, N. Y. Flow meter. 1,977,498; Oct. 16.
- Staegemann, Eugene, Allendale, N. J., assignor to The Permutit Company, New York, N. Y. Dispensing apparatus. 1,977,781; Oct. 23.
- Staehle, Paul M., Fort Wayne, Ind., assignor to General Electric Company. Transformer lead and bushing. 1,965,437; July 3.
- Staelin, Gustav, Larchmont, N. Y. Plate or similar article. Des. 93,187; Aug. 28.
- Staff, William E., Jenkintown, Pa. Convertible tennis net mounting. 1,968,720; July 31.
- Staff, William E., Jenkintown, Pa. Convertible game apparatus. 1,979,177; Oct. 30.
- Staff, William E., Jenkintown, Pa. Convertible game board. 1,980,105; Nov. 6.
- Stafford, Caroline M., Portland, Oreg. Pictorial chart. Des. 91,451; Jan. 30.
- Stafford, Earl, Fairlawn, N. J., assignor to The Richardson Company, Lockland, Ohio. Pulp forming process. 1,981,573; Nov. 20.
- Stafford, James B., Jr., Brighton, assignor to Cyclofile Corporation, Rochester, N. Y. Card filing device. 1,976,249; Oct. 9.
- Stafford, Jean C. (See Justheim, C. I., and Stafford.)
- Stafford, Jean C., Dayton, Ohio, and C. I. Justheim, Salt Lake City, Utah; said Stafford assignor to said Justheim. Carburation system. 1,970,713; Aug. 21.
- Stafford, Joseph L., Portland, Oreg. Auxiliary lens. 1,950,576; Mar. 13.
- Stafford, Orin F., Eugene, Oreg. Carbonizing process and apparatus. 1,957,564; May 1.
- Stafford, Robert S., and J. Schrag, San Antonio, Tex.; said Schrag assignor to said Stafford. Automobile tire changing machine. 1,948,434; Feb. 20.
- Stafford, Roy M., and G. H. Keith, Beaumont, Tex. Grease gun. 1,949,497; Mar. 6.
- Stafford, Stephen B. (See Smith, H. A., Thomson, and Stafford.)
- Stafford, Walter K., Newton, Mass. Combined gas range and gas heater. 1,971,122; Aug. 21.
- Stage, Harry L., assignor, by mesne assignments, to Paxton Credit Corporation, Sanger, Calif. Paper folding device. 1,974,165; Sept. 18.
- Stage, Hubert J., Chardon, Ohio. Artificial bait. 1,982,081; Nov. 27.
- Stageberg, Olaf O., Red Wing, Minn. Fluid pump and motor. 1,977,780; Oct. 23.
- Stagg, Jones P., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Raggle block. 1,946,949; Feb. 13.
- Stagner, Bert A., Los Angeles, Calif. Treating hydrocarbons, involving the reaction between objectionable sulphur and mercaptan constituents. 1,970,583; Aug. 21.
- Stahl, Albert R., Somerset County, Pa. Lens for a headlight or the like. Des. 92,325; May 22.
- Stahl, Albert R., Somerset County, Pa. Lens. 1,951,779; Mar. 20.
- Stahl, Frank, Independence, Kans. Packer or closure for well casings. 1,956,137; Apr. 24.
- Stahl, Frank E., Tonawanda, N. Y. Differential hoist. 1,971,511; Aug. 28.
- Stahl, Frank E., Tonawanda, N. Y. Forming a reenforcing swell on the inside of welded chain links. 1,971,512; Aug. 28.
- Stahl, Frank E., Tonawanda, N. Y. Emergency antiskid device. 1,976,900; Oct. 16.
- Stahl, Frank E., Tonawanda, N. Y. Electric welding machine. 1,980,935; Nov. 13.
- Stahl, Frank E., Tonawanda, N. Y. Chain forming machine. 1,983,683; Dec. 11.
- Stahl, Frank E., assignor to Columbus McKinnon Chain Company, Tonawanda, N. Y. Controlling the slack of cables. 1,946,920; Feb. 13.
- Stahl, Frank E., assignor to The Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Buckle plate. 1,980,362; Nov. 13.
- Stahl, Frank E., assignor to Columbus McKinnon Chain Company, Tonawanda, N. Y. Hoist drum. 1,984,604; Dec. 18.
- Stahl, Frank E., Tonawanda, A. Cotesworth, Kenmore, and E. E. Robins, assignors to Columbus McKinnon Chain Co., Tonawanda, N. Y. Sling. 1,963,634; June 19.
- Stahl, Morris, Brooklyn, N. Y. Lid connection. 1,942,310; Jan. 2.
- Stahl, Rodolphe, Detroit, Mich. Valve structure. 1,952,147; Mar. 27.
- Stahl, Thomas J., Long Beach, Calif. Sifting flour and other powdered materials. 1,953,369; Apr. 3.
- Stahl-Urban Company. (See Schmidt, F. A., and Kramer, assignors.)
- Stahle, Erik G. (See Pedersen, I. O., and Stahle.)
- Stahly, William, College Point, assignor to Sanitary Public Service Corporation, New York, N. Y. Toilet seat cover forming machine. 1,981,155; Nov. 20.
- Staib, Karl, Rheinfelden, Baden, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of anhydrous fused caustic soda. 1,956,188; Apr. 24.
- Staib, Karl, and W. Moschel, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation. Electrolysis of anhydrous fused metal chlorides. 1,951,494; Mar. 20.
- Staib, Ludwig A., Jr. (See Hickman, K. C. D., and Staib.)
- Stalder, Lydia, New York, N. Y. Ornamentation. 1,961,575; June 5.
- Staley, A. E., Manufacturing Company. (See Davis, William L., assignor.)
- Staley, A. E., Manufacturing Company. (See Durkee, Maurice M., assignor.)
- Staley, A. E., Manufacturing Company. (See French, A. H., and Gill, assignors.)
- Staley, A. E., Manufacturing Company. (See MacIntyre, Aimwell G., assignor.)
- Staley, A. E., Manufacturing Company. (See Ragsdale, Elbert C., assignor.)
- Staley, A. E., Manufacturing Company. (See Thornborough, Claude W., assignor.)
- Staley, Benjamin M., assignor to National Transit Pump & Machine Company, Oil City, Pa. Blade for rotary pumps. 1,943,561; Jan. 16.
- Staley, D. C. (See Candor, R. R., and Staley.)
- Staley, Frank L., assignor to E. F. Dow, Branford, Conn. Lubricating device. 1,975,593; Oct. 2.
- Staley, Marcellus, Brooklyn, assignor, by mesne assignments, to Otis Elevator Company, New York, N. Y. Gate opening and closing device. 1,950,042; May 15.
- Staley, Russell U., Portland, Oreg. Electric heater and thermostat. 1,977,156; Oct. 16.
- Stålhan, Johan B. (See Stålhan, Otto and J. B.)
- Stålhan, Otto and J. B., Stockholm, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Rotary furnace for treating pulverized ore with gas. 1,959,772; May 22.
- Stålhan, Otto and J. B., Stockholm, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Reducing oxide ores or the like by means of gas. 1,964,680; June 26.
- Sta-Lite Corporation. (See Zahn, Joseph A., assignor.)
- Stalker, Edward A., Ann Arbor, Mich. Preventing spinning in aircraft. 1,946,921; Feb. 13.
- Stalker, Edward A., Ann Arbor, Mich. Fluid rotor. 1,953,444; Apr. 3.
- Stalker, Edward A., Ann Arbor, Mich. Aircraft sustained by a lifting screw. 1,971,734; Aug. 28.
- Stalker, Edward A., Ann Arbor, Mich. Aircraft. 1,982,968; Dec. 4.
- Stalker, Edward A., Ann Arbor, Mich. Aircraft. 1,982,969; Dec. 4.
- Stalker, Edward A., Ann Arbor, Mich. Ground propulsion of aircraft. 1,983,493; Dec. 4.
- Stalle, Albert P., Chicago, Ill. Circular oven. 1,957,811; May 8.
- Stallé, Albert P., Chicago, Ill. Nestable casserole with platter. 1,978,175; Oct. 23.
- Stallings, George W., assignor to Watts Morehouse Mfg. Corporation, Jackson, Mich. Hinge and seal for trunks. 1,942,620; Jan. 9.
- Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing vat dyestuffs of the dibenzanthrone series. 1,950,366; Mar. 6.
- Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyestuff paste. 1,977,250; Oct. 16.
- Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Epichlorhydrin and ammonia condensation product. 1,977,251; Oct. 16.
- Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyestuff paste. 1,977,252; Oct. 16.
- Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Epichlorhydrin-amine condensation product. 1,977,253; Oct. 16.
- Stallworth, Elbert, Americus, Ga. Alarm clock electric switch. 1,972,634; Sept. 4.
- Stamand, George F., Stoneham, Mass. Pneumatic bumper cover. 1,978,769; Oct. 30.
- Stamets, William K. (See Hibbard, Robert L., assignor.)

- Stamey, De Keller, Shippensburg, Pa. Jew's-harp. 1,974,370; Sept. 18.
- Stamford Products, Ltd. (See Brower, William M., assignor.)
- Stamm, Paul E., Endicott, N. Y. Erasing shield. 1,954,149; Apr. 10.
- Stamp, Hugo O., Pittsburgh, Pa. Mixing concrete and other substances. 1,983,197; Dec. 4.
- Stampe, Gerhard K. E. H., Lubeck, Germany, assignor to Bernhard Drager, Brasov, Rumania. Method and apparatus for purifying gaseous mixtures. 1,954,395; Apr. 10.
- Stampe, Gerhard K. E. H., Lubeck, Germany, assignor to Bernhard Drager, Brasov, Rumania. Gas mask canister. 1,963,874; June 19.
- Stampen, Jacob J., assignor to Babson Manufacturing Corporation, Chicago, Ill. Teat cup. 1,945,386; Jan. 30.
- Stampfli, Joseph. (See Lawson, Holger L.)
- Stampfli, Leopold T., Crescent Mills, and S. Chiritescu, Paxton, assignors, by mesne assignments, of one-third to V. U. Williams, Virgilina, Calif. Drill steel puller. 1,982,835; Dec. 4.
- Stansvik, Alfred L., assignor to Heat Exchanger Company, Grove City, Pa. Heat exchange device. 1,969,766; Aug. 14.
- Stanbon, Harry R., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Perforating machine. 1,959,602; May 22.
- Stancliffe, Cecil W., London, England. Heat interchanger for heating and cooling of fluids. 1,961,533; June 5.
- Stanco, Incorporated. (See Babelka, Joseph, assignor.)
- Stanco, Incorporated. (See Fulton, Stewart C., assignor.)
- Stanco, Incorporated. (See Grant, Dudley H., assignor.)
- Stanco Incorporated. (See Nelson, Franklin C., assignor.)
- Stanco, Inc. (See Pearson, H. P., and Burrows, assignors.)
- Stanco Incorporated. (See Sankowsky, N. A., and Grant, assignors.)
- Stanco Incorporated. (See Vogel, W. M., and Fentress, assignors.)
- Standard Alcohol Company. (See Brooks, Benjamin T., assignor.)
- Standard Alcohol Company. (See Le Baron, Robert F., assignor.)
- Standard Alcohol Company. (See Lebo, Robert B., assignor.)
- Standard Boiler and Steel Works. (See Bliss, Carl G., assignor.)
- Standard Bottle Company Limited. (See Anger, Edward F., assignor.)
- Standard Brands Incorporated. (See Buhrig, W. H., Schultz, and Frey, assignors.)
- Standard Brands Incorporated. (See Everett, John, assignor.)
- Standard Brands Incorporated. (See Gore, H. C., and Frey, assignors.)
- Standard Brands Incorporated. (See Józsa, S., and Gore, assignors.)
- Standard Brands Incorporated. (See Light, R. F., and Frey, assignors.)
- Standard Brands Incorporated. (See Townsley, Robert H., assignor.)
- Standard Cap & Seal Corporation. (See Tevander, Olof N., assignor.)
- Standard Churn Company. (See Snyder, John L., assignor.)
- Standard Conveyor Company. (See Eggleston, Smith, assignor.)
- Standard Coupler Company. (See Goodwin, Ernest G., assignor.)
- Standard Electric Equipment Corporation. (See Rosenfield, Edward M., assignor.)
- Standard Electric Stove Company, The. (See Pierson, Charles A., assignor.)
- Standard Electric Time Company, The. (See Harter, George F., assignor.)
- Standard Electric Time Company, The. (See Kenerson, Stanley M., assignor.)
- Standard Embroidery Company. (See Schwartz, Louis J., assignor.)
- Standard Engineering Works, The. (See Mills, Bertram M., assignor.)
- Standard Envelope Manufacturing Company, The. (See Nelson, Robert A., assignor.)
- Standard Equipments, Inc. (See Greenwood, Richard F., assignor.)
- Standard Gage Company. (See Aldeborgh, Erik H., assignor.)
- Standard Gas Equipment Corporation. (See McMurchy, Donald F., assignor.)
- Standard Gauge Company, Inc., The. (See Aldeborgh, E. H., and Emery, assignors.)
- Standard-I. G. Company. (See Bonnell, Leonard S., assignor.)
- Standard-I. G. Company. (See Christ, John, assignor.)
- Standard-I. G. Company. (See Clark, Edgar M., assignor.)
- Standard-I. G. Company. (See Davis, Garland H. B., assignor.)
- Standard I. G. Company. (See Edmonds, William J., assignor.)
- Standard-I. G. Company. (See Ellis, Carleton, assignor.)
- Standard-I. G. Company. (See Fisher, Harold W., assignor.)
- Standard-I. G. Company. (See Gohr, Edwin J., assignor.)
- Standard-I. G. Company. (See Gohr, E. J., and Cline, assignors.)
- Standard-I. G. Company. (See Grimm, H. G., and Janek, assignors.)
- Standard-I. G. Company. (See Harding, Clark T., assignor.)
- Standard-I. G. Company. (See Haslam, Robert T., assignor.)
- Standard I. G. Company. (See Hochschwender, E., and Josenhaus, assignors.)
- Standard-I. G. Company. (See Jennings, James M., assignor.)
- Standard-I. G. Company. (See Krauch, C., and Pier, assignors.)
- Standard-I. G. Company. (See Krauch, C., Pier, and Winkler, assignors.)
- Standard-I. G. Company. (See Mueller-Cunradi, M., Eisenhut, and Schilling, assignors.)
- Standard-I. G. Company. (See Peck, E. B., Kleiber, and Archibald, assignors.)
- Standard-I. G. Company. (See Pier, Mathias, assignor.)
- Standard-I. G. Company. (See Pier, M., and Donath, assignors.)
- Standard I. G. Company. (See Pier, M., and Hochschwender, assignors.)
- Standard-I. G. Company. (See Pier, M., and Kroenig, assignors.)
- Standard-I. G. Company. (See Pier, M., and Ringer, assignors.)
- Standard-I. G. Company. (See Pier, M., and Simon, assignors.)
- Standard-I. G. Company. (See Pier, M., and Winkler, assignors.)
- Standard-I. G. Company. (See Pier, M., Winkler, and Schmitt, assignors.)
- Standard-I. G. Company. (See Pier, M., Winkler, and Wissel, assignors.)
- Standard-I. G. Company. (See Pier, M., and Wissel, assignors.)
- Standard-I. G. Company. (See Roos, H., and Schwamberger, assignors.)
- Standard-I. G. Company. (See Russell, Robert P., assignor.)
- Standard-I. G. Company. (See Russell, R. P., and Asbury, assignors.)
- Standard-I. G. Company. (See Russell, R. P., and Boyer, assignors.)
- Standard-I. G. Company. (See Russell, R. P., and Davis, assignors.)
- Standard-I. G. Company. (See Watts, Rhea N., assignor.)
- Standard-I. G. Company. (See Watts, R. N., and Spicer, assignors.)
- Standard I. G. Company. (See Wietzel, R., and Pfandler, assignors.)
- Standard-I. G. Company. (See Young, Philip L., assignor.)
- Standard-I. G. Co. (See Young, P. L., and Churchill, jr., assignors.)
- Standard-Knapp Corporation. (See Kimball, Wallace D., assignor.)
- Standard-Knapp Corporation. (See Kimball, W. D., and Braren, assignors.)
- Standard-Knapp Corporation. (See Kimball, W. D., Braren, and Mosley, assignors.)
- Standard-Knapp Corporation. (See Kimball, W. D., and Mosley, assignors.)
- Standard-Knapp Corporation. (See Rideout, A. E., and Mosley, assignors.)
- Standard Lock and Measure Corporation. (See Malluk, Assad M., assignor.)
- Standard Mirror Company, Inc. (See La Hodny, William, assignor.)
- Standard Mirror Company. (See La Hodny, W., and Hoff, assignors.)
- Standard Motor Company Limited, The. (See Grinham, E. G., and Turner, assignors.)
- Standard Oil Company. (See Adams, Chester E., assignor.)
- Standard Oil Company. (See Adams, Elmer W., assignor.)
- Standard Oil Company. (See Adams, E. W., and McNulty, assignors.)
- Standard Oil Company. (See Anderson, Lottie E., assignor.)
- Standard Oil Company. (See Arthur, J. M., and Urbanek, assignors.)
- Standard Oil Company. (See Arveson, Maurice H., assignor.)
- Standard Oil Company. (See Atwell, Harold V., assignor.)
- Standard Oil Company. (See Bahlke, W. H., and Thiele, assignors.)
- Standard Oil Company, The. (See Bailey, Edward A., assignor.)
- Standard Oil Company. (See Baker, Charles R., assignor.)
- Standard Oil Company. (See Brown, Bruce K., assignor.)
- Standard Oil Company. (See Brunstrum, Lawrence C., assignor.)
- Standard Oil Company. (See Brunstrum, L. C., and Hilliker, assignors.)
- Standard Oil Company. (See Brunstrum, L. C., and Loetscher, assignors.)
- Standard Oil Company. (See Brunstrum, L. C., and Schmidt, assignors.)

- Standard Oil Company, The. (See Burk, Robert E., assignor.)
- Standard Oil Company, The. (See Burk, R. E., and Lankelma, assignors.)
- Standard Oil Company. (See Chenicek, George W., assignor.)
- Standard Oil Company. (See Cleveland, Clarence R., assignor.)
- Standard Oil Company. (See Cooke, Thomas S., assignor.)
- Standard Oil Company. (See Diggs, S. H., and Page.)
- Standard Oil Company. (See Eisinger, John O., assignor.)
- Standard Oil Company, The. (See Elliott, Samuel H., assignor.)
- Standard Oil Company. (See Essex, William F., assignor.)
- Standard Oil Company. (See French, August, assignor.)
- Standard Oil Company. (See French, A., and Rogers, assignors.)
- Standard Oil Company. (See Giles, Roy N., assignor.)
- Standard Oil Company. (See Gjerde, Melford D., assignor.)
- Standard Oil Company. (See Hoeffleur, Arthur, assignor.)
- Standard Oil Company. (See Keranen, George M., assignor.)
- Standard Oil Company. (See Knight, Hugh, assignor.)
- Standard Oil Company. (See Lemmon, N. E., and Brown, assignors.)
- Standard Oil Company. (See MacLaren, Frederick H., assignor.)
- Standard Oil Company. (See Mathews, Wallace B., assignor.)
- Standard Oil Company. (See Mathias, Henry R., assignor.)
- Standard Oil Company, The. (See McConnell, Elliott B., assignor.)
- Standard Oil Company. (See McGill, W. J., and Adams, assignors.)
- Standard Oil Company, The. (See McNeil, Claude P., assignor.)
- Standard Oil Company. (See Monro, Donald A., assignor.)
- Standard Oil Company. (See Musselman, Amos S., assignor.)
- Standard Oil Company. (See Nerem, Robert, assignor.)
- Standard Oil Company. (See Parkhurst, George L., assignor.)
- Standard Oil Company. (See Parkhurst, G. L., and Voorhees, assignors.)
- Standard Oil Company. (See Paulus, Max G., assignor.)
- Standard Oil Company. (See Plummer, William B., assignor.)
- Standard Oil Company. (See Read, C. D., and Holcomb, assignors.)
- Standard Oil Company. (See Read, H. D., and Neufeld, assignors.)
- Standard Oil Company. (See Roberts, J. K., and Watts, assignors.)
- Standard Oil Company. (See Robinson, Jack, assignor.)
- Standard Oil Company. (See Rogers, T. H., and Voorhees, assignors.)
- Standard Oil Company. (See Scheineman, F. W. and Franklin, assignors.)
- Standard Oil Company. (See Scott, W. H., and Ducommun, assignors.)
- Standard Oil Company. (See Snow, Harold R., assignor.)
- Standard Oil Company. (See Sparks, Joseph W., assignor.)
- Standard Oil Company. (See Stockdale, T. E., and Keranen, assignors.)
- Standard Oil Company. (See Sullivan, F. W., jr., and Voorhees, assignors.)
- Standard Oil Company. (See Swenson, Reuben A., assignor.)
- Standard Oil Company. (See Thiele, Ernest W., assignor.)
- Standard Oil Company. (See Toigo, John, assignor.)
- Standard Oil Company. (See Urbanek, Charles A., assignor.)
- Standard Oil Company. (See Vandever, Perry O., assignor.)
- Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
- Standard Oil Company. (See Voorhees, V., and Anderson, assignors.)
- Standard Oil Company. (See Wilson, Robert E., assignor.)
- Standard Oil Company (Indiana). (See Brown, A. B., and Neeley, assignors.)
- Standard Oil Company (Indiana). (See Payne, Donald E., assignor.)
- Standard Oil Company (Indiana). (See Payne, Elmer H., assignor.)
- Standard Oil Company (Indiana). (See Payne, E. H., and Miller, assignors.)
- Standard Oil Company (Indiana). (See Price, Ralph H., assignor.)
- Standard Oil Company (Indiana). (See Roberts, Joseph K., assignor.)
- Standard Oil Company (Indiana). (See Ruthruff, Robert F., assignor.)
- Standard Oil Company, Indiana. (See Thiele, Ernest W., assignor.)
- Standard Oil Company (Indiana). (See Wilson, Robert E., assignor.)
- Standard Oil Company of California. (See Cavins, Omar A., assignor.)
- Standard Oil Company of California. (See Danner, Philip S., assignor.)
- Standard Oil Company of California. (See Davis, W. N., and Hampton, assignors.)
- Standard Oil Company of California. (See Davis, W. N., and Rutherford, assignors.)
- Standard Oil Company of California. (See Edwards, Samuel H., assignor.)
- Standard Oil Company of California. (See Fox, Denis L., assignor.)
- Standard Oil Company of California. (See Gates, Leroy G., assignor.)
- Standard Oil Company of California. (See Handy, John C., assignor.)
- Standard Oil Company of California. (See Luckenbaugh, M. L., and Radcliffe, assignors.)
- Standard Oil Company of California. (See Marx, Guido V. D., assignor.)
- Standard Oil Company of California. (See McDonald, C. S., Putnam, and McHale, assignors.)
- Standard Oil Company of California. (See McEachern, Joseph H., assignor.)
- Standard Oil Company of California. (See Mithoff, Robert C., assignor.)
- Standard Oil Company of California. (See Osborn, R. T., and Craig, assignors.)
- Standard Oil Company of California. (See Putnam, Joseph F., assignor.)
- Standard Oil Company of California. (See Putnam, J. F., and Abbe, assignors.)
- Standard Oil Company of California. (See Rutherford, John T., assignor.)
- Standard Oil Company of California. (See Shiffler, W. H., and Holm, assignors.)
- Standard Oil Company of California. (See Thompson, H. W., and Rutherford, assignors.)
- Standard Oil Development Company. (See Anderson, Richard D., assignor.)
- Standard Oil Development Company. (See Baskin, Charles M., assignor.)
- Standard Oil Development Company. (See Becker, A. E., and Davis, assignors.)
- Standard Oil Development Company. (See Becker, A. E., and Sloane, assignors.)
- Standard Oil Development Company. (See Beiswenger, Gustav A., assignor.)
- Standard Oil Development Company. (See Benton, L. G., Tate, and Levitas, assignors.)
- Standard Oil Development Company. (See Bird, J. C., and Rosen, assignors.)
- Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
- Standard Oil Development Company. (See Booth, G. M., and Tryon, assignors.)
- Standard Oil Development Company. (See Brezinski, L. P., and Frolich, assignor.)
- Standard Oil Development Company. (See Buc, Hyym E., assignor.)
- Standard Oil Development Company. (See Buc, H. E., and Schuler, assignors.)
- Standard Oil Development Company. (See Bunn, Charles H., jr., assignor.)
- Standard Oil Development Company. (See Calkins, Austin E., assignor.)
- Standard Oil Development Company. (See Child, W. C., and Beiswenger, assignors.)
- Standard Oil Development Company. (See Curran, Roy A., assignor.)
- Standard Oil Development Company. (See Davis, C. H. B., and Franceway, assignors.)
- Standard Oil Development Company. (See Ellis, Carleton, assignor.)
- Standard Oil Development Company. (See Evans, Silas E., assignor.)
- Standard Oil Development Company. (See Fischer, Herbert G. M., assignor.)
- Standard Oil Development Company. (See Freyermuth, George H., assignor.)
- Standard Oil Development Company. (See Frolch, P. K., assignor, and Boekeler.)
- Standard Oil Development Company. (See Fulton, Stewart C., assignor.)
- Standard Oil Development Company. (See Garner, J. B., Miller, and Leyden, assignors.)
- Standard Oil Development Company. (See Gomory, William L., assignor.)
- Standard Oil Development Company. (See Hand, James W., assignor.)
- Standard Oil Development Company. (See Hanks, W. V., and Freyermuth, assignors.)
- Standard Oil Development Company. (See Harding, William E., assignor.)
- Standard Oil Development Company. (See Harrington, Paul J., assignor.)
- Standard Oil Development Company. (See Haslam, Robert T., assignor.)
- Standard Oil Development Company. (See Hopkins, Marlon B., assignor.)
- Standard Oil Development Company. (See Howard, Frank A., assignor.)
- Standard Oil Development Company. (See Lawson, A. W., and Dickson, assignors.)
- Standard Oil Development Company. (See Lewis, W. K., and Frölich, assignors.)

- Standard Oil Development Company. (See Link, Louis, assignor.)
- Standard Oil Development Co. (See Mateer, G. L., and Haller, assignors.)
- Standard Oil Development Company. (See Maverick, George M., assignor.)
- Standard Oil Development Company. (See McIntyre, G., and Ulbricht, assignors.)
- Standard Oil Development Company. (See Miller, Clinton H., jr.)
- Standard Oil Development Company. (See Montgomery, T., and Morrison, assignors.)
- Standard Oil Development Company. (See Mutter, Erik, assignor.)
- Standard Oil Development Company. (See Nichols, H. J., jr., and Kuhl, assignors.)
- Standard Oil Development Company. (See O'Brien, Joseph A., assignor.)
- Standard Oil Development Company. (See Parsons, Harrison O., assignor.)
- Standard Oil Development Company. (See Peck, E. B., and Kleiber, assignors.)
- Standard Oil Development Company. (See Ralston, A. W., and Wright, assignors.)
- Standard Oil Development Company. (See Rosebrook, Guy L., assignor.)
- Standard Oil Development Company. (See Rosen, R., and Lieber, assignors.)
- Standard Oil Development Company. (See Russell, R. P., and Hanks, assignors.)
- Standard Oil Development Company. (See Sloane, Reginald G., assignor.)
- Standard Oil Development Company. (See Smith, Victor C., assignor.)
- Standard Oil Development Company. (See Stratford, Reginald K., assignor.)
- Standard Oil Development Company. (See Stratford, R. K., and Doochan, assignors.)
- Standard Oil Development Company. (See Truman, Orley H., assignor.)
- Standard Oil Development Company. (See Tryon, R. W., and Booth, assignors.)
- Standard Oil Development Company. (See Tryon, R. W., and Helle, assignors.)
- Standard Oil Development Company. (See Varian, Russell H., assignor.)
- Standard Oil Development Company. (See Warnock, Thomas H., assignor.)
- Standard Oil Development Company. (See Weatherly, Everett P., jr., assignor.)
- Standard Oil Development Company. (See White, Abraham, assignor.)
- Standard Oil Development Company. (See Whitner, Thomas C., jr., assignor.)
- Standard Oil Development Company. (See Wiezevich, P. J., and Whiteley, assignors.)
- Standard Oil Development Company et al. (See Booth, R. D., Coffin, and Tigges, assignors.)
- Standard Paper Box Corporation. (See Petter, Noel A., assignor.)
- Standard Pressed Steel Co. (See Hallowell, Howard T., assignor.)
- Standard Pressed Steel Co. (See Hallowell, H. T., and Bennett, assignors.)
- Standard Pressed Steel Co. (See Hallowell, H. T., Bennett and Morse, assignors.)
- Standard Process Corporation. (See Erickson, Emil, assignor.)
- Standard Register Company, The. (See Sherman, John Q., assignor.)
- Standard Ribbon Corporation. (See Krakauer, Philip, assignor.)
- Standard Sand & Machine Company, The. (See Boughton, Harry E., assignor.)
- Standard Sand & Machine Company, The. (See Simpson, Herbert S., assignor.)
- Standard Sanitary Manufacturing Company. (See Brain, George, assignor.)
- Standard Sanitary Mfg. Co. (See Sohn, E., and Meanor, assignors.)
- Standard Sanitary Manufacturing Company. (See Tafel, Theodore, jr., assignor.)
- Standard Sanitary Manufacturing Company. (See Woolfolk, Arthur P., assignor.)
- Standard Screw Company. (See Corlett, Webster D., assignor.)
- Standard Sealing Equipment Corporation of New York. (See Mudd, Garrett W., assignor.)
- Standard Shipping Company. (See Bolton, A., and Kedarward, assignors.)
- Standard Silicate Company, The. (See Bates, W. C., and Krosse, assignors.)
- Standard Stations, Incorporated. (See Marlowe, Glenn T., assignor.)
- Standard Steel Car Corporation of Delaware. (See Christianson, Andrew, assignor.)
- Standard Steel Car Corporation of Delaware. (See Christianson, A., and Anderson, assignors.)
- Standard Steel Spring Company. (See McMahon Harry R., assignor.)
- Standard Steel Works. (See Gredell, Otto N., assignor.)
- Standard Stoker Company, The. (See Hatch, Mellen C. M., assignor.)
- Standard Stoker Company, The. (See Hogg, Francis, assignor.)
- Standard Stoker Company, The. (See Ichter, John H., assignor.)
- Standard Stoker Company, The. (See Ketchpel, Paul A., assignor.)
- Standard Stoker Company. (See Lower, Nathan M., assignor.)
- Standard Stoker Company, The. (See Myers, John W., assignor.)
- Standard Stoker Company. (See Peyton, William C., assignor.)
- Standard Stoker Company, The. (See Surdy, Charles J., assignor.)
- Standard Stoker Company, The. (See Surdykowski, Charles J., assignor.)
- Standard Stoker Company. (See Surdykowski, Charles J., assignor (name legally changed to Charles J. Surdy).)
- Standard Stoker Company, The. (See Turner, Edwin A., assignor.)
- Standard Stoker Company. (See Turner, E. A., and Surdykowski, assignor.)
- Standard Stoker Company, Incorporated, The. (See Anderson, Howard P., assignor.)
- Standard Stoker Company, Incorporated, The. (See Hogg, Francis.)
- Standard Stoker Company, Incorporated, The. (See Hunt, Andrew M., assignor.)
- Standard Stoker Company, Incorporated, The. (See Lipbert, Elmer, assignor.)
- Standard Stoker Company, Incorporated, The. (See Lipnert, Henry E., assignor.)
- Standard Stoker Company, Incorporated, The. (See Lower, Nathan M., assignor.)
- Standard Stoker Company, Incorporated, The. (See Lower, William E., assignor.)
- Standard Stoker Company, Incorporated. (See Roesch, Frank P., assignor.)
- Standard Stoker Company, Incorporated. (See Surdykowski, Charles J., assignor.)
- Standard Stoker Company, Inc. (See Surdykowski, Charles J., assignor (by judicial change of name Charles J. Surdy).)
- Standard Stoker Company, Incorporated, The. (See Turner, Edwin A., assignor.)
- Standard Stoker Company, Incorporated, The. (See Woodbridge, Howard C., assignor.)
- Standard Ticket Games Corporation. (See Kirk, C. R., and Collision, assignors.)
- Standard Transformer Corporation. (See Bluzat, Claude R., assignor.)
- Standard-Trump Bros. Machine Company. (See Houseman, Harold E., assignor.)
- Standard-Trump Bros. Machine Company. (See Shelmire, Stanley R., assignor.)
- Standard Ventilator and Heater Co. Inc. (See La Mayeau, W. F., Farmer, and Smith, assignors.)
- Standervick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Elastic fluid turbine. 1,953,782; Apr. 3.
- Standervick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Regulating mechanism for prime movers. 1,966,225; July 10.
- Standifer, Thomas V., Newark, and R. L. Hatfield, East Orange, N. J.; said Hatfield assignor to said Standifer. Mechanical stoker and damper control for furnaces. 1,960,718; May 29.
- Standish, Edward K., Stoughton, Mass. Braiding machine. 1,955,206; Apr. 17.
- Standish, Edward K., Stoughton, Mass. Braiding machine. 1,958,098; May 8.
- Standish, Edward K., Stoughton, Mass. Braiding machine. 1,981,377; Nov. 20.
- Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-positioning means. 1,947,744; Feb. 20.
- Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,979,417; Nov. 6.
- Standlee, Harvey R., Tulsa, Okla., assignor to The Guiberon Corporation, Dallas, Tex. Tubing spider. 1,966,906; July 17.
- Standley, Albert H., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Shower pipe for suction rolls. 1,979,178; Oct. 30.
- Stanfield, Harry J. (See Nelson, J. B., and Stanfield.)
- Stanfield, Lawrence M., and H. Webb; said Webb assignor to L. K. Smith, Los Angeles, Calif. Swage for oil wells. 1,970,061; Aug. 14.
- Stanford, Leland H. (See Corbett, S. M., and Stanford.)
- Stanford Products. (See Shermund, Ralph C., assignor.)
- Stanford Products, Ltd. (See Brower, William M., assignor.)
- Stangeland, Ole, Chicago, Ill. Free wheel and back stop device. 1,948,082; Feb. 20.
- Stangl, Johann M., Flemington, assignor to Fulper Pottery Company, Trenton, N. J. Dish. Des. 94,169; Dec. 25.
- Stangle, William H. (See Geddes, N. R., and Stangle.)
- Stangle, William H. (See Geddes, N. B., Paxton, and Stangle.)
- Stangler, Jack, Comstock, N. Y. Lace tip. 1,970,152; Aug. 14.
- Staniland, Eric F., Olton, England. Bottle and like vessel. 1,941,632; Jan. 2.
- Stanislaw, Thomas, Newark, N. J. Fish and crab trap. 1,958,724; May 15.

- Stanitz, Jacques, assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Brake drum. 1,985,525; Dec. 25.
- Stanley, Arthur M., Lynn, assignor to Stanley Engineering, Inc., Boston, Mass. Welded spoke wheel. 1,970,438; Aug. 14.
- Stanley Chemical Co., The. (See O'Neill, Herbert W., assignor.)
- Stanley Engineering, Inc. (See Stanley, Arthur M., assignor.)
- Stanley, George E., Coventry, assignor to Small & Parkes Limited, Manchester, England. Plate clutch. 1,958,319; May 8.
- Stanley, George E., Coventry, assignor to Roper & Wrecks Limited, Sheffield, England. Clutch withdrawal collar. 1,966,146; July 10.
- Stanley, Henriette R., Brooklyn, N. Y. Bedpan cushion. 1,967,598; July 24.
- Stanley, Herbert M. (See Joshua, W. P., and Stanley.)
- Stanley, Herbert M. (See Joshua, W. P., Stanley, and Dymock.)
- Stanley Insulating Company. (See Badger, Harry M., assignor.)
- Stanley, Nathan M., Dayton, Ohio. Eyeglass lens and making same. 1,981,815; Nov. 20.
- Stanley, Richard W., Lockport, N. Y., assignor, by mesne assignments, to Laminating Patents Corporation, Seattle, Wash. Method and apparatus for spreading powdered materials. 1,949,980; Mar. 6.
- Stanley, Wendell M., Munich, Germany, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified castor oil. 1,955,348; Apr. 17.
- Stanley, William G., assignor to Postal Telegraph-Cable Company, New York, N. Y. Telegraph signaling system. 1,953,273; Apr. 3.
- Stanley Works, The. (See Brummel, H. P., and Zinsley, assignors.)
- Stanley Works, The. (See Case, Edward L., assignor.)
- Stanley Works, The. (See Cook, Harris J., assignor.)
- Stanley Works, The. (See Middleton, William E., assignor.)
- Stanley Works, The. (See Prindle, Frank P., assignor.)
- Stanley Works, The. (See Raymond, Horace H., assignor.)
- Stanley Works, The. (See Robinson, David M., assignor.)
- Stanley Works, The. (See Roby, S. S., and Raymond.)
- Stanley Works, The. (See Smith, H. L., and Stowell, assignors.)
- Stanley Works, The. (See Sorrow, Walter J., jr., assignor.)
- Stanley Works, The. (See Stowell, Austin L., assignor.)
- Stanley Works, The. (See Volz, Frederick A., assignor.)
- Stanolind Pipe Line Company. (See Stirling, J. Campbell, assignor.)
- Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,945,830; Feb. 6.
- Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control for dynamo-electric machines. 1,945,831; Feb. 6.
- Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Current regulating system. 1,954,028; Apr. 10.
- Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric hammer. 1,954,029; Apr. 10.
- Stansbury, Carroll, Wauwatosa, and G. C. Brown, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controller. 1,980,707; Nov. 13.
- Stansbury, Miller, Washington, D. C. Radiocabinet or the like. Des. 91,545; Feb. 20.
- Stansbury, Miller, Washington, D. C. Mounting support for automobile wheels. 1,966,770; July 17.
- Stansbury, William L., Mountain View, Calif. Dental crown gauge. 1,950,865; Mar. 13.
- Stant, Kyle E., Connersville, Ind. Closure cap. 1,960,928; May 29.
- Stant, Kyle E., Connersville, Ind. Filler cap. 1,964,277; June 26.
- Stant, Kyle E., Connersville, Ind. Lid type locking cap. 1,968,324; July 31.
- Stanton, Gay A., Battle Creek, Mich. Spring suspension for vehicles. 1,946,769; Feb. 13.
- Stanton Ironworks Company Limited, The. (See Wilson, Percy H., assignor.)
- Stanton, Myles J., Pittsfield, Mass., assignor to General Electric Company. Bearing lubricator. 1,954,685; Apr. 10.
- Stanworth, James. (See Stanworth, Stephen, assignor.)
- Stanworth, Stephen, assignor of one-half to J. Stanworth, Burnley, England. Moisture determining apparatus. 1,976,752; Oct. 16.
- Stanyan, Starr W., Boston, assignor to Hoague-Sprague Corporation, Lynn, Mass. Package holder. 1,976,811; Oct. 16.
- Stapledon, Greigg N. D., Detroit, assignor of one half to O. C. Ford, Richmond, Mich. Back band curtain rod and drapery bracket. 1,969,913; Aug. 14.
- Stapler, Florice A., Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Diaphragm. 1,984,439; Dec. 18.
- Staples, Earle I., assignor of one-half to F. C. Williams, San Francisco, Calif. Incinerator. 1,952,389; Mar. 27.
- Staples, Evans M., assignor to Aluminum Industries, Inc., Cincinnati, Ohio. Molding machine. 1,979,581; Nov. 6.
- Staples, Harry R. (See Lynch, T. L., Rilling, and Redfield, assignor.)
- Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Apparatus for making hollow cables. 1,961,833; June 5.
- Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Connector for hollow cables. 1,973,322; Sept. 11.
- Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Making electrical conductors. 1,980,363; Nov. 13.
- Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Flexible electric conductor. 1,984,553; Dec. 18.
- Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Hollow cable. 1,984,554; Dec. 18.
- Staples, Horace A., Plainfield, N. J., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Flexible electric conductor. 1,984,555; Dec. 18.
- Staples, John W., Haverhill, and W. C. Brooks, Groveland, assignors to Pope Machinery Corporation, Haverhill, Mass. Heel-concaving machine. 1,984,900; Dec. 18.
- Staples, Robert T., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable conductor winding. 1,950,126; Mar. 6.
- Stapling Machines Co. (See Babcock, G. C., and Stivers, assignors.)
- Stapling Machines Co. (See Earp, James P., assignor.)
- Stapp, Philipp, Munich, Germany. Producing solid carbon dioxide. 1,981,675; Nov. 20.
- Stapp, Philipp, Munich, Germany. Apparatus for the production of solid carbon dioxide. 1,981,676; Nov. 20.
- Star Drilling Machine Company, The. (See Heinisch, G., and Krupp, assignors.)
- Star, Richard, Brooklyn, N. Y., deceased; Frank Kruth, administrator. Water motor. 1,973,670; Sept. 11.
- Star, Richard, deceased, Brooklyn, N. Y.; F. Kruth, administrator. Ship's log. 1,978,331; Oct. 23.
- Star, Richard, deceased, Brooklyn, N. Y.; F. Kruth, administrator. Tank gauge. 1,982,970; Dec. 4.
- Star-Service Hanger Company. (See Simmons, Stanley C. and H. M., assignors.)
- Star Sprinkler Corporation. (See Griffith, William B., assignor.)
- Starbald, Fred S. (See Miller, B. F., and Starbald.)
- Starbuck, Ernest, Peoria, Ill. Clutch. 1,946,038; Feb. 6.
- Starck, William A., Milwaukee, Wis. Refillable multiple fuse units. 1,974,694; Sept. 25.
- Stargardt, Albert R., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Treating steel. 1,948,192; Feb. 20.
- Stargardt, Albert R., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Bimetallic spring. 1,977,458; Oct. 16.
- Stargel, Tren G. (See Scown, G. L., Stargel, and Mayer.)
- Starie, George B., Schenectady, N. Y., assignor to General Electric Company. System of motor control. 1,981,528; Nov. 20.
- Staritzky, Eugene, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Precoating in filtration. 1,946,039; Feb. 6.
- Stark Bro's Nurseries & Orchards Company. (See Uecker, William, assignor.)
- Stark, David, Arverne, N. Y. Shoe. 1,981,677; Nov. 20.
- Stark, Joseph, Bronx, N. Y. Air cooling device. 1,961,799; June 5.
- Stark, Joseph W. (See Goldsmith, B. J., and Stark.)
- Stark, Nathan I., Philadelphia, Pa. Bookholder. 1,942,456; Jan. 9.
- Stark, Robert A., assignor to Mittag & Volger, Incorporated, Park Ridge, N. J. Transfer element. 1,953,316; Apr. 3.
- Stark, Robert S. (See Macartney, J. H., and Stark.)
- Stark Tool Company. (See Potter, Frederick T., assignor.)
- Stark, Willet E., East Cleveland, assignor, by mesne assignments, to The Bryant Heater Company, Cleveland, Ohio. Control for fuel burners. 1,982,031; Nov. 27.
- Starke, Howard R., Riverside, assignor to Riverside Cement Company, Los Angeles, Calif. Cement product and making the same. 1,947,504; Feb. 20.
- Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,946,816; Feb. 13.
- Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,953,370; Apr. 3.
- Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Automotive clutch. 1,962,219; June 12.
- Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,966,267; July 10.
- Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,983,824; Dec. 11.
- Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,985,287; Dec. 25.
- Starks, Charles D., Far Rockaway, N. Y. Crab net. 1,984,239; Dec. 11.
- Starkweather, Howard W., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process for polymerizing chlorobutadiene. 1,950,437; Mar. 13.

- Starline, Inc. (See Ferris, Robert G., assignor.)
- Starr, Alden B., Brooklyn, N. Y., assignor to Knapp-Monarch Company. Toaster device. 1,944,473; Jan. 23.
- Starr, Alden B., Brooklyn, N. Y., assignor to Knapp-Monarch Company. Toaster device. 1,949,361; Feb. 27.
- Starr, Charles E., Whittier, assignor to Perfecto Gear Differential Co., Los Angeles, Calif. Speed change axle. 1,965,266; July 3.
- Starr, Emil M., Pasadena, Calif., assignor to A. E. Feragen, Inc., Seattle, Wash. Wheel gauge. 1,985,330; Dec. 25.
- Starr, James H., Oak Park, assignor to Electrical Engineers Equipment Company, Melrose Park, Ill. Dashpot. 1,947,810; Feb. 20.
- Starr, Joseph F. (See Bizzarro, Ralph, assignor.)
- Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor attachment. 1,970,949; Aug. 21.
- Starrett Building Company, et al. (See Clark, Malcolm S., assignor.)
- Starrett, Henry F., Chicago, Ill. Panel distributing board. 1,981,929; Nov. 27.
- Starrett, L. S., Company, The. (See Simpson, Robert J. O., assignor.)
- Starrett, L. S., Company, The. (See Sisson, James G., assignor.)
- Starick, Claude S., Walled Lake, assignor of one-half to W. A. Ludlow, Pontiac, Mich. Burial casket. 1,950,823; Mar. 13.
- State Holding Co. (See Goodman, Louis, assignor.)
- States Company, The. (See Blakeslee, Henry J., assignor.)
- States Company, The. (See Lewis, Morgan J., assignor.)
- States, Marshall N., Evanston, Ill., assignor to Central Scientific Company. Hand torch. 1,957,855; May 8.
- States, Marshall N., Evanston, Ill., assignor to Central Scientific Company. Automatic pressure regulator for vacuum discharge tubes. 1,975,561; Oct. 2.
- Statham, Noel, Irvington-upon-Hudson, N. Y. Adjustable fastening device. Re19,356; Oct. 30.
- Statham, Noel, Irvington-on-the-Hudson, N. Y. Assisting in the mooring of zeppelins and the like. 1,949,888; Mar. 6.
- Statham, Noel, Irvington-on-the-Hudson, N. Y. Shaving brush. 1,950,155; Mar. 6.
- Statham, Noel, Irvington, N. Y., and T. G. Leek, Covington, Va., assignors to Industrial Chemical Sales Company, Inc., New York, N. Y. Paper and process of and apparatus for making the same. 1,983,572; Dec. 11.
- Stathas, John P., Chicago, Ill. Internal combustion engine. 1,946,718; Feb. 13.
- Stationers Loose Leaf Company. (See Lotter, Adolph G., assignor.)
- Statter, Benjamin H. (See Warr, E. H., and Statter.)
- Statter, Estella E., Sioux City, Iowa. Buckle. Des. 92,375; May 29.
- Statton Furniture Manufacture Company, The. (See McClure, Frances M., assignor.)
- Statz, John. (See Johnson, P. R., Statz, and Wallsten.)
- Statz, John, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Adjustable dieholder. 1,963,064; June 19.
- Statz, Robert J., South Bend, Ind., assignor to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Brake testing apparatus. 1,963,216; June 19.
- Statz, Robert J., South Bend, Ind., assignor to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Shoe burnisher. 1,969,861; Aug. 14.
- Statz, Robert J., South Bend, Ind., assignor to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Automobile wheel gauge. 1,981,476; Nov. 20.
- Staub, Edward E., and O. A. Nitsch, Detroit, Mich. Electric terminal connector. 1,960,191; May 22.
- Staub, Emil, et al. (See Ziehe, Wilhelm, assignor.)
- Staub, Herman. (See Krisslieb, M., and Staub.)
- Staub, Hugh, et al. (See Ziehe, Wilhelm, assignor.)
- Staub, Max. (See Brühl, Paul, assignor.)
- Stauber, Alois. (See Brichle, A., Albert, and Stauber.)
- Staubo, Rolf, Skien, Norway. Automatic manufacture of threaded nuts. 1,961,868; June 5.
- Staud, Cyril J. (See Brooker, L. G. S., and Staud.)
- Staud, Cyril J. (See Fuess, J. T., and Staud.)
- Staud, Cyril J. (See Murray, T. F., Jr., and Staud.)
- Staud, Cyril J. (See Richardson, E. E., and Staud.)
- Staud, Cyril J. (See Webber, C. S., and Staud.)
- Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Superficial coating for photographic elements. 1,954,337; Apr. 10.
- Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Protective overcoating. 1,958,683; May 15.
- Staud, Cyril J., and T. F. Murray, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Production of low viscosity cellulose derivatives. 1,946,654; Feb. 13.
- Staud, Cyril J., and T. F. Murray, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition comprising a phthalic acid ester of a monoether of hydroquinone. 1,950,907; Mar. 13.
- Staud, Cyril J., Rochester, N. Y., and C. E. Waring, Dayton, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose nitro-acetate with nitro-cellulose. 1,981,396; Nov. 20.
- Staud, Cyril J., and J. T. Fuess, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of cellulose nitrate-acylate. 1,984,093; Dec. 11.
- Staud, Cyril J., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of benzyl esters of cellulose acetate phthalate. 1,984,094; Dec. 11.
- Staud, Cyril J., and C. S. Webber, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose derivative solvent and composition. 1,954,336; Apr. 10.
- Staud, Cyril J., and C. S. Webber, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of mixed cellulose esters. 1,957,856; May 8.
- Staud, Cyril J., and L. M. Minsk, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate compositions containing ethylene chloride and an amino plasticizer. 1,957,857; May 8.
- Staud, Edwin G., Minneapolis, Minn. Lined moisture-proof carton and making same. 1,947,664; Feb. 20.
- Staud, Edwin G., Minneapolis, Minn. Blank feeder. 1,948,362; Feb. 20.
- Staud, Edwin G., Minneapolis, Minn. Adhesive applying and registering mechanism. 1,969,106; Aug. 7.
- Staud, Edwin G., Minneapolis, Minn. Tractor attachment for automobiles. 1,972,694; Sept. 4.
- Staud, Edwin G., Minneapolis, Minn. Automatic closure control. 1,972,695; Sept. 4.
- Staud, Edwin G., Minneapolis, Minn. Pedal switch. 1,975,182; Oct. 2.
- Staud, Edwin G., Minneapolis, Minn. Pedal switch. 1,975,521; Oct. 2.
- Stauf, Friedrich W. (See Hagenest, H., and Stauf.)
- Stauf, Richard, and K. Konopicky, Vienna, Austria, assignors to Alterra A. G., Luxembourg, Luxembourg. Treating argillaceous material. 1,956,139; Apr. 24.
- Stauf, Richard, and K. Konopicky, Vienna, Austria, assignors to the firm Alterra A. G., Luxembourg. Extracting the impurities from mineral raw materials. 1,959,448; May 22.
- Stauffer, Jacob K., Boyertown, Pa. Emptying chute or gate. 1,961,307; June 5.
- Stauffer, Orton B., Berea, Ohio. Tube closure valve. 1,956,880; May 1.
- Stauffer, William O., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Crystallizing varnish. 1,954,835; Apr. 17.
- Staugaard, Hans H., Detroit, Mich. Collapsible trailer vehicle. 1,982,935; Dec. 4.
- Staunton, Le Roy W., South Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Radio apparatus. 1,953,135; Apr. 3.
- Stave, Cecil H., Kensington, London, assignor to Donlarm Limited, London, England. Thermal switch. 1,982,548; Nov. 27.
- Stavely, Roland, E. M. and P. A. Robinson, Sydney, New South Wales, Australia; said E. M. and P. A. Robinson assignors to said Stavely. Apparatus for simulated card games. 1,942,376; Jan. 2.
- Staver, Harry B., Chicago, Ill. Dog racing apparatus. 1,981,678; Nov. 20.
- Stay-On Manufacturing Company, The. (See Jamison, Robert H., assignor.)
- Stay-On Mfg. Company, The. (See Loeber, Edgar O., assignor.)
- Stayton, William H., and L. Livingston, Washington, D. C. Portable putting device. 1,973,513; Sept. 11.
- Sté de Recherches et de Perfectionnements Industriels. (See Toulon, Pierre M. G., assignor.)
- Stead, Frank, Woonsocket, R. I. Loom reed. 1,953,371; Apr. 3.
- Stead Rail Anchor Company, The. (See Cooper, Francis W., assignor.)
- Steadley, Kent D., Carthage, Mo. Automatic means controlling feed of wire to wire working machines. 1,952,782; Mar. 27.
- Steadley, Kent D., Carthage, Mo. Spring assembly structure. 1,974,347; Sept. 18.
- Stearns, Frank B., Shaker Heights, Ohio. Internal combustion engine. 1,959,278; May 15.
- Stearns, Frank B., Shaker Heights, Ohio. Bearing. 1,959,279; May 15.
- Stearns, Frank H., Highland Park, Mich., and O. Neumer, Glenside, assignors to S K F Industries, Inc., Philadelphia, Pa. Sound insulated shaft mounting. 1,983,713; Dec. 11.
- Stearns, Frederick, & Company. (See Legerlotz, Helmut, assignor.)
- Stearns, Pearl J., Mount Carmel, Pa. Notch plate. 1,946,720; Feb. 13.
- Stearns-Stafford Roller Bearing Company. (See Packer, Oswald F., assignor.)
- Steatite and Porcelain Products Limited. (See Halton, Geoffrey H., assignor.)
- Stebler, Fred, Riverside, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Washing fruit. 1,945,922; Feb. 6.
- Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Progressor for a transverse brush fruit treating machine. 1,954,654; Apr. 10.
- Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Feeding device. 1,970,107; Aug. 14.
- Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Drying apparatus. 1,982,082; Nov. 27.
- Stebler, Fred, Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Fruit waxing and polishing machine. 1,985,555; Dec. 25.

- Stebler, Fred. and G. E. Stilwell, Riverside, assignors to Food Machinery Corporation, San Jose, Calif. Box dumping machine. 1,955,983; Apr. 24.
- Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Motion picture projecting machine. 1,975,336; Oct. 2.
- Stecher, Charles, Chicago, Ill. Sealing compound applying machine. 1,976,860; Oct. 16.
- Stecher, Charles, Chicago, Ill. Drying machine. 1,985,697; Dec. 25.
- Stecher, Henry D. (See Bosworth, F. M., and Stecher.)
- Stecher, Joseph L. (See Calcott, W. S., Parmelee, and Stecher.)
- Stech, Fred H., assignor to General Supply Company, Los Angeles, Calif. Roof frame. 1,951,634; Mar. 20.
- Steckel, Abram P., assignor to The Gold Metal Process Company, Youngstown, Ohio. Method and apparatus for hot rolling strip metal. 1,977,214; Oct. 16.
- Steckel, Abram P., and H. S. Lamb, assignors to The Cold Metal Process Company, Youngstown, Ohio. Reduction of metallic bodies. 1,968,790; July 31.
- Steckler, Nat P., New York, N. Y. Bottle cap. Des. 91,854; Mar. 27.
- Stedefeld, Curt, et al. (See Barske, Ulrich, assignor.)
- Stedefeld, Curt. (See Kruckenberg, F., and Stedefeld.)
- Stedefeld, Curt. (See Kruckenberg, F., Stedefeld, and Black.)
- Stedman, Harry E. (See Fisher, J. R., and Stedman.)
- Stedman, Jacob C., Memphis, Tenn. Lunch room kitchen cabinet. Des. 92,565; June 19.
- Stedman, Joseph F., Brooklyn, N. Y. Catholic mass prayer clock dial or similar article. Des. 93,144; Aug. 21.
- Steeb, George, Buffalo, N. Y. Ventilator. 1,961,800; June 5.
- Steeb, Harry L., Moline, assignor of three-fourths to C. H. Dooley, Rock Island, Ill. Forming flanged castings. 1,954,460; Apr. 10.
- Steel, Harry L., La Fayette, Ind. Soil pulverizer. 1,971,540; Aug. 28.
- Steel, Harry L., assignor of three-tenths to P. A. Russell and two-tenths to F. O. Evans, trustee, La Fayette, Ind. Corn harvester. 1,978,968; Oct. 30.
- Steel, Joseph I. (See Cobb, J. F., and Steel.)
- Steeldraulic Brake Corporation. (See Sneed, John J., assignor.)
- Steel Equipment Company, The. (See Cruikshank, Dwight P., assignor.)
- Steel Heddle Manufacturing Company. (See Hassold, Victor C., assignor.)
- Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
- Steel Heddle Manufacturing Company. (See Ragan, Ralph, assignor.)
- Steel Materials Company. (See Misner, Edgar D., assignor.)
- Steel Materials Company. (See Serenberg, R. A., and C. and P. Marienthal.)
- Steel and Tubes, Inc. (See Hallden, Karl W., assignor.)
- Steel and Tubes, Inc. (See Lawson, John F., assignor.)
- Steel & Tubes, Inc. (See Reinert, C. H., and Lawrence, Inc.)
- Steel and Tubes, Inc. (See Rouge, F. K., Steele, and Smith, assignors.)
- Steel-Weld Equipment Corporation Ltd. (See Re Qua, Frederick L., assignor.)
- Steele, Alvin B., New York, N. Y. Door opening and closing device. 1,969,767; Aug. 14.
- Steele, Claude A., assignor of three-fourths to J. H. Wenandy and J. A. Greenwood, Cheyenne, Wyo. Hill dropping attachment for planters. 1,958,868; May 15.
- Steele, Edwin G. (See Sutton, H. M., and W. L. and E. G. Steele.)
- Steele, Frank P., De Witt, Nebr. Invalid bed attachment. 1,968,970; Aug. 7.
- Steele, Harry V., Auburn, and V. R. Despard, assignors to Pass & Seymour, Inc., Syracuse, N. Y. Face plate for electrical devices. Des. 92,326; May 22.
- Steele, James R. (See Moore, G. L., and Steele.)
- Steele, John G., Latrobe, Pa. Suction line for storage tanks. 1,966,998; July 17.
- Steele, Lawrence L., assignor to The Essen Laboratories, Incorporated, Washington, D. C. Protected motion picture film and making same. 1,946,004; Feb. 6.
- Steele, Lawrence L., assignor to The Essen Laboratories, Incorporated, Washington, D. C. Coated motion picture film. 1,946,005; Feb. 6.
- Steele, Mabbott B. (See Rouge, F. K., Steele, and Smith.)
- Steele, Maurice G., Rome, N. Y. Toy. 1,971,735; Aug. 28.
- Steele, Minnie F., et al. (See Reuther, Bernard O., assignor.)
- Steele, Robert L., 3d, Rockingham, N. C. Lining for fruit baskets. Re19,168; May 15.
- Steele, Walter L. (See Sutton, H. M., and W. L. and E. G. Steele.)
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,297; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,298; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,299; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,300; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,301; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,302; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,303; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,304; Sept. 11.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,684; Oct. 25.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,685; Oct. 25.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,686; Oct. 23.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,687; Oct. 23.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,688; Oct. 23.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,689; Oct. 23.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,690; Oct. 23.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,691; Oct. 23.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,692; Oct. 23.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,798; Nov. 6.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,799; Nov. 6.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,895; Nov. 20.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,896; Nov. 20.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 93,949; Nov. 27.
- Steelman, James S., Millville, N. J., assignor to Whitall Tatum Company, New York, N. Y. Bottle. Des. 94,170; Dec. 25.
- Steen, Carl W. (See Herndon, J. B., jr., Hope, and Steen.)
- Steen, Harry G., Philadelphia, Pa. Gymnastic apparatus. 1,973,448; Sept. 11.
- Steen, Harry S., assignor to Chicago Faucet Company, Chicago, Ill. Valve. 1,965,322; July 3.
- Steen, Harry S., assignor to Chicago Faucet Company, Chicago, Ill. Waste apparatus. 1,984,950; Dec. 18.
- Steenek, Robert. (See Long, J. W., and Steenek.)
- Steenek, Robert, assignor to The Western Union Telegraph Company, New York, N. Y. Signal transmitting apparatus. 1,945,470; Jan. 30.
- Steenek, Robert F., Detroit, Mich., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,974,590; Sept. 25.
- Steenek, Robert F., Detroit, Mich., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,974,591; Sept. 25.
- Steenrod, William J., Kalamazoo, Mich., assignor to Remington Rand Inc., Buffalo, N. Y. Loose leaf binder. 1,976,198; Oct. 9.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 1,955,701; Apr. 17.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Float valve for refrigerating systems. 1,955,702; Apr. 17.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Condenser for refrigerating machines. 1,967,106; July 17.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 1,974,317; Sept. 18.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Apparatus and method for making ice cream. 1,978,176; Oct. 23.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Water cooler. 1,985,064; Dec. 18.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating system. 1,985,065; Dec. 18.
- Steenweg, William F., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Radio resistor. 1,976,901; Oct. 16.

- Steeré, Clarence E., Los Angeles, Calif. Dough divider. 1,966,147; July 10.
- Steere, Clarence E., Los Angeles, assignor to M. A. Dorland, Redondo Beach, Calif. Dough divider. 1,954,501; Apr. 10.
- Steere, Frank W., Scarsdale, assignor of one-half to Semet-Solvay Engineering Corporation, and one-half to Air Reduction Company, Inc., New York, N. Y. Heat treatment of liquids. 1,942,191; Jan. 2.
- Steere, Frank W., Scarsdale, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Recovery of waste heat in water gas operations. 1,967,013; July 17.
- Steere, Frank W., Scarsdale, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Fuel support for gas generators and other combustion apparatus. 1,984,015; Dec. 11.
- Steere, George R., West Hartford, Conn., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Control device for charging machines. 1,970,153; Aug. 14.
- Steere, George R., West Hartford, Conn., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Control for charging machines. 1,970,155; Aug. 14.
- Steere, William J., assignor to Dixie Manufacturing Company, Inc., Rockwood, Tenn. Chain severing mechanism for looping machines. 1,954,544; Apr. 10.
- Steerup, Godfrey, Maywood, Ill., assignor to American Can Company, New York, N. Y. Apparatus for sterilizing container parts. 1,958,449; May 15.
- Steffen, Charles G., South Jamaica, assignor to New York Dugan Brothers, Inc., Brooklyn, N. Y. Machine for applying or spreading nut meats to bakery products. 1,966,268; July 10.
- Steffen, Charles G., South Jamaica, assignor to New York Dugan Brothers, Inc., Brooklyn, N. Y. Machine for dividing dough and the like. 1,966,269; July 10.
- Steffen, Elmer G., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control device. 1,967,727; July 24.
- Steffen, Erich. (See Van Voorhees, B., Steffen, and Parsons.)
- Steffen, Erich, Duisburg-Meiderich, Germany. Conversion of oxygen containing carbon substances. 1,950,460; Mar. 13.
- Steffen, Erich, Elizabeth, N. J., B. Van Voorhees, New York, N. Y., and L. W. Parsons, Westfield, assignors of three-fourths to Tide Water Oil Company, Bayonne, N. J. Two stage method of hydrogenation. 1,974,057; Sept. 18.
- Steffen, Ernest, San Francisco, Calif. Finger ring. Des. 91,546; Feb. 20.
- Steffen, Ernest, San Francisco, Calif. Finger ring. Des. 91,547; Feb. 20.
- Steffens, Walter L., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Heat insulating and sound deadening material. 1,974,519; Sept. 25.
- Stegeman, Henry J. (See Locke, S. D., and Stegeman.)
- Stegeman, Henry J., Fairfield, and L. W. Barnes, Trumbull, assignors to The Locke Steel Chain Company, Bridgeport, Conn. Power-driven lawn mower. 1,944,584; Jan. 23.
- Stegeman, Henry J., Fairfield, and S. D. Locke, assignors to The Locke Steel Chain Company, Bridgeport, Conn. Power driven lawn mower. 1,947,117; Feb. 13.
- Stegeman, Henry J., Fairfield, and L. W. Barnes, Trumbull, assignors to The Locke Steel Chain Company, Bridgeport, Conn. Driving connection. 1,966,528; July 17.
- Stegmann, Karl, Bautzen, assignor to John-Werk Gräfische Maschinen-Aktiengesellschaft, Bautzen, Germany. Knife carrier for paper-cutting machines. 1,941,957; Jan. 2.
- Stehly, Ernest T. (See Carswell, Y. S., Stehly, and Alozeri.)
- Stehley, Roszel A., Philadelphia, Pa. Dry heat dental press. 1,952,951; Mar. 27.
- Stehli, Robert H., Zurich, Switzerland. Loom shuttle adapted for automatically stopping the loom on substantial depletion of the weft. 1,970,062; Aug. 14.
- Stehlik, Rudolph F., assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,942,671; Jan. 9.
- Stehlik, Rudolph F., assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,944,698; Jan. 23.
- Steiff, Hugo, Giengen-on-the-Brenz, Germany. Model airplane. 1,952,952; Mar. 27.
- Steiger, Carl E., assignor to Deltex Rug Company, Oshkosh, Wis. Combination grass and wood fiber rug. 1,984,046; Dec. 11.
- Steiger, Norbert, Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 4,5-dimethyl-7-chloro-oxythionaphthene and its indigoid derivatives. 1,945,923; Feb. 6.
- Steiger, Walther, Bern, Switzerland. Two stroke self-igniting internal combustion engine. 1,983,198; Dec. 4.
- Steigerwald, Albert P. (See Steigerwald, Edward S. and A. P.)
- Steigerwald, Christian, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion of methane into liquid hydrocarbons. 1,958,648; May 15.
- Steigerwald, Edward S. and A. P., Cleveland, Ohio. Convertible rest. 1,985,807; Dec. 25.
- Steigman, Israel N., Brooklyn, N. Y. Electrical pickup. 1,967,335; July 24.
- Stein, A., & Company. (See Stein, Sigmund, assignor.)
- Stein, Alfred E., Saffle, Sweden. Contractible spool. 1,969,281; Aug. 7.
- Stein, Berthold. (See Nawiasky, P., Stein, and Krause.)
- Stein, Berthold. (See Nawiasky, P., Stein, and Vilsmeier.)
- Stein, Berthold, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone derivative. 1,957,084; May 1.
- Stein, Berthold, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone dyestuffs. 1,957,858; May 8.
- Stein, Berthold, Mannheim-on-the-Rhine, and E. Honold, Frankfurt-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series and making same. 1,968,178; July 31.
- Stein, Charles F., La Grange, Ill. Piano. 1,953,544; Apr. 3.
- Stein, Charles M., assignor to Société Anonyme Fours et Appareils Stein, Paris, France. Apparatus for the removal of solid substances in suspension in a current of gas. 1,950,069; Mar. 6.
- Stein, Edward J., Belle Vernon, assignor to American Window Glass Company, Pittsburgh, Pa. Cutting table. 1,969,584; Aug. 7.
- Stein, Eugene R., St. Louis, Mo. Container. 1,962,468; June 12.
- Stein, Friedrich, Heidenheim-on-the-Brenz, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Württemberg, Germany. Device for copying on machine tools. Re19,334; Oct. 2.
- Stein, Hall Manufacturing Company. (See Bauer, Hans F., assignor.)
- Stein, Harold J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Making track links. 1,959,744; May 22.
- Stein, Harry T., Jennings, Mo. Valve for vacuum systems. 1,957,812; May 8.
- Stein, Henry G. (See Rose, R. N., and Stein.)
- Stein, Irving L. (See Bennington, C. H., and Stein.)
- Stein, Joseph S., Highland Park, assignor to Lucien Lelong, Inc., Chicago, Ill. Bottle or similar article. Des. 91,372; Jan. 16.
- Stein, Joseph S., assignor to Lucien Lelong Inc., Chicago, Ill. Bottle or similar article. Des. 91,504; Feb. 13.
- Stein, Joseph S., assignor to Lucien Lelong Inc., Chicago, Ill. Container or similar article. Des. 92,827; July 17.
- Stein, Joseph S., Highland Park, assignor to L. Lelong, Inc., Chicago, Ill. Perfume container or similar article. Des. 94,001; Dec. 4.
- Stein, Leonhard. (See Bockmühl, M., Ehrhart, and Stein.)
- Stein, Louis, Minneapolis, and W. C. Peters, St. Paul, Minn. Gas pilot and burner. 1,974,975; Sept. 25.
- Stein, Louis H., assignor to Aetna Ball Bearing Manufacturing Company, Chicago, Ill. Ball bearing. 1,958,725; May 15.
- Stein, Otto. (See Bruson, H. A., Robinson, and Stein.)
- Stein, Otto. (See Bruson, H. A., and Stein.)
- Stein, Philip, Chicago, Ill. Table lamp. 1,963,477; June 19.
- Stein, Raphael, assignor of one half to D. T. Berlzheimer, Philadelphia, Pa. Brake. 1,947,811; Feb. 20.
- Stein, Robert, Seguin, Tex. Threshing machine. 1,951,070; Mar. 13.
- Stein, Robert M., Baltimore, Md. Parking light. 1,984,817; Dec. 18.
- Stein, Samuel B., assignor to Consolidated Mounting and Finishing Corp., New York, N. Y. Inner packet display device. 1,960,558; May 29.
- Stein, Sigmund, New York, N. Y., assignor to A. Stein & Company, Chicago, Ill. Apparel belt. Des. 92,045; Apr. 17.
- Stein, Theodor, Berlin-Grunewald, and G. Wunsch, Steglitz, near Berlin, assignors to Askania-Werke Aktiengesellschaft, vormals Centralwerkstatt Dessau und C. Bamberg Friedenau, Berlin-Friedenau, and Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Device for regulating power generating plants, especially electricity works. Re19,114; Mar. 13.
- Stein- und Thonindustrie-Gesellschaft "Broththal". (See Polf, Hans, assignor, and Eduard.)
- Stein, William P., Rochester, N. Y. Paper box opening machine. 1,976,150; Oct. 9.
- Steinbacher, Karl, Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Charging rotating skip bucket. 1,963,764; June 19.
- Steinbacher, Le Roy S., and R. W. Taylor, Battle Creek, Mich. Shield for neon tubes. 1,982,552; Nov. 27.
- Steinberg, John C., Sparta, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission with narrowed band. 1,948,973; Feb. 27.
- Steinberg, Morris, Detroit, Mich. Card index. 1,966,742; July 17.
- Steinberg, Samuel, New York, N. Y. Marking paper. 1,941,633; Jan. 2.
- Steinberg, Willy, Berlin, Germany. Valve control means. 1,976,417; Oct. 9.
- Steinberger, Alfred J. (See Walsh, J. F., and Steinberger.)
- Steinberger Bros. Glove Corporation. (See Chanut, Paul A., assignor.)
- Steinberger Bros. Glove Corporation. (See Steinberger, Irwin, assignor.)
- Steinberger, Franz K. (See Roth, P. B., Elvert, and Steinberger.)

- Steinberger, Irwin, assignor to Steinberger Bros. Glove Corporation, New York, N. Y. Glove. 1,984,240; Dec. 11.
- Steindler, Leslie L., Mamaroneck, N. Y., assignor of one-fourth to C. B. Waters, Montclair, N. J. Automobile heating apparatus and system. 1,943,350; Jan. 16.
- Steindorf, Harry W. (See Barnett, C. A., and Steindorf.)
- Steindorf, Adolf, K. Pfaff, and M. Erlenbach, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Seed grain dressings and preparing them. 1,947,926; Feb. 20.
- Steindorf, Adolf, and K. Pfaff, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Product for killing or eliminating flies and process of preparing it. 1,975,054; Sept. 25.
- Steindorf, Adolf, K. Daimler, and K. Platz, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Ether-like constituted compound having wetting, dispersing, emulsifying, and washing properties. 1,985,747; Dec. 25.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Auxiliary power wheel feed. 1,945,453; Jan. 30.
- Steiner, Carl W., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,945,924; Feb. 6.
- Steiner, Charles E., Detroit, Mich. Casing for indicators such as thermometers, barometers, clocks, and the like. Des. 92,500; June 12.
- Steiner, Ernest, New York, N. Y. Double clip pin. Des. 92,376; May 29.
- Steiner, Ernest K., Dayton, Ohio. Mechanical toy. Des. 92,046; Apr. 17.
- Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Mirror mounting. 1,981,971; Nov. 27.
- Steiner, Frank M., Minneapolis, Minn. Combined coat and shirt. 1,970,985; Aug. 21.
- Steiner, Frank M., and A. L. Overholt, Minneapolis, assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,933,646; Dec. 11.
- Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 1,983,647; Dec. 11.
- Steiner, Gottlieb, assignor to Scintilla Aktiengesellschaft, Solothurn, Switzerland. High tension distributor for the ignition systems of internal combustion engines. 1,950,461; Mar. 13.
- Steiner, Joseph C., Chicago, Ill. Burial vault. 1,969,631; Aug. 7.
- Steiner, Leo, Budapest, Hungary. Grinding and polishing machine for cutting tools. 1,941,501; Jan. 2.
- Steiner Liberty Corporation. (See Sochel, George Y., assignor.)
- Steiner, Otto. (See Morshach, K., Steiner, and Lölkes.)
- Steiner Sales Company. (See Card, Anice, assignor.)
- Steiner Sales Company. (See Overholt, Albert L., assignor.)
- Steiner Sales Company. (See Steiner, Frank G., assignor.)
- Steiner Sales Company. (See Steiner, F., and Overholt, assignors.)
- Steiner Sales Company. (See Steiner, George A., assignor.)
- Steiner Sales Company. (See Tyler, Tracy B., assignor.)
- Steingrover, Friedrich A., Dresden, and R. Zellmann, Radebeul, assignors to Chemische Fabrik von Heyden A. G., Radebeul, near Dresden, Germany. Manufacture of phenols from halogenated hydrocarbons. 1,961,834; June 5.
- Steingruber, George. (See Richardson, William, assignor.)
- Steinhagen, Ewald D., Wauwatosa, assignor to S. M. Siesel Co., Milwaukee, Wis. Casting piling. 1,945,167; Jan. 30.
- Steinicke, Frank H., Elmira, N. Y., assignor to American-La France and Foamite Corporation. Fire extinguishing. 1,959,553; May 22.
- Steinicke, Frank H., and H. J. Keller, Elmira, N. Y., assignors to American La France and Foamite Corporation. Apparatus for extinguishing tank fires. 1,956,083; Apr. 24.
- Steinke, Max H., Stamford, Conn. Pencil sharpening device. 1,965,610; July 10.
- Steinkopf, Wilhelm, et al. (See Kochling, Paul F. A., assignor.)
- Steinle, Adolf, Jena, Germany, assignor to firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco", Venlo, Netherlands. Periscope head. 1,951,849; Mar. 20.
- Steinle, Adolf, and O. Schreiber, Jena, Germany, assignors to the firm N. V. Nederlandsche Instrumenten Compagnie "Nedinsco", Venlo, Netherlands. Stabilized rangefinder. 1,981,529; Nov. 20.
- Steinman, Frederick W., Beaumont, Tex. Underreamer. 1,970,063; Aug. 14.
- Steinman, William. (See Cross, P. A., and Steinman.)
- Steinmann, Walter, Bloomfield, assignor to United Shoe Machinery Corporation, Paterson, N. J. Mechanism for feeding signatures. 1,961,401; June 5.
- Steinmayer, Alwin G. (See Christensen, C., and Steinmayer.)
- Steinmayer, Alwin G. (See Kyle, W. D., and Steinmayer.)
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Connector. 1,950,635; Mar. 13.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse. 1,952,635; Mar. 27.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 1,953,136; Apr. 3.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse box of pyrex. 1,954,186; Apr. 10.
- Steinmayer, Alwin G., Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company. Switch. 1,957,737; May 8.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Liquid fuse. 1,970,634; Aug. 21.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse link. 1,973,120; Sept. 11.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. High amperage remote control switch. 1,973,121; Sept. 11.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Housed fusel cut-outs. 1,976,812; Oct. 16.
- Steinmayer, Alwin G., and W. D. Kyle, assignors to Line Material Company, South Milwaukee, Wis. Fuse. 1,979,418; Nov. 6.
- Steinmayer, Alwin G., and R. L. Smythe, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Globe holder. 1,961,462; June 5.
- Steinmayer, Alwin G., Milwaukee, and W. O. Schultz, assignors to Line Material Company, South Milwaukee, Wis. Oil fuse. 1,972,958; Sept. 11.
- Steinmayer, Alwin G., Milwaukee, and W. O. Schultz, assignors to Line Material Company, South Milwaukee, Wis. Oil fuse. 1,980,506; Nov. 13.
- Steinmeier, Charles D. (See Coble, D. C., and Steinmeier.)
- Steinmetz, Herman, Rochester, N. Y., assignor to Advance Machine Co., Chicago, Ill. Amusement device. 1,943,095; Jan. 9.
- Steinmeyer, Harry A. (See Vose, J. H., and Steinmeyer.)
- Steinthal, Augustus, New York, N. Y. Loose-leaf book. 1,941,634; Jan. 2.
- Steinway & Sons. (See Bilhuber, Paul H., assignor.)
- Steinway & Sons. (See Steinway, Theodore E., assignor.)
- Steinway, Theodore E., assignor to Steinway & Sons, New York, N. Y. Piano construction. 1,965,360; July 3.
- Stele, Joseph H. (See Elow, B., and Stele.)
- Stelkens, Willy, Cologne, and R. Müller, Mannheim, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Agglutinant. 1,941,958; Jan. 2.
- Stellawerk Aktiengesellschaft vormals Wilisch & Co. (See Friedersdorf, Konrad, assignor.)
- Stelling, Franz R., Roseville, near Sydney, New South Wales, Australia. Machine for the manufacture of Christmas crackers. 1,960,759; May 29.
- Stelling, Henry, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mercury boiler level indicator. 1,980,012; Nov. 6.
- Stelzer, Franz H. B., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. G. Müller & Co., Dresden, Germany. Pressing apparatus for the manufacture of cigar fillers. 1,950,866; Mar. 13.
- Stelzer, Franz H. B., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Method and apparatus for making cigar fillers. 1,979,648; Nov. 6.
- Stelzer, William, assignor to Bendix Research Corporation, South Bend, Ind. Power transmission mechanism. 1,956,934; May 1.
- Stelzer, William, assignor to Bendix Brake Company, South Bend, Ind. Wheel. 1,966,148; July 10.
- Stem, Russell W., Bethlehem, Pa. Furnace control. 1,981,679; Nov. 20.
- Stempelin, Ralph, Wittenberge, near Potsdam, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work holding and positioning device. 1,980,106; Nov. 6.
- Stemwedel, Albert L., assignor to Fce and Stemwedel, Inc., Chicago, Ill. Indicator. Des. 94,057; Dec. 11.
- Stence, Jesse R., Greggton, Tex. Tie rod end construction. 1,985,354; Dec. 25.
- Stendrup, Harry A., Little Neck, N. Y. Liquid transportation and storage apparatus. 1,949,981; Mar. 6.
- Stenersen, Albert H., assignor to The Wahl Company, Chicago, Ill. Mechanical pencil. 1,967,484; July 24.
- Stenfors, Frans I. E., Stockholm, Sweden. Apparatus for gasifying combustible organic substances. 1,946,817; Feb. 13.
- Stenger, Edwin P., and A. O. Brustle, assignors to The Cincinnati Mine Machinery Company, Cincinnati, Ohio. Mining machine bit and holder. 1,953,899; Apr. 3.
- Stenger, Konrad. (See Sieglitz, A., and Stenger.)
- Stenhouse, Davis, Washington, Pa., assignor to Hazel Atlas Glass Co., Wheeling, W. Va. Pneumatic glass feeder. 1,959,506; May 22.
- Stenhouse, Thomas. (See Bowman, S. B., and Stenhouse.)
- Stenmar, Oscar. (See Martindell, M. H., and Stenmar.)
- Stemwedel, Albert L., Chicago, Ill., assignor of one-half to Fce and Stemwedel Inc., Chicago, Ill., and one-half to New Process Company, Warren, Pa. Indicator. Des. 93,364; Sept. 18.
- Stene, Manfred. (See Cornell, E. S., and Stene.)

- Stensgaard, William L., Chicago, Ill. Lettering device for display panels. 1,981,574; Nov. 20.
- Stentford, Henry J., Park Ridge, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Kitchen cabinet or the like. Des. 92,983; Aug. 7.
- Stentford, Henry J., Park Ridge, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Kitchen cabinet or the like. Des. 92,984; Aug. 7.
- Stenzel, Emil, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Vapor regulator. 1,977,295; Oct. 16.
- Stenzl, Hans, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 1-phenyl-2,3-dimethyl-4-alkyl-5-pyrazolones. 1,972,036; Aug. 28.
- Stepan, Mike J., La Moure, N. Dak. Truss. 1,951,069; Mar. 13.
- Stephan Engineering Corporation. (See Stephan, Fritz, assignor.)
- Stephan, Fritz, assignor to Stephan Engineering Corporation, Chicago, Ill. Fuel atomizing means. 1,966,911; July 17.
- Stephan, Hallis N. (See Lucas, H. M., and Stephan, assignors.)
- Stephan, Joseph, Union City, and P. Henckel, North Bergen, N. J. Envelope opener. 1,943,193; Jan. 9.
- Stephansen, Nicolai, Rjukan, Norway, Carl Eyer, Ludwigs-hafen-on-the-Rhine, and G. Meder, Munster-on-Taunus, Germany, assignors to Norsk Hydro-Elektrisk Kvaestof Aktieselskab, Oslo, Norway. Manufacture of nitrate of lime in globular form. 1,982,549; Nov. 27.
- Stephens-Adamson Manufacturing Company. (See Kendall, Myron A., assignor.)
- Stephens-Adamson Mfg. Co. (See Sindén, Alfred D., assignor.)
- Stephens, Charles A. L., Mount Vernon, assignor to The Lorschneider-Schang Co., Inc., Rochester, N. Y. Windowed merchandise container. 1,945,792; Feb. 6.
- Stephens, Charles U. (See Dautrick, O. L., Hufferd, Casse, and Stephens.)
- Stephens, Ernest F., Washington, D. C. Bottle stopper. 1,942,845; Jan. 9.
- Stephens, Forrest H., San Francisco, Calif., assignor to Aluminum Company of America, Pittsburgh, Pa. Highway marker. 1,966,818; July 10.
- Stephens, George H., Northbrook, assignor to The Hammond Clock Company, Chicago, Ill. Calendar clock. 1,985,388; Dec. 25.
- Stephens, Henry C., Ontario, assignor, by mesne assignments, to Natural Food Products Company, Orange, Calif. Reamer for citrus fruits. 1,958,399; May 8.
- Stephens, Joseph, Dunedin, New Zealand. Jet pump and the like. 1,958,354; May 8.
- Stephens, Leonard O., et al. (See Zimmermann, Alexander W., assignor.)
- Stephens, Mary A., New Orleans, La. Necktie. 1,945,206; Jan. 30.
- Stephens, Oscar Rezer. (See Bouslog, John G., assignor.)
- Stephens, Robert M., Scotia, N. Y., assignor to General Electric Company. Electrode nozzle. 1,959,180; May 15.
- Stephens, Robert M., Scotia, and V. J. Chapman, Schenectady, N. Y., assignors to General Electric Company. Welding apparatus. 1,983,321; Dec. 4.
- Stephens, Thomas G., Cleveland, Ohio. Producing chemical compounds. 1,944,281; Jan. 23.
- Stephens, William, Akron, Ohio, assignor, by mesne assignments, to Wingfoot Corporation, Wilmington, Del. Manufacturing inner tubes. 1,952,470; Mar. 27.
- Stephens, William T. (See Proctor, R. V., and Stephens.)
- Stephens, William T., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Self-locking dump body. 1,960,833; May 29.
- Stephenson, Harold P. (See Tate, W. R., Stephenson, and Dean.)
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Control means for high frequency apparatus. 1,946,296; Feb. 6.
- Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,975,137; Oct. 2.
- Stephenson Manufacturing Company. (See Stephenson, Thomas B., assignor.)
- Stephenson, Norman M., Los Angeles, Calif. Plug fuse. 1,979,715; Nov. 6.
- Stephenson, Reuben M., Oakland, Calif. Apparatus for spraying materials. 1,979,649; Nov. 6.
- Stephenson, Thomas B., Springfield, Mass. Illuminated advertising, display, and demonstrating sign. 1,979,776; Nov. 6.
- Stephenson, Thomas B., assignor to Stephenson Manufacturing Company, Inc., Springfield, Mass. Automatic medicinal vaporizer. 1,950,577; Mar. 13.
- Stephenson, Verne L., assignor to Snuggle Rug Company, Goshen, Ind. Garment. 1,956,813; May 1.
- Stephenson, William B., Chicago, assignor of one-half to G. J. Irsh, Harvey, Ill. Force cup. 1,972,114; Sept. 4.
- Stephenson, William J., Bingham Lake, Minn. Spark plug-flash ignition type. 1,945,870; Feb. 6.
- Stepkin, Samuel, Los Angeles, Calif., assignor to S. Bloomfield. Cooking device. 1,979,501; Nov. 6.
- Steps, Robert A. (See Hartman, W. W., and Steps.)
- Steps, Robert A., Los Angeles, Calif. Master cycle control apparatus. 1,947,679; Feb. 20.
- Sterba, Ernest J., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance transformer. 1,963,723; June 19.
- Stereoscopic Camera Company. (See Hallett, F. N., and Anderson, assignors.)
- Sterling Automotive Products Corporation. (See Lear, Joseph D., assignor.)
- Sterling Company, The. (See Caston, Johnnye L., assignor.)
- Sterling Corporation, The. (See Flammang, J., and Bowser, assignors.)
- Sterling Corporation, The. (See Flammang, J., Bowser, and Ernst, assignors.)
- Sterling Electric Motors, Inc. (See Johnson, Carl E., assignor.)
- Sterling Fibre Company. (See Coyne, Harry J. and F. J., assignors.)
- Sterling, George H. (See Brune, A., and Sterling.)
- Sterling Grinding Wheel Company, The. (See Ballash, Joseph L., assignor.)
- Sterling Novelty Manufacturing Company, The. (See Keisling, M., Krieger, and Draher, assignors.)
- Sterling, Oscar, Los Angeles, Calif. Folding stand for golf bags. 1,975,702; Oct. 2.
- Sterling Siren Fire Alarm Company Inc., The. (See Armstrong, Merton C., assignor.)
- Sterling Tool Company. (See Poulsen, Knud, assignor.)
- Sterling Wheelbarrow Company. (See Smith, Irving R., assignor.)
- Stern, Benjamin A., and J. J. Koffler, Newark, N. J., assignors to National Metalloys Corporation. Street marker. 1,952,471; Mar. 27.
- Stern, Benjamin H. (See Schnieder, Ernst, assignor.)
- Stern, Charles, West New York, N. J. Embroidered webbing. Des. 92,434; June 5.
- Stern, Charles, West New York, N. J. Embroidered webbing. Des. 92,435; June 5.
- Stern, Charles, Jersey City, N. J. Extension card table. 1,967,979; July 24.
- Stern, Charles, Jersey City, assignor to Ardco Manufacturing Company, Hoboken, N. J. Governor-controlled drilling valves for locomotives. 1,980,107; Nov. 6.
- Stern, Emil F., et al. (See Blair, Frank P., assignor.)
- Stern-Gesellschaft für moderne Grundbautechnik m. b. H. (See Stern, Ottokar, assignor.)
- Stern, Gustave, Charenton, France. Arrangement for transferring gaseous liquids under counterpressure. 1,985,355; Dec. 25.
- Stern, Harry, Brooklyn, assignor to Ansonia Bootery, Inc., New York, N. Y. Shoe. Des. 92,682; July 3.
- Stern, Harry, Brooklyn, assignor to Ansonia Bootery, Inc., New York, N. Y. Chain sandal. Des. 92,935; July 31.
- Stern, Harry R., New York, N. Y. Advertising and display device. 1,975,876; Oct. 9.
- Stern, Isaac, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Paper machine. 1,966,361; July 10.
- Stern, Joseph M., Company, The, et al. (See Elder, Emil M., assignor.)
- Stern, Milton C., and F. E. Pfeiffer, assignors to The Egly Register Company, Dayton, Ohio. Portable register. 1,957,034; May 1.
- Stern, Ottokar, assignor to Stern-Gesellschaft für moderne Grundbautechnik m. b. H., Vienna, Austria. Apparatus for forming columns in situ. 1,978,332; Oct. 23.
- Stern, Robert, Chicago, Ill. Picture frame structure. 1,971,923; Aug. 28.
- Stern, William, Los Angeles, Calif. Finger ring or similar article. Des. 94,171; Dec. 25.
- Sternad, Andrew F., assignor to Gardiner Metal Co., Chicago, Ill. Machine for coiling solder. 1,942,264; Jan. 2.
- Sternad, Andrew F., assignor to Gardiner Metal Co., Chicago, Ill. Machine for rolling core solder. 1,950,525; Mar. 13.
- Sternau, S., & Co. (See Morin, Louis H., assignor.)
- Sternau, S., & Co., Inc. (See York, Albert F., assignor.)
- Sternner-Rainer, Roland, Heilbronn, Germany, assignor to American Lural Corporation, New York, N. Y. Aluminum alloy. 1,945,297; Jan. 30.
- Sterolene Co., The. (See Howard, Willis G., assignor.)
- Sterrett, Walter R., assignor to Ball Brothers Company, Muncie, Ind. Glass shears. 1,953,030; Mar. 27.
- Sterrett, William H. (See Lyons, A. G., and Sterrett.)
- Stertzach, Harry W., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Safety support for end brake beams. 1,952,390; Mar. 27.
- Stetson, Charles C., St. Paul, Minn. Toy. 1,965,863; July 10.
- Stetson, John B., Company. (See MacKinnon, George V., assignor.)
- Stetson, John B., Company. (See Tobin, Henry I., assignor.)
- Stetson, Samuel L., St. Paul, Minn. Firearms. 1,964,649; June 26.
- Stetter, Fritz C., New York, N. Y. Ornamental device. 1,950,526; Mar. 13.
- Stettler, Frank C. (See Goodyear, Charles H., assignor.)
- Stettner, Ludwig W., Oakland, assignor to Victor Welding Equipment Co., San Francisco, Calif. Heating torch. 1,948,737; Feb. 27.
- Steuart, Finlay G., Victoria, British Columbia, Canada. Cigarette making machine. 1,956,838; May 1.

- Steuart, Gordon R., deceased, by K. Steuart, Denver, Colo., administratrix, assignor, by mesne assignments, to Kalunite Company. Manufacturing sulphate of alumina. 1,960,320; May 29.
- Steuart, Gordon R., deceased, by K. Steuart, administratrix, Denver, Colo., assignor, by mesne assignments, to Kalunite Company. Manufacturing basic alum. 1,964,389; June 26.
- Steuart, Katherine, administratrix. (See Steuart, Gordon R.)
- Steudel, Erich O., Chicago, Ill. Cake plate. 1,979,911; Nov. 6.
- Studemann, Wilhelm, Altenburg, Germany. Precipitating and separating sodium nitrate and ammonium chloride. 1,955,031; Apr. 17.
- Steuer, Bernard, assignor to Travelo Corporation, Philadelphia, Pa. Bathing suit. 1,969,333; Aug. 7.
- Steuer, Norman F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 91,691; Mar. 6.
- Steuer, Norman F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 91,740; Mar. 13.
- Steuer, Norman F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,116; Apr. 24.
- Steuer, Norman F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,501; June 12.
- Steuer, Norman F., San Francisco, Calif., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,828; July 17.
- Steuer, Norman F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 92,985; Aug. 7.
- Steutermann, Francis J., Webster, Mass. Apparatus for cleaning boiler tubes. 1,941,513; Jan. 2.
- Stevens, Arthur L., Evanston, Ill. Radiator or the like. Des. 91,911; Apr. 3.
- Stevens, Arthur L., Evanston, Ill. Radiator or the like. Des. 91,974; Apr. 10.
- Stevens, Arthur L., Evanston, assignor, by mesne assignments, to Arthur L. Stevens Corporation, Chicago, Ill. Heat treating furnace. 1,973,934; Sept. 18.
- Stevens, Arthur L., Corporation. (See Stevens, Arthur L., assignor.)
- Stevens, Bertram J., Hollywood, Calif. Safe protecting device. 1,977,358; Oct. 16.
- Stevens, Brooks, Jr., Tewksbury, Mass. Signaling device and arrangement. 1,955,895; Apr. 24.
- Stevens, Charles L., Norwood, Mass. Refrigerating apparatus and method. 1,951,496; Mar. 20.
- Stevens, Charles W., Bexley, assignor to The Lattimer Stevens Company, Columbus, Ohio. Valve. 1,958,684; May 15.
- Stevens, Claud L., assignor of fifty per cent to Hodgson S. Pierce, Detroit, Mich. Heat treating articles. 1,953,445; Apr. 3.
- Stevens, Clifford B., assignor to Holsum Products, Inc., Milwaukee, Wis. Bottle. Des. 92,436; June 5.
- Stevens, Donald R., Pittsburgh, and W. A. Gruse, Wilkinsburg, Pa. Degumming and stabilizing low-boiling hydrocarbons. 1,966,467; July 17.
- Stevens, Ealy T., Nashville, Tenn. Plane. 1,951,452; Mar. 20.
- Stevens, Earl E., Elmhurst, and D. D. Higgins, Chicago, Ill. Automatic frequency control system. 1,984,440; Dec. 18.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Co., New York, N. Y. Riveting gun. 1,978,118; Oct. 23.
- Stevens, Francis R. (See Buckley, E. J., and Stevens.)
- Stevens, Frank J. (See Bicknell, R. S., and Stevens.)
- Stevens, Frederick A., Providence, R. I. Ophthalmic mounting. 1,960,321; May 29.
- Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,973,914; Sept. 18.
- Stevens, Guy H., Los Angeles, Calif. Lens shade and filter holder for cameras. 1,966,149; July 10.
- Stevens, Harry L., and A. Weber, assignors to Neo Brush Holder Corporation, Spokane, Wash. Brush holding clamp. 1,983,923; Dec. 11.
- Stevens, Harry P., Ossining, N. Y., assignor to Stevens Motors, Inc. Packing ring and valve for internal-combustion engines and the like. 1,942,155; Jan. 2.
- Stevens, Henry E., and J. W. Windham, Jacksonville, Fla., and G. C. Albee and E. Foster, South Orange, N. J.; said Stevens and said Windham assignors of all their right to said Albee. Refrigeration. 1,953,836; Apr. 3.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for mounting expandable cores in tire casings. 1,944,767; Jan. 23.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus. 1,970,780; Aug. 21.
- Stevens, J. & E., Company, The. (See Frisbie, Russell A., assignor.)
- Stevens, Jesse W., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Beverages and beverage materials and the preparation thereof. 1,955,864; Apr. 24.
- Stevens, John A., Broadstairs, England. Lamp for road vehicles. 1,979,650; Nov. 6.
- Stevens, John C., Portland, Oreg. Automatic water gate. 1,983,951; Dec. 11.
- Stevens, John H., South Orange, and J. F. Walsh, East Orange, N. J., assignors to Celluloid Corporation. Flowed film. 1,963,765; June 19.
- Stevens, John W., Denver, Colo. Headlight indicator. 1,982,459; Nov. 27.
- Stevens, Joseph D. (See Arnold, James W., assignor.)
- Stevens, Joseph D., Baltimore, Md. Awning structure. 1,984,095; Dec. 11.
- Stevens, Leland J., assignor to Locke Insulator Corporation, Baltimore, Md. Bus bar and bushing connection. 1,977,957; Oct. 23.
- Stevens, Martin H., Youngstown, Ohio. Oil reclaiming device. 1,965,675; July 10.
- Stevens Motors, Inc. (See Stevens, Harry P., assignor.)
- Stevens, Perry H. (See Fissell, Grant W., assignor.)
- Stevens, Ralph B., Yarmouth, Maine. Can covering machine. 1,966,529; July 17.
- Stevens, Randall E., and A. G. Martens, Ashland, Ky., assignors to The American Rolling Mill Company, Middletown, Ohio. Apparatus for shipping sheet metal and other commodities. 1,970,781; Aug. 21.
- Stevens, Robert W., assignor to The Majestic Company, Huntington, Ind. Door or closure. 1,978,234; Oct. 23.
- Stevens, Roderick G., Chicago, Ill. Rubber finger stall toothbrush. 1,965,009; July 3.
- Stevens, Ronald J., New Malden, England. Electric control system. 1,948,685; Feb. 27.
- Stevens, Roswell C., Brooklyn, N. Y., assignor to De Coppel & Doremus. Cutter for typewriters. 1,960,175; May 22.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft gear. 1,947,812; Feb. 20.
- Stevens, Roy R., Forest Hills, Pa. assignor, by mesne assignments, to Cardwell Westinghouse Company, Chicago, Ill. Hydraulic draft gear. 1,955,349; Apr. 17.
- Stevens, Wellington G., Custer, Mich. Liquid can filling machine. 1,959,694; May 22.
- Stevens, Wesley E., assignor of one-fourth to J. E. Welsh, and one-fourth to H. Reece, Greeley, and one-fourth to R. W. Darling, Loveland, Colo. Road shouldering machine. 1,972,498; Sept. 4.
- Stevens, William A. (See Guy, Sydney S., and Stevens.)
- Stevens, William C. (See Schmidt, E. X., and Stevens.)
- Stevens, William C., Uniontown, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Building beads for tires. 1,944,768; Jan. 23.
- Stevenson, Arthur E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Conditioning fruit for packing and sealing in containers. 1,962,287; June 12.
- Stevenson, Earl P. (See Carpenter, John B., Jr., and Stevenson.)
- Stevenson, Frank P., Webster Groves, Mo. Portable lifting device. 1,962,042; June 5.
- Stevenson, George M., Baltimore, Md. Abrading machine. 1,978,149; Oct. 23.
- Stevenson, Herbert A. (See Webb, J. B., and Stevenson.)
- Stevenson, Holland N. (See Wright, Gilbert, assignor.)
- Stevenson, Hugo J. (See Pike, R. D., Stevenson, and Eash.)
- Stevenson, James W., Riverside, Calif. Unstacker. 1,969,994; Aug. 14.
- Stevenson, Leslie F., Geneva, N. Y. Control means for gas burners. 1,969,163; Aug. 7.
- Stevenson, Laura S. (See Mayweg, Hugo, assignor.)
- Stevenson, Philip H. (See Doner, S. R., Stevenson, and Tiller.)
- Stevenson, Ralph A., Berkeley, assignor to Great Western Electro-Chemical Co., San Francisco, Calif. Water purification process. 1,946,818; Feb. 13.
- Stevenson, Reginald D., San Francisco, Calif. Clutch mechanism. 1,973,671; Sept. 11.
- Stevenson, Robert, West Barrington, assignor to M & S Manufacturing Co. Inc., Providence, R. I. Gearing. 1,982,768; Dec. 4.
- Stevenson, Thomas J. (See Forsell, Ernest, assignor.)
- Stevenson, William N., assignor to American Reinforced Paper Company, Attleboro, Mass. Machine for curing concrete. 1,946,819; Feb. 13.
- Stevenson, Winfield W., Jr., Steinman, assignor to Cumberland Coal Cleaning Corporation, Bristol, Va. Apparatus for separating materials. 1,955,032; Apr. 17.
- Stever, William, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Riveting machine. 1,958,869; May 15.
- Steward, Arthur B. (See Jeffries, H. W., and Steward.)
- Steward, George H., Rutland, Vt. Nestless can lid. 1,944,017; Jan. 16.
- Stewart, Adelbert B., La Mesa, Calif. Hat and coat hanger. 1,978,770; Oct. 30.
- Stewart, Albert D., St. Joseph, Mo., deceased; H. Stewart administratrix. Composition board. 1,942,946; Jan. 9.
- Stewart, Albert E., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H. Knitting machine. 1,943,265; Jan. 9.
- Stewart, Alexander. (See Bunbury, H. M., Sexton, and Stewart.)
- Stewart, Alexander. (See Macarthur, A., and Stewart.)
- Stewart, Andrew H., Shields, Pa. Glass feeding apparatus. 1,961,093; May 29.
- Stewart, Andrew H., Shields, Pa. Apparatus for feeding glass. 1,965,438; July 3.
- Stewart, Andrew H., Shields, assignor to The Phoenix Glass Company, Monaca, Pa. Decorating articles. 1,958,595; May 15.

- Stewart, Andrew H., Shields, assignor to The Phoenix Glass Company, Monaca, Pa. Ornamental glassware. 1,963,156; June 19.
- Stewart, Burt, Fort Smith, Ark. Portable bathing outfit. 1,957,365; May 1.
- Stewart, Carlton D. (See Hewitt, E. E., and Stewart.)
- Stewart, Carlton D., Berkeley, Calif., and C. C. Farmer, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Pistol seal. 1,952,391; Mar. 27.
- Stewart, Charles A., Andover, Mass. Cloth board. 1,975,906; Oct. 9.
- Stewart, Clyde B., Philadelphia, Pa., assignor to General Electric Company. Supervisory control system. 1,945,665; Feb. 6.
- Stewart, Clyde B., Drexel Hill, Pa., assignor to General Electric Company. Indicating system. 1,945,666; Feb. 6.
- Stewart, Clyde B., Drexel Hill, Pa., assignor to General Electric Company. Supervisory system. 1,945,667; Feb. 6.
- Stewart, Clyde B., Drexel Hill, Pa., assignor to General Electric Company. Circuit control means. 1,957,236; May 1.
- Stewart Die Casting Corporation. (See Leisen, Frederic A., assignor.)
- Stewart, Donald H., assignor to Eastman Kodak Company, Rochester, N. Y. Reversible film for motion picture apparatus. 1,969,484; Aug. 7.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Air conditioning system. 1,944,699; Jan. 23.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Thermostat. 1,961,649; June 5.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Control for air conditioning systems. 1,968,325; July 31.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Air conditioning system. 1,970,584; Aug. 21.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Control for heating systems. 1,975,130; Oct. 2.
- Stewart, Edmund T., New York, N. Y. Casement window operator. 1,983,152; Dec. 4.
- Stewart, Edward C., Washington, Pa. Method of and apparatus for feeding glass. 1,961,015; May 29.
- Stewart, Edwin J., East Orange, N. J., assignor to The American Thread Company, New York, N. Y. Thread package or spool. 1,968,101; July 31.
- Stewart, Elon P., Syracuse, N. Y., and Louis H. Frost, Cleveland, Ohio, assignors to Cement-Gun Company, Inc. Differential meter. 1,943,993; Jan. 16.
- Stewart, Francis S. (See Hopkins, H. H., and Stewart.)
- Stewart, Frederick W., Beaver, assignor to The Phoenix Glass Company, Monaca, Pa. Jar. Des. 93,950; Nov. 27.
- Stewart, Hazel, administratrix. (See Stewart, Albert D.)
- Stewart, Henry P., Nutley, N. J. Transportation package. 1,983,322; Dec. 4.
- Stewart Iron Works Company, The. (See Young, Charles F., assignor.)
- Stewart, James N., Birmingham, Ala., assignor to General Electric Company. Automatic reclosing circuit breaker system. 1,943,096; Jan. 9.
- Stewart, James S., assignor to The Slusser-McLean Scraper Company, Sidney, Ohio. Trailbuilder bowl for wheeled vehicles. 1,967,379; July 24.
- Stewart, James S., assignor to The Slusser-McLean Scraper Company, Sidney, Ohio. Elevating and equalizing mechanism for wheeled vehicles. 1,974,520; Sept. 25.
- Stewart, James S., assignor to The Slusser-McLean Scraper Company, Sidney, Ohio. Earth moving scraper. 1,983,783; Dec. 11.
- Stewart, Kenneth D., Dearborn, Mich. Door-positioning mechanism. 1,952,472; Mar. 27.
- Stewart, Kenneth D., Detroit, Mich. Article holder. 1,958,772; May 15.
- Stewart, Leroy C., assignor to The Dow Chemical Company, Midland, Mich. Porous magnesia cement. 1,965,538; July 3.
- Stewart, Leroy C., and L. De Pree, assignors to The Dow Chemical Company, Midland, Mich. Stabilized chlorinated aliphatic hydrocarbon. 1,971,315; Aug. 21.
- Stewart, Lester E., Albany, N. Y. Combined waste receptacle and illuminated top therefor. Des. 91,334; Jan. 9.
- Stewart, Lewis O., Detroit, Mich. Window ventilator. 1,952,103; Mar. 27.
- Stewart, M. F., Manufacturing Company. (See Fowler, Frederick E., assignor.)
- Stewart, Maco, Galveston, Tex. Lifting means for automobiles. 1,951,680; Mar. 20.
- Stewart, Martin L., Detroit, Mich. Window lock. 1,960,034; May 22.
- Stewart, Nelson H., Verona, N. J., assignor to Westinghouse Lamp Company. X-ray part. 1,953,516; Apr. 3.
- Stewart, Oscar D., Underwood, N. Dak. Anticlogging attachment for grain augers. 1,980,108; Nov. 6.
- Stewart, Otto V., and E. Urban, Forest Hills, Pa., assignors to Westinghouse Electric and Manufacturing Company. Dual anode. Re19,328; Sept. 25.
- Stewart, Richard E., Carlsbad, N. Mex. Cotton picking sack. 1,953,274; Apr. 3.
- Stewart, Robert, and V. E. Spencer, Reno, Nev. Soil fertilization. 1,960,600; May 29.
- Stewart, Robert J. (See Huntley, G. J., and Stewart.)
- Stewart, Robert W., Apalachicola, Fla. Motor vehicle license plate lock. 1,983,105; Dec. 4.
- Stewart, Russell T., and G. Gardler, Atlantic City, N. J. Sounding toy. 1,969,050; Aug. 7.
- Stewart, Walter B., Denver, Colo. Collapsible tube closure. 1,963,766; June 19.
- Stewart, Walter C., Gastonia, N. C. Regrooving spindle whorls. 1,968,721; July 31.
- Stewart, Walter C., assignor, by mesne assignments, to The Boysell Company, Gastonia, N. C. Combined looper and loop cutting attachment for sewing machines. 1,984,772; Dec. 18.
- Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
- Stewart-Warner Corporation. (See Holly, George S., assignor.)
- Stewart-Warner Corporation. (See Maccabee, David E., assignor.)
- Stewart-Warner Corporation. (See Mason, C. T., and Minnum, assignors.)
- Stewart-Warner Corporation. (See Muzzy, William H., assignor.)
- Stewart-Warner Corporation. (See Oehlsen, George W., jr., assignor.)
- Stewart-Warner Corporation. (See Read, Cyril M., assignor.)
- Stewart-Warner Corporation. (See Rockwell, Edward A., assignor.)
- Stewart Warner Corporation. (See Schweisthal, Fred G., assignor.)
- Stewart-Warner Corporation. (See Tice, Percival S., assignor.)
- Stewart-Warner Corporation. (See Von Haase, Anthony, assignor.)
- Stewart-Warner Corporation. (See Whitted, John B., assignor.)
- Stewart-Warner Corporation. (See Zerk, Oscar U., assignor.)
- Stewart, William A., Helena, Mont. Oil heater. 1,980,301; Nov. 13.
- Stewart, William F., Youngstown, Ohio. Roll polisher. 1,954,502; Apr. 10.
- Stewart, George L., Ontario, Calif. Keyhole illuminating device. 1,976,269; Oct. 9.
- Stibbs, Harry, Vandalia, Ohio. Conveyor drive. 1,960,719; May 29.
- Stich, Charles F., assignor to The Marvel Window Cleaner Incorporated, Cleveland, Ohio. Window cleaner. 1,952,477; Mar. 27.
- Stich, Eugen, Mannheim, Germany. Apparatus for aerating fermenting liquids. 1,959,554; May 22.
- Stickel, Charles W. (See Tuttle, W. R., and Stickel.)
- Stickel, Charles W., assignor to Walton Products Company, Rochester, N. Y. Outboard motor starter. 1,980,601; Nov. 13.
- Stickel, Paul. (See Moll, K. H., and Stickel.)
- Stickland, Oliver W. (See Burns, R., and Stickland.)
- Stickland, Oliver W. (See Burns, R., Stickland, and Whitworth.)
- Stickley Fred A. South Shaftsbury, Vt. Steam-heating system for hosiery driers and the like. 1,949,945; Mar. 6.
- Stickley, John B., Indianapolis, Ind. High pressure condensate return. 1,979,651; Nov. 6.
- Stickles, Rollo J., Sullivan, Wis. Throttle valve controller for tractors. 1,984,661; Dec. 18.
- Stickley Brothers Company. (See Campbell, Richard T., assignor.)
- Stickney, Alpheus B., New York, N. Y. Gearing. 1,954,686; Apr. 10.
- Stickney, Burnham C., Hillside, N. J. Printing press. 1,949,223; Feb. 27.
- Stickney, Burnham C., Hillside, N. J. Internal combustion engine. 1,972,115; Sept. 4.
- Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,951,453; Mar. 20.
- Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting, computing, and card-perforating machine. 1,970,714; Aug. 21.
- Stickney, Burnham C., Hillside, N. J., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,971,239; Aug. 21.
- Stickney, Caleb, assignor of one-half to George E. Stickney, Newburyport, Mass. Combined collar and necktie holder. 1,947,317; Feb. 13.
- Stickney, Fernald S., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical instrument. 1,976,584; Oct. 9.
- Stickney, Fernald S., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Liquid testing device. 1,982,328; Nov. 27.
- Stickney, George E. (See Stickney, Caleb, assignor.)
- Stidd, Irvin, assignor of one-half to S. C. Beers, Mount Jewett, Pa. Connector. 1,944,141; Jan. 16.
- Stiefel, Ralph C., Ellwood City, Pa. Production of seamless tubes. 1,957,915; May 8.
- Stiefel, Ralph C., Ellwood City, Pa. Apparatus for and method of producing metal tubes. 1,957,916; May 8.
- Stiefel, William, Baldwin, N. Y. Metallic tie structure. 1,945,925; Feb. 6.
- Stiefenhofer, Ferdinand. (See Goldhammer, L., and Stiefenhofer.)
- Stiefenhofer, Ferdinand. (See Kaden, W., and Stiefenhofer.)
- Stiegler, Oscar M., Los Angeles, Calif. Utility sewing box. 1,945,123; Jan. 30.

- Stieglitz, Henry M., assignor to Frank Adam Electric Co., St. Louis, Mo. Switch inclosure. 1,966,743; July 17.
- Stiemke, Walter H. (See Jett, George C., assignor.)
- Stier, Ruben. (See Ofery, D. J., and Stier.)
- Stierheim, Edward A. (See Duerr, F. A., and Stierheim.)
- Stiles, Charles L., Columbus, Ohio. Feed gauge for printing presses. 1,949,286; Feb. 27.
- Stiles, Hugh R., Terre Haute, Ind. Propionic acid fermentation of fructose-containing mash. 1,946,447; Feb. 6.
- Still, Carl, Recklinghausen, Germany. Chamber oven for coal distillation. 1,943,562; Jan. 16.
- Still, Carl, Recklinghausen, Germany. Coke oven charging machine. 1,943,634; Jan. 16.
- Still, Carl, Recklinghausen, Germany. Coal charging truck. 1,943,635; Jan. 16.
- Still, Carl, Recklinghausen, Germany. Obtaining valuable light oils from the distillation of coal. 1,946,721; Feb. 13.
- Still, Carl, Recklinghausen, Germany. Leveling bar. 1,979,419; Nov. 6.
- Still, Fred L., Greenville, S. C. Immersion roll. 1,978,771; Oct. 30.
- Still, William J., London, England. Manufacture of tubes and particularly tubes for heat transference devices. 1,951,568; Mar. 20.
- Stilley, Walter A., jr., Conway, S. C. Beer crate. 1,969,585; Aug. 7.
- Stilger, Amel A., and P. E. Fluor, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Cooling tower. 1,953,372; Apr. 3.
- Stillman, Albert L. (See Zwayer, E. B. A., and Stillman.)
- Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Duplex boiler. 1,955,777; Apr. 24.
- Stilwell, Charles C., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Latch mechanism for cake formers and the like. 1,969,862; Aug. 14.
- Stilwell, George R., Bayonne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light-sensitive tube. 1,942,501; Jan. 9.
- Stilwell, Glenn E. (See Stebler, F., and Stilwell.)
- Stilwell, Neil C., La Fayette, Ind. Beverage dispenser. Des. 92,986; Aug. 7.
- Stilwell, William E., jr., Cincinnati, Ohio. Radio control system. 1,963,508; June 19.
- Stimmel, Byron A., K. D. McBean, and G. Cruickshank, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada Limited, Montreal, Canada. Apparatus for roasting mineral bearing particles. 1,963,282; June 19.
- Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet setting machine. 1,947,680; Feb. 20.
- Stimpson, Edwin B., Company. (See Gualtiere, Julius, assignor.)
- Stimpson, Edwin B., Company. (See Rau, Henry V., assignor.)
- Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
- Stimpson, Robert H. (See Morey, E., and Stimpson.)
- Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Shuttle and filling carrier for looms. 1,971,282; Aug. 21.
- Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Bobbin driving means. 1,984,773; Dec. 18.
- Stimpson, Walter F. (See Chance, C. T., and Patten, assignors.)
- Stinson, Arthur J., assignor to Dobro Corporation, Ltd., Los Angeles, Calif. Electrophonic stringed musical instrument. 1,962,919; June 12.
- Stinson, Harry W., Trempealeau, Wis. Power driven rotary toothbrush. 1,971,283; Aug. 21.
- Stimson, Jonathan C., St. Louis, Mo. Highway signal. 1,955,105; Apr. 17.
- Stimson, Percy G., Dayton, assignor, by mesne assignments, to Central United National Bank, Cleveland, Ohio. Stock control register. 1,981,205; Nov. 20.
- Stimson, Stuart C., Oklahoma City, Okla. Powder dispensing device. 1,979,294; Nov. 6.
- Stine, Bessie H., South Orange, N. J., assignor to A. H. Rice Company, Pittsfield, Mass. Identification device. 1,952,478; Mar. 27.
- Stine, Samuel B., Osceola Mills, Pa. Method of and apparatus for forming screens. 1,963,425; June 19.
- Stine, Wilmer E., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,958,649; May 15.
- Stine, Wilmer E., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding apparatus. 1,980,447; Nov. 13.
- Stiner, Edgar F., New York, N. Y. Lace fabric. 1,970,477; Aug. 14.
- Stinson, Edgar S., Wenatchee, assignor of one-half to H. M. Madden, Seattle, Wash. Floor polishing machine. 1,973,915; Sept. 18.
- Stinson, Clarence P., Paola, Kans. Polarized directional signal system. 1,952,826; Mar. 27.
- Stinson, George, Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Baby carriage. 1,958,931; May 15.
- Stinson, Loran O., Indianapolis, Ind. Automatic damper for gas hot water heaters. 1,959,970; May 22.
- Stinson, William L., Huntington, assignor to Jeffery Dewitt Insulator Company, Kenova, W. Va. Attachment for insulators. 1,976,418; Oct. 9.
- Stinson, William L., and C. L. Stroup, Huntington, assignors to Jeffery Dewitt Insulator Company, Kenova, W. Va. Insulator. 1,952,517; Mar. 27.
- Stipe, Lester E., Portland, Oreg. Refrigerator tray. 1,951,071; Mar. 13.
- Stires, William H., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Dredge bucket and lip assembly. 1,984,322; Dec. 11.
- Stires, William H., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Dredge Bucket. 1,984,323; Dec. 11.
- Stires, William H., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Dredge bucket and lip assembly. 1,984,324; Dec. 11.
- Stiriss, Jacob D., assignor to Durable Toy Novelty Company, New York, N. Y. Moving picture projector. 1,963,454; June 19.
- Stiriss, Jacob D., assignor to Durable Toy Novelty Company, New York, N. Y. Moving picture projector. 1,963,455; June 19.
- Stiriss, Jacob D., Cleveland, Ohio, assignor to Durable Toy and Novelty Corporation, New York, N. Y. Moving picture projector. 1,981,829; Nov. 20.
- Stirlen, Eugene D. (See Geer, C. D., and Stirlen.)
- Stirlen, Eugene D., and J. L. Biach, assignors to The Engineering and Research Corporation, New Haven, Conn. Control for traffic signal systems. 1,944,723; Jan. 23.
- Stirlen, Eugene D., and C. D. Geer, assignors to The Engineering and Research Corporation, New Haven, Conn. Timer and system. 1,945,091; Jan. 30.
- Stirling, J. Campbell, assignor to Stanolind Pipe Line Company, Tulsa, Okla. Testing device. 1,979,912; Nov. 6.
- Stirn, L. & E., Inc. (See Bennett, Verna L., assignor.)
- Stirnemann, Ernst. (See Lüscher, E., and Stirnemann.)
- Stites, Joseph D., Plainfield, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Fastening means. 1,966,835; July 17.
- Stith, Roy L., Locust Grove, Okla. Circulating water heater. 1,983,199; Dec. 4.
- Stitt, Benton F., assignor to The Stitt Ignition Company, Columbus, Ohio. Spark plug. 1,957,397; May 1.
- Stitt Ignition Company, The. (See Stitt, Benton F., assignor.)
- Stitt, Roger H., assignor to United States Gypsum Company, Chicago, Ill. Acoustical building construction. 1,950,420; Mar. 13.
- Stitt, Roger H., assignor to United States Gypsum Company, Chicago, Ill. Reinforcing and fastening means for tile. 1,951,711; Mar. 20.
- Stitt, Roger H., assignor to United States Gypsum Company, Chicago, Ill. Tile fastening clip. 1,972,058; Aug. 28.
- Stivers, Earl R. (See Babcock, G. C., and Stivers.)
- Stivers, Jake M., Carthage, Mo., assignor to M. Hanley, receiver for Equity Finance & Investment Corporation. Abrading device. 1,959,647; May 22.
- Stock, Alfred, Karlsruhe, Germany, assignor to Degea Aktiengesellschaft (Auergerellschaft), Berlin, Germany. Process and apparatus for purifying air vitiated with mercury vapors. 1,984,164; Dec. 11.
- Stock, Anthony T., Elmwood Park, Ill. Refrigeration apparatus. 1,981,606; Nov. 20.
- Stock, Ephraim, Hams Fork, Wyo., assignor of one-half to J. P. Stock, Fish Haven, Idaho. Amusement device. 1,965,676; July 10.
- Stock, John H., Shullsburg, Wis., and J. A. Miller, Hampton, Iowa. Can boxing machine. 1,985,218; Dec. 18.
- Stock, Josef. (See Wilke, K., Stock, and Schubert.)
- Stock, Joseph P. (See Stock, Ephraim, assignor.)
- Stock, Otto F., assignor to The Julian & Kokenge Co., Columbus, Ohio. Shoe. Des. 94,002; Dec. 4.
- Stock, Otto F., assignor to The Julian & Kokenge Co., Columbus, Ohio. Shoe. Des. 94,003; Dec. 4.
- Stock, Roland T., Hendon, England. Variable speed gear. 1,962,972; June 12.
- Stockdale, Frank T., Frostburg, Pa. Coal conveyer. 1,949,847; Mar. 6.
- Stockdale, Thomas E., Hammond, Ind., and G. M. Keranen, assignors to Standard Oil Company, Chicago, Ill. Chamber coil connection. 1,946,118; Feb. 6.
- Stockelbach, Frits E., Montclair, N. J., assignor to H. H. Fries, New York, N. Y. Phenol derivative and preparing same. 1,982,180; Nov. 27.
- Stocker, Charles J., Salt Lake City, Utah. Breaker-point dresser. 1,966,601; July 17.
- Stocker, Charles J., Salt Lake City, Utah. Breaker-point dresser. 1,978,479; Oct. 30.
- Stocker, Closman P., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,974,087; Sept. 18.
- Stocker, George W., New Haven, Conn., assignor to S. R. Taylor, Flushing, N. Y. Walking device for dolls and the like. 1,960,981; May 29.
- Stocker, Robert. (See Müller, J., and Stocker.)
- Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearing sleeves. 1,942,578; Jan. 9.

- Stockfleth, Berger, Niles, Mich., assignor, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing sleeve. 1,970,024; Aug. 14.
- Stockfleth, Berger, and G. L. Sherwood, Niles, Mich., assignors, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Forming bimetal trips for bearing sleeves. 1,943,351; Jan. 16.
- Stockfleth, Berger, and F. W. Burger, Niles, Mich., assignors, by mesne assignments, to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Producing bearings. 1,950,094; Mar. 6.
- Stockholm Superfosfat Fabriks Aktiebolag. (See Gelhaar, Stefan J., assignor.)
- Stockholms Superfosfat Fabriks Aktiebolag. (See Olsson, John T., assignor.)
- Stockil, Raymond O., Takoma Park, Md. Hobby horse. 1,941,722; Jan. 2.
- Stockline Furniture Corporation. (See Michal, James, assignor.)
- Stockly, Harold A., Alhambra, Calif. Air conditioning system. 1,980,109; Nov. 6.
- Stöckly, Johann J., and August Brütz, Teltow-Seehof, Germany, assignors to North American Rayon Corporation, New York, N. Y. Apparatus for spinning artificial silk with greater take-up speed. 1,972,278; Sept. 4.
- Stockman, Walter G., New York, N. Y. Fountain pen attachment. 1,957,366; May 1.
- Stockman, Walter G., New York, N. Y. Punch faucet. 1,971,284; Aug. 21.
- Stockman, William M., Chicago, Ill. Bracelet or similar article. Des. 91,851; Mar. 27.
- Stockmeyer, Friedrich W., Vaihingen, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Gas burning apparatus. 1,949,030; Feb. 27.
- Stocks, Herbert H., and F. W. Linch, Blackley, Manchester, assignors to Imperial Chemical Industries, Limited, London, England. Color lake. 1,967,912; July 24.
- Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Range. Des. 93,250; Sept. 4.
- Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Range. Des. 93,251; Sept. 4.
- Stockton, McKinley, assignor to The Dicalite Company, Los Angeles, Calif. Wear resisting blower rotor blades. 1,948,949; Feb. 27.
- Stockton, McKinley, Redondo Beach, assignor to The Dicalite Company, Los Angeles, Calif. Calcining diatomaceous earth. 1,966,862; July 10.
- Stockton, McKinley, Redondo Beach, assignor to The Dicalite Company, Los Angeles, Calif. Calcining diatomaceous earth. 1,966,863; July 10.
- Stockton, McKinley, Redondo Beach, assignor to The Dicalite Company, Los Angeles, Calif. Treatment of diatomaceous earth with chemical agents. 1,970,204; Aug. 14.
- Stockton, McKinley, Redondo Beach, assignor to The Dicalite Company, Los Angeles, Calif. Heat treatment of diatomaceous earth. 1,985,526; Dec. 25.
- Stockwell, Roy A., Hartford, Mich. Train order hoop. 1,942,010; Jan. 2.
- Stoddard, Charles F., assignor to R. S. Grogan, Chicago, Ill. Faucet. 1,984,999; Dec. 18.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 1,943,636; Jan. 16.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 1,946,181; Feb. 6.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Faucet connection. 1,954,105; Apr. 10.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 1,968,657; July 31.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dish rack. 1,968,658; July 31.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 1,976,902; Oct. 16.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Suspension joint. 1,980,448; Nov. 13.
- Stoddard, Edgar S., Berwyn, and W. C. Rykert, Hinsdale, assignors to The Conover Company, Chicago, Ill. Dishwashing machine. 1,971,543; Aug. 28.
- Stoddard, Edgar S., Berwyn, and J. Piekarski, assignors to The Conover Company, Chicago, Ill. Dishwashing machine. 1,971,587; Aug. 28.
- Stoddard, Edgar S., Berwyn, and W. C. Rykert, Hinsdale, assignors to The Conover Company, Chicago, Ill. Dishwashing machine. 1,971,588; Aug. 28.
- Stoddard, Edward C., Racine, Wis. Electric ozone generator. 1,971,513; Aug. 28.
- Stoddard, Ralph N., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Welding apparatus. 1,973,122; Sept. 11.
- Stoekert, Isidor. (See Torchia, A., and Stoekert.)
- Stoekly, Johann J., and A. Brütz, Teltow Seehof, Germany, assignors to North American Rayon Corporation, New York, N. Y. Manufacture of artificial filaments. 1,984,325; Dec. 11.
- Stoehr, Washington A., Reserve Township, Allegheny County, Pa. Electric fuse. 1,982,032; Nov. 27.
- Stoek, Herman W. (See Lake, R. A., and Stoek.)
- Stoesling, Ludwig, H. Field, jr., Monrovia, and C. B. Barlow, Hollywood, Calif. Slush pump. 1,964,932; July 3.
- Stoesser, Sylvia M. (See White, A. C., and Stoesser.)
- Stoesser, Wesley C., Midland, Mich., and R. F. Marschner, State College, Pa., assignors to The Dow Chemical Company, Midland, Mich. Producing diphenyl monosulphonic acid. 1,942,386; Jan. 2.
- Stoesser, Wesley C., and F. B. Smith, assignors to The Dow Chemical Company, Midland, Mich. Catalyst for the nuclear chlorination of benzene compounds and using same. 1,946,040; Feb. 6.
- Stoesser, Wesley C., and R. F. Marschner, assignors to The Dow Chemical Company, Midland, Mich. Preparation of di-diphenyl oxides. 1,972,605; Sept. 4.
- Stoesser, Wesley C., and R. F. Marschner, assignors to The Dow Chemical Company, Midland, Mich. Sodium diphenyl-para-sulphonate and making same. 1,981,337; Nov. 20.
- Stoetzel, Joseph J., Queens Village, assignor to G & G Atlas Systems, Inc., New York, N. Y. Pneumatic dispatch apparatus. 1,944,769; Jan. 23.
- Stofiel, Lawrence W., et al. (See Sparks, Samuel W., assignor.)
- Stogner, Lawrence B., sr., assignor to Sonoco Products Company, Hartsville, S. C. Die. 1,984,774; Dec. 18.
- Stogoff, Peter E., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power supply system. 1,973,123; Sept. 11.
- Stogoff, Peter E., Wilkensburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power control for inductive load. 1,982,329; Nov. 27.
- Stöhr, Josef, Waldshut, Germany. Preparation of alumina poor in silicic acid from alkaline earth aluminates. 1,978,823; Oct. 30.
- Stöhr, Max, Berlin-Spandau, Germany, assignor to General Electric Company. Electrical distribution. 1,947,233; Feb. 13.
- Stöhr, Max, Berlin-Tegel, Germany, assignor to General Electric Company. Electric valve converting system. 1,973,547; Sept. 11.
- Stoiber, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Centrifugal governor for a motion-picture camera. 1,976,304; Oct. 9.
- Stoica, Theodore, Middletown, Conn. Fabric-stretching machine. 1,950,578; Mar. 13.
- Stoico, Raffaele, Camden, N. J. Fruit and vegetable press. 1,943,150; Jan. 9.
- Stoker, Paul P., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,982,181; Nov. 27.
- Stokes, Charles J., assignor of one half to A. Bennett, London, England. Camera back and shutter. 1,948,141; Feb. 20.
- Stokes, Charles L., Los Angeles, Calif. Liquid pumping and circulating system. 1,954,461; Apr. 10.
- Stokes, Charles L., Beverly Hills, Calif., assignor, by mesne assignments, to L. A. Williams, Evanston, and C. C. Bradbury, Glencoe, Ill., successor trustees. Automatic fuel regulator. Re19,401; Dec. 18.
- Stokes, F. G., Machine Company. (See Westin, Charles J., assignor.)
- Stokes, Francis J., Philadelphia, Pa. Automatic tube machine. 1,977,413; Oct. 16.
- Stokes, John S. (See Novotny, Emil E., assignor.)
- Stokes, John S. (See Novotny, E. E., and Johnson, assignors.)
- Stokes, John S., Huntington Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Manufacture of lined boxes. 1,960,800; May 29.
- Stokes, John S., Huntington Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Box. 1,983,323; Dec. 4.
- Stokes, Jos., Rubber Co. (See Martindell, Milton H., assignor.)
- Stokes, Jos., Rubber Co. (See Martindell, M. H., and Stenmar, assignors.)
- Stokes, Oscar E., Streator, Ill., assignor of one-half to Automatic Washer Company, Newton, Iowa, and one-half to Altorfer Bros. Company, East Peoria, Ill. Gearing for washing machines. Re19,357; Oct. 30.
- Stokes, Oscar E., Streator, Ill., assignor of one-half to Automatic Washer Company, Newton, Iowa, and one-half to Altorfer Bros. Company, East Peoria, Ill. Gearing for washing machines. 1,953,729; Apr. 3.
- Stokes and Smith Company. (See Stokes, John S., assignor.)
- Stolcz, Julius. (See Silbermann, E., and Stolcz.)
- Stolenberg, Louis, Oakland, Calif. Potato harvesting apparatus. 1,960,857; May 29.
- Stoll, Albert, Detroit, Mich. Locking means for nuts, screws, and washers. 1,959,009; May 15.
- Stoll, Albert, assignor to National Machine Products Company, Detroit, Mich. Coupling mechanism for nuts and washers. 1,946,820; Feb. 13.
- Stoll, Albert, assignor to National Machine Products Company, Detroit, Mich. Producing valve seat rings. 1,959,068; May 15.
- Stoll, Albert, Koblenz, Switzerland. Driving coupling for a rotary tool. 1,975,984; Oct. 9.
- Stoll, Arthur, A. Binkert, and W. Kussmaul, assignors to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture of 1-iodo-8-hydroxy-naphthalenesulphonic acids. 1,946,950; Feb. 13.

- Stoll, Arthur, and E. Burckhardt, assignors to the firm Chemical Works, formerly Sandoz, Basel, Switzerland. Manufacture of calcium mixed salts of polyhydroxymono-carboxylic and bionic acids. 1,967,760; July 24.
- Stoll, Arthur, and A. Binkert, assignors to firm Chemical Works formerly Sandoz, Basel, Switzerland. Azo compounds and their production. 1,982,553; Nov. 27.
- Stoll, Arthur, and A. Binkert, assignors to Swiss firm of Chemical Works formerly Sandoz, Basel, Switzerland. Bile acid amides and their preparation. 1,983,414; Dec. 4.
- Stoll, Karl. (See Guntermann, W., and Stoll.)
- Stoll, Paul A. (See Kayko, C. J., and Stoll.)
- Stoller, Fred E., Chicago, Ill. Furnace having water cooled grate. 1,962,791; June 12.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control system. 1,958,596; May 15.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous motor. 1,959,449; May 22.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifier circuit. 1,965,439; July 3.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture apparatus. 1,968,429; July 31.
- Stollsteimer, Frederick J., Brookline, Pa. Refrigerator. 1,963,565; June 19.
- Stolp, Samuel S., Louisville, Ky., and H. A. Brown, Cleveland, Ohio. Solenoid. 1,978,916; Oct. 30.
- Stolp, Samuel S., Louisville, Ky., assignor to Cheatham Electric Switching Device Company. Binding post terminal. 1,979,582; Nov. 6.
- Stoltenberg, Louis, Oakland, Calif. Potato harvesting apparatus. 1,953,317; Apr. 3.
- Stoltz, Carl F., and W. Welsh, Cincinnati, Ohio, assignors to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,961,855; June 5.
- Stolz, Friedrich, and F. Flaecher, Frankfurt-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. N-substituted phenyl alkylol amines. 1,959,392; May 22.
- Stolz, Friedrich, and F. Flaecher, Frankfurt-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 1-phenyl-2-methylbenzylaminopropanol-1. 1,959,393; May 22.
- Stone, Abraham, Brooklyn, N. Y. Storage bag. 1,942,224; Jan. 2.
- Stone, Abraham, Brooklyn, N. Y. Collapsible wardrobe. 1,943,044; Jan. 9.
- Stone, Abraham, Brooklyn, N. Y. Collapsible wardrobe. 1,947,955; Feb. 20.
- Stone, Abraham, Brooklyn, N. Y. Garment bag. 1,968,102; July 31.
- Stone, Albert A., Deptford, London, England. Article feeder for packing machines. 1,980,641; Nov. 13.
- Stone, Albert J., Detroit, Mich. Heating element for electric water heaters. 1,953,994; Apr. 10.
- Stone, Arthur A. (See Snow, H. C., and Stone.)
- Stone, Arthur A., assignor to I. M. Stone and M. C. Friedman, Cleveland Heights, Ohio. Food broiler. Des. 91,912; Apr. 3.
- Stone, Charles F., Upper Darby, Pa. Delivery box for such articles as cigars and cigarettes. 1,985,585; Dec. 25.
- Stone, Charles W., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 1,969,676; Aug. 7.
- Stone, Donald D. (See Dolza, J., and Stone.)
- Stone, Edwin W. (See Knowland, R. G., and Stone.)
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. Des. 92,117; Apr. 24.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. Des. 92,377; May 29.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. Des. 92,829; July 17.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. 1,978,391; Oct. 23.
- Stone, Elmer B., and L. M. Dyson, assignors to The American Hardware Corporation, New Britain, Conn. Lock. 1,957,859; May 8.
- Stone, Enoch G., Piedmont, Okla. Cotton harvester. 1,942,192; Jan. 2.
- Stone, Francis W. (See Berg, Francis H., assignor.)
- Stone, Fred L., Schenectady, N. Y., assignor to General Electric Company. Electrically operated hoist. 1,953,783; Apr. 3.
- Stone, Frederick, assignor, by mesne assignments, to Hydril Company, Los Angeles, Calif. Casing plug. 1,971,514; Aug. 28.
- Stone, Frederick, Los Angeles, and R. L. Engstrom, Hermosa Beach, assignors, by mesne assignments, to Hydril Company, Los Angeles, Calif. Pump-down plug. 1,949,498; Mar. 6.
- Stone, Frederick L., assignor to G. J. Stone, Denver, Colo. Display stand. 1,969,107; Aug. 7.
- Stone, Grace J. (See Stone, Frederick L.)
- Stone, Harry D. (See Benedict, Edward L., assignor.)
- Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Spinning bobbin. 1,957,860; May 8.
- Stone, Herbert G., and C. A. Throp, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Package for thread cones. 1,950,908; Mar. 13.
- Stone, Ira F. (See Howell, B. G., and Stone.)
- Stone, Irwin, New York, N. Y. Inhibiting the corrosive action of alkaline aqueous solutions, etc. 1,968,722; July 31.
- Stone, Irwin M. (See Gray, P. P., and Stone.)
- Stone, Irwin M., et al. (See Stone, Arthur A., assignor.)
- Stone, J. & Company Limited. (See Chilton, Alfred H., assignor.)
- Stone, J. & Company Limited. (See Empson, Alfred W., assignor.)
- Stone, J. & Company Limited. (See Gordon, John, assignor.)
- Stone, J. & Company Limited. (See Maciver, Robert G., assignor.)
- Stone, J. & Company Limited. (See Murphy, A. J., and Wells, assignors.)
- Stone, Jesse, Pittsburgh, Pa. Fixture adapter. 1,976,199; Oct. 9.
- Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Radioantenna. 1,941,636; Jan. 2.
- Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Radio receiving system. 1,954,898; Apr. 17.
- Stone, Leo, Brockton, and F. W. McArdle, Boston, Mass., said McArdle assignor to said Stone. Envelope machine. 1,951,040; Mar. 13.
- Stone, Malcolm B., Milton, assignor to Ludlow Manufacturing Associates, Trustees, Boston, Mass. Frame. 1,973,580; Sept. 11.
- Stone, Malcolm B., Milton, assignor to Ludlow Manufacturing Associates, trustees, Boston, Mass. Frame. 1,973,583; Sept. 11.
- Stone, Malcolm B., Milton, and W. P. Williamson, Ludlow, assignors to Ludlow Manufacturing Associates, Boston, Mass., trustees. Drawing frame. 1,973,581; Sept. 11.
- Stone, Malcolm B., Milton, and W. P. Williamson, Ludlow, assignors to Ludlow Manufacturing Associates, Boston, Mass., trustees. Frame. 1,973,582; Sept. 11.
- Stone, Mary L., Arlington, Mass. Reversible wall shelf. Des. 92,870; July 24.
- Stone, Oscar J., St. Paul, Minn. Collapsible booth. 1,978,512; Oct. 30.
- Stone, Porter E., Detroit, Mich. Container closure. Des. 92,154; May 1.
- Stone, R. Harry. (See Fletcher, C. W., and Stone.)
- Stone, R. Harry, Irvington, and E. F. Tilley, Dunellen, N. J., assignor to Titeflex Metal Hose Co. Indirect heat exchanger. 1,941,587; Jan. 2.
- Stone, Rose M., Toronto, Ontario, Canada. Canopy sunshade. Des. 92,871; July 24.
- Stone, Thomas W. (See Nordmeyer, G. J., and Stone.)
- Stone, Thomas W., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Automatic control apparatus. 1,955,033; Apr. 17.
- Stone, Wallace G., St. Joseph, Mo. Distillation. 1,966,938; July 17.
- Stonefield, Earl, and R. Haley, assignors to Logan Co. Inc., Louisville, Ky. Roller conveyer. 1,949,817; Mar. 6.
- Stonehouse, William L., Detroit, Mich. Fowl and meat carving tray. 1,974,221; Sept. 18.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Drill chuck. 1,985,586; Dec. 25.
- Stoner, Harry B., Aurora, Ill. Cabinet for a game table. Des. 91,335; Jan. 9.
- Stoner, Robert V., and E. A. Schlaak, Muncie, Ind. Folding leg table. 1,943,563; Jan. 16.
- Stoner, Theodore R., Oshkosh, Wis. Valve. 1,966,567; July 17.
- Stoner, Willis G., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake. 1,953,572; Apr. 3.
- Stoner, Willis G., Detroit, Mich., assignor to Midland Steel Products Company, Cleveland, Ohio. Forming articles. 1,982,404; Nov. 27.
- Stoney, Harry, Watertown, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,960,290; May 29.
- Stoney, Harry, Watertown, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,967,180; July 17.
- Stoney, Malcolm P. (See Evans, P., and Stoney.)
- Storck, Frederick W. (See Wolfson, David, assignor.)
- Storck, Frederick W., Arlington, Mass. Apparatus for duplicating imprinted matter. 1,964,933; July 3.
- Storer, Clifford E., Cleveland, Ohio. Split ring fitting machine. 1,966,744; July 17.
- Storer, George B., Detroit, Mich., assignor, by mesne assignments, to Urschel Engineering Company, Toledo, Ohio. Forming axles for automobiles or the like. 1,945,092; Jan. 30.
- Storer, George B., Detroit, Mich., assignor, by mesne assignments, to Urschel Engineering Company, Toledo, Ohio. Automobile axle. 1,965,267; July 3.
- Storer, Norman W. (See Freeman, N. L., and Storer.)

- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive control system. 1,976,525; Oct. 9.
- Storer, Norman W., and W. S. Rugg, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Locomotive frame structure. 1,955,314; Apr. 17.
- Storer, Richard H., Vancouver, British Columbia, Canada. Street sign. 1,956,814; May 1.
- Storer, Richard H., Vancouver, British Columbia, Canada. Duplex acknowledgement card with transparent envelope. 1,985,114; Dec. 18.
- Storey, Norman C., Clewiston, Fla. Tractor. 1,957,917; May 8.
- Storey, Ralph C. (See Ellis, G. H., and Storey.)
- Storfer, Benson, Mount Vernon, assignor to Parfums Corday, Inc., New York, N. Y. Display device or similar articles. Des. 93,055; Aug. 14.
- Storm, Adolph, and T. Thorsen, assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn. Adjusting the cutters of boring machines and the like. 1,958,075; May 8.
- Storm, Adolph, and T. Thorsen, assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn. Adjusting the cutters of boring machines and the like. 1,967,454; July 24.
- Storm King Electric Corporation. (See Schramm, Adolf P. C., assignor.)
- Storm Manufacturing Co. (See Hane, Carl O., assignor.)
- Storm Manufacturing Co. (See Haram, M. A., and Lundell, assignors.)
- Storm Manufacturing Co. (See Storm, A., and Thorsen, assignors.)
- Storm, Raymond W., Pelham Manor, N. Y. Floor. 1,946,646; Feb. 13.
- Storrs, Robert W., Jr., Richmond, Va. Collapsible tube, container, and receptacle. 1,985,587; Dec. 25.
- Story, Bertrand W. (See Fuller, E. W., and Story.)
- Story & Clark Radio Corp. (See Huth, Walter H., assignor.)
- Story, Clifton C. and W. G., Beverly, Mass. Sewing machine. 1,978,917; Oct. 30.
- Story, Le Roy G. (See Bennett, H. T., and Story.)
- Story, Wilfred G. (See Story, Clifton C. and W. G.)
- Stose, Harold F., Haddonfield, N. J., assignor to Radio Corporation of America. Eccentric control groove for records. 1,943,460; Jan. 16.
- Stothert & Pitt, Limited. (See Pitt, Robert B., assignor.)
- Stott, Alexander W., Clearwater, Fla., assignor to The Hills Brothers Company, Inc., New York, N. Y. Preserving fruit peel. 1,980,013; Nov. 6.
- Stott Briquet Company. (See Roberts, Paul E., assignor.)
- Stötter, Hermann. (See Weiler, M. Wenk, and Stötter.)
- Stötter, Hermann, and T. Hermann, Leverkusen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Mothproofing agent. 1,955,207; Apr. 17.
- Stotz, John K. (See Kerr, C., Jr., and Stotz.)
- Stouber, David, New York, N. Y. Safety wheel for vehicles. 1,974,669; Sept. 25.
- Stouffer, Howard O., Annville, and E. J. Carlson, Reading, Pa. Transit level. 1,964,408; June 26.
- Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,960,650; May 29.
- Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,965,479; July 3.
- Stouges, Anthony J., Queens Village, assignor to Mergenthaler Linotype Company, New York, N. Y. Slug casting machine. 1,980,110; Nov. 6.
- Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,980,111; Nov. 6.
- Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 1,980,112; Nov. 6.
- Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,982,033; Nov. 27.
- Stough, Charles R., assignor to Motor Wheel Corporation, Lansing, Mich. Hub assembly for wheels. 1,944,724; Jan. 23.
- Stoughton, Dillis H., University City, assignor to Shapleigh Hardware Company, St. Louis, Mo. Display box. Des. 93,305; Sept. 11.
- Stoughton, Ralph H., Steubenville, Ohio. Rolling mill polisher. 1,954,716; Apr. 10.
- Stout, Edward E. (See Weydell, Jarl M., assignor.)
- Stout, Elmer O., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,952,148; Mar. 27.
- Stout, Harold E., West Reading, Pa. Sinkers for knitting machines. 1,948,599; Feb. 27.
- Stout, Herbert E., Weehawken, N. J. Combined fastener and hanger. 1,959,745; May 22.
- Stout, Herbert E., Weehawken, N. J. Adjustable revolving easel. 1,959,746; May 22.
- Stout, Minor W., Kansas City, Mo. Steam system. 1,984,290; Dec. 11.
- Stout, William B., Detroit, Mich. Airplane. 1,980,233; Nov. 13.
- Stover, Clayton, assignor to W. J. Troutman, Butler, Pa. Vapor air mixer and gas saver. 1,960,982; May 29.
- Stover, Francis E., assignor of one-half to H. Linkens, Grand Rapids, Mich. Dustpan. 1,982,182; Nov. 27.
- Stover, Frank E., assignor of one-third to B. A. Mayer and one-third to D. T. Igou, Springfield, Mass. Egg tray rack. 1,968,326; July 31.
- Stover Manufacturing & Engine Co. (See Smith, Walter A., assignor.)
- Stover, Paul A. (See Nelson, J. S., and Stover.)
- Stover, Russell, Chicago, Ill. Mechanism operator. 1,946,821; Feb. 13.
- Stow, Audley H., Maybury, W. Va., assignor, by mesne assignments, to Sanford Investment Company, Wilmington, Del. Mine car. 1,961,016; May 29.
- Stow, Audley H., Charleston, W. Va., assignor, by mesne assignments, to Sanford Investment Company, Wilmington, Del. Mine or other car. 1,961,017; May 29.
- Stow, Audley H., Charleston, W. Va., assignor, by mesne assignments, to Sanford Investment Company, Wilmington, Del. Mine car and the like. 1,961,018; May 29.
- Stow, Audley H., Charleston, W. Va., assignor, by mesne assignments, to Sanford Investment Company, Wilmington, Del. Sidewalk dumping mine car and the like. 1,961,019; May 29.
- Stow, Audley H., Charleston, W. Va., assignor, by mesne assignments, to Sanford Investment Company, Wilmington, Del. Mine and other car. 1,961,020; May 29.
- Stow, Audley H., Charleston, W. Va.; E. S. White, executrix of the estate, assignor to Sanford Investment Company, Wilmington, Del. Draft appliance for mine and other cars. 1,961,021; May 29.
- Stow, Clarence E., Tulsa, Okla., assignor to Estel Scott, Kansas City, Mo. Electric switch. 1,947,681; Feb. 20.
- Stowe, Harry F. (See Hazell, E., and Stowe.)
- Stowe, Loyd K., Shaker Heights, Ohio. Stoker. 1,985,625; Dec. 25.
- Stowe-Woodward, Inc. (See Warshaw, N., and Shepard, assignors.)
- Stowell, Austin L. (See Smith, H. L., and Stowell.)
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Saw set. 1,945,335; Jan. 30.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Miter box. 1,952,518; Mar. 27.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Tool holder. 1,956,882; May 1.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Friction spring. 1,958,024; May 8.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Vise. 1,959,936; May 22.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Safety holder for tools. 1,969,677; Aug. 7.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Folding extension rule. 1,978,887; Oct. 30.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Combination square. 1,984,951; Dec. 18.
- Stowell, Byron F., assignor to Van Norman Machine Tool Company, Springfield, Mass. Method and apparatus for grinding valve seats. 1,975,985; Oct. 9.
- Stowell, Flaxney P. (See Sewell, L. G., and Stowell.)
- Stowell, Gilbert W., Mackinaw, Ill. Snap hook. 1,944,475; Jan. 23.
- Stowell, Howard E. (See Benner, R. C., and Stowell.)
- Stowell, Leon C., Rutherford, N. J., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,966,654; July 17.
- Stower, Lester D. (See Burke, W. J., and Stower.)
- Straayer, Martin J., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Display cabinet. Des. 93,641; Oct. 16.
- Strachan, Alexander. (See Hannan, G. R., and Simonsen, assignors.)
- Strachan, Harry, Jamaica, assignor to J. F. Russell, Jr., New York, N. Y. Ironing machine. 1,978,654; Oct. 30.
- Strachan, Thomas H., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale. 1,950,462; Mar. 13.
- Strachan, Thomas H., and W. H. Fryer, Dayton, Ohio, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,972,250; Sept. 4.
- Strack, Elizabeth, Philadelphia, Pa. Support for embroidery rings and the like. 1,972,802; Sept. 4.
- Strading, Bertha M., Blair, Neb. Combined corset and diaphragm support. 1,969,952; Aug. 14.
- Stratford, Norman, and E. E. Walker, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of resins for lacquers, varnishes, and the like. 1,977,652; Oct. 23.
- Strahlendorf, John R. (See Cornwell, T. J., and Strahlendorf.)
- Strahm, Robert, Bern, Switzerland. Tightening device for type. 1,969,825; Aug. 14.
- Straight, Halver R., Adel, Iowa. Automobile rubber tire tread construction. 1,946,367; Feb. 6.
- Straight, Herbert R., assignor to Empire Oil & Refining Company, Bartlesville, Okla. Increasing the production of oil wells. 1,978,655; Oct. 30.
- Straight Stop Corporation. (See Anderson, A. C., and Strandberg, assignors.)
- Strain, William J., Upper Montclair, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, temporary trustee. Former for printing machines. 1,982,703; Dec. 4.

- Strait, Harrison G., Hyde Park, N. Y. Planting implement. 1,970,108; Aug. 14.
- Strait, Mabel S., Tulsa, Okla. Girdle. 1,945,093; Jan. 30.
- Strait, Wilber E., Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Coll. 1,956,881; May 1.
- Straitz, John F., Philadelphia, Pa., assignor to National Aerol Burner Company, Incorporated. Firing system. 1,953,275; Apr. 3.
- Straker, Arthur, New York, N. Y. Window operating device. 1,983,054; Dec. 4.
- Stramaglia, Nicola, Chicago, Ill. Laundry apparatus. 1,965,480; July 3.
- Strand, Axel C., Chicago, Ill. Sectional water heater. 1,967,136; July 17.
- Strand, Eric J., Chicago, Ill., assignor to Nudell Manufacturing Company, Inc. Fruit-juice extractor. 1,951,219; Mar. 13.
- Strand, Oscar V., Evanston, Ill. Fish scaling device. 1,982,083; Nov. 27.
- Strand, Oscar V., Evanston, Ill. Fish scaling device. 1,982,084; Nov. 27.
- Strandberg, Wallace R. (See Anderson, A. C., and Strandberg.)
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 1,951,376; Mar. 20.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,954,150; Apr. 10.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,954,151; Apr. 10.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Lister. 1,957,738; May 8.
- Strandlund, Carl G., Jr., and A. Griffith, Minneapolis, Minn.; said Strandlund assignor to said Griffith. Washboard. 1,949,499; Mar. 6.
- Strang Air Conditioning Corporation. (See Strang, J. J., and Brus, assignors.)
- Strang, Edward, Glendale, Calif. Towline. 1,985,468; Dec. 25.
- Strang, Francis B., Homestead, Pa. Collapsible tube cap. 1,954,717; Apr. 10.
- Strang, John J., and E. P. Brus, assignors to Strang Air Conditioning Corporation, Kansas City, Mo. Air conditioning device. 1,969,863; Aug. 14.
- Strang, John J., and E. P. Brus, assignors to Strang Air Conditioning Corporation, Kansas City, Mo. Air conditioning device. 1,984,605; Dec. 18.
- Strang, Perry S., Chicago, Ill. Illuminating apparatus. 1,945,832; Feb. 6.
- Strang, Peter M., Washington, D. C. Fiber cleaning machine. 1,968,860; Aug. 7.
- Strang, Peter M., Washington, D. C. Electrical carder. 1,968,861; Aug. 7.
- Strange, Charles H., Pottsville, Pa. Automatic stoker for coal stoves. 1,942,947; Jan. 9.
- Strance, Paul, Neenah, Wis. Shipping and display pail. 1,953,318; Apr. 3.
- Strasburger, Charles M., Baltimore, Md., assignor to Prepared Seafoods Corporation. Food compound and preparing same. 1,971,323; Aug. 21.
- Strassner, Frank J., Maplewood, and S. A. Whitmore, assignors, by mesne assignments, to Probar Corporation, Orange, N. J. Decorating article surfaces. 1,953,784; Apr. 3.
- Strategical Demolition Torpedo Company, The. (See Barraja-Fraenfelder, J., Magee, Thomas, and Krug, assignors.)
- Stratford, Charles W., assignor to Stratford Development Corporation, Kansas City, Mo. Fractionating process. 1,953,730; Apr. 3.
- Stratford, Charles W., assignor to Stratford Development Corporation, Kansas City, Mo. Refining hydrocarbon oil. 1,975,987; Oct. 9.
- Stratford Development Corporation. (See Stratford, Charles W., assignor.)
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Built-up abrasive element. 1,964,655; Apr. 10.
- Stratford, Reginald K., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Treating mineral oils. 1,960,461; May 29.
- Stratford, Reginald K., and W. P. Doohan, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Freeing oils from sulphur dioxide. 1,954,959; Apr. 17.
- Stratford, William M. (See Jenkins, V. N., and Stratford.)
- Stratford, William M., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,952,898; Mar. 27.
- Stratford, William M., assignor to The Texas Company, New York, N. Y. Treating oils. 1,954,431; Apr. 10.
- Stratford, William M., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,958,959; May 15.
- Stratford, William M., assignor to The Texas Company, New York, N. Y. Solvent extraction of hydrocarbon oil. 1,962,622; June 12.
- Stratford, William M., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating hydrogen oils. 1,962,752; June 12.
- Stratman, Edward A., San Leandro, Calif. Lever locking device. 1,944,116; Jan. 16.
- Stratmore Company, The. (See Stratford, Herbert R., assignor.)
- Stratmore Company, The. (See Walsh, John J., assignor.)
- Stratton, Carl H. and M., Oklahoma City, Okla. Boat. Des. 93,252; Sept. 4.
- Stratton, John F. O., Pelham Manor, N. Y. Furnace. 1,970,109; Aug. 14.
- Stratton, John F. O., Pelham Manor, N. Y. Combustion. 1,984,441; Dec. 18.
- Stratton, Myrtle. (See Stratton, Carl H., and M.)
- Straty, Stephen, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded manway for pressure vessels. 1,978,607; Oct. 30.
- Straty, Stephen, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded nozzle for jacketed vessels. 1,978,608; Oct. 30.
- Straty, Stephen, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded manway for pressure vessels. 1,978,609; Oct. 30.
- Straty, Stephen, assignor to A. O. Smith Corporation, Milwaukee, Wis. Lined pressure vessel nozzle. 1,978,610; Oct. 30.
- Straub, Arthur E., Rew, Pa. Pressure hand oiler. 1,957,735; May 8.
- Straub, Francis J., New Kensington, Pa. Making concrete blocks. 1,985,115; Dec. 18.
- Straub, Fritz, and H. Schneider, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuff containing chromium and making the same. 1,946,951; Feb. 13.
- Straub, Fritz, and W. Widmer, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Orthohydroxyazo-dyestuffs containing chromium and making same. 1,959,507; May 22.
- Straub, Fritz, and H. Mayer, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Metalliferous azo-dyestuffs and making same. 1,959,844; May 22.
- Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Chromiferous azo-dyestuffs and making same. 1,979,913; Nov. 6.
- Straub, Fritz, Basel, and H. Schneider, Riefen, near Basel, assignors to firm Society of Chemical Industry in Basle, Basel, Switzerland. Mixed chromiferous azo-dyestuffs and making same. 1,984,096; Dec. 11.
- Straub, Samuel C., assignor to Certain-Teed Products Corporation, New York, N. Y. Covering for surfaces exposed to the weather. 1,975,986; Oct. 9.
- Straub, William F. (See van Gek, W. C., and Straub.)
- Straube, Raymond C., Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine mounting. 1,964,542; June 26.
- Straubel, C. W., et al. (See Straubel, Frederick L. G., assignor.)
- Straubel, Clarence W., assignor to The General Fireproofing Company, Youngstown, Ohio. Tab construction for guide cards. 1,977,096; Oct. 16.
- Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Filing drawer. 1,975,806; Oct. 9.
- Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Filing drawer. 1,983,573; Dec. 11.
- Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Filing drawer. 1,983,574; Dec. 11.
- Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Compressor construction for filing drawers. 1,983,575; Dec. 11.
- Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Follower construction for filing drawers. 1,983,576; Dec. 11.
- Straubel, Frederick L. G., assignor of one-eighth to O. C. Straubel, Green Bay, Wis., and two-eighths to C. W. Straubel, Youngstown, Ohio. Guide construction for filing drawers. 1,983,577; Dec. 11.
- Straubel, Harald, assignor to the firm Carl Zeiss, Jena, Germany. Piezo-electric oscillator. 1,957,299; May 1.
- Straubel, O. C., et al. (See Straubel, Frederick L. G., assignor.)
- Straubel, Rudolf, assignor to firm Carl Zeiss, Jena, Germany. Dark-field condenser for microscopes. 1,951,635; Mar. 20.
- Straubel, Rudolf, assignor to the firm Carl Zeiss, Jena, Germany. Illuminating device for microscopes. 1,951,636; Mar. 20.
- Straubel, Rudolf, assignor to the firm Carl Zeiss, Jena, Germany. Optical instrument. 1,963,267; July 31.
- Strauch, Clauss B., Milwaukee, Wis. Combination of two incompatibles. 1,960,858; May 29.
- Strauch, Clauss B., New York, N. Y. Dual container. 1,979,777; Nov. 6.
- Straughan, Joseph, Shelton, Wash. Field signaling device. 1,946,595; Feb. 13.
- Straumann, Reinhard, Waldenburg, Switzerland. Spring of nickel-iron alloy. 1,974,695; Sept. 25.
- Straumann, Reinhard, assignor to the firm Fabriques d'Horlogerie Thommen S. A., Waldenburg, near Basel, Switzerland. Pivot bearing for clocks, watches, and other precision instruments. 1,950,867; Mar. 13.
- Straus, Harry H. (See Grupe, William F., assignor.)
- Straus, Harry H., New York, N. Y. Hand cigarette making device. 1,969,586; Aug. 7.

- Straus, Sylvan M., Gloversville, N. Y. Making imitation pigskin articles. Re19,402; Dec. 18.
- Strauss, Albert A., Pittsburgh, Pa. Foot guard. 1,952,294; Mar. 27.
- Strauss, Albert A., Pittsburgh, Pa. Safety hat or cap. 1,977,215; Oct. 16.
- Strauss, Ira, Woodmere, N. Y. Textile fabric. Des. 91,852; Mar. 27.
- Strauss, Joseph B. (See Butte, Paul C., assignor.)
- Strauss, Joseph B., San Francisco, Calif. Unit building construction. 1,945,124; Jan. 30.
- Strauss, Joseph B., San Francisco, Calif. Overhead crossing signal. 1,967,380; July 24.
- Strauss, Joseph B., San Francisco, Calif. Bridge. 1,967,381; July 24.
- Strauss, Joseph B., San Francisco, Calif. Highway path indicator. 1,981,206; Nov. 20.
- Strauss, Joseph B., Chicago, Ill. Motion-picture reproducing apparatus. 1,975,907; Oct. 9.
- Strauss, Paula. (See Gordon, Clara H., assignor.)
- Strawn, Chester C., De Land, Fla. Irrigation sprinkler. 1,965,912; July 10.
- Strawn, Ervin E., assignor to Paterson Parchment Paper Company, Passaic, N. J. Reel. 1,972,606; Sept. 4.
- Strawn, Ervin E., assignor to Paterson Parchment Paper Company, Passaic, N. J. Cord. 1,972,607; Sept. 4.
- Strawn, Roscoe D. et al. (See Adams, Ervin, assignor.)
- Streb, Robert J. (See Chappell, R. R., and Streb.)
- Streb, Robert J. (See Chappell, R. R., Streb, and Boettinger.)
- Strebler, George L., St. Louis, Mo., assignor to Eagle Foundry Company. Cooler for dry and wet cooling bottled goods. Des. 92,437; June 5.
- Strebler, George L., St. Louis, Mo., assignor to Eagle Foundry Company. Cooler for dry and wet cooling bottled goods. Des. 92,438; June 5.
- Strecker, Felix, Berlin-Steglitz, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone interconnecting circuit. 1,944,283; Jan. 23.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicer. 1,942,520; Jan. 9.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Slicing machine. 1,953,137; Apr. 3.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Bread slicer. 1,962,847; June 12.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicing machine. 1,979,847; Nov. 6.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicer. 1,979,848; Nov. 6.
- Streeper, I. H., 3d. (See Westover, M. R., and Campbell.)
- Street, Horace R., Cleveland, Ohio. Pouring jacket for molds. 1,983,581; Dec. 11.
- Street, Stanley, et al. (See Deolman, James, assignor.)
- Streeter, Lisle B., Farmington, Maine. Pole-type portable transformer hoist. 1,955,259; Apr. 17.
- Streets, Robert B. (See Brown, J. G., and Streets.)
- Strehler, William, Rochester, N. Y. Crank case drain pipe for automobiles. 1,957,736; May 8.
- Strehlke, George L. (See Francis, Willard H., assignor.)
- Strehs, Adam J., Miami, Fla. Paste tube cap. 1,974,348; Sept. 18.
- Streib, Charles J., New Castle, Pa. Electric combination lock switch. 1,963,875; June 19.
- Streich, Charles A., and B. J. Schulz, Oshkosh, Wis. Portable rug washing and cleaning device. 1,975,380; Oct. 2.
- Streimier, Charles H., New York, N. Y. Plaque. Des. 91,548; Feb. 20.
- Streit, Carl F., Cincinnati, Ohio. Chair. 1,973,916; Sept. 18.
- Streitwolf, Karl, Frankfurt-on-the-Main, A. Fehrle, Bad-Soden-on-Taunus, W. Herrmann, and P. Fritzsche, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Anæsthetic and preparing it. 1,954,152; Apr. 10.
- Streitwolf, Karl, Frankfurt-on-the-Main, A. Fehrle, Bad-Soden-on-Taunus, and J. Hallensleben, Frankfurt-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing an organic arsenic compound capable of being injected without causing any irritation. 1,964,863; July 3.
- Streitwolf, Karl, Frankfurt-on-the-Main, A. Fehrle, Bad-Soden-on-Taunus, and P. Fritzsche, and W. Herrmann, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Condensation product of amino-substituted arsene compounds. 1,973,923; Sept. 11.
- Streitwolf, Karl, and P. Fritzsche, Frankfurt-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Water-soluble alkyl-mercury-mercapto compounds. 1,984,097; Dec. 11.
- Strelow, Wilhelm, Berlin-Zehlendorf-West, assignor to Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Diaphragm gas meter. 1,960,801; May 29.
- Streng, Jan. (See Thompson, S. T., and Streng.)
- Streng, Jan, New York, N. Y., assignor to Colonia Radio Corporation, Buffalo, N. Y. Combined bookcase and cabinet for radioreceiver. Des. 91,284; Jan. 2.
- Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Cotton separator. 1,949,766; Mar. 6.
- Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Adjustable mote guide. 1,962,332; June 12.
- Streun, John A., Sherman, Tex., assignor to Hardwicke-Etter Company. Change bale hopper. 1,967,845; July 24.
- Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Cotton cleaner. 1,979,017; Oct. 30.
- Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator bowl. 1,945,336; Jan. 30.
- Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal bowl. 1,950,868; Mar. 13.
- Stricker, William, and M. S. Clough, Kansas City, Mo. Hair curling and waving device. 1,967,544; July 24.
- Strickhouser, Sherman I., Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Method and composition for coating rubber. 1,957,965; May 1.
- Strickland, Hugh L. (See Brooks, Glenn R., assignor.)
- Strickland, Orlen S., Portales, N. Mex. Casket. Des. 91,505; Feb. 13.
- Strickland, Silas A., Detroit, Mich. Taper roller bearing structure. 1,945,094; Jan. 30.
- Stricklen, John R., and S. A. Fraine, Akron, Ohio, assignors to Taylor Instrument Companies, Rochester, N. Y. Apparatus for the vulcanization of rubber tires and the like. 1,984,318; Dec. 18.
- Strider, Isaac H. (See Beeson, A., and Strider.)
- Strieby, Maurice E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,950,127; Mar. 6.
- Strobach, Edward G. (See Janovitch, Eugene, assignor.)
- Strobel, Clarence J., Port Huron, assignor to St. Clair Rubber Company, Detroit, Mich. Artificial board and forming the same. 1,944,533; Jan. 23.
- Strobel, Clarence J., Port Huron, assignor to St. Clair Rubber Company, Detroit, Mich. Artificial board and forming the same. 1,955,984; Apr. 24.
- Strobel, William E., Maplewood, N. J. Reversible last and foot-rest. 1,977,157; Oct. 16.
- Strobell, John D. (See Hulise, G. E., and Strobell.)
- Strobell, John D., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration. 1,973,022; Sept. 11.
- Strobell, John D., and G. E. Hulise, New Haven, Conn., assignors to The Safety Car Heating & Lighting Company. Refrigerating system for vehicles and the like. 1,943,994; Jan. 16.
- Stroedter, Karl, assignor to the firm Gebr. Eickhoff Maschinenfabrik und Eisengiesserei, Bochum, Germany. Driving gear of reciprocating mechanism such as jiggers, shaking conveyers and the like. 1,966,319; July 10.
- Strohacker, Louis, assignor to Structo Mfg. Company, Freeport, Ill. Toy riding car. Des. 93,145; Aug. 21.
- Strohacker, Louis, assignor to Structo Manufacturing Company, Freeport, Ill. Lighting system for toy automobiles. 1,949,088; Feb. 27.
- Strohacker, Louis, assignor to Structo Manufacturing Company, Freeport, Ill. Lighting system for toy automobiles. 1,957,679; May 8.
- Strohl, Harrison A., Nesquehoning, Pa. Siphon gravity separator. 1,948,140; Feb. 20.
- Strohm, Otto E., Chicago, Ill. Ring. Des. 92,273; May 15.
- Strohofer, Kenneth W., assignor of one-third to H. J. Sands, one-third to A. Miller, Brooklyn, and one-third to L. Cohen, New York, N. Y. Edged cardboard reel. 1,966,191; July 10.
- Strom, Albert P., and H. L. Rawlins, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. High power fuse. 1,971,836; Aug. 28.
- Strom, Clifton O., sr., assignor to Racine Stoker Manufacturing Company, Racine, Wis. Automatic reverse valve for stokers. 1,952,690; Mar. 27.
- Stromberg, Bror W. (See Benner, R. C., Easter, and Stromberg.)
- Stromberg Carburetor Company. (See Welch, Horace H., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Graham, Virgil M., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Haubrich, Alexander M., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. The. (See Powell, Winfred T., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. The. (See Weber, Leonard G., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. The. (See Worthington, Everett, assignor.)
- Stromberg Electric Company. (See Denniston, Adolph L., assignor.)
- Stromberg Electric Company. (See Long, Albert E., assignor.)
- Stromberg, Emil A., assignor to Stromberg Motoscope Corporation, Chicago, Ill. Adapter. 1,955,394; Apr. 17.
- Stromberg Motoscope Corporation. (See Lawrence, Harold J., assignor.)
- Stromberg Motoscope Corporation. (See Stromberg Emil A., assignor.)
- Stromberg, Olaf E. E. (See Lack, A., and Stromberg.)
- Stromberg, Olof E. E., Chicago, Ill. Rotary engine. 1,973,397; Sept. 11.

- Stromelly, Joseph A., New York, N. Y. Gauging, severing, piling, and holding mechanism for sheet material. 1,949,262; Feb. 27.
- Stromertz, Archie T. (See Krieg, E. J., and Stromertz.)
- Strong, Archie H., Conshohocken, Pa. Control mechanism. 1,953,446; Apr. 3.
- Strong, Archie H., assignor to Master Domestic Refrigerating Company, Inc. Conshohocken, Pa. Refrigerating apparatus. 1,955,612; Apr. 17.
- Strong, Archie H., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Air conditioning apparatus. 1,962,532; June 12.
- Strong, Chester F., Miami, Fla. Booster control. 1,960,683; May 29.
- Strong, Howard W., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Destructive hydrogenation. 1,949,089; Feb. 27.
- Strong, Howard W., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Production of hydrocarbons of low boiling point from those of higher boiling point. 1,951,713; Mar. 20.
- Strong-Scott Mfg. Co., The. (See Quehl, Richard G., assignor.)
- Strong, Walter J. (See Anderson, J. F., Strong, and Torrence.)
- Strong, Walter J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire painting and trimming machine. 1,983,684; Dec. 11.
- Strongson, Herman L., New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making cored heels. 1,946,770; Feb. 13.
- Strongson, Herman L., assignor to L. Oser, New York, N. Y. Automatically timed drink mixer. 1,946,771; Feb. 13.
- Strongson, Herman L., assignor to L. Oser, New York, N. Y. Drink mixer with automatic elevator. 1,968,268; July 31.
- Strosacker, Charles J., C. C. Kennedy, and E. L. Pelton, assignors to The Dow Chemical Company, Midland, Mich. Making alkali metal acetates. 1,961,625; June 5.
- Strosacker, Charles J., and H. S. Kendall, assignors to The Dow Chemical Company, Midland, Mich. Thermally decomposing hydrocarbons. 1,983,415; Dec. 4.
- Strothmann, Rudolph, Belleville, Ill. Radiator. 1,946,990; Feb. 13.
- Stroud, Francis H., assignor to Johnson Manufacturing Co., Seattle, Wash. Diesel engine. 1,974,083; Sept. 18.
- Stroud, Perry C., and R. L. Brace, said Brace assignor to said Stroud, Portage, Wis. Oil reclaiming machine. 1,975,594; Oct. 2.
- Stroud, Voet E., Bellflower, Calif. Straight hole drilling device. 1,941,723; Jan. 2.
- Strout, James, Stratford, Wash. Valve. 1,945,760; Feb. 6.
- Stroup, Charles L. (See Stinson, W. L., and Stroup.)
- Strouse, George C. (See Lubs, H. A., and Strouse.)
- Strouse, Isaac, assignor to Liberty Distilleries, Inc., Baltimore, Md. Container. Des. 92,683; July 3.
- Strowbridge, Frederick J. (See Preston, H. O., and Strowbridge.)
- Struckmeyer, Frederick, Dallas, Tex. Universal weeding implement. 1,946,006; Feb. 6.
- Structo Manufacturing Company. (See Strobacker, Louis, assignor.)
- Strumia, John. (See Apple, E. M., and Strumia.)
- Struve, Frederick E., assignor to Apex Hosiery Company, Philadelphia, Pa. Stocking. 1,956,163; Apr. 24.
- Struve, Henry C., Deshler, Nebr., Broom. 1,955,034; Apr. 17.
- Struve, Oscar I., Buffalo, N. Y. Container. 1,941,871; Jan. 2.
- Stuart, Alexander T., Toronto, Ontario, Canada. Electrolytic method and cell for the decomposition of water. 1,941,816; Jan. 2.
- Stuart, Alexander T., Toronto, Ontario, Canada. Method and apparatus for the purification of the oxygen and hydrogen resulting from the electrolytic decomposition of water. 1,965,813; July 10.
- Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Metal furniture tubing. Des. 91,692; Mar. 6.
- Stuart, Charles J., New Haven, assignor to The Humason Manufacturing Company, Forestville, Conn. Measuring spoon. Des. 92,118; Apr. 24.
- Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Ephedrine Ethyl mercuri-thiosalicylate. 1,954,432; Apr. 10.
- Stuart, Henry B., assignor to Whitin Machine Works, Whitinsville, Mass. Lubricating device for twister rings. 1,979,778; Nov. 6.
- Stuart, Joseph, 2d, assignor to Hercules Powder Company, Wilmington, Del. Centrifugal. 1,950,869; Mar. 13.
- Stuart, Joseph, 2d, assignor to Hercules Powder Company, Wilmington, Del. Method and machine for bunching lead wires. 1,958,870; May 15.
- Stuart, Joseph, 2d, assignor to Hercules Powder Company, Wilmington, Del. Delay cap. 1,964,390; June 26.
- Stuart, Kenneth E., Merion, Pa., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Apparatus for proportional determination. 1,964,775; July 3.
- Stuart, Robert, Long Island, N. Y. Advertising folder. 1,969,768; Aug. 14.
- Stuart, Robert W. (See McIntyre, G. H., and Stuart.)
- Stuart, William W., Des Moines, Iowa. Ignition device. 1,958,773; May 15.
- Stubbins, William. (See Harris, G. E., and Stubbins.)
- Stubblefield, Walter, Roseburg, Ore. Fishing reel drive. 1,953,693; Apr. 3.
- Stubbs, Everard, Springfield, Vt., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,958,551; May 15.
- Stuber, Bernard K., Detroit, Mich. Universal joint. 1,975,758; Oct. 2.
- Stuber & Kuck Co. (See Seipt, Meinhardt M., assignor.)
- Stuber, Walter J., assignor to Carey-McFall Co., Philadelphia, Pa. Hooded bracket for curtains, etc. 1,960,983; May 29.
- Stuber, Walter J., assignor to Carey-McFall Co., Philadelphia, Pa. Curtain roller. 1,971,995; Aug. 28.
- Stucker, Carl O. (See Willmore, K. N., Carroll, and Stucker.)
- Stuckey, Samuel G., assignor to Obear-Nester Glass Company, St. Louis, Mo. Method of and apparatus for feeding molten glass. 1,945,871; Feb. 6.
- Stucki, Arnold. (See Severn, Arthur B., assignor.)
- Stucki, Arnold, Pittsburgh, Pa. Side bearing. 1,964,543; June 26.
- Studebaker Corporation, The. (See Churchill, Harold E., assignor.)
- Studebaker Corporation, The. (See Hughes, James R., assignor.)
- Studebaker Corporation, The. (See Kratz, Delbert, assignor.)
- Studebaker Corporation, The. (See Kreis, Oscar C., assignor.)
- Studebaker Corporation, The. (See Roos, Delmar G., assignor.)
- Studebaker Corporation, The. (See Wilcox, Carl C., assignor.)
- Studt, Ernst, Nordenham-on-the-Weser, Germany, A. R. Kemp, Westwood, N. J., and F. S. Malm, Chicago, Ill.; said Studt assignor to Felten and Guillaume Carlswerk A. G., Cologne-Mulheim, Germany, and said Kemp and Malm assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Joining thermoplastic insulation. 1,954,960; Apr. 17.
- Stuebing, Albert F., Scarsdale, N. Y. Friction draft gears. 1,942,377; Jan. 2.
- Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Side lift truck. 1,953,046; Mar. 27.
- Stuebing, William, jr., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 1,953,872; Apr. 3.
- Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,968,659; July 31.
- Stug Kohlenstaubfeuerung Patentverwertung, G. m. b. H. (See Kempf, Willy, assignor.)
- Stuhler, Geo. F. & Company. (See Brykczynski, C., and Chmuryzinski, assignors.)
- Stühler, Martin, Cologne, Germany. Agitating machine. 1,947,398; Feb. 13.
- Stuhlmann, Hans C., and O. Weitermann, Premnitz, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Process of and apparatus for treating artificial threads. 1,971,627; Aug. 28.
- Stuke, Adolph H., Floral Park, N. Y. Portable bowling alley. 1,965,715; July 10.
- Stukenborg, Louis C., Memphis, Tenn. Dual-post vehicle lift. 1,982,936; Dec. 4.
- Stukenborg, Louis C., Memphis, Tenn. Hydraulic vehicle lift. 1,962,220; June 12.
- Stulik, Ernest, Buffalo, N. Y. Camp stove. Des. 91,639; Feb. 27.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article working apparatus. 1,943,097; Jan. 9.
- Stults, Virgil. (See Dacon, C. H., and Stults.)
- Stulz-Sickles Company. (See Payne, Burt H., assignor.)
- Stupakoff Laboratories, Inc. (See Stupakoff, Semon H., assignor.)
- Stupakoff, Semon H., assignor to Stupakoff Laboratories, Inc., Pittsburgh, Pa. Insulator and cathode embodying the same. 1,982,885; Dec. 4.
- Stuparich, Paul J., San Francisco, Calif. Apparatus for coloring photographic mounts. 1,968,327; July 31.
- Stuparich, Paul J., San Francisco, Calif. Making inlaid mounts. 1,968,328; July 31.
- Stupp, Charles G., assignor to The Barrett Company, New York, N. Y. Method and apparatus for distillation of hydrocarbons, etc. 1,958,450; May 15.
- Sturdevant, Earl B. (See Shaw, G. B., Sturdevant and Short.)
- Sturgell, Garland H., Skagway, Alaska. Water transport for automobiles and the like. 1,943,564; Jan. 16.
- Sturges, Thomas B. (See Ferguson, John A., assignor.)
- Sturgis, Charles E., Rochester, N. Y. Brush. 1,949,665; Mar. 6.
- Sturgis, La Verne C., Springfield, assignor, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Method of and apparatus for hatching eggs. 1,983,055; Dec. 4.
- Sturgis, William B., Chicago, Ill. Oil burner. 1,968,360; July 31.
- Sturm, Conrad F., assignor to Glove Corporation, Alexandria, Ind. Glove. 1,963,595; June 19.

- Sturm, Erwin, Stuttgart-Botnang, Germany. High pressure rotary engine, especially for hydraulic transmissions. 1,943,637; Jan. 16.
- Sturm, Fritz, and E. Hartmann, assignor to Luftschiffbau Zepplin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Pivotaly supported gearing. 1,956,051; Apr. 24.
- Stürner, Otto, Berlin-Steglitz, Germany. Device for producing changing inscriptions. 1,978,556; Oct. 30.
- Sturtevant, B. F. (See Hanson, Milton E., assignor.)
- Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
- Sturtevant, B. F., Company. (See Allen, George W., assignor.)
- Sturtevant, B. F., Company. (See Allen, G. W., and Salt, assignors.)
- Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
- Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)
- Sturtevant, B. F., Company. (See Davis, Jesse H., assignor.)
- Sturtevant, B. F., Company. (See Doherty, James W., assignor.)
- Sturtevant, B. F., Company. (See Foss, Benjamin S., assignor.)
- Sturtevant, B. F., Company. (See Foss, B. S., and Anderson, assignors.)
- Sturtevant, B. F., Company. (See Goldthwaite, George R., assignor.)
- Sturtevant, B. F., Company. (See Morton, Harry E., assignor.)
- Sturtevant Mill Company. (See Doyle, William T., assignor.)
- Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,958,726; May 15.
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,968,862; Aug. 7.
- Sturtevant, Vernon O., Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Time recorder. 1,965,969; July 10.
- Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 1,975,411; Oct. 2.
- Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New intermediate product for azodyestuffs. 1,985,556; Dec. 25.
- Stutsman, Ohmer E., and G. L. Becker, Dayton, Ohio. Bicycle. Des. 92,777; July 10.
- Stutts, Robert T. (See McNamara, H. C., and Stutts.)
- Stutz, George F. A., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Manufacture of pigments. 1,963,566; June 19.
- Stutz, George F. A., and A. C. Elm, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Paint. 1,978,727; Oct. 30.
- Styer, Charles A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photosensitive device. 1,955,315; Apr. 17.
- Styer, Charles A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Analysis employing photosensitive devices. 1,977,359; Oct. 16.
- Styles, Oliver, Santiago, Chile. Lathe chuck. 1,978,611; Oct. 30.
- Stylofed Corporation. (See Robbins, Jesse J., assignor.)
- Styri, Haakon, assignor, by mesne assignments, to S K F Industries, Inc., Philadelphia, Pa. Making bearing cages and the product thereof. 1,958,025; May 8.
- Styron, George F., assignor of forty percent to Manley G. Lee, Goldsboro, N. C. Veneer handling machine. 1,957,621; May 8.
- Subkow, Philip. (See Gard, E. W., and Subkow.)
- Subkow, Philip. (See Merrill, D. R., and Subkow.)
- Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Manufacture of cup grease. 1,971,760; Aug. 28.
- Subkow, Philip, Los Angeles, Calif. Continuous process for making carbureted water gas. 1,972,833; Sept. 4.
- Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for gas-lift control. 1,981,477; Nov. 20.
- Submarine Signal Company. (See Beers, Roland F., assignor.)
- Submarine Signal Company. (See Clement, Ivan C., assignor.)
- Submarine Signal Company. (See Fay, R. D., and Dorsey, assignors.)
- Submarine Signal Company. (See Hart, Robert W., assignor.)
- Submarine Signal Company. (See Turner, Edwin E., Jr., assignor.)
- Submarine Signal Company. (See Williams, Robert L., assignor.)
- Submarine Signal Corporation. (See Fessenden, Reginald A., assignor.)
- Submersible Motorpump Company. (See Coberly, Clarence J., assignor.)
- Suchter, Anton, Milwaukee, Wis. Hose clamp. 1,956,107; Apr. 24.
- Suckow, Fred G., Bowmansville, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,952,479; Mar. 27.
- Suckow, Fred G., Depew, assignor to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,953,031; Mar. 27.
- Suckow, Frederick G., Bowmansville, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,947,316; Feb. 13.
- Suczek, Robert. (See Osterberg, Gotthard S., assignor.)
- Suczek, Robert, Grosse Pointe Park, Mich. Vehicle wheel suspension and springing. 1,970,823; Aug. 21.
- Sude, William. (See Kousin, H., and Sude.)
- Suekoff, Louis A., Wilmette, Ill. Spring assembly for upholstery. 1,951,850; Mar. 20.
- Suekoff, Louis A., Wilmette, assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Furniture seat construction. 1,953,276; Apr. 3.
- Suess, Max, New York, N. Y. Self-heating tool. 1,954,503; Apr. 10.
- Suess, Raymond P. (See Welch, J. W., and Suess.)
- Suganuma, Kumazo, and Kan-ichiro Goto, Tobe Machi, Naka-Ku, Yokohama, Japan. Method of manufacturing acetyl ester compounds. 1,968,179; July 31.
- Sugden, Gilbert T., Lockport, N. Y. Windshield heating attachment. 1,959,069; May 15.
- Sugden, Walter J. (See Drysdale, William D., assignor.)
- Suggs, Arlie E. (See Livingston, Andrew F., assignor.)
- Suggs, Lee G., Seattle, Wash. Fire extinguisher. 1,942,906; Jan. 9.
- Suggs, Thomas F. (See Whitener, E. K., and Suggs.)
- Suhr, Frederic J., New York, N. Y., assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Recording instrument. Des. 93,855; Nov. 13.
- Suida, Hermann, Vienna, Austria, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of aromatic hydrocarbons containing unsaturated side chains. 1,985,844; Dec. 25.
- Suiter, Clyde C., assignor to Tray Service Company, Dallas, Tex. Vertically slotted straw dispenser. 1,942,846; Jan. 9.
- Suiter, Jay A., assignor to R. B. Griffin, Washington, D. C. Gear shift lever horn button system. 1,985,808; Dec. 25.
- Suits, Chauncey G. (See Chambers, D. E., and Suits.)
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Alternating current control apparatus. 1,946,297; Feb. 6.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Variable pulsation apparatus. 1,952,186; Mar. 27.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Apparatus for producing pulsations in an alternating current circuit. 1,952,636; Mar. 27.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Producing pulsations in an alternating-current circuit. 1,952,637; Mar. 27.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Control apparatus for alternating current circuits. 1,968,576; July 31.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Electrical control system. 1,969,587; Aug. 7.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,972,696; Sept. 4.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Electrical system providing sequence operation. 1,974,318; Sept. 18.
- Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Light flashing apparatus. 1,982,361; Nov. 27.
- Sukohl, Heinrich, Berlin-Waidmannslust, Germany. Propeller and manufacturing the same. 1,984,044; Dec. 11.
- Sukumlyn, Thomas W., et al. (See O'Keefe, C. P., and Mallette, assignors.)
- Sullivan, Edward D., and J. R. Abbott, Klamath Falls, Oreg. Tongue actuated brake construction. 1,950,274; Mar. 6.
- Sullivan, Ferdinand W., et al. (See Dunagin, William A., assignor.)
- Sullivan, Frank O. (See Fleischmann, J. A., Sullivan, Walton W., and F. O.)
- Sullivan, Frederick W., Jr., and V. Voorhees, assignors to Standard Oil Company, Whiting, Ind. Lubricating oils. 1,955,260; Apr. 17.
- Sullivan, Harry H., Rochester, N. Y. Printing machine for sensitized material. 1,951,952; Mar. 20.
- Sullivan, J., and Sons Manufacturing Company. (See Bux, Julius R., assignor.)
- Sullivan, J., & Sons Manufacturing Company, et al. (See Simpson, J. H., Jr., and Merrill, assignors.)
- Sullivan, James E., assignor to The Sullivan Printing Works Company, Cincinnati, Ohio. Sheet dividing and compiling machinery. 1,967,545; July 24.
- Sullivan, James J., Jr., et al. (See McDevitt, Henry J., assignor.)
- Sullivan, Jeremiah J., Nashville, Tenn. Car truck. 1,952,295; Mar. 27.
- Sullivan, John D. (See Williams, C. E., and Sullivan.)
- Sullivan Machinery Company. (See Allen, Morris C., assignor.)
- Sullivan Machinery Company. (See Blom, Hjalmar T., assignor.)
- Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

- Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
- Sullivan Machinery Company. (See Huffman, Mervin C., assignor.)
- Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
- Sullivan Machinery Company. (See Osgood, Robert C., assignor.)
- Sullivan Machinery Company. (See Pankratz, Harold G., assignor.)
- Sullivan Machinery Company. (See Sanford, John W., assignor.)
- Sullivan Machinery Company. (See Whinnen, Eugene, assignor.)
- Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
- Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
- Sullivan, Maurice P., Brooklyn, N. Y. Insulation framework. 1,984,848; Dec. 18.
- Sullivan, Michael H., Poughkeepsie, N. Y. Ball bearing spacer. 1,974,127; Sept. 18.
- Sullivan, Peter B., Randolph, Mass. Tread member for shoes. 1,970,254; Aug. 14.
- Sullivan Printing Works Company, The. (See Sullivan, James E., assignor.)
- Sullivan, Ralph E., Los Angeles, Calif. Ventilating device for automobile doors. 1,960,601; May 29.
- Sullivan, Raymond H., assignor to North East Appliance Corporation, Rochester, N. Y. Generating and battery charging system. 1,968,971; Aug. 7.
- Sullivan, Walton W. (See Fleischman, J. A., Sullivan, Walton W. and F. O.)
- Sullivan, Warren L., assignor to Paragon-Revolute Corporation, Rochester, N. Y. Making prints. 1,958,727; May 15.
- Sullivan, William B., assignor to Michiana Products Corporation, Michigan City, Ind. Combined air cleaner and muffler. 1,953,785; Apr. 3.
- Sullivan, William B., assignor to Michiana Products Corporation, Michigan City, Ind. Air cleaner. 1,953,786; Apr. 3.
- Sulphide Corporation. (See Brown, Raymond G., assignor.)
- Sulphide Corporation. (See Levy, Stanley I., assignor.)
- Sulphide Corporation. (See Wescott, Ernest W., assignor.)
- Sulprizio, Deuta, San Leandro, Calif. Piston. 1,982,330; Nov. 27.
- Sulzer & Company, Inc. (See Sulzer, Herman W., assignor.)
- Sulzer Frères Société Anonyme. (See Atteslander, Edouard, assignor.)
- Sulzer Frères Société Anonyme. (See Buri, Alfred, assignor.)
- Sulzer Frères Societe Anonyme. (See Egloff, Hans C., assignor.)
- Sulzer Frères Société Anonyme. (See Hefti, Wilhelm, assignor.)
- Sulzer Frères Société Anonyme. (See Kägi, Emil, assignor.)
- Sulzer Freres Societe Anonyme. (See Laubender, Ludwig, assignor.)
- Sulzer Frères Societe Anonyme. (See Lavanchy, Jean, assignor.)
- Sulzer Frères Société Anonyme. (See Schaer, Charles, assignor.)
- Sulzer Freres Societe Anonyme. (See Simmen, Oscar, assignor.)
- Sulzer Freres Societe Anonyme. (See Thomann, Robert, assignor.)
- Sulzer Frères, Société Anonyme. (See Wälti, Heinrich, assignor.)
- Sulzer, Herbert R., Lower Gwynedd, Pa. Lamp bracket. Des. 91,573; Feb. 20.
- Sulzer, Herman W., Philadelphia, Pa., assignor to Sulzer & Company, Inc. Lighting unit. 1,955,985; Apr. 24.
- Sulzer, Lucien, Chicago, Ill. Combined fireplace and transparent door. Des. 91,741; Mar. 13.
- Sulzer, Lucien, Chicago, Ill. Fluid fuel burning fireplace. Des. 92,502; June 12.
- Sumenius, Carl H., Brooklyn, N. Y. Self-binding wire clamp. 1,984,241; Dec. 11.
- Summerbell Truss Co. (See Cates, V. K., Congreve, Pedersen, and Seaver, assignors.)
- Summergrade, Harry O., New York, N. Y. Comfortable or similar article. Des. 92,439; June 5.
- Summerbell, William J., Los Angeles, Calif. Cloth holder. 1,971,589; Aug. 28.
- Summerlee, Joseph A., and D. P. Rowland, assignors to Burroughs Adding Machine Company, Detroit, Mich. Chair. 1,977,702; Oct. 23.
- Summers, Bertrand S., Detroit, Mich., assignor to Michigan Steel Casting Company, Alloy. 1,964,702; June 26.
- Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Vibration damper. 1,948,247; Feb. 20.
- Summers, George, Harrow Weald, Harrow, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube boiler. 1,983,886; Dec. 11.
- Summers, James F., Snyder, N. Y. Calculating device. 1,959,990; May 22.
- Summers, Llewelyn L. B., Whitestone, N. Y., assignor to Radio Corporation of America. Regulating system. 1,942,457; Jan. 9.
- Summers, Louis D., et al. (See Cole, Hugh L., assignor.)
- Summers, Myron C., Warren, Ohio. Making butt-welded tubes. 1,978,235; Oct. 23.
- Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,944,617; Jan. 23.
- Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Shelf clamp. 1,967,455; July 24.
- Summey, David L., deceased, Waterbury, Conn., The Colonial Trust Company and Richard P. W. Summey, executors. Coil sticking machine. 1,975,756; Oct. 2.
- Summey, Richard P. W., executor, et al. (See Summey, David L., assignor.)
- Summit Mold & Machine Company, The. (See Brundage, James W., assignor.)
- Sumner, George V., Columbia, S. C. Pneumatic picker motion for looms. 1,945,238; Jan. 30.
- Sumner, Henry C., Wyberton, and F. J. Taylor and F. Langley, Kirton, England. Packing apparatus. 1,981,881; Nov. 27.
- Sumner, Joanna-May, Dayton, Ohio. Slip and making same. 1,941,959; Jan. 2.
- Sumner, Oris C., Oilmont, assignor of one-half to D. and E. Himle, Kevin, Mont. Reserve fuel and accessory trunk. 1,966,022; July 10.
- Sumner, Roscoe R., Denver, Colo. Lawn sprinkler. 1,964,225; June 26.
- Sumpter, John E., Minneapolis, Minn., assignor to Delta-Star Electric Company, Chicago, Ill. Cable contactor and support. 1,945,575; Feb. 6.
- Sumpter, Mayfield C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,971,167; Aug. 21.
- Sun Oil Company. (See Alleman, Gellert, assignor.)
- Sun Oil Company. (See Alleman, G., and Musante, assignors.)
- Sun Oil Company. (See McKee, James, assignor.)
- Sun Oil Company. (See Pack, Robert W., assignor.)
- Sun Oil Company. (See Paw, Arthur E., Jr., assignor.)
- Sun Oil Company. (See Paw, A. E., Jr., and Angstadt, assignors.)
- Sun Oil Company. (See Paw, A. E., Jr., and Tarbox, assignors.)
- Sun Rubber Company, The. (See Lower, Melvin S., assignor.)
- Sunbeam Electric Manufacturing Company. (See Richard, William E., assignor.)
- Sunbury, Herbert E., Wyncote, assignor to Allbestos Corporation, Philadelphia, Pa. Lining plugging machine. 1,960,881; May 29.
- Sunday, James J., Detroit, Mich. Automobile heater. 1,970,824; Aug. 21.
- Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Fastener forming and assembling machine and method of securing fastener elements to tape. 1,947,956; Feb. 20.
- Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Slide fastener. 1,949,889; Mar. 6.
- Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,959,318; May 16.
- Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,967,137; July 17.
- Sundback, Gideon, Meadville, Pa., and G. Dahlin, St. Catharines, Ontario, Canada, assignors to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,966,468; July 17.
- Sundberg, Gustave L., assignor to Muskegon Piston Ring Co., Muskegon, Mich. Piston ring slotting fixture. 1,957,507; May 8.
- Sundblad, Oskar E. B., and B. A. Grahm, Stockholm, Sweden, assignors, by mesne assignments, to Electroflux Serval Corporation, New York, N. Y. Fluid fuel burner. 1,980,449; Nov. 13.
- Sundblad, Uno L., Hamden, Conn. Motor vehicle clock. 1,969,241; Aug. 7.
- Sünder, August, Berlin-Hohenschonhausen, assignor to Willy Salge & Co., Technische Gesellschaft m. b. H., Berlin, Germany. Control of consecutively arranged inlet and exhaust valves in piston steam engines. 1,964,226; June 26.
- Sünder, August, Berlin-Hohenschonhausen, assignor to Willy Salge & Co., Technische Gesellschaft m. b. H., Berlin, Germany. Eccentric reversing device for multiple cylinder engines. 1,977,924; Oct. 23.
- Sunderland, Charles C., New Brunswick, assignor to John A. Roebling's Sons Company, Trenton, N. J. Reel apparatus and loading reels. 1,945,095; Jan. 30.
- Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Cable wrapping machine. 1,977,744; Oct. 23.
- Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope and making the same. 1,983,249; Dec. 4.
- Sundermann, H. Henry. (See Klausmeyer, David C.)
- Sundermann, H. Henry, executor. (See Klausmeyer, David C.)
- Sundermann, H. Henry, executor. (See Klausmeyer, D. C., and Rickwood.)
- Sundermann, H. Henry, executor. (See Klausmeyer, D. C., and Sosa.)
- Sundstrand Corporation. (See Sundstrand, Oscar J., assignor.)

- Sundstrand, Gustaf D., assignor, by mesne assignments, to Mattison Machine Works, Rockford, Ill. Machine for truing brake drums. 1,947,234; Feb. 13.
- Sundstrand Machine Tool Co. (See Dumser, Leo A., assignor.)
- Sundstrand Machine Tool Co. (See Dumser, L. A., and Jackson, assignors.)
- Sundstrand Machine Tool Co. (See Dumser, L. A., and Schroeder, assignors.)
- Sundstrand Machine Tool Co. (See Schroeder, Clement J., assignor.)
- Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Plural-counter computing machine. 1,946,505; Feb. 13.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Calculating and printing machine. 1,905,611; July 10.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Notation-printing device. 1,975,807; Oct. 9.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Computing and printing machine. 1,975,808; Oct. 9.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Calculating machine. 1,979,295; Nov. 6.
- Sundstrand, Oscar J., Bridgeport, Conn., assignor to Sundstrand Corporation, Wilmington, Del. Automatic counter control. 1,946,823; Feb. 13.
- Sundstrom, Carl, assignor to The Solvay Process Company, Syracuse, N. Y. Process and apparatus for the manufacture of hydrated calcium chloride. 1,951,886; Mar. 20.
- Sundstrom, Clarence M., Montpelier, Ind. Packless valve. 1,983,106; Dec. 4.
- Sundt, Edward V., Chicago, Ill. Low-capacity fuse construction. 1,946,553; Feb. 13.
- Sunlight Electrical Company. (See Kingston, Frederick S., assignor.)
- Sunnen, Joseph, St. Louis, Mo. Honing device for cylinders. 1,982,836; Dec. 4.
- Sunnen, Joseph, Kirkwood, Mo. Engine cylinder burnishing device. 1,944,955; Jan. 30.
- Sunnen, Joseph, Kirkwood, Mo. Grinding machine abrasive element. 1,946,041; Feb. 6.
- Sunnen, Joseph, Kirkwood, Mo. Valve lifter. 1,948,248; Feb. 20.
- Sunnen, Joseph, Kirkwood, Mo. Split lock replacer. 1,982,837; Dec. 4.
- Sunnen, Joseph, Kirkwood, Mo. Combined valve lifter and spring compressor. 1,982,838; Dec. 4.
- Sunset Packing Corporation. (See Polk, Isaac H., assignor.)
- Sunshine Peelers, Inc. (See China, Douglas E., assignor.)
- Superbeton Société Anonyme. (See Walter, Georges, assignor.)
- Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
- Superheater Company, The. (See Armacost, Wilbur H., assignor.)
- Superheater Company, The. (See Barnes, John A., assignor.)
- Superheater Company, The. (See Birmingham, Thomas F., assignor.)
- Superheater Company, The. (See Blome, August B., assignor.)
- Superheater Company, The. (See Brandt, Carl A., assignor.)
- Superheater Company, The. (See Engler, Otto, assignor.)
- Superheater Company, The. (See English, William E., assignor.)
- Superheater Company, The. (See Gordon, Charles W., assignor.)
- Superheater Company, The. (See Gordon, C. W., and Birmingham, assignors.)
- Superheater Company, The. (See Griffin, Joseph F., assignor.)
- Superheater Company, The. (See Hard, Malcolm, assignor.)
- Superheater Company, The. (See Hartmann, Otto H., assignor.)
- Superheater Company, The. (See Henkel, Erich, assignor.)
- Superheater Company, The. (See Huet, André, assignor.)
- Superheater Company, The. (See Magis, A., and Huet, assignors.)
- Superheater Company, The. (See Makely, Ralph G., assignor.)
- Superheater Company, The. (See Ostermann, Rudolf M., assignor.)
- Superheater Company, The. (See Ostermann, R. M., and Sheridan, assignors.)
- Superheater Company, The. (See Rawson, Emanuel, assignor.)
- Superheater Company, The. (See Rudorff, Dagobert W., assignor.)
- Superheater Company, The. (See Smith, Frank W., assignor.)
- Superheater Company, The. (See Thompson, Robert P., assignor.)
- Superheater Company, The. (See Wang, Raymond H., assignor.)
- Superheater Company, The. (See Williams, Arthur, assignor.)
- Superheater Company, The. (See Wood, John E., assignor.)
- Superior Body Company. (See Paul, Sydney, assignor.)
- Superior Cement Corporation. (See Sexton, August H., assignor.)
- Superior Electric Products Corporation. (See Aug, Alphons P., assignor.)
- Superior Engine Company. (See Nolte, George F., assignor.)
- Superior Iron Works Company. (See Johnson, Almon A., assignor.)
- Superior Motor Company. (See Isele, Thomas A., assignor.)
- Superior Paper Products Company. (See Bohnke, Herman C., assignor.)
- Superior Paper Products Company. (See Lauth, E. J., and Bohnke, assignors.)
- Superior Rig and Bit Company. (See Seifert, William V., assignor.)
- Superior Screw and Bolt Manufacturing Company, The. (See Simkins, H. D., and De Loe, assignors.)
- Superior Steel Corporation. (See Pryde, David, assignor.)
- Superior Steel Door and Trim Co. Inc. (See Connell, A. J., and Cohen, assignors.)
- Superior Switchboard & Devices Company, The. (See Grace, Richard W., assignor.)
- Superior Tool and Die Company. (See Janiszewski, Kasimir, assignor.)
- Superior Tool & Manufacturing Co. (See Corcoran, John C., assignor.)
- Superior Trolley Slide & Equipment Company. (See Wilkins, Kenneth M., assignor.)
- Superior Zinc Corporation. (See French, Richard W., assignor.)
- Super Maid Cook-Ware Corporation. (See Cunningham, Guy L., assignor.)
- Super-Marine Systems, Inc. (See Harper, William, jr., assignor.)
- Super Mold Corporation. (See Woock, Herbert J., assignor.)
- Super Mold Corporation. (See Woock, Walter R. J., assignor.)
- Super Radiator Corp. (See Bredeson, Albert O., assignor.)
- Superstat Company. (See Smith, Hazor J., assignor.)
- Supper, Walter, Esslingen-on-the-Necker, Germany. Impact recorder. 1,975,183; Oct. 2.
- Suppes, Jacob, La Crosse, Kans. Milk bottle holder. 1,978,033; Oct. 23.
- Suppiger, Gerhart S., and C. Alexander, assignors to Scientific Tablet Company, Bellville, Ill. Dispensing apparatus for dispensing tablets to heaping full containers. 1,945,937; Jan. 30.
- Supplee, George C., and G. E. Flanagan, Bainbridge, assignors to The Dry Milk Company, Inc., New York, N. Y. Producing beta lactose. 1,954,602; Apr. 10.
- Supreme Instruments Corporation. (See Fausett, Floyd, assignor.)
- Supreme Instruments Corporation. (See Williams, Jewell R., assignor.)
- Surdy, Charles J. (See Surdykowski, Charles J.)
- Surdy, Charles J. (See Turner, E. A., and Surdykowski.)
- Surdykowski, Charles J., now by judicial change of name C. J. Surdy, assignor to The Standard Stoker Company, Incorporated, New York, N. Y. Stoker mechanism. 1,948,686; Feb. 27.
- Surdykowski, Charles J., Tuckahoe, N. Y., now by judicial change of name C. J. Surdy, assignor to Standard Stoker Company, Inc. Locomotive stoker. 1,952,691; Mar. 27.
- Surdykowski, Charles J., Tuckahoe, N. Y.; said Surdykowski now by judicial change of name Charles J. Surdy, assignor to Standard Stoker Company. Stoker mechanism. 1,957,680; May 8.
- Surdy, Charles J., Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated. Firedoor construction for stokers. 1,972,834; Sept. 4.
- Surdykowski, Charles J.; said Surdykowski now by judicial change of name C. J. Surdy, Tuckahoe, N. Y., assignor to Standard Stoker Company, Inc. Locomotive tender. 1,974,293; Sept. 18.
- Surdykowski, Charles J., Tuckahoe, N. Y.; said Surdykowski, now by judicial change of name Charles J. Surdy, assignor to Standard Stoker Company, Inc. Stoker. 1,978,063; Oct. 23.
- Surefit Products Company. (See Krasnov, Samuel, assignor.)
- Surface Combustion Corporation. (See Beam, V. O., and Branche, assignors.)
- Surface Combustion Corporation. (See Charlesworth, Samuel, assignor.)
- Surface Combustion Corporation. (See Cone, Carroll, assignor.)
- Surface Combustion Corporation. (See De Coriolis, E. G., and Barber, assignors.)
- Surface Combustion Corporation. (See McDermott, George R., assignor.)
- Surface Combustion Corporation. (See Moser, J. R., and De Coriolis, assignors.)
- Surface Combustion Corporation. (See Munford, Theodore W., assignor.)
- Surface Combustion Corporation. (See Wilson, Lee, assignor.)
- Surface Combustion Corporation. (See Winder, F. J., and Lehrer, assignors.)

- Surges, Nicholas J., Seattle, Wash. Gas burner device. 1,984,708; Dec. 18.
- Surgical Dressing, Inc. (See Rosenblatt, Samuel, assignor.)
- Surjaninoff, Michael, Stammersdorf, near Vienna, Austria, assignor to Sigmund Pumpen Bruder Sigmund, Olmutz-Luttein, Czechoslovakia. Liquid-tight stator winding for submersible electric motors. 1,978,612; Oct. 30.
- Sussberg, Victor L., New York, N. Y. Slip. 1,981,760; Nov. 20.
- Süssenguth, Otto. (See Elbel, E., and Süssenguth.)
- Sussman, Arthur, New York, N. Y. Pressing implement. 1,942,579; Jan. 9.
- Susu Nut Company, The. (See Sawin, Lester M., assignor.)
- Susztak, Lajos. (See Auer, L., and Susztak.)
- Sutcliffe, Raymond, Cornwall, assignor to Firth Carpet Company, Firthcliffe, N. Y. Pile wire inserting means for looms. 1,981,478; Nov. 20.
- Sutcliffe, Willis J., Waterloo, Iowa. Target trap. 1,971,056; Aug. 21.
- Sutcliffe, Willis J., Waterloo, Iowa. Target trap. 1,979,502; Nov. 6.
- Suter, Otto, Seattle, Wash. Dental-instrument grinding device. 1,950,824; Mar. 13.
- Sutherland, Angus, Vancouver, British Columbia, Canada. Milking apparatus and process. 1,942,882; Jan. 9.
- Sutherland, Eugene B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Spraying liquids. 1,978,034; Oct. 23.
- Sutherland, Lionel M. (See Farley, F. S., and Brown, assignors.)
- Sutherland, Louis W., assignor to Sutherland Paper Company, Kalamazoo, Mich. Box. 1,941,514; Jan. 2.
- Sutherland, Louis W., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 1,946,554; Feb. 13.
- Sutherland Paper Company. (See Allen, William H., assignor.)
- Sutherland Paper Company. (See McAleer, Charles F., assignor.)
- Sutherland Paper Company. (See Rutledge, Robert E., assignor.)
- Sutherland Paper Company. (See Sutherland, Louis W., assignor.)
- Sutherland, Perry G., assignor to Keystone Steel & Wire Company, Peoria, Ill. Wire drawing die. 1,954,961; Apr. 17.
- Sutherland, Wallace B., Suffern, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe mounting. 1,965,162; July 3.
- Sutherland, William M., et al. (See Macdonald, Walter R., assignor.)
- Sutherland, Lee, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Getter in vacuum tubes. 1,966,226; July 10.
- Sutinen, John, Duluth, Minn. Tie plate and rail holder. 1,962,533; June 12.
- Sutter, Erwin L., St. Paul, assignor to K. J. Flakne, Minneapolis, Minn. Manifold connection for automobile heaters. 1,973,514; Sept. 11.
- Sutter, Erwin L., St. Paul, assignor to K. J. Flakne, Minneapolis, Minn. Heater for automobiles. 1,977,809; Oct. 23.
- Sutter, Roman, Grantwood, N. J. Lace cape or similar article. Des. 92,155; May 1.
- Sutterlin, Richard H., Seattle, Wash. Straddle dial micrometer. 1,971,628; Aug. 28.
- Sutton, Albert D., San Antonio, Tex. Guard for loose leaf binders. 1,970,516; Aug. 14.
- Sutton, Cecile M., Rochester, N. Y. Ear protector. Des. 91,794; Mar. 20.
- Sutton Engineering Company. (See Guthrie, James M., assignor.)
- Sutton, Gerald J., Westminster, assignor to P. Nuckey and R. J. Scott, London, England. Truing device for abrasive wheels. 1,960,760; May 29.
- Sutton, Harry G., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Valve for clothes steaming and pressing apparatus. 1,942,987; Jan. 9.
- Sutton, Henry M., and W. L. and E. G. Steele, Dallas, Tex. Process and apparatus for the separation of particles composing a mass. 1,982,601; Nov. 27.
- Sutton, J. Leroy, Buffalo, and J. van Walshauser, Kenmore, N. Y. Faucet connection. Des. 93,306; Sept. 11.
- Sutton, J. Leroy, Buffalo, and J. Van Walshauser, Kenmore, assignors to Sev, Inc., Buffalo, N. Y. Faucet connection. 1,984,847; Dec. 11.
- Sutton, Michael S., Brooklyn, N. Y. Handkerchief fabric. 1,951,582; Mar. 20.
- Suydam, Henry, Huntington, N. Y. Take-up for brake cables. 1,957,367; May 1.
- Suzuki, Fujio. (See Fuwa, K., and Suzuki.)
- Svaicer, Joseph, Chicago, Ill. Safety gas burner and valve. 1,953,661; Apr. 3.
- Svalland, Martin, Brooklyn, N. Y. Window screen. 1,960,322; May 29.
- Svanoe, Hans, Fairville, Pa., assignor to El. I. du Pont de Nemours & Company, Wilmington, Del. Dewaxing petroleum oil. 1,981,758. Nov. 20.
- Svedberg, Hilding A. (See Bergman, T. V., and Svedberg.)
- Svedlund, Axel, Orebro, Sweden. Preheating the air supply to a gas producer. 1,950,825; Mar. 13.
- Svensden, Robert T. (See Chandler, D. G., and Svensden.)
- Svensden, Svend, S. Chicago, Ill., assignor to Clay Reduction Company. Manufacture of precipitated silica. 1,959,747; May 22.
- Svensden, Svend S., Madison, Wis., assignor to Clay Production Company, Chicago, Ill. Production of precipitated silica. 1,959,748; May 22.
- Svensden, Svend S., Madison, Wis., assignor to Clay Reduction Company, Chicago, Ill. Production of precipitated silica. 1,959,749; May 22.
- Svenska Ackumulator Aktiebolaget Jungner. (See Gustafsson, Nils G. A., assignor.)
- Svenska Ackumulator Aktiebolaget Jungner. (See Rydberg, Gustav G. H., assignor.)
- Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
- Svenska Aktiebolaget Bromsregulator. (See Setterwall, Folke N. H., assignor.)
- Svenska Aktiebolaget Gasaccumulator. (See Dalén, Gustaf, assignor.)
- Svenska Aktiebolaget Gasaccumulator. (See Eskilson, Sven A., assignor.)
- Svenska Aktiebolaget Gasaccumulator. (See Eskilson, S. A., and Johanson, assignors.)
- Svenska Hammaraktiebolaget. (See Weibull, Ernst H. W., assignor.)
- Svenson, Ernest J., et al. (See Wahlmark, Gunnar A., assignor.)
- Svenson, Ernest J., Rockford, Ill. Variable displacement pump. 1,978,441; Oct. 30.
- Svenson, Ernest J., Rockford, Ill. Pumping mechanism. 1,978,480; Oct. 30.
- Svenson, Ernest J., Rockford, Ill. Hydraulic system. 1,985,748; Dec. 25.
- Svensson, Gustav W., Torsas, Sweden, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Stabilizing and spring controlling device. 1,963,533; June 19.
- Svensson, Sjöne, Hissmofors, Krokum, Sweden. Circulation process and device in sulphite cellulose digestion. 1,981,759; Nov. 20.
- Svensson, Sven, Wittenberge, near Potsdam, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Device for use in the manufacture of ornamental fabrics. 1,964,486; June 26.
- Svorcina, Michael, Chicago, Ill. Explosion or bleeder valve for blast furnaces. 1,944,770; Jan. 23.
- Swahnberg, Gunnar. (See Kinsbury, E. J., and Swahnberg.)
- Swain, Galen, Oklahoma City, Okla. Meter flag thrower. 1,961,869; June 5.
- Swain, Joseph G., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Wheel assembly. 1,948,320; Feb. 20.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Dual wheel and demountable rim. 1,956,428; Apr. 24.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Wheel and brake. 1,968,005; July 24.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Dual wheel and demountable rim. 1,985,749; Dec. 25.
- Swain, Raymond K., Kansas City, and R. C. Davis, Merriam, Kans. Liquid feeding mechanism. 1,942,908; Jan. 9.
- Swales, George P., W. T. B. Roberts, and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,979,420; Nov. 6.
- Swallen, Lloyd C. (See Bloomfield, G., Swallen, and Crawford.)
- Swallen, Lloyd C. (See Gabriel, C. L., and Swallen.)
- Swallen, Lloyd C. (See Knight, H., Swallen, and Banister.)
- Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of methyl amine from dimethyl ether. 1,946,245; Feb. 6.
- Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of acetone from acetaldehyde. 1,970,782; Aug. 21.
- Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of ketones. 1,978,824; Oct. 30.
- Swalley, William C., assignor to The Wellman Engineering Company, Cleveland, Ohio. Grab bucket. 1,941,515; Jan. 2.
- Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y. Matrix. 1,960,602; May 29.
- Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y. Airplane structure. 1,973,124; Sept. 11.
- Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y. Positively molded matrix. 1,973,548; Sept. 11.
- Swan, Ida A., Seattle, Wash. Water shield for the ears. 1,953,517; Apr. 3.
- Swan, John C., Marietta, Ohio. Apparatus for liquefying gases. 1,965,010; July 3.
- Swan, John C., Marietta, Ohio. Gasoline recovery apparatus. 1,965,011; July 3.
- Swan, Joseph H., 3d. (See Thomas, C. A., and Swan.)
- Swan, Joseph H., 3d., assignor to The Gardner-Richardson Company, Middletown, Ohio. Paper manufacture. 1,957,368; May 1.

- Swan, Joseph H., 3d., assignor to The Gardner-Richardson Company, Middletown, Ohio. Paper manufacture. 1,957,369; May 1.
- Swan, Joseph H., 3d., assignor to The Gardner-Richardson Company, Middletown, Ohio. Paper manufacture. 1,985,698; Dec. 25.
- Swan, Travers J., Detroit, assignor to Reynolds Spring Company, Jackson, Mich. Roof bow trim rail. 1,947,682; Feb. 20.
- Swangren, Edwin V., Maywood, Ill., assignor to J. P. Dowell, McKinney, Tex. Portable can sealing machine. 1,961,650; June 5.
- Swank, Rehl W. (See Fagan, C. D., and Swank.)
- Swank, Russell C. (See Althaus, W. E., and Swank.)
- Swann, Charles E., Glencoe, Ill. Cocktail shaker. Des. 93,693; Oct. 23.
- Swann Research, Incorporated. (See Booth, Charles F., assignor.)
- Swann Research, Incorporated. (See Gittings, Lewis D., assignor.)
- Swann Research Incorporated. (See Jenkins, Russell L., assignor.)
- Swann Research Inc. (See Jenkins, R. L., and Norris, assignors.)
- Swann Research Incorporated. (See Jenkins, R. L., and Schilb, assignors.)
- Swann Research Incorporated. (See Kilbourne, K. A., and Booth, assignors.)
- Swann Research Incorporated. (See Levine, M. M., and Krase, assignors.)
- Swann Research, Incorporated. (See Malowan, John E., assignor.)
- Swann Research, Incorporated. (See Masin, Jacob S., assignor.)
- Swann Research, Incorporated. (See Moose, Joe E., assignor.)
- Swann Research, Inc. (See Moose, J. E., and Pritchard, assignors.)
- Swann Research Incorporated. (See Moss, H. V., and Wheelock, assignors.)
- Swanson, Alfred I., Princeton, Ill. Wrench. 1,975,908; Oct. 9.
- Swanson, Arthur P., Maine Township, Cook County, Ill. Aquarium. Des. 93,365; Sept. 18.
- Swanson, Arthur P., Maine Township, Cook County, Ill. Aquarium. Des. 94,058; Dec. 11.
- Swanson, Bror J., assignor, by mesne assignments, to Landstrom Furniture Corporation, Rockford, Ill. Mirror support. 1,951,583; Mar. 20.
- Swanson, Earl R., Chicago, Ill. Railway car. 1,956,802; Apr. 24.
- Swanson, Edwin C. (See Abramson, J. H., and Swanson.)
- Swanson, Edwin C., Rockford, Ill. Micrometer gauge. 1,943,638; Jan. 16.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,941,724; Jan. 2.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Supply holder. 1,955,691; Apr. 17.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,955,778; Apr. 24.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Device for detecting incorrect ply of yarn. 1,960,462; May 29.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,966,568; July 17.
- Swanson, Ernest R., and W. Marcroft, Cranston, R. I., assignors to Universal Winding Company, Boston, Mass. Winding machine. 1,946,506; Feb. 13.
- Swanson, Herman, Mullan, Idaho. Pack saddle. 1,982,839; Dec. 4.
- Swanson, Hilbert E. (See Seyferth, O. A., and Swanson.)
- Swanson, Hilbert E., assignor to Austin Machinery Corporation, Muskegon, Mich. Bucket cleaner. 1,956,734; May 1.
- Swanson, Kenneth P., East Orange, and C. Eisler, South Orange, assignors to Eisler Engineering Co., Newark, N. J. Operating mechanism for machines. 1,972,719; Sept. 4.
- Swanson, Nels H., Chicago, Ill. Coin holder. 1,972,365; Sept. 4.
- Swanson, Olof, Chicago, Ill. Lubricating device. 1,942,847; Jan. 9.
- Swanson, Olof, Chicago, Ill. Water heating apparatus. 1,956,735; May 1.
- Swanson, Oscar W., Ottumwa, Iowa. Fowl-sticking machine. 1,965,612; July 10.
- Swanson, Oscar A., Erie, Pa. Grinding machine. 1,974,696; Sept. 25.
- Swanson, Otto E. (See Roeder, C. E., and Swanson.)
- Swanson, Paul G., and E. H. Ericsson, assignors to Elco Tool & Screw Corporation, Rockford, Ill. Lubricated screw. 1,976,305; Oct. 9.
- Swanson, Peter, and R. Baxtrum, Ely, Minn. Fishing tackle. 1,974,381; Sept. 18.
- Swanson, Raymond E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Deep well turbine pump head and lubricating system therefor. 1,945,833; Feb. 6.
- Swanson, Raymond E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Deep-well turbine pump. 1,959,223; May 15.
- Swanson, Raymond E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Deep-well turbine pump. 1,976,200; Oct. 9.
- Swanson, Starley S., and L. B. Neighbour, assignors to Deere & Company, Moline, Ill. Manure spreader. 1,945,125; Jan. 30.
- Swanson, Starley S., and L. B. Neighbour, assignors to Deere & Company, Moline, Ill. Manure spreader. 1,963,478; June 19.
- Swanson & Thompson. (See Thompson, Elmer B., assignor.)
- Sward, Cecil W., assignor to G. & W. Electric Specialty Co., Chicago, Ill. Pothead device. 1,943,247; Jan. 9.
- Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Glow discharge tube circuit. 1,977,254; Oct. 16.
- Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Parallel operated gas filled tube. 1,977,255; Oct. 16.
- Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Resetting circuits for gas filled tubes. 1,977,256; Oct. 16.
- Swartout, Donald G., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for electrical testing. 1,977,703; Oct. 23.
- Swartwood, Artie O., Fremont, Nebr. Staple clincher. 1,977,459; Oct. 16.
- Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 1,984,662; Dec. 18.
- Swartwout Company, The. (See Fraser, Howard S., assignor.)
- Swartwout Company, The. (See Mastenbrook, Henry J., assignor.)
- Swartwout Company, The. (See Swartwout, Denton K., jr., assignor.)
- Swartwout, Denton K., jr., assignor to The Swartwout Company, Cleveland, Ohio. Feed water regulation. 1,943,248; Jan. 9.
- Swartwout, Everett W., White Plains, N. Y. Flexible shaft coupling. 1,957,300; May 1.
- Swartwout, Everett W., White Plains, N. Y. Vehicle signal. 1,973,299; Sept. 11.
- Swartwout, Nelson R., Chicago, Ill. Merchandise display and advertisement construction. 1,961,463; June 5.
- Swartz, Guy E., Detroit, Mich. Moving-locking means. 1,976,306; Oct. 9.
- Swartz, Guy E., Detroit, Mich. Driving-locking-releasing means. 1,982,886; Dec. 4.
- Swartz, Joseph G., Kansas City, Mo. Glove drying device. 1,969,953; Aug. 14.
- Swartz, Torrence A., and W. P. Uhler, Tottenville, N. Y., assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Electrical resistance unit. 1,972,411; Sept. 4.
- Swartz, Ulysses S. G., Pennington, assignor to John A. Roebling's Sons Company, Trenton, N. J. Adjustable die. 1,984,775; Dec. 18.
- Swartzbaugh Manufacturing Company, The. (See Barnes, William A., assignor.)
- Swayne, Robinson & Company. (See Jahraus, Harold A., assignor.)
- Swayzee, Jesse E., Columbia, La. Gasoline line lock for automobiles. 1,942,129; Jan. 2.
- Swazey, George A., Milo, Maine. Knife and corer. 1,960,651; May 29.
- Sweany, Donald I. (See Smith, C. O., and Sweany.)
- Swebilius, Carl G., New Haven, Conn. Firearm. 1,984,443; Dec. 18.
- Swedish American Prospecting Corporation. (See Zuschlag, Theodor, assignor.)
- Swedish Iron & Steel Corporation. (See Kyte, John H., assignor.)
- Swedish Iron & Steel Corporation. (See Weiller, Paul G., assignor.)
- Swedler, Ignatius, Cicero, and A. L. Greenlaw, Chicago, Ill., assignors to Flexo Supply Company, St. Louis, Mo. Pipe coupling. 1,969,581; Aug. 7.
- Swedman, Enoch, and W. A. Ellsworth, assignors to Seeger Refrigerator Company, St. Paul, Minn. Gasket and attachment. 1,967,456; July 24.
- Sweek, Nora K. (See English, Vernal E., assignor.)
- Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C. Refrigerator car door and the like. 1,944,618; Jan. 23.
- Sweeney Bros. (See Sweeney, James T., assignor.)
- Sweeney, Dennis, Farmingdale, N. Y. Producing spotted effects on novelties, etc. 1,979,084; Oct. 30.
- Sweeney, Eugene W., Brooklyn, assignor to Arkell Safety Bag Company, New York, N. Y. Multi-ply bag and producing the same. 1,958,597; May 15.
- Sweeney, James T., assignor to Sweeney Bros., Scranton, Pa. Paving material and making same. 1,961,678; June 5.
- Sweeney, John W., assignor to The Narrow Fabric Company, West Reading, Pa. Garment clasp. Des. 92,778; July 10.
- Sweeney, Joseph R., et al. (See Roberts, Edmund W., assignor.)
- Sweeney, Orland R. (See Bludworth, J. E., Sweeney, and

- Sweeney, Orland R., assignor to Iowa State College of Agriculture and Mechanical Arts, Ames, Iowa. Producing synthetic lumber that is not attacked by molds. 1,946,952; Feb. 13.
- Sweeney, Orland R., assignor to Iowa State College of Agriculture and Mechanical Arts, Ames, Iowa. Producing synthetic lumber that is not attacked by molds. 1,946,953; Feb. 13.
- Sweeney, Orland R., Ames, and C. E. Hartford, Dubuque, Iowa. Process relating to the production of a material from vegetable matter of high pentosan containing pento-cellulose materials. 1,941,817; Jan. 2.
- Sweeney, William H., Washington, D. C. Television apparatus. 1,979,296; Nov. 6.
- Sweet, Albert L., and C. L. Field, Yakima, Wash. All way cutting machine. 1,955,350; Apr. 17.
- Sweet, Andrew T., Houghton, and J. D. MacCarthy, assignors to General Manganese Corporation, Detroit, Mich. Extracting manganese from ore. 1,962,160; June 12.
- Sweet, Andrew T., Houghton, and J. D. MacCarthy, assignors to General Manganese Corporation, Detroit, Mich. Separating metals. 1,964,747; July 3.
- Sweet, Andrew T., Houghton, and J. D. MacCarthy, assignors to General Manganese Corporation, Detroit, Mich. Extracting metals from ores. 1,969,769; Aug. 14.
- Sweet, Cecil H., and W. C. Erwin, Brea, Calif. Stop cock. 1,966,807; July 17.
- Sweet, Charles A., Oakland, Calif. Dental appliance. 1,959,508; May 22.
- Sweet, Clifford I., assignor to The Delphos Bending Company, Delphos, Ohio. Glider. Des. 93,427; Sept. 25.
- Sweet, Clifford I., assignor to The Delphos Bending Company, Delphos, Ohio. Baby rocker. Des. 94,004; Dec. 4.
- Sweet, Clifford I., assignor to The Delphos Bending Company, Delphos, Ohio. Merry-go-round. Des. 95,533; Oct. 9.
- Sweet, Frederick D. (See Foster, W. D., and Sweet.)
- Sweet, Frederick D., assignor, by mesne assignments, to Kinatome Patents Corporation, New York, N. Y. Film handling apparatus and footage recording device therefor. 1,944,038; Jan. 16.
- Sweet, Frederick D., New York, N. Y., assignor to Kinatome Patents Corporation. Apparatus for feeding material. 1,944,039; Jan. 16.
- Sweet, George H., Green Bay, Wis. Left foot feed. 1,941,516; Jan. 2.
- Sweet, Harold E. (See Feid, Charles, assignor.)
- Sweet, Harry, assignor to Brown Company, Berlin, N. H. Metallic fiber pipe fitting and making same. 1,969,588; Aug. 7.
- Sweet, Henry H., Atlanta, Ga. Gas burner. 1,978,177; Oct. 23.
- Sweetland, Ernest J., Piedmont, Calif. Lawn sprinkling means. 1,953,518; Apr. 3.
- Sweetland, Ernest J., Piedmont, Calif. Lawn sprinkling means and system. 1,958,385; May 8.
- Sweetland, Ernest J., Piedmont, Calif. Dispensing apparatus. 1,959,695; May 22.
- Sweetland, Ernest J., Piedmont, Calif. Lawn sprinkling means. 1,962,534; June 12.
- Sweetland, Ernest J., Piedmont, Calif. Apparatus for removing oil from the crank cases of engines. 1,962,623; June 12.
- Sweetland, Ernest J., Piedmont, Calif. Adjustable lawn sprinkling means. 1,982,840; Dec. 4.
- Sweets Laboratories, Inc. (See Canning, Franklin V., assignor.)
- Sweets Laboratories Inc. (See Meigs, Joseph V., assignor.)
- Sweney, Carlton H. (See Morrison, O. L., and Sweney.)
- Swenington, Louis, Cleveland, Ohio. Variable speed transmission. 1,977,866; Oct. 23.
- Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Torque stabilizer spring. 1,941,763; Jan. 2.
- Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Engine mounting. 1,943,849; Jan. 16.
- Swenson, Arthur W., Rockford, Ill. Amusement device. 1,974,199; Sept. 18.
- Swenson, Carl E., assignor to Mechanics Universal Joint Company, Rockford, Ill. Universal joint. 1,941,764; Jan. 2.
- Swenson, Carl E., assignor to Mechanics Universal Joint Company, Rockford, Ill. Universal joint. 1,949,500; Mar. 6.
- Swenson, Carl E., assignor to Mechanics Universal Joint Company, Rockford, Ill. Universal joint. 1,950,579; Mar. 13.
- Swenson, Carl E., Rockford, Ill. Making universal joints. 1,985,531; Dec. 25.
- Swenson, Carl E., Rockford, Ill. Universal joint. 1,985,669; Dec. 25.
- Swenson, George E. (See Munroe, T. B., and Swenson.)
- Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Dipped candle. 1,968,269; July 31.
- Swenson, Roy L., Washington, D. C., dedicated to the free use of the public. Increment measuring instrument. 1,981,713; Nov. 20.
- Swenson, Samuel R. (See Carlson, G. E., Larson, and Swenson.)
- Swenson, Samuel R., Chicago, Ill. Marking machine. 1,974,521; Sept. 25.
- Swenson, Samuel R., Chicago, Ill. Stamping machine. 1,980,014; Nov. 6.
- Swent, John J. (See Engholm, B. A., and Swent.)
- Swerdlhoff, Max M., Buffalo, N. Y. Combination receptacle and advertising display. 1,983,153; Dec. 4.
- Sweyer, Charles L., Columbus, assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Marking machine. 1,962,672; June 12.
- Swezey, Burdette S. (See Parker, R. D., and Swezey.)
- Swezey, Fenton H. (See Bohnsen, Van L., and Swezey.)
- Swickard, Andrew E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,964,604; June 26.
- Swift, Charles W. (See Viele, J. H., and Swift.)
- Swift, Claude E. (See Bray, U. B., and Swift.)
- Swift, Claude E. (See Garofalo, R. J., and Swift.)
- Swift and Company. (See Bech, Joseph, assignor.)
- Swift and Company. (See Brock, Melville L., assignor.)
- Swift & Company. (See Christopher, E. F., and De Benke-laer, assignors.)
- Swift and Company. (See Cook, Frederic J., assignor.)
- Swift and Company. (See Cook, Calvin P., assignor.)
- Swift and Company. (See Davis, Elmer M., assignor.)
- Swift and Company. (See De Vout, Anson W., assignor.)
- Swift and Company. (See Gaunt, Benjamin E., assignor.)
- Swift and Company. (See Henney, G. R., and Walter, assignors.)
- Swift and Company et al. (See Kenny, William J., assignor.)
- Swift and Company. (See Lawler, Michael K., assignor.)
- Swift and Company. (See Paddock, Levi S., assignor.)
- Swift and Company. (See Seaver, Floyd, assignor.)
- Swift & Company. (See Siems, Herman B., assignor.)
- Swift and Company. (See Walter, Charles T., assignor.)
- Swift and Company. (See Williams, Alberto, assignor.)
- Swift, Donald D., Hartford, Conn., and H. E. Robertson, Medford, Mass., assignors to M. Swift & Sons, Incorporated, Hartford, Conn. Applying gold leaf. 1,974,349; Sept. 18.
- Swift, Donald D., assignor to M. Swift & Sons, Incorporated, Hartford Conn. Manufacture of gold leaf carrier. 1,974,883; Sept. 25.
- Swift & Fisher. (See Fisher, H. W., and Leddy, assignors.)
- Swift, George W., jr., Inc. (See Swift, George W., jr., assignor.)
- Swift, George W., jr., Inc. (See Walters, Theodore, assignor.)
- Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordenstown, N. J. Blank-feeding machine. 1,948,142; Feb. 20.
- Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordenstown, N. J. Blank-creasing machine. 1,950,636; Mar. 13.
- Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordenstown, N. J. Variable drive mechanism. 1,951,536; Mar. 20.
- Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordenstown, N. J. Machine for creasing, slotting, and printing blanks. 1,977,812; Oct. 23.
- Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordenstown, N. J. Machine for making corrugated paper board. 1,981,338; Nov. 20.
- Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordenstown, N. J. Machine for making articles of pulp. 1,983,324; Dec. 4.
- Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordenstown, N. J. Tray for eggs and other fragile articles. 1,983,325; Dec. 4.
- Swift, Howard E., Westfield, Mass. Automotive vehicle. 1,968,623; July 31.
- Swift, M., & Sons, Incorporated. (See Swift, Donald D., assignor.)
- Swift, M., & Sons, Incorporated. (See Swift, D. D., and Robertson, assignors.)
- Swift, Thomas B. (See Maier, Charles G., assignor.)
- Swift, Thomas B., Martinez, Calif., assignor to The Mountain Copper Company, Limited. Production of cuprous oxide. 1,963,105; June 19.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Rip string envelope. 1,954,271; Apr. 10.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Metallic fastener for envelopes. 1,955,896; Apr. 24.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Treating paper and product thereof. 1,977,022; Oct. 16.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope or container. 1,981,440; Nov. 20.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 1,984,901; Dec. 18.
- Swift, William, Omaha, Nebr. Frenching machine. 1,982,487; Nov. 27.
- Swigerd, Robert C. (See Long, O. E., and Swigerd.)
- Swigert, Ernest G., Portland, Ore. Apparatus for barking logs. 1,969,914; Aug. 14.
- Swilik, Edward C., Cleveland, Ohio. Foot operated controlling mechanism. 1,973,828; Sept. 18.
- Swimsafe Products Company. (See Hall, George L., assignor.)
- Swingle, Lawrence L., Prairie du Chien, Wis. Tool grinder. Des. 92,378; May 29.

- Swinne, Richard, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Electric contact. 1,948,687; Feb. 27.
- Swiss firm of Chemical Works formerly Sandoz. (See Stoll, A., and Binkert, assignors.)
- Swisshelm Veneer Co., The. (See Boren, Fred, assignor.)
- Swissler, William H. (See Todd, G. C., and Swissler.)
- Switlik, Stanley, Trenton, N. J. Parachute pack harness. 1,964,864; July 3.
- Switzer, Frank, Inglewood, Calif. Hat holder. 1,953,373; Apr. 3.
- Switzer, Pearl E., Cleveland, Ohio. Shoulder strap holder. 1,949,982; Mar. 6.
- Swope, Julie C., Berkeley, Calif. Candlestick set. 1,975,522; Oct. 2.
- Swoboda, Adolph R., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making terminal connections. 1,950,156; Mar. 6.
- Sykes, George, Ossining, N. Y. Vapor dispensing apparatus. 1,948,635; Feb. 27.
- Sykes, George, Los Angeles, Calif. Ripe fruit corrugated packing tray. 1,985,670; Dec. 25.
- Sykes, James F., Pittsburgh, Pa. Umbrella stand. Des. 92,214; May 8.
- Sykes, Wilfred, Chicago, Ill. Apparatus for electrocuting insects. 1,966,999; July 17.
- Sykes, Wilfred, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Power-transmission system. 1,985,000; Dec. 18.
- Sykes, Wilfred, Chicago, Ill., and F. V. Carroll, East Chicago, Ind., assignors to Inland Steel Company, Chicago, Ill. Revetment, breakwater, pier, dock, and the like. 1,950,070; Mar. 6.
- Sykes, William E., Buffalo, N. Y. Torque measuring device. 1,976,813; Oct. 16.
- Sykes, William E., Buffalo, N. Y. Attachment for cutting internal gears. 1,978,064; Oct. 23.
- Sylte, Richard E., Chicago, Ill., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix magazine for typographical machines. 1,983,501; Dec. 4.
- Sylvan, Erick, Astoria, Oreg. Trolling spoon. Des. 93,800; Nov. 6.
- Sylvan, Stig G. son, Bradford, Pa., assignor to American Air Filter Company, Inc., Louisville, Ky. Separator. 1,941,449; Jan. 2.
- Sylvan, Stig G. son, assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,941,450; Jan. 2.
- Sylvania Industrial Corporation. (See Bleibler, Ernest, assignor.)
- Sylvania Industrial Corporation. (See Wallach, Robert N., assignor.)
- Sylvania Industrial Corporation. (See Wallach, Roger N., assignor.)
- Sylvania Industrial Corporation. (See Weingand, Richard, assignor.)
- Sylvester, Kimmel A., New Rochelle, N. Y., and O. A. Huber, assignors to Teletype Corporation, Chicago, Ill. Adjustable stop device. 1,968,059; July 31.
- Sylvester, Louis F., Teaneck, assignor of one-half to M. Platt, Bayonne, N. J. Furring support for concrete structures. 1,953,138; Apr. 3.
- Sylvester, Percy N., South Weymouth, Mass., assignor, by mesne assignments, to Colvule Rubber Company. Air vulcanizable rubber compound and manufacture. 1,963,339; June 19.
- Sylvester, Walter, Tunstall, England. Pit prop. 1,979,503; Nov. 6.
- Symington Company, The. (See Akitt, Norman B., assignor.)
- Symington Company, The. (See Barrows, Donald S., assignor.)
- Symington Company, The. (See Casey, Howard T., assignor.)
- Symington Company, The. (See Couch, Glenn E., assignor.)
- Symington Company, The. (See Heffelfinger, Arthur E., assignor.)
- Symington Company, The. (See Kadel, Byers W., assignor.)
- Symington Company, The. (See Kadel, B. W., and Barrows, assignors.)
- Symington Company, The. (See Mechlin, Ernest F., assignor.)
- Symington Company, The. (See Richards, Willard F., assignor.)
- Symington Company, The. (See Suckow, Frederick G., assignor.)
- Symington Company, The. (See Townsend, Donald L., assignor.)
- Symington, Scott, London, England, assignor to Woodall-Duckham (1920) Limited. Refuse destructor furnace. 1,944,816; Jan. 23.
- Symington, Scott, assignor to Woodall-Duckham (1920) Limited, London, England. Conveyor or screening apparatus. 1,958,322; May 8.
- Symington, T. H., & Son, Inc. (See Drenning, Percy R., assignor.)
- Symington, T. H., & Son, Inc. (See Martin, Mark H., assignor.)
- Symington, T. H., & Son, Inc. (See Symington, Thomas H., assignor.)
- Symington, T. H., & Son, Inc. (See Symington, T. H., and Drenning, assignors.)
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Snubbed spring nest. 1,943,492; Jan. 16.
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Lateral motion truck. 1,958,806; May 15.
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway car truck. 1,982,704; Dec. 4.
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway car truck bolster. 1,985,469; Dec. 25.
- Symington, Thomas H., and P. R. Drenning, assignors to T. H. Symington & Son, Inc., Baltimore, Md. Combined spring and absorption means. 1,956,108; Apr. 24.
- Symmonds, Charles J., Chevy Chase, Md. Bench dog. 1,943,352; Jan. 16.
- Symmonds, Charles J., Chevy Chase, Md. Article of furniture of the folding type. 1,980,450; Nov. 13.
- Symmonds, Charles J., Chevy Chase, Md. Bench dog. 1,981,882; Nov. 27.
- Symonds, Herbert W., St. Louis, Mo. Air control wall register. 1,961,948; June 5.
- Symonds, James E., New York, assignor to United Research Corporation, Long Island City, N. Y. Phonograph record. 1,946,596; Feb. 13.
- Symonds, James E., Muskegon, Mich., assignor to United Research Corporation. Phonograph record and manufacture. 1,946,597; Feb. 13.
- Symons Brothers Development Company. (See Symons, Loren G., assignor.)
- Symons, Edgar B., Hollywood, Calif., assignor, by mesne assignments, to Nordberg Manufacturing Company, Milwaukee, Wis. Crushing hard materials. Re19,154; May 1.
- Symons, Francis E., and F. M. Cowgill, assignors to Ralston Steel Car Company, Columbus, Ohio. Distilling apparatus for reclaiming used lubricating oils. 1,970,346; Aug. 14.
- Symons, Loren G., assignor to Symons Brothers Development Company, Hollywood, Calif. Bar separator. 1,961,534; June 5.
- Symons, Loren G., Hollywood, assignor, by mesne assignments, to Grademor Corp., Ltd., Los Angeles, Calif. Generating helical vanes. 1,966,530; July 17.
- Synchro Machine Company. (See Fantone, C. B., and Jameson, assignors.)
- Synchro Corporation. (See Wright, Walter L., assignor.)
- Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn husking mechanism. 1,977,810; Oct. 23.
- Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Hay loader. 1,980,835; Nov. 13.
- Syncro Machine Company. (See Fantone, C. B., and Jameson, assignors.)
- Synchromatic Air Conditioning Corporation. (See Jepertinger, Richard C., assignor.)
- Synthetic Plastics Company. (See Pollak, Fritz, assignor.)
- Synthetic Plastics Company. (See Ripper, Kurt, assignor.)
- Synthetic Plastics Company. (See Watson, Philip B., assignor.)
- Synthetic Plastics Company, Incorporated. (See Ripper, Kurt, assignor.)
- Sypher, Robert M. (See Dugan, Peter J., assignor.)
- Syracuse Chilled Plow Company Inc. (See Cummings, Charles D., assignor.)
- Syracuse Trust Company. (See Axe, Roy T., assignor.)
- Syracuse Trust Company, The. (See Edwards, O. M., and Axe, assignors.)
- Syracuse Trust Company, The, trustee. (See Axe, Roy T., assignor.)
- Syverston, Agmund, assignor of one-half to W. L. Lamkin, Porterville, Calif. Violin positioning attachment. 1,958,451; May 15.
- Szafr, Norman, Beaumont, Tex. Ice cube tray. 1,971,879; Aug. 28.
- Szafranski, Frank L., and J. Rogozynski, Detroit, Mich. Airplane control side propeller mechanism. 1,957,739; May 8.
- Szegvári, Andrew. (See Klein, P., and Szegvári.)
- Szegvari, Andrew, assignor to American Anode, Inc., Akron, Ohio. Making hollow rubber articles. 1,949,502; Mar. 6.
- Szegvari, Andrew, assignor, by mesne assignments, to American Anode Inc., Akron, Ohio. Method and apparatus for homogenizing aqueous dispersions. 1,958,118; May 8.
- Szegvari, Andrew, assignor to American Anode, Inc., Akron, Ohio. Dispersing solids. 1,969,242; Aug. 7.
- Székely, Nicholas. (See Szilas, O., and Székely.)
- Székely, Otto E., Holland, Mich. Connector for spark plug terminals. 1,970,635; Aug. 21.
- Szel, Louis, Toronto, Ontario, Canada, assignor to Noma Electric Corporation, New York, N. Y. Decorative illuminated device. 1,980,708; Nov. 13.
- Szikla, Géza, P. Merse, and P. von Vágó, Budapest, Hungary. Heat accumulator. 1,969,282; Aug. 7.
- Szilagy, Joseph, New York, N. Y. Sanitary smoking stem for pipes. 1,956,404; Apr. 24.
- Szilas, Oscar, and N. Székely, Budapest, Hungary. Electric energy indicating instrument. 1,942,193; Jan. 2.

- Szombathy, Max, Vienna, Austria. Power transmission for internal combustion engines. 1,968,470; July 31.
- T. E. R. Incorporated. (See Ellingham, Francis W., assignor.)
- T. E. R. Incorporated. (See Kerr, Andrew L., assignor.)
- T & P Optical Mfg. Co. Inc. (See Short, Frank A., assignor.)
- T. R. C. Corporation. (See Sommer, Albert, assignor.)
- Taarud, Clarence, Sioux Falls, S. Dak. Inner tube drier. 1,942,311; Jan. 2.
- Taber, George H., jr. (See Isom, E. W., and Taber.)
- Taber, George H., Binghamton, N. Y. Spring-controlling device. 1,971,357; Aug. 28.
- Taber, George H., Binghamton, N. Y. Controlling the supporting strength of resilient vehicle supporting means. 1,971,541; Aug. 28.
- Taber, John E., South Bend, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber footwear and making same. 1,952,473; Mar. 27.
- Tabern, Donalee L. (See Volwiler, E. H., and Tabern.)
- Tablet & Ticket Company, The. (See Sommers, Elwin M., assignor.)
- Tabor, Patrick E. (See Jenkins, Nicholas, assignor.)
- Tabor, William H., assignor of one-fourth to F. H. Baribeau, and one-fourth to E. E. Smith, Huntington, W. Va. Drive coupling for fluid pumps. 1,982,971; Dec. 4.
- Tabozzi, Giacinto, Milan, Italy. Filter. 1,981,397; Nov. 20.
- Taccard, Patrick, Liberty, N. Y. Container opener. 1,962,415; June 12.
- Tack Button Company. (See Freter, Roy J., assignor.)
- Taeger, William G., assignor to The Cooke & Cobb Company, Brooklyn, N. Y. Visible index. 1,974,902; Sept. 25.
- Tafe, Eleanor E., Los Angeles, Calif. Combination saw and roundabout. Des. 92,503; June 12.
- Tafel, Theodore, jr., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Company. Motor and pump mounting. 1,947,665; Feb. 20.
- Tafel, Theodore, jr., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Company. Nozzle. 1,979,504; Nov. 6.
- Taferner, Joseph A., et al. (See Popovich, Nicholas, assignor.)
- Taferner, Joseph A., et al. (See Schlitzer, Leo J., assignor.)
- Taft, Edward A., trustee. (See Parker, Edward H., assignor.)
- Taft, F. D. (See Dierking, George B., assignor.)
- Taft Oil Burner Company. (See Taft, William E., assignor.)
- Taft-Peirce Manufacturing Company, The. (See Simmons, Frank L., assignor.)
- Taft, William E., Athol, Mass. Multiring liquid fuel burner. 1,974,437; Sept. 25.
- Taft, William E., assignor to Taft Oil Burner Company, Athol, Mass. Oil burner. 1,949,382; Feb. 27.
- Taggart, Alvin C., et al. (See Knight, Cecil G., assignor.)
- Taggart, Archie D., Cement City, assignor of one-third to B. N. Beaman and one-third to J. H. Erickson, Jackson, Mich. Windshield warmer. 1,941,765; Jan. 2.
- Taggart Bros. Co. Inc. (See Taggart, Joseph W., assignor.)
- Taggart, Joseph W., assignor to Taggart Bros. Co. Inc., Watertown, N. Y. Multi-ply pasted end bag. 1,960,929; May 29.
- Tagit Company, The. (See Borchert, William and F. L., assignor.)
- Tagliabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)
- Tagliabue, Charles J., Mfg. Co. (See Bast, F. J., and Irwin, assignors.)
- Tagliabue, Charles J., Mfg. Co. (See Corbett, Edwin E., assignor.)
- Tagliabue, Charles J., Mfg. Co. (See Fairchild, Charles O., assignor.)
- Tagliabue, Charles J., Mfg. Co. (See Irwin, Lawrence C., assignor.)
- Tainton, Urlyn C., Baltimore, Md. Metallic paint. 1,954,462; Apr. 10.
- Tainton, Urlyn C., Baltimore, Md. Coating ferrous articles with zinc. 1,972,835; Sept. 4.
- Tainton, Urlyn C., St. Louis, and F. W. Harris, Clayton, Mo.; said Harris assignor to said Tainton. Metallic foil and manufacture. 1,959,087; May 15.
- Taisey, Fred R. (See Jennings, C. S., and Taisey.)
- Taisey, Fred R., Lowell, Mass., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,965,933; July 10.
- Tait, Howard J. (See Rosebraugh, W., and Tait.)
- Tait, Walter E. (See Hendrick, A. S., and Tait.)
- Tait, Wilfred E. (See Cohn, I. E., and Tait.)
- Tait, William O., jr., Crestwood, Ohio. Steering mechanism, etc. 1,944,700; Jan. 23.
- Tajmal Limited. (See Pfaff, H. E., Shaffer, and Metherell, assignors.)
- Takahashi, Teizo, Hongo-ku, Tokyo-Shi, Japan. Preparing gluconic acid. 1,953,694; Apr. 3.
- Takamine Corporation. (See Thompson, Olof, assignor.)
- Takayanagi, Kenjiro. (See Nakashima, T., and Takayanagi.)
- Takei, Takeshi. (See Kato, Y., and Takei.)
- Takeshita, Mitsuto, Los Angeles, Calif. Vending machine. 1,943,702; Jan. 16.
- Talafre, Rémi, Paris, and H. Renault, LeGarenne-Colombes, France. Device indicating the flying attitude of aircraft. 1,980,886; Nov. 13.
- Talbert, Guy W., Summit, N. J., assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of auramine coloring matters. 1,962,368; June 12.
- Talbot, Archibald W., Seattle, Wash. Reverse motion preventer. 1,963,596; June 19.
- Talbot, Frank A., Baltimore, Md. Liquid dispensing container and pump. 1,977,360; Oct. 16.
- Talbot, Frank A., assignor of one-half to W. B. W. Mann, Baltimore, Md. Nonrefillable container such as cans. 1,972,430; Sept. 4.
- Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for uncoiling metal strip. 1,943,748; Jan. 16.
- Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shear. 1,973,515; Sept. 11.
- Talbot, Howard H., and W. W. McBane, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Multiple winding reel. 1,984,776; Dec. 18.
- Talbot, Kenneth H., assignor to National Equipment Corporation, Milwaukee, Wis. Coating road aggregates. 1,969,283; Aug. 7.
- Talbot, Stanley E., Merton Park, England. Antidazzle fitting for head lamps. 1,950,071; Mar. 6.
- Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Rail drilling machine. 1,966,836; July 17.
- Talboys, Henry H., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Track wrench. 1,978,513; Oct. 30.
- Taliaferro, Edward E., Jackson, Tenn. Recorder. 1,950,870; Mar. 13.
- Taliaferro, William R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of selective tripping and grounding. 1,962,369; June 12.
- Talley, Robert W., Clarendon, Tex. Portable grave liner. 1,960,761; May 29.
- Tallmadge, Webster, Montclair, N. J., assignor to Webster Tallmadge & Company Inc., New York, N. Y. Orifice disk for steam radiators. 1,942,783; Jan. 9.
- Tallmadge, Webster & Company Inc. (See Tallmadge, Webster, assignor.)
- Tally, Thomas L. (See De La Garde, Theodor M., assignor.)
- Talmey, Paul, New Haven, Conn. Ignition system for combustion engines. 1,948,974; Feb. 27.
- Talty, Francis E., Arlington, Mass. Fluoroscopic device. 1,967,980; July 24.
- Tam, Julius C., New York, N. Y. Lamp holder and fastener. 1,944,040; Jan. 16.
- Taman, Oscar, Chicago, Ill. Locking device. 1,976,307; Oct. 9.
- Tamburo, Salvatore, et al. (See Hank, Luther V., assignor.)
- Tamini, Mario, Milan, Italy. Transportable bridge. 1,960,355; May 29.
- Tamini, Mario, Milan, Italy. Priming mechanism for portable pumps. 1,982,841; Dec. 4.
- Tamm, Walther, Munich, assignor of one-half to E. Witzemann, Pforzheim, Germany. Device for producing artificial ice. 1,966,150; July 10.
- Tamol, Adam, Buffalo, N. Y. Night light. 1,952,783; Mar. 27.
- Tamol, Adam, Buffalo, N. Y. Antenna eliminator. 1,970,986; Aug. 21.
- Tamussino, Karl, Modling, near Vienna, Austria. Swiveling means for the headlights of vehicles. 1,974,371; Sept. 18.
- Tanaka, Tomoichiro, Hongo-ku, Tokyo, Japan. Making sulphur soap. 1,957,918; May 8.
- Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Folding oxford eyeglasses. 1,953,995; Apr. 10.
- Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Adjustable nose-guard structure for folding Oxford eyeglasses. 1,973,125; Sept. 11.
- Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Folding Oxford eyeglasses. 1,973,126; Sept. 11.
- Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Joint structure for folding oxford eyeglasses. 1,978,728; Oct. 30.
- Tancred, William L. (See Mason, A. J., and Tancred.)
- Tandel, Karl F., assignor to C. G. Haubold A.-G., Chemnitz, Germany. Drying of fabrics. 1,980,558; Nov. 13.
- Tandy, Victor H., Lynwood, assignor to E. M. Smith, Los Angeles, Calif. Making motor pistons. 1,959,648; May 22.
- Tanfield, James W., Jersey City, N. J. Paste tube cap. 1,980,642; Nov. 13.
- Tange, Frank S., Mosman, New South Wales, Australia. Clamp and valve operating means for paint brushes. 1,960,071; May 22.
- Tanger, Chelton H., deceased, Evansville, Ind., by Servel, Inc., New York, N. Y., assignee. Refrigeration. Re19,322; Sept. 18.
- Tankersley, Charles S., Harlingen, Tex. Pneumatic motor. 1,970,826; Aug. 21.
- Tanneberger, Helmut. (See Baumann, P., and Tanneberger.)

- Tanneberger, Helmut. (See Bueckert, H., Stadler, and Tanneberger.)
- Tanneberger, Helmut. (See Baumann, P., Tanneberger, and Schilling.)
- Tanner, Arnold J. (See Andrews, C. S., and Tanner.)
- Tanner, Arnold J., North Haven, Conn., assignor to Carton Development Corporation, New York, N. Y. Folder or container. 1,970,636; Aug. 21.
- Tanner, Harry L., deceased, Brooklyn, N. Y.; The National City Bank of New York, executor, assignor, by mesne assignments, to Wallace & Tiernan Products, Inc., Belleville, N. J. Telemetric system. 1,964,227; June 26.
- Tanner, Harry L., deceased, Brooklyn, N. Y.; The National City Bank of New York, executor, assignor, by mesne assignments, to Wallace & Tiernan Products, Inc., Belleville, N. J. Vernier telemetric system. 1,964,228; June 26.
- Tanner, Harry L., Brooklyn, N. Y., assignor, by mesne assignments, to Wallace & Tiernan Products, Inc., Belleville, N. J. Telemetric transmission. 1,964,229; June 26.
- Tanner, Harry L., deceased, Brooklyn, N. Y.; The National City Bank of New York, executor, assignor, by mesne assignments, to Wallace & Tiernan Products, Inc., Belleville, N. J. Alternating current indicating or telemetric system. 1,964,230; June 26.
- Tanner, Harry L., deceased, by The National City Bank of New York, Brooklyn, N. Y., executor, assignor, by mesne assignments, to Wallace & Tiernan Products, Inc., Belleville, N. J. Control system and apparatus. 1,964,231; June 26.
- Tanner, Herbert G., Wilmington, Del. Explosive. 1,966,652; July 17.
- Tanner, Reginald H., Newark, N. J. Book and method of binding. 1,968,430; July 31.
- Tanner, Robert R., Highland Park, and H. J. Lodeesen, assignors to Metal Finishing Research Corporation, Detroit, Mich. Method and material for coating and cleaning metal. 1,949,090; Feb. 27.
- Tanner, Russell E., Denver, Colo., assignor to The Dorr Company, Inc., New York, N. Y. Repulper drivehead. 1,977,653; Oct. 23.
- Tanner, Warren A., Albany, N. Y. Pump. 1,982,887; Dec. 4.
- Tanning Process Company, The. (See Connor, J. H., and Merritt, assignors.)
- Tanning Process Company, The. (See Merritt, Matthew M., assignor.)
- Tanning Process Company, The. (See Merritt, M. M. and Poor, assignors.)
- Tanquary, Neal, Los Angeles, Calif. Light reflecting member. 1,977,023; Oct. 16.
- Tansey, William J., San Francisco, Calif. Hair curler. 1,956,660; May 1.
- Tansey, William J., San Francisco, Calif. Hair curler. 1,956,661; May 1.
- Tant, Walter F., et al. (See Heath, Forrest A., assignor.)
- Tanzer, Jacob. (See Tanzer, J., Smith, and Arenstein, assignors.)
- Tanzer, Jacob, D. Smith, and J. Arenstein, New York, N. Y.; said Smith and said Arenstein, assignors to said Tanzer. Clothier's rack. 1,984,001; Dec. 11.
- Tanzi, Guido, Brooklyn, N. Y., assignor, by mesne assignments, to B. Filippone & Co. Inc., Passaic, N. J. Macaroni. Des. 91,445; Jan. 30.
- Tanzi, Guido, assignor to V. La Rosa & Sons, Inc., Brooklyn, N. Y. Macaroni or similar article. Des. 92,684; July 3.
- Tanzi, Guido, Brooklyn, N. Y. Macaroni or similar article. Des. 93,253; Sept. 4.
- Tanzi, Guido, Brooklyn, N. Y., assignor, by mesne assignments, to B. Filippone & Co. Inc., Passaic, N. J. Macaroni. Des. 94,172; Dec. 25.
- Tanzi, Guido, assignor to V. La Rosa & Sons, Inc., Brooklyn, N. Y. Macaroni and producing the same. 1,969,589; Aug. 7.
- Tapley, Thomas H. (See Claire, Louis V., assignor.)
- Taplin, Harold J., assignor to Gerrard Industries Limited, London, England. Making of box ends and like constructions. 1,961,949; June 5.
- Tappan, Charles O., New York, N. Y. Mass production of paper fibers from banana stalks. 1,981,883; Nov. 27.
- Tappan, Chester, assignor to General Talking Pictures Corporation, New York, N. Y. Sound-on-film apparatus. 1,953,139; Apr. 3.
- Tappan, Chester, assignor to General Talking Pictures Corporation, New York, N. Y. Sound-on-film reproducing apparatus. 1,954,187; Apr. 10.
- Tappan, Chester, assignor to General Talking Pictures Corporation, New York, N. Y. Sound-on-film recording camera. 1,981,207; Nov. 20.
- Tappan, Dewitt, assignor to E. C. Brown Company, Rochester, N. Y. Doorcheck. 1,963,687; June 19.
- Tappe, Edward A., San Bernardino, Calif. Collapsible tube closure. 1,945,872; Feb. 6.
- Tappé, Frank G., Oslo, Norway. Ski binding. 1,975,299; Oct. 2.
- Tappen, Guy L., Newport News, Va. Filling inaccessible spaces. 1,971,123; Aug. 21.
- Taraborrelli, José. (See Delpini, J. L., and Taraborrelli.)
- Tarbox, George R., Troy, N. Y. Cable connector. 1,982,183; Nov. 27.
- Tarbox, John P., Philadelphia, Pa. Electric display system. 1,965,206; July 3.
- Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,948,688; Feb. 27.
- Tarbox, John P., assignor to Edw. G. Budd Mfg. Company, Philadelphia, Pa. Truss member for aircraft and the like. 1,949,818; Mar. 6.
- Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Welding and article produced thereby. 1,952,474; Mar. 27.
- Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Making wire wheels. 1,969,108; Aug. 7.
- Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Making metal spoked wheels. 1,973,183; Sept. 11.
- Tarbox, Leon A. (See Pew, A. E., jr., and Tarbox.)
- Tarján, Emerich. (See Gaidies, G., Tarján, and Thomas.)
- Tark, Marcus B., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Sewage disposal apparatus. Re19,146; Apr. 24.
- Tarleton, Frederic L., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Float valve. 1,982,705; Dec. 4.
- Tarlow, Isidor, Brockton, Mass. Shoe and the manufacture thereof. 1,975,988; Oct. 9.
- Tarpley, Raymond E., assignor to Leeds & Northrup Company, Philadelphia, Pa. Woven resistor. 1,972,499; Sept. 4.
- Tarpley, Raymond E., and L. Behr, assignors to Leeds & Northrup Company, Philadelphia, Pa. Cross-shot woven resistor. 1,972,720; Sept. 4.
- Tarr, Adolf, Westfield, N. J. Bottle package. Des. 91,742; Mar. 13.
- Tarr, Morris J., Lakewood, Ohio. Rod coupling. 1,951,220; Mar. 13.
- Tarr, Omar F., Stoneleigh, Md., assignor to Mutual Chemical Company of America, New York, N. Y. Manufacture of chromates. 1,948,143; Feb. 20.
- Tarr, Philip R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Outboard motor. 1,958,119; May 8.
- Tarr, Roderic D., Biddeford, and E. M. Mason, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Hollow spindle and making same. 1,953,573; Apr. 3.
- Tarr, Roderic D., Biddeford, and E. E. Blake, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Drawing mechanism for spinning frames and similar machines. 1,970,528; Aug. 14.
- Tarrant, Robert, Chicago, Ill. Door stop and alarm. 1,967,790; July 24.
- Tarte, Charles E., and D. S. Mellett, Augusta, Kans., assignors to Socony-Vacuum Corporation, New York, N. Y. Method and apparatus for distillation under vacuum. 1,954,371; Apr. 10.
- Tartikoff, Morris, Brooklyn, N. Y. Attachment for wash suits. 1,955,660; Apr. 17.
- Tartrais, Eugène H., Montmorency, France. Coating cylindrical members with a hard material. 1,971,433; Aug. 28.
- Tarvin, George W., Parsons, Kans. Burial vault. 1,967,485; July 24.
- Tarwater, Urban K., Murrieta, Calif. Greasewood product. 1,973,024; Sept. 11.
- Tarzan, Sarkes. (See Miller, J. M., and Tarzian.)
- Tarzian, Sarkes, Bryn Mawr, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Anode supply system. 1,972,279; Sept. 4.
- Tarzian, Sarkes, Philadelphia, Pa., assignor to Arthur Atwater Kent. Volume control. 1,973,514; Oct. 30.
- Tashjian, Armen H., assignor to The Rivet-Grip Steel Co., Cleveland, Ohio. Partition. 1,985,196; Dec. 18.
- Taslitt, Nathan, assignor of one-half to N. Taslitt, and one-half to R. Taslitt, Hartford, Conn. Aquarium. 1,965,323; July 3.
- Taslitt, Norman, et al. (See Taslitt, Nathan, assignor.)
- Taslitt, Rae, et al. (See Taslitt, Nathan, assignor.)
- Tassano, Giacomo A., Stockton, Calif. Instrumentality for the treatment of piles. 1,968,230; July 31.
- Tatarchuk, Fedor. (See Kobarynka, J., and Tatarchuk.)
- Tate, Alfred O., Toronto, Ontario, Canada. Visualizer disk. 1,954,962; Apr. 17.
- Tate, Charles H., Anscortes, Wash. Machine for cutting elongated slots. 1,956,911; May 1.
- Tate, Howard R. (See Benton, L. G., Tate, and Lewtas.)
- Tate, James, and H. E. Tautz, assignors to Delta Manufacturing Company, Milwaukee, Wis. Scroll saw and band saw. 1,956,912; May 1.
- Tate-Jones & Company. (See Hacker, Frank J., assignor.)
- Tate, Kenneth L., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer and making the same. 1,970,715; Aug. 21.
- Tate, Mary, and W. W. Ower, Englewood, N. J. Combination container and straw. 1,962,883; June 12.
- Tate, Robert H., Hendon, England. Apparatus for automatically delivering treasury notes and the like. 1,966,320; July 10.
- Tate, William R., H. P. Stephenson, and H. P. Dean, Norton-on-Tees, assignors to Imperial Chemical Industries Limited, London, England. Releasing the pressure of mixture of solids and liquids existing under high pressure. 1,970,871; Aug. 21.
- Tate, William T., Rockdale, near Sydney, New South Wales, Australia. Apparatus for lining pipes with cementitious material. 1,951,221; Mar. 13.

- Tatham, Norman, assignor to H. P. De Witt, Los Angeles, Calif. Dental tool angle. 1,984,663; Dec. 18.
- Tatlock, Roberts, Gastonia, N. C., assignor to Mill Devices Company, Inc. Knotter. 1,983,953; Dec. 11.
- Tatman, James M., Cincinnati, Ohio, assignor to Van Kannel Revolving Door Company, New York, N. Y. Revolving door. 1,965,481; July 8.
- Tatman, James M., Cincinnati, Ohio. Starting gear. 1,983,952; Dec. 11.
- Tatro, Lysle G., assignor to H. B. Montgomery, Decorah, Iowa. Radioreceiver. 1,942,378; Jan. 2.
- Tatter, John W. (See Harris, W. W. and Tatter.)
- Tatter, John W., Detroit, Mich. Brake. 1,985,588; Dec. 25.
- Tatter, John W., Oak Park, assignor to Lewis Differential Company, Chicago, Ill. Brake mechanism. 1,961,435; June 5.
- Tatter, John W., Detroit, and G. B. Ingersoll; said Ingersoll assignor to E. I. Ingersoll, Dearborn, Mich. Raft. 1,973,584; Sept. 11.
- Tatum, Aldridge A., Lafayette, Ala. Poison powder distributor. 1,968,541; July 31.
- Tatum, John J. (See Emerson, G. H., and Tatum.)
- Tatum, John J., Baltimore, Md. Hopper car. 1,979,234; Oct. 30.
- Tatum, John J., Baltimore, Md. Car truck. 1,979,235; Oct. 30.
- Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Engine mounting. 1,950,637; Mar. 13.
- Taub, Harry, assignor to Feminine Products, Inc., New York, N. Y. Deodorant composition. 1,984,669; Dec. 18.
- Taub, Ludwig. (See Kropp, W., and Taub.)
- Taube, Carl, Leverkusen-on-the-Rhine, L. Zeh, Wiesdorf-on-the-Rhine, and J. Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuff of the anthraquinone series. 1,973,025; Sept. 11.
- Taube, Carl, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 1,982,332; Nov. 27.
- Taube, Karl. (See Schepss, W., Bonrath, and Taube.)
- Tauber, Hyman, assignor to Porceller Manufacturing Company, Greensburg, Pa. Lighting fixture. 1,945,168; Jan. 30.
- Tauber, Siegfried, and L. Fischmann, Vienna, Austria, assignors, by mesne assignments, to Dunlop Rubber Company Limited, London, England. Stringing tennis rackets with strings. 1,943,400; Jan. 16.
- Tauber, Siegfried, and L. Fischmann, Vienna, Austria, assignors, by mesne assignments, to Dunlop Rubber Company Limited, London, England. Stringing tennis rackets with strings. 1,969,826; Aug. 14.
- Taubner, Frank, Bronx, assignor to Meteor Electric Corporation, New York, N. Y. Electric switch. 1,943,493; Jan. 16.
- Tauchmann, George F., Berkeley, Calif. Apparatus for grinding reflectors. 1,960,291; May 20.
- Tauschek, Gustav, Vienna, Austria, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing mechanism. 1,944,675; Jan. 23.
- Tauschek, Gustav, Vienna, Austria, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Calculating machine. 1,950,527; Mar. 13.
- Tauschek, Gustav, Vienna, Austria, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Printing device for use in connection with tabulating machines, calculating machines, and the like. 1,969,334; Aug. 7.
- Tauschek, Gustav, Vienna, Austria, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Machine for utilizing registration cards and the like. 1,973,026; Sept. 11.
- Tauschek, Gustav, Vienna, Austria, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Money-delivering device. 1,976,585; Oct. 9.
- Tauschek, Gustav, Mountain Lakes, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card controlled calculating machine. 1,944,676; Jan. 23.
- Tauscher, John. (See Tilssner, C., and Tauscher.)
- Tausik, Adolph, New York, N. Y. Handkerchief and tie set and making same. 1,980,507; Nov. 13.
- Tausz, Jenő. (See Askenasy, P., Rossetti, and Tausz.)
- Tautz, Herbert E. (See Tate, J., and Tautz.)
- Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Work guide. 1,947,885; Feb. 20.
- Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Hollow fence bar and making the same. 1,963,688; June 19.
- Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll saw. 1,964,651; June 26.
- Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll saw. 1,964,652; June 26.
- Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Lathe. 1,965,728; July 10.
- Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Jointer fence. 1,967,791; July 24.
- Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll saw chuck. 1,969,827; Aug. 14.
- Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Jointer fence. 1,975,562; Oct. 2.
- Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll chuck. 1,984,500; Dec. 18.
- Tavender, Walter K. (See Reimers, A. E., and Tavender.)
- Taverner, Howard B., Chicago, Ill. Insulating sleeve for truck type oil switches. 1,967,014; July 17.
- Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Signaling system control. 1,969,335; Aug. 7.
- Taylor, Albert H., L. C. Young, and L. A. Hyland, Washington, D. C. Aircraft altitude determination system. 1,979,297; Nov. 6.
- Taylor, Albert H., L. C. Young, and L. A. Hyland, Washington, D. C. System for detecting objects by radio. 1,981,884; Nov. 27.
- Taylor, Alfred C., and E. S. Du Bose, Jacksonville, Fla. Lubricating device. 1,977,532; Oct. 16.
- Taylor, Arnold N. (See Martinek, A. L., and Taylor.)
- Taylor, Arthur G., assignor of one-half to M. Wahiche, Paris, France. Brake-testing apparatus. 1,959,450; May 22.
- Taylor, Arthur K., assignor to The United States Printing and Lithograph Co., Baltimore, Md. Sheet edge crimping apparatus. 1,942,988; Jan. 9.
- Taylor, Benjamin F., Northport, N. Y. Ash receiver. 1,975,412; Oct. 2.
- Taylor, Cecil H., assignor to Bendix Brake Company, South Bend, Ind. Magnetic brake. 1,954,603; Apr. 10.
- Taylor, Cecil H., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,966,151; July 10.
- Taylor, Cecil H., South Bend, Ind., assignor, by mesne assignments, to Bendix-Cordway Brake Tester, Inc., New York, N. Y. Brake testing apparatus. 1,970,825; Aug. 21.
- Taylor, Charles C., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Transmission system. 1,973,027; Sept. 11.
- Taylor, Charles E. and W. B. Los Angeles, Calif., assignors to The Perfection Battery Terminal Company, Cleveland, Ohio. Battery clamp. 1,961,113; May 29.
- Taylor, Clarence L., Youngstown, Ohio. Sheet leveling mechanism. 1,969,700; Aug. 7.
- Taylor, Clarence L., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Tilting table for sheet mills. 1,952,392; Mar. 27.
- Taylor, Clifton, Pittsburgh, Pa., J. A. Weiger, and G. N. Sieger, Indianapolis, Ind. Preparing and composition of rods of hard facing material. 1,977,361; Oct. 16.
- Taylor, Cyril S., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Cast aluminum rotor winding. 1,950,197; Mar. 6.
- Taylor, Cyrus J., Melrose, assignor to Bemis Industries, Incorporated, Boston, Mass. Apparatus for manufacture of artificial lumber. 1,960,399; May 29.
- Taylor, Daniel E., Willimantic, Conn. Amusement device. 1,944,377; Jan. 23.
- Taylor, Daniel G. (See Denison, F. S., and Taylor.)
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 1,941,502; Jan. 2.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 1,946,598; Feb. 13.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch. 1,957,085; May 1.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner controlling apparatus. 1,961,802; June 5.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 1,970,987; Aug. 21.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 1,970,988; Aug. 21.
- Taylor, Donald D., assignor to Advance Engineering Corporation, Duncannon, Pa. Metal spraying apparatus. 1,968,329; July 31.
- Taylor, Donald D., assignor to Advance Engineering Corporation, Duncannon, Pa. Metal spraying apparatus. 1,979,179; Oct. 30.
- Taylor, Edgar W., assignor to The Infallible Card Selecting Company Limited, Birmingham, England. Card holding device for use in visible card indexes. 1,948,689; Feb. 27.
- Taylor, Edith C. (See Hull, Ross A., assignor.)
- Taylor, Edmund R. (See Wright, S. B., and Taylor.)
- Taylor, Edward, Garden City, N. Y. Bath spray. 1,948,807; Feb. 27.
- Taylor, Edward C. (See Whitty, W. H., and Taylor.)
- Taylor, Edward C., Yonkers, N. Y. Signal switch. 1,954,272; Apr. 10.
- Taylor, Edward H., Oak Park, Ill. Making pipe. 1,967,728; July 24.
- Taylor, Edward M., Ralph A. Quimby, Worcester, Mass., and R. M. Lippard, Detroit, Mich., assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,949,552; Mar. 6.
- Taylor, Elmer Z., Newark, N. J. Paper container. 1,961,535; June 5.

- Taylor, Elmer Z., Newark, N. J. Manufacture of flanged articles of paper or like material. 1,966,469; July 17.
- Taylor, Ernest R., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition containing a mixture of isomeric cresyl toluene sulphonates. 1,957,861; May 8.
- Taylor, Ernest R., and C. E. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Leaching film, etc. 1,942,848; Jan. 9.
- Taylor, Ernest R., and H. I. Davis, assignors to Eastman Kodak Company, Rochester, N. Y. Coating copper with cellulose acetate lacquer. 1,940,647; Feb. 13.
- Taylor, Ernest R., and H. B. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing an ester of tetrahydrofurfuryl alcohol. 1,981,398; Nov. 20.
- Taylor, Eugene V., Chicago, Ill. Brake. 1,953,996; Apr. 10.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,947,886; Feb. 20.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,950,275; Mar. 6.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,950,276; Mar. 6.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 1,967,382; July 24.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,967,386; July 24.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,976,419; Oct. 9.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,976,420; Oct. 9.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,985,671; Dec. 25.
- Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,985,672; Dec. 25.
- Taylor, Everett P., Athens, Ga. Bending device. 1,967,162; July 17.
- Taylor Forge & Pipe Works. (See Kellogg, Morris W., assignor.)
- Taylor Forge & Pipe Works. (See Maroto, Jorge, assignor.)
- Taylor Forge & Pipe Works. (See Taylor, James H., assignor.)
- Taylor, Frances R., Broken Bow, Nebr. Grave marker. Des. 93,801; Nov. 6.
- Taylor, Frank C., Haverhill, Mass. Shoe tree stick cutter. 1,962,624; June 12.
- Taylor, Frank F. (See Gill, D. W., Orr, and Taylor.)
- Taylor, Frank F., Company, The. (See Gill, D. W., Orr, and Taylor, assignors.)
- Taylor, Fred L., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tube joint. 1,980,451; Nov. 13.
- Taylor, Frederick J. (See Sumner, H. C., Taylor, and Langley.)
- Taylor Freezer Corporation. (See Helwege, Walter R., assignor.)
- Taylor, Geoffrey Ingram, Cambridge, England. Anchor. 1,974,933; Sept. 25.
- Taylor, George, Hollinghurst, Kingsway, Penwortham, Preston, England. Safety razor. 1,947,318; Feb. 13.
- Taylor, George, Hollinghurst, Kingsway, Penwortham, Preston, England. Safety razor. 1,954,963; Apr. 17.
- Taylor, George, Penwortham, Preston, England. Safety razor. 1,960,684; May 29.
- Taylor, George, Philadelphia, Pa. Making hair cloth. 1,949,338; Feb. 27.
- Taylor, George E., Westfield, N. J., assignor to General Chemical Company, New York, N. Y. Adsorbent. 1,970,255; Aug. 14.
- Taylor, George E., and L. E. Thompson, London, England, assignors to Ajax Electrothermic Corporation, Ajax Park, N. J., and Ajax Electric Furnace Corporation, Philadelphia, Pa. Tilting a furnace or other apparatus. 1,943,494; Jan. 16.
- Taylor, George H., Norfolk, assignor to Metallic Tag Co., Incorporated, Richmond, Va. Price ticket holding device. 1,972,959; Sept. 11.
- Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Cop-tube holder. 1,966,152; July 10.
- Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,980,113; Nov. 6.
- Taylor, George R., Woodlynne, assignor to John H. Mathis Company, Camden, N. J. Automatic steering device for barges and like vessels. 1,968,577; July 31.
- Taylor, George R., Woodlynne, assignor to John H. Mathis Company, Camden, N. J. Skeg for barges and like vessels. 1,980,114; Nov. 6.
- Taylor, Guy C., assignor to Flint Eaton and Company, Decatur, Ill. Medicine and preparing same. 1,983,954; Dec. 11.
- Taylor, Halsey W., Warren, Ohio. Drinking fountain. 1,957,862; May 8.
- Taylor, Harden F., Bronx, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Smoking comestibles. 1,960,516; May 29.
- Taylor, Harden F., Scarsdale, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Steak-forming machine. 1,960,517; May 29.
- Taylor, Harris C., Walnut Creek, Calif. Paste tube. 1,974,632; Sept. 25.
- Taylor, Harry, Burslem, England. Tray or similar article. Des. 93,188; Aug. 28.
- Taylor, Henry A., sr., Upland, Calif. Tile tie. 1,974,372; Sept. 18.
- Taylor, Henry P., Walkerton, Va. Vegetable cleansing and blanching apparatus. 1,943,775; Jan. 16.
- Taylor, Henry P., Winston-Salem, N. C. Adjustable movable knife for lump presses. 1,980,887; Nov. 13.
- Taylor, Henry P., Winston-Salem, N. C. Tobacco press. 1,985,626; Dec. 25.
- Taylor, Herbert E., Ruddington, Nottinghamshire, England. Folding chair and the like. 1,952,296; Mar. 27.
- Taylor, Howard D., New York, N. Y., assignor to Flexible Truck Corporation, Reading, Pa. Car truck. 1,953,319; Apr. 3.
- Taylor Instrument Companies. (See Bandoly, Erich, assignor.)
- Taylor Instrument Companies. (See Bolton, Harry D., assignor.)
- Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
- Taylor Instrument Companies. (See Chilson, Le Roy, assignor.)
- Taylor Instrument Companies. (See Foote, Edward B., assignor.)
- Taylor Instrument Companies. (See Hubbard, Karl H., assignor.)
- Taylor Instrument Companies. (See Newell, Floyd B., assignor.)
- Taylor Instrument Companies. (See Norwood, H. Y., and Newell, assignors.)
- Taylor Instrument Companies. (See Noyes, Bradford, jr., assignor.)
- Taylor Instrument Companies. (See Olson, Raymond E., assignor.)
- Taylor Instrument Companies. (See Olson, R. E., and De Mers, assignors.)
- Taylor Instrument Companies. (See Stricklen, J. R., and Fraine, assignors.)
- Taylor Instrument Companies. (See Tate, Kenneth L., assignor.)
- Taylor Instrument Companies. (See Teague, Walter D., assignor.)
- Taylor, Jacob R., San Francisco, Calif. Electric percussion tool. 1,978,442; Oct. 30.
- Taylor, James A., Glen Ridge, N. J. Automatic, continuous freight conveyer. 1,963,567; June 19.
- Taylor, James A., Glen Ridge, N. J. Automatic fire extinguisher. 1,976,586; Oct. 9.
- Taylor, James B., and W. F. Weathers, assignors of one-fourth to J. W. Sibley, Detroit, Mich. Magnetic switch. 1,959,115; May 15.
- Taylor, James D., Quincy, Mass. Indicating device or the like. 1,972,205; Sept. 4.
- Taylor, James H., Oak Park, Ill. Apparatus for upsetting plate edges. 1,963,724; June 19.
- Taylor, James H., Oak Park, Ill. Welding lug. 1,978,178; Oct. 23.
- Taylor, James H., Oak Park, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Making pipe bends. 1,962,469; June 12.
- Taylor, James I., Chiswick, assignor to The John Compton Organ Company Limited, London, England. Sound reproducing system. 1,965,913; July 10.
- Taylor, James S., Tulsa, Okla. Lubricator insert for stuffing boxes. 1,971,542; Aug. 28.
- Taylor, James W., Denton, Tex. Fishing line float. 1,980,302; Nov. 13.
- Taylor, John J., Barborton, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,961,402; June 5.
- Taylor, John L., Kenosha, Wis. Injector valve. 1,969,954; Aug. 14.
- Taylor, John L., Milwaukee, Wis. Drilling chuck. 1,979,652; Nov. 6.
- Taylor, John M. (See Christie, B. A., Guermont, and Taylor.)
- Taylor, John R., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Draft device. 1,963,426; June 19.
- Taylor, Joseph B., Allendale, N. J., assignor to By-Products Recoveries, Inc., New York, N. Y. Dust separator. 1,948,363; Feb. 20.
- Taylor, Leonard, Trows Upper Works, Castleton, England. Friction clutch or coupling. 1,960,092; May 22.
- Taylor, Lewis H., jr., deceased, Bryn Mawr, Pa.; E. D. Hess, executrix. Case for blade heads of safety razors. 1,979,123; Oct. 30.
- Taylor, Mrs. M. J. (See Bolster, Albert W., assignor.)
- Taylor, Matthew M., and S. M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of yarns. 1,959,142; May 15.
- Taylor, Maurice C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Stable calcium hypochlorite composition. 1,961,576; June 5.
- Taylor, Norman H., Singapore, Straits Settlements. Reclaiming bituminous road material. 1,960,463; May 29.
- Taylor, Norris O., assignor to Spyco Smelting and Refining Company, Minneapolis, Minn. Precious metal alloy composition. 1,965,012; July 3.
- Taylor, Paul B., Chicopee Falls, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Field strength meter. 1,982,331; Nov. 27.

- Taylor, Paul B., Memphis, Tenn. Electrical tire pressure indicator. 1,954,153; Apr. 10.
- Taylor, Peter, Dartmouth, Nova Scotia, Canada. Tubular skate. 1,957,740; May 8.
- Taylor, Ralph W., Painesville, Ohio. Seed potato cutter. 1,946,648; Feb. 13.
- Taylor, Raymond W. (See Steinbacher, L. R. S., and Taylor.)
- Taylor, Reginald, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,954,106; Apr. 10.
- Taylor, Robert B., Kapaa, Territory of Hawaii. Peeling knife. 1,984,709; Dec. 18.
- Taylor, Robert B., Kapaa, Kauai, Hawaii. Pressure process for canned pineapple. 1,964,143; June 26.
- Taylor, Robert S. (See Thomas, A. R., and Taylor.)
- Taylor, Robert S., Evansville, Ind., assignor to Electrolux Servel Corporation, New York, N. Y. Absorption refrigeration apparatus. 1,949,637; Mar. 6.
- Taylor, Robert S., Evansville, Ind., assignor to Electrolux Servel Corporation, New York, N. Y. Cooling element for refrigerating system. 1,973,127; Sept. 11.
- Taylor, Robert S., and R. A. Heim, Evansville, Ind., assignors to Electrolux Servel Corporation, New York, N. Y. Secondary cooling element. 1,942,458; Jan. 9.
- Taylor, S. Robert. (See Stocker, George W., assignor.)
- Taylor, Sam Y., and J. P. Corkery, Houston, Tex., assignors to Houston Compress Company. Combination bale tie and holder. 1,969,109; Aug. 7.
- Taylor, Sterling G. (See Waters, W. C., Purvis, and Taylor.)
- Taylor, Thomas H., administrator. (See Priebe, Herman C.)
- Taylor-Wharton Iron and Steel Company. (See Hall, John H., assignor.)
- Taylor-Wharton Iron & Steel Company. (See Rockhill, William S., assignor.)
- Taylor-Wharton Iron & Steel Company. (See Stires, William H., assignor.)
- Taylor, William, assignor to Vickers-Armstrongs Limited, Westminster, England. Swimming bath. 1,959,555; May 22.
- Taylor, William, Windsor, Ontario, Canada, assignor to James M. Teahan, Detroit, Mich. Flushing tank. 1,971,880; Aug. 28.
- Taylor, William A., Detroit, Mich. Game device. 1,972,803; Sept. 4.
- Taylor, William B. (See Taylor, Charles E. and W. B.)
- Taylor, William D., Aspinwall, Pa. Leaf spring. 1,984,902; Dec. 18.
- Taylor, William H., Des Moines, Iowa. Trunk and carrier for automobiles. 1,947,745; Feb. 20.
- Taylor, William H., Mentor on the Lake, Ohio. Engine valve. 1,959,394; May 22.
- Taylor, William H., Brookfield, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Material treating apparatus. 1,952,688; Mar. 27.
- Taylor, William H., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Making ice. 1,982,842; Dec. 4.
- Taylor, William H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Height measuring rod for scales. 1,985,527; Dec. 25.
- Taylor, William I. (See Dreyfus, H., and Taylor.)
- Taylor, William I. (See Dreyfus, H., Kinsella, Bower, and Taylor.)
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of artificial filaments or threads by the dry spinning method. 1,943,353; Jan. 16.
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Spinning of artificial filaments and the like. 1,949,983; Mar. 6.
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of textile materials. 1,956,600; May 1.
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of artificial filaments, yarns, or threads. 1,957,508; May 8.
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Device for facilitating the starting up of spinning jets. 1,958,500; May 15.
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of textile materials. 1,969,770; Aug. 14.
- Taylor, William I., Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile material and the production thereof. 1,976,201; Oct. 9.
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for the production of artificial threads or like products. 1,980,234; Nov. 13.
- Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial staple fiber. 1,983,326; Dec. 4.
- Tchoubritsch, Michel, Sucy-en-Brie, assignor to Société Anonyme Française dite: Société Nouvelle de Constructions Téléphoniques (Brevets Tchou-Britsch-Derval), Paris, France. Recording-emitting assembly for automatic telephone systems. 1,960,129; May 22.
- Teach, Albert R., et al. (See Teach, John W., assignor.)
- Teach, John W., assignor of one-fourth to W. H. Teach and one-half to A. R. Teach, Springfield, Ohio. Measuring device. 1,969,110; Aug. 7.
- Teach, Warren H., et al. (See Teach, John W., assignor.)
- Teague, Merwyn C., Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Latex adhesive. 1,967,336; July 24.
- Teague, Merwyn C., Jackson Heights, and N. H. Brewster, Brooklyn, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Fibrous material and treating same. 1,957,301; May 1.
- Teague, Walter D., New York, N. Y., assignor to Marshall Field & Company, Chicago, Ill. Textile fabric. Des. 92,274; May 15.
- Teague, Walter D., New York, N. Y., assignor to Marshall Field & Company, Chicago, Ill. Textile fabrics. Des. 92,275; May 15.
- Teague, Walter D., New York, N. Y., assignor to Marshall Field & Company, Chicago, Ill. Textile fabrics. Des. 92,276; May 15.
- Teague, Walter D., New York, N. Y., assignor to Marshall Field & Company, Chicago, Ill. Textile fabric. Des. 92,277; May 15.
- Teague, Walter D., New York, N. Y., assignor to Square D Company, Detroit, Mich. Switch structure. Des. 92,685; July 3.
- Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing. Des. 92,830; July 17.
- Teague, Walter D., Forest Hills, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. Des. 93,951; Nov. 27.
- Teahan, James M. (See Taylor, William, assignor.)
- Teahan, James M., Detroit, Mich. Water closet. Des. 92,215; May 8.
- Tear, Harry R. (See Dodge, A. Y., and Tear.)
- Tear, Harry R., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,958,216; May 8.
- Tear, Harry R., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,964,865; July 3.
- Tear, Harry R., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,969,915; Aug. 14.
- Tear, Harry R., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,976,903; Oct. 16.
- Tear, Harry R., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,977,867; Oct. 23.
- Tear, Harry R., and L. M. Andrews, assignors to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,974,550; Sept. 25.
- Tear, James D., Schenectady, N. Y., assignor to General Electric Company, Compass. 1,952,899; Mar. 27.
- Tear, James D., Schenectady, N. Y., assignor to General Electric Company. Direction responsive means. 1,968,542; July 31.
- Teate, Thomas A., assignor of one-half to C. W. Kirby, Thomasville, Ga. Mill pick. 1,972,540; Sept. 4.
- Tebaldi, Alessandro, Milan, Italy. Oil cooler. 1,969,864; Aug. 14.
- Tebo, Ida E., Brooklyn, N. Y. Hair drier. Des. 93,146; Aug. 21.
- Tecalemit Limited. (See Piquerez, Emile, assignor.)
- Techmer, Elfrieda C., et al. (See Techmer, Ewald F., assignor.)
- Techmer, Ewald F., assignor of one-half to Elfrieda C. Techmer and one-half to George Dubelston, Chicago, Ill. Ground construction. 1,964,804; June 26.
- Technical Equipment Company. (See Rawls, Paul C., assignor.)
- Technical Research Manufacturing Corporation. (See Whitson, D. A., and Physloc, assignors.)
- Technical Tool Company. (See Ahola, Harold, assignor.)
- Technicolor, Inc. (See Ball, J. A., and Rackett, assignors.)
- Technicolor, Inc. (See Troland, Leonard T., assignor.)
- Technicolor, Inc. (See Weaver, Eastman A., assignor.)
- Technicolor Motion Picture Corporation. (See Ball, Joseph A., assignor.)
- Technicolor Motion Picture Corporation. (See Troland, Leonard T.)
- Technidyne Corporation. (See Flanzer, J. A., and Jones, assignors.)
- Technidyne Corporation. (See Flanzer, J. A., Jones, and Reisman, assignors.)
- Technidyne Corporation. (See Jones, L. L., and Flanzer, assignors.)
- Technidyne Corporation. (See Jones, L. L., and Piazze, assignors.)
- Technidyne Corporation. (See Jones, L. L., and Yolles, assignors.)
- Technidyne Corporation. (See Piazze, Thomas E., assignor.)
- Technova Patents Corporation. (See Blum, Hans J., assignor.)
- Tedham, William F. (See Bowman-Manifold, M., and Tedham.)
- Teeple, Lawrence R., Portland, Oreg. Stoker control switch. Re19,164; May 15.
- Teeple, Lawrence R., Portland, Oreg. Method of and apparatus for controlling the refueling of coal stokers. 1,973,128; Sept. 11.

- Teeter, Wilford H., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,948,012; Feb. 20.
- Teeter, Wilford H., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 1,970,025; Aug. 14.
- Teeter, Wilford H., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 1,970,026; Aug. 14.
- Teetor, Macy O., Newcastle, assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring. 1,963,725; June 19.
- Teetor, Macy O., Hagerstown, assignor of one-half to C. E. Cox, jr., Indianapolis, Ind. Stall indicator for airplanes. 1,976,587; Oct. 9.
- Tector, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Expanding means for pistons. 1,982,706; Dec. 4.
- Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston. 1,985,699; Dec. 25.
- TEFAG Textil Finanz A.-G. (See Rossmann, Rudolf, assignor.)
- Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Desk set mounting. 1,956,084; Apr. 24.
- Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen filling device. 1,980,508; Nov. 13.
- Tefft, Ralph F. (See McGavack, J., and Tefft.)
- Tefft, William W. (See Enz, Karl, assignor.)
- Tefra Co., The. (See McNally, Edwin M., assignor.)
- Teichmann, Charles F. (See Rees, H. V., and Teichmann.)
- Teichmann, Henry F., Washington, Pa. Rotary socket for electric lamps. 1,942,073; Jan. 2.
- Teichmann, Henry F., Washington, Pa. Electric lamp and socket. 1,972,541; Sept. 4.
- Teichmann, Henry F., Washington, Pa. Bottle closure. 1,972,542; Sept. 4.
- Teichmann, Henry F., Washington, Pa. Refrigerator. 1,983,056; Dec. 4.
- Teitscheid, Alfred F., Wharton, N. J. Fuse for projectiles. 1,955,779; Apr. 24.
- Teitscheid, Alfred F., Wharton, N. J. Fuse for projectiles. 1,975,809; Oct. 9.
- Teitscheid, Paul, New Brunswick, N. J. Reading stand. 1,952,297; Mar. 27.
- Tekavec, John, Cleveland, Ohio. Valve reseating tool. 1,977,811; Oct. 23.
- Telautograph Corporation. (See Van Nostrand, Arleigh N., assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Ekman, Olof I. H., assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Haettner, Axel E., assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Laurent, Torbern, assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Löfgren, Erik O., assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Vos, Mauritz, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, O., and Moser, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Burghardt, Ferdinand, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ewald, Wolfgang F., assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gothe, Albrecht, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Güllner, Georg, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gürtler, Rudolf, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hagen, Gerhard B., assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hasenberg, Werner, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Heegner, Kurt, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hermanspann, Paul, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Iberg, Waldemar, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, Günther, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Klaiher, Friedrich, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Klotz, Ernst, and Zenler, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kummer, Wilhelm, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Michelssen, Fritz.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Michelssen, F., and Schröter, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Muth, Herbert.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, M., and Bechmann, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Prinz, Dietrich, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rechnitzer, Rudolf, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roder, Hans, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rohnfeld, Johannes, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rothe, H., and Roosenstein, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rothe, Horst, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rothe, W., and Saar, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, W., Muth, and Prinz, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröder, Heinrich, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, F., and Michelssen, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Simon, H., and Harries, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, Georg, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, G., and Schapira.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Bronk, Otto, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wilde, Kurt, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Zeppler, Erich, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Zetzmann, Hans J., assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches. (See Jobst, Günther, assignor.)
- Telehor Aktien-Gesellschaft. (See von Okolicsanyl, F., and Wikkenhauser, assignors.)
- Teleregister Corporation, The. (See Dorr, C. J., and May, assignors.)
- Teleregister Corporation, The. (See Ewart, James B., assignor.)
- Teleregister Corporation, The. (See Haselton, Merton L., assignor.)
- Teleregister Corporation, The. (See Haselton, Merton L. and P. S., assignors.)
- Teleregister Corporation, The. (See Hicks, Raymond M., assignor.)
- Teleregister Corporation, The. (See Hicks, R. M., and Dorr, assignors.)
- Teleregister Corporation, The. (See Scheidegger, Hans R., assignor.)
- Teletype Corporation. (See Burcky, C. W., and Reiber, assignors.)
- Teletype Corporation. (See Carroll, Howard K., assignor.)
- Teletype Corporation. (See Hulfsb, David S., assignor.)
- Teletype Corporation. (See Krum, H. L., and Reiber, assignors.)
- Teletype Corporation. (See Lake, Ross A., assignor.)
- Teletype Corporation. (See Lake, R. A., and Stoelk, assignors.)
- Teletype Corporation. (See Larson, Edward S., assignor.)
- Teletype Corporation. (See Morgenstern, Oscar A., assignor.)
- Teletype Corporation. (See Morton, S., and Krum, assignors.)
- Teletype Corporation. (See Morton, S., Krum, and Kleinschmidt, assignors.)
- Teletype Corporation. (See Przysiecki, Theodore I., assignor.)
- Teletype Corporation. (See Reiber, Albert H., assignor.)
- Teletype Corporation. (See Reiber, A. H., and Goetz, assignors.)
- Teletype Corporation. (See Sylvester, K. A., and Huber, assignors.)
- Teletype Corporation. (See Zenner, Walter J., assignor.)
- Teletypesetter Corporation. (See Kleinschmidt, Edward E., assignor.)
- Teletypesetter Corporation. (See Potts, Louis M., assignor.)
- Television Laboratories, Inc. (See Farnsworth, Philo T., assignor.)
- Television Laboratories, Ltd. (See Gardner, B. C., and Varian, assignors.)
- Television Limited. (See Baird, John L., assignor.)
- Televoice Corporation of America. (See Keiser, Morris, assignor.)
- Telfer, Edmund V., Newcastle-upon-Tyne, England. Marine screw propeller. 1,943,934; Jan. 16.
- Telford, Worthington S., Duluth, Minn. Traction device. 1,977,900; Oct. 23.
- Telkor, Inc. (See Roe, William C., assignor.)
- Tellegen, Bernardus D. H. (See Holst, G., and Tellegen.)
- Tellegen, Bernardus D. H. (See van der Pol, B., Posthumus, and Tellegen.)
- Tellegen, Bernardus D. H., Eindhoven, Netherlands, assignor to Radio Corporation of America. Convertible band pass receiver. 1,945,096; Jan. 30.

- Tellegen, Bernardus D. H., Eindhoven, Netherlands, assignor to Radio Corporation of America. Screen grid tube circuit. 1,959,010; May 15.
- Teller, George L. (See Kellogg, J. H., and G. L. and W. K. Teller.)
- Teller, George L., Riverside, Ill. Fruit flavored foods. 1,957,053; May 1.
- Teller, Jacob, Chicago, Ill., assignor, by mesne assignments, to Teller Stove Designing Corporation. Stove structure. 1,981,972; Nov. 27.
- Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors, by mesne assignments, to Teller Stove Designing Corporation. Straight-line cooking top range or stove. 1,942,265; Jan. 2.
- Teller, Jacob, New Rochelle, and A. P. Schulz, New York, N. Y., assignors, by mesne assignments, to Teller Stove Designing Corporation. Detachable unit table top electric range. 1,948,402; Feb. 20.
- Teller, Jacob, Chicago, and A. P. Schulz, Berwyn, Ill., assignors, by mesne assignments, to Teller Stove Designing Corporation. Concealed hinge for refrigerators. 1,948,775; Feb. 27.
- Teller, Jacob, New Rochelle, and A. P. Schulz, assignors to Teller Stove Designing Corporation, New York, N. Y. Refrigerator construction. 1,961,022; May 29.
- Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors, by mesne assignments, to Teller Stove Designing Corporation. Separable unit cooking apparatus. 1,973,273; Sept. 11.
- Teller, Jacob, New Rochelle, and A. P. Schulz, New York, N. Y., assignors, by mesne assignments, to Teller Stove Designing Corporation. Gas or electric range. 1,974,222; Sept. 18.
- Teller, Jacob, New Rochelle, and A. P. Schulz, assignors to Teller Stove Designing Corporation, New York, N. Y. Range construction. 1,980,769; Nov. 13.
- Teller, Jacob, New Rochelle, and A. P. Schulz, assignors to Teller Stove Designing Corporation, New York, N. Y. Gas or electric cooking stove and range. 1,981,084; Nov. 20.
- Teller Stove Designing Corporation. (See Teller, Jacob, assignor.)
- Teller Stove Designing Corporation. (See Teller, J., and Schulz, assignors.)
- Teller, W. Kedzie, assignor to Western Bottle Manufacturing Co., Chicago, Ill. Moisture resistant bristles for brushes and the like. 1,953,980; Apr. 10.
- Teller, William K. (See Kellogg, J. H., and G. L. and W. K. Teller.)
- Teller, William R. (See Harmer, Joseph J., assignor.)
- Temple Corporation. (See Bouvier, H. K., and Wells, assignors.)
- Temple, Elmer J., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,947,281; Feb. 13.
- Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Valve mechanism. 1,955,154; Apr. 17.
- Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Combustion regulation. 1,977,024; Oct. 16.
- Temple, Robert B. (See Eksbergian, C. L., and Temple.)
- Temple, Robert B., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Adjustable brake actuator. 1,959,116; May 15.
- Templeton, Bryce O., Queens Village, N. Y., and P. E. Mills, Towaco, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone pay station apparatus. 1,951,887; Mar. 20.
- Templeton, John O., Pittsburgh, Pa. Heat exchanger. 1,974,402; Sept. 18.
- Templeton, Kenly & Co. (See Jakoubek, Frank J., assignor.)
- Templeton, Kenly & Co., Limited. (See Pachowicz, Edmund, assignor.)
- Templeton, Walter B., Chicago, Ill. Adjustable dance floor support. 1,948,600; Feb. 27.
- Templin, Richard L., Parnassus, assignor to Aluminum Company of America, Pittsburgh, Pa. Fatigue testing machine. 1,052,953; Mar. 27.
- Temprite Products Corporation. (See Kellogg, Herbert C., assignor.)
- Ten Bosch, Abraham, Nijmegen, assignor to Naamloze Venootschap: Maatschappij tot Exploitatie van "ten Bosch Octrooien N. V.", Arnhem, Netherlands. Screw press. 1,968,180; July 31.
- Ten Bosch, Abraham, Nijmegen, assignor to Naamloze Venootschap: Maatschappij tot Exploitatie van "ten Bosch Octrooien N. V.", Arnhem, Netherlands. Filter. 1,974,697; Sept. 25.
- Ten Brook, John A., Mount Airy, Pa. Electric fuse device. 1,952,734; Mar. 27.
- Tench, George E., assignor to Central Ice and Cold Storage Company, Huntington Park, Calif. Delivery door for ice vending machines. 1,964,605; June 26.
- Tennant, G. H., Company. (See Pennock, E. M., and Hale, assignors.)
- Tennant Hi-Jack Company. (See Jackson, A., and Tennant, assignors.)
- Tennant, Oscar L. (See Jackson, A., and Tennant.)
- Tennant, Samuel L., Elmira, N. Y., assignor to Williamsport Wire Rope Company, Williamsport, Pa. Rope twisting tool. 1,955,351; Apr. 17.
- Tennessee Copper Company. (See Burns, Roy R., assignor.)
- Tennessee Copper Company. (See Weaver, Lamar, assignor.)
- Tennessee Corporation. (See Martin, Rutherford B., assignor.)
- Tennessee Furniture Corporation. (See Frazier, Robert T., assignor.)
- Tennessee Products Corporation. (See Carlin, J. C., and Krase, assignors.)
- Tenney, Charles I., Minneapolis, Minn. Carbureted water gas generator. 1,961,464; June 5.
- Tenney, Irving L., New York, N. Y. Winding device. 1,979,354; Nov. 6.
- Tenney, Irving L., New York, N. Y. Winding mechanism. 1,979,355; Nov. 6.
- Tenney, Perry L., Lansing, and H. E. Fidler, assignors to General Motors Corporation, Detroit, Mich. Transmission control. Re19,275; Aug. 14.
- Tenny, Henry S., Oakland, Calif., assignor to The Rola Company, Cleveland, Ohio. Electrodynamic speaker. 1,944,725; Jan. 23.
- Tenpas, Reuben J., assignor of one-half to M. W. Uban, Valparaiso, Ind. Coin controlled automatically cooled vending machine. 1,965,864; July 10.
- Tensen, Hugo E. (See Wheelock, A. P., and Tensen.)
- Tensen, Hugo E., Dayton, Ohio, assignor of one-half to A. P. Wheelock, Des Moines, Iowa. Visual acuity testing projector. Des. 92,779; July 10.
- Te Pas, Edmund J., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Thermostatic gas burner. 1,943,045; Jan. 9.
- Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Gaseous fuel control system. 1,956,052; Apr. 24.
- Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Gas burner. 1,972,836; Sept. 4.
- Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Oil burner control. 1,981,479; Nov. 20.
- Te Pas, Edmund J., Lakewood, and E. J. Hansen, assignors to The Cleveland Heater Company, Cleveland, Ohio. Gas burner support. 1,966,899; July 10.
- Terenzi, Philip, Fairfield, Ohio. Floor lamp. Des. 91,473; Feb. 6.
- Ter Horst, William P., Akron, Ohio, assignor to The Nautaguck Chemical Company, Nautaguck, Conn. Treatment of rubber. 1,945,576; Feb. 6.
- Ter Horst, William P., Akron, Ohio, assignor to The Nautaguck Chemical Company, Nautaguck, Conn. Treatment of rubber. 1,945,577; Feb. 6.
- Ter Horst, William P., Akron, Ohio, assignor to The Nautaguck Chemical Company, Nautaguck, Conn. Treatment of rubber. 1,945,578; Feb. 6.
- Teriault, Dolore F., assignor to Great Northern Paper Company, Millinocket, Maine. Mechanism for supporting grindstones. 1,953,912; Apr. 3.
- Terkelsen, Andrew. (See Derry, Jasper, assignor.)
- Terman, Frederick E., Stanford University, Calif. Variable reactance circuit. 1,950,759; Mar. 13.
- Terman, Frederick E., Stanford University, Calif. Loss metering circuit. 1,976,904; Oct. 16.
- Terman, Frederick E., Stanford University, Calif. Thermionic tube. 1,978,918; Oct. 30.
- Ter Meer, Gustav, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Centrifugal separator. 1,943,098; Jan. 9.
- Ter Meer, Gustav, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Centrifugal separator. 1,947,068; Feb. 13.
- Ter Meer, Gustav, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Centrifugal machine. 1,968,181; July 31.
- Ter Meer, Gustav, Munich, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Mechanism for controlling the operation of machines and apparatus. 1,985,589; Dec. 25.
- Ternion A.-G. (See Kassner, Ernst E. W., assignor.)
- Ternstedt Manufacturing Company. (See De Orlow, Stephen, assignor.)
- Ternstedt Manufacturing Company. (See De Orlow, S., and Lakin.)
- Ternstedt Manufacturing Company. (See Earl, Harley J., assignor.)
- Ternstedt Manufacturing Company. (See Field, Herbert C., assignor.)
- Ternstedt Manufacturing Company. (See Hardesty, Francis D., assignor.)
- Ternstedt Manufacturing Company. (See Hibbard, Thomas L., assignor.)
- Ternstedt Manufacturing Company. (See Klein, C. J., and Morgan, assignors.)
- Ternstedt Manufacturing Company. (See Lemm, Bonnie E., assignor.)
- Ternstedt Manufacturing Company. (See Schnell, William, assignor.)
- Ternstedt Manufacturing Company. (See Schnell, W., and Carlson, assignors.)
- Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
- Ternstedt Manufacturing Company. (See Simpson, E. G., Anderson, and Skinner, assignors.)
- Terrasi, Salvatore, Brooklyn, N. Y. Window construction. 1,962,535; June 12.
- Terrel, Stephan H., Rutherford, N. J. Window dressing. 1,970,256; Aug. 14.
- Terrell, Edgar A., assignor to The Terrell Machine Company, Charlotte, N. C. Pneumatic bobbin stripping apparatus and method. 1,968,791; July 31.

- Terrell, Edgar A., assignor to The Terrell Machine Company, Charlotte, N. C. Bobbin stripper. 1,968,803; July 31.
- Terrell, Edgar A., assignor to The Terrell Machine Company, Charlotte, N. C. Bobbin stripper. 1,977,097; Oct. 16.
- Terrell Machine Company, The. (See Terrell, Edgar A., assignor.)
- Terrell, Philip A. H. (See Haid, W. S., and Terrell.)
- Terrét, Henri G., Alfortville, France. Catalytic heating device. 1,956,749; May 1.
- Terrill, Franklin E., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,942,784; Jan. 9.
- Terrio, Frank E. (See Werber, P. J., and Sampson, assignors.)
- Terris, Gordon G., assignor to W. B. McCloud & Company, Chicago, Ill. Moth exterminator. Des. 94,005; Dec. 4.
- Terry, Albert V., Redditch, England. Sculling exerciser. 1,979,716; Nov. 6.
- Terry, Charles M. (See Andrew, L. V., and Terry.)
- Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Valve. 1,945,834; Feb. 6.
- Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Automatic control for stokers. 1,983,416; Dec. 4.
- Terry, Cyril D., Moseley, England. Collision braking device for vehicles. 1,975,026; Sept. 25.
- Terry, Matson C., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Pumping unit for refrigerating apparatus. 1,945,338; Jan. 30.
- Terry, Matson C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 1,950,638; Mar. 13.
- Terry, Robert W., Columbus, Ohio. Biological product and producing the same. 1,979,421; Nov. 6.
- Terry, Victor John. (See Montgomery, Alexander W.)
- Terzian, Harutyun G., assignor to The United Gas Improvement Company, Philadelphia, Pa. Production of mixed oil gas and water gas. 1,949,819; Mar. 6.
- Terzian, Harutyun G., assignor to The United Gas Improvement Company, Philadelphia, Pa. Making gas. 1,956,259; Apr. 24.
- Terzian, Harutyun G., assignor to The United Gas Improvement Company, Philadelphia, Pa. Producing a mixture of oil gas and water gas. 1,963,811; June 19.
- Terzian, Harutyun G., assignor to The United Gas Improvement Company, Philadelphia, Pa. Production of mixed oil gas and water gas. 1,972,804; Sept. 4.
- Terzian, Harutyun G., assignor to The United Gas Improvement Company, Philadelphia, Pa. Making mixed oil gas and water gas. 1,980,115; Nov. 6.
- Tesch, George D., Chicago, Ill. Portable building. 1,970,404; Aug. 14.
- Tessky, Karl, Esslingen-on-the-Neckar, Germany. Device for feeding bar stock to machine tools. 1,954,964; Apr. 17.
- Tessky, Karl, Esslingen, Germany. Antifriction bearing. 1,965,729; July 10.
- Testa, Anthony, Providence, R. I. Perfume dispenser. 1,977,414; Oct. 16.
- Teszner, Stanislas. (See Gerin, G., Branchu, and Teszner.)
- Teszner, Stanislas, Grenoble, France. Device for protection of electric nets against overvoltages. 1,978,969; Oct. 30.
- Tete, Robert F. L., New Orleans, La. Indicator. 1,971,996; Aug. 28.
- Tetlow, Lewis J., Holyoke, Mass. Renewable spark plug. 1,982,034; Nov. 27.
- Tetlow, Lewis J., Holyoke, Mass. Airplane brake. 1,982,035; Nov. 27.
- Tetlow, Lewis J., Holyoke, Mass. Spark plug. 1,984,952; Dec. 18.
- Tetlow, Max W., Milton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Securing shoe parts together. 1,967,337; July 24.
- Tetlow, Max W., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Securing together shoe parts and the like. 1,970,257; Aug. 14.
- Tetrault, Michael, Great Falls, Mont. Electrolytic apparatus. 1,977,499; Oct. 16.
- Tettelbach, Peter. (See Burns, Milfred, assignor.)
- Teupel, Ernst, Leverkusen-I. G.-Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of alkyl halides. 1,950,827; Mar. 13.
- Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Bottle capping machine. 1,942,885; Jan. 9.
- Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Electric switch. 1,958,685; May 15.
- Teves, Alfred. (See Engel, Ernest, assignor.)
- Teves, Alfred, Company. (See Engel, Ernest, assignor.)
- Teves, Alfred, Frankfurt-on-the-Main, Germany. Sectional rotary compressor. 1,984,664; Dec. 18.
- Teves, Alfred, Maschinen- & Armaturenfabrik G. m. b. H. (See König, Wilhelm, assignor.)
- Teves, Martin C. (See de Boer, J. H., and Teves.)
- Teves, Martin C. (See Holst, G., Druyvesteyn, de Boer, and Teves.)
- Tewes, Anthony B., assignor to Papendick, Inc., St. Louis, Mo. Slicing machine. 1,953,277; Apr. 3.
- Texaco Salt Products Company. (See Martin, Otto V., assignor.)
- Texas Company, The. (See Beal, Charles C., assignor.)
- Texas Company, The. (See Behimer, Otto, assignor.)
- Texas Company, The. (See Clarke, Louis A., assignor.)
- Texas Company, The. (See Clarke, L. A., and Cook, assignors.)
- Texas Company, The. (See Cole, H. S., and Cox, assignors.)
- Texas Company, The. (See Cole, H. S., jr., and Cox, assignors.)
- Texas Company, The. (See Cox, Edwin R., assignor.)
- Texas Company, The. (See de Florez, Luis, assignor.)
- Texas Company, The. (See Dixon, Enslo S., assignor.)
- Texas Company, The. (See Drake, R. L., and Titus, assignors.)
- Texas Company, The. (See Dudley, Andrew T., assignor.)
- Texas Company, The. (See Dudley, O. E., and Lucid, assignors.)
- Texas Company, The. (See Gallsworthy, Benjamin, assignor.)
- Texas Company, The. (See Gray, George W., assignor.)
- Texas Company, The. (See Gray, James W., assignor.)
- Texas Company, The. (See Gross, Howard H., assignor.)
- Texas Company, The. (See Hall, Frank W., assignor.)
- Texas Company, The. (See Holmes, W. K., and Dudley, assignors.)
- Texas Company, The. (See Jenkins, V. N., and Stratford, assignors.)
- Texas Company, The. (See Kaufman, Gus, assignor.)
- Texas Company, The. (See Kendall, Marcus T., assignor.)
- Texas Company, The. (See Kizer, Howard W., assignor.)
- Texas Company, The. (See Langworthy, Merton L., assignor.)
- Texas Company, The. (See Mackay, Charles W., assignor.)
- Texas Company, The. (See Manley, Robert E., assignor.)
- Texas Company, The. (See Manley, R. E., and Gross, assignors.)
- Texas Company, The. (See Manley, R. E., and Knoss, assignors.)
- Texas Company, The. (See McCarty, B. Y., and Skelton, assignors.)
- Texas Company, The. (See Moore, William F., assignor.)
- Texas Company, The. (See Oosterhout, Johan C. D., assignor.)
- Texas Company, The. (See Parrigin, H. P., and Currie, assignors.)
- Texas Company, The. (See Powell, Ross C., assignor.)
- Texas Company, The. (See Preston, H. O., and Strowbridge, assignors.)
- Texas Company, The. (See Rees, H. V., and Teichmann, assignors.)
- Texas Company, The. (See Smith, Harris A., assignor.)
- Texas Company, The. (See Stratford, William M., assignor.)
- Texas Company, The. (See Titus, Leon D., assignor.)
- Texas Company, The. (See Towne, Charles C., assignor.)
- Texas Company, The. (See Van Deerlin, R. W., and Urban, assignors.)
- Texas Company, The. (See Webre, Joseph B., assignor.)
- Texas Gulf Sulphur Company. (See Hamor, W. A., and Duecker, assignors.)
- Texas Gulf Sulphur Company. (See Lenander, Nils E., assignor.)
- Texas Harvest Hat Company, Inc. (See Uriwal, Alfons, assignor.)
- Textile Machine Works. (See Autem, Fred, assignor.)
- Textile Machine Works. (See Gastrich, Gustav, assignor.)
- Textile Machine Works. (See Janssen, Henry, assignor.)
- Textile Machine Works. (See Krissiep, Max, assignor.)
- Textile Machine Works. (See Krissiep, M., and Staub, assignors.)
- Textile Machine Works. (See Kroener, Paul F., assignor.)
- Textile Machine Works. (See Meyer, Christian F., assignor.)
- Textile Machine Works. (See Müller, E. M., and Richter, assignors.)
- Textile Machine Works. (See Richter, Max, assignor.)
- Textile Patent & Process Company. (See Cothett, Louis M., assignor.)
- Textor, Clinton K., assignor to The Northwest Paper Company, Cloquet, Minn. Manufacture of pulp. 1,970,258; Aug. 14.
- Thacher, George H., Melrose, Mass. Valve. 1,972,721; Sept. 4.
- Thacher, Sheldon P., Detroit, Mich., assignor to United States Tire Company, Incorporated. Tire. Des. 92,047; Apr. 17.
- Thacher, Sheldon P., assignor to Morgan & Wright, Detroit, Mich. Tire rim. 1,949,501; Mar. 6.
- Thaete, Emelia J. (See Thaete, William L. and E. J.)
- Thaete, William L. and E. J., Denver, Colo. Faucet. 1,953,448; Apr. 3.
- Thaheld, Feri A., Dallas, Tex., assignor, by mesne assignments, to Guiberson Diesel Engine Company, Dover, Del. Internal combustion engine. 1,966,771; July 17.
- Thaheld, Feri A., Dallas, Tex., assignor to Guiberson Diesel Engine Company, Dover, Del. Fastener for rocker box covers. 1,966,772; July 17.

- Thaheld, Feri A., Austria, Tex., assignor, by mesne assignments, to Guiberson Diesel Engine Company, Dover, Del. Fuel pump for internal combustion engines. 1,976,151; Oct. 9.
- Thaheld, Feri A., Dallas, Tex., assignor to Guiberson Diesel Engine Company, Dover, Del. Valve for aeroplane engines. 1,982,126; Nov. 27.
- Thaheld, Feri A., and C. S. Crickmer, Dallas, Tex., assignors, by mesne assignments, to Guiberson Diesel Engine Company, Dover, Del. Air and fuel controlling means for internal combustion engines. 1,985,528; Dec. 25.
- Thal, Adolph F., Elmhurst, Ill. Milling and drying device. 1,977,098; Oct. 16.
- Thalhammer, Karl W., Los Angeles, Calif. Camera attachment. 1,944,476; Jan. 23.
- Thalhammer, Karl W., Los Angeles, Calif. Camera head. 1,948,055; Feb. 20.
- Thalheimer, Samuel J., assignor to Acme White Lead and Color Works, Detroit, Mich. Ant trap. 1,960,464; May 29.
- Tharp, Bessie M., administratrix. (See Crocker, T. F., and Tharp.)
- Tharp, Victor S. (See Crocker, T. F., and Tharp.)
- Thatcher, Arthur G., Boyle, Alberta, Canada. Spoon support means for containers. 1,943,639; Jan. 16.
- Thatcher, Harry S., Oxnard, Calif., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Filter aid. Re19,166; May 15.
- Thatcher, Harry W., assignor to Draper Corporation, Hopedale, Mass. Electric feeler for looms. 1,941,960; Jan. 2.
- Thatcher, Lynn E. (See Bradley, C. C., and Thatcher.)
- Thatcher, William O., Oroville, Calif. Can filling machine. 1,959,937; May 22.
- Thau, Charles K., Brooklyn, N. Y. Hair curling device. 1,953,787; Apr. 3.
- Thauss, Alfred, Cologne-Deutz, G. Mauthe, Cologne-Holweide, and A. Doser, Cologne-Mulheim, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Preparing water-soluble condensation products. 1,946,430; Feb. 6.
- Thayer, Albert R., St. Paul, Minn. Automatic controlled electric time switch. 1,971,799; Aug. 28.
- Thayer, Chester B., Benton Harbor, Mich. Basket making machine. 1,957,035; May 1.
- Thayer, Elwyn C. (See Smith, William F., assignor.)
- Thayer, Reuel H., Los Angeles, assignor to Thayer Telcel Corporation, San Francisco, Calif. Key filing system. 1,948,733; Feb. 27.
- Thayer, Sidney A. (See Doisy, E. A., Thayer, and Veler.)
- Thayer Telcel Corporation. (See Thayer, Reuel H., assignor.)
- Thayer, Warren L. (See Hamburger, W. J., and Thayer.)
- Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Portable vibration indicator. 1,947,280; Feb. 13.
- Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Dynamically balancing machine tools. 1,967,163; July 17.
- Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Balancing rotors. 1,976,588; Oct. 9.
- Thebaud, John E., Collingswood, N. J., assignor, by mesne assignments, to S. Kofsky, Brooklyn, N. Y. Ash receiver for smoking sets. 1,971,022; Aug. 21.
- Thedieck, Fred J. G. (See Kirst, W. E., and Thedieck.)
- Theede, Clarence I., Fremont, Nebr. Lens mounting for eyeglasses. 1,961,992; June 5.
- Thege, Edwin O. P., Stockholm, and H. G. Camner, Berglund, Ektrorp, assignors to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Fuel pump. 1,953,449; Apr. 3.
- Theilengerdes, Frederick, Denver, Colo. Combined spectacle case and memorandum pad holder. 1,955,613; Apr. 17.
- Theiler, Carl and L., Tomahawk, Wis. Plow. 1,951,072; Mar. 13.
- Theiler, Louie. (See Theiler, Carl and L.)
- Theis, Amos H., Lawrenceburg, Ind. Manipulating device. 1,947,282; Feb. 13.
- Theisz, Emil, Budapest, assignor to Egyesült Izzólámpa és Villamosági Részvénytársaság, Újpest, near Budapest, Hungary. Electrodeposition of alkaline earth metal compounds on metal. 1,945,623; Feb. 6.
- Thelander, Carl A. and W. V., Rockford, Ill. Friction clutch. 1,985,301; Dec. 25.
- Thelander, W. V. (See Thelander, Carl A. and W. V.)
- Theler, Frederick J. (See Caster, J. E., Theler, and Barrere.)
- Then, Albert, administrator. (See Then, Joseph.)
- Then, Joseph, deceased, Minneapolis, Minn., Albert Then, administrator. Toy novelty. 1,973,549; Sept. 11.
- Thenoz, Raymond A. J., Milan, Italy, assignor to Ruth-Aldo Company, Inc. Process and apparatus for producing dull luster rayon. 1,944,378; Jan. 23.
- Theobald, Thomas O., Detroit, Mich. Automobile. Des. 93,952; Nov. 27.
- Theodorou, Peter, et al. (See Orfanoson, George J., assignor.)
- Theodorsen, Theodore, Langley Field, Va. Analysis of electric currents by thermal effects. 1,981,007; Nov. 20.
- Theodos, Vangel, San Francisco, Calif. Car track crossing. 1,979,583; Nov. 6.
- Theologus, Anthony, assignor to A. O. Smith Corporation, Milwaukee, Wis. Ingot buggy. 1,962,848; June 12.
- Theriot, James E., San Jose, Calif. Lock. 1,947,813; Feb. 20.
- Thermador Electrical Manufacturing Company. (See Hoffman, George D., assignor.)
- Thermal Engineering Corporation. (See Smith, H. L., Jr., and Jones, assignors.)
- Thermal Industrial & Chemical (T. I. C.) Research Company, Limited. (See Condrup, Carl O., assignor.)
- Thermal Syndicate Limited. (See Paget, Richard A. S., assignor.)
- Thermatomic Carbon Company. (See Miller, Carroll, assignor.)
- Therminul Corporation of America, The. (See Shaver, George D., assignor.)
- Thermo Electric Company. (See Hermann, Otto, assignor.)
- Thermo Service Company, Inc., The. (See Schroeder, Bernard A., assignor.)
- Thermo Service Company, Inc., The. (See Tighe, Thomas, Jr., assignor.)
- Thermoid Rubber Company. (See Ogren, Carl F., assignor.)
- Thew Shovel Company, The. (See Scott, Harry E., assignor.)
- Thewes, William O., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Thread cutting device. 1,956,182; Apr. 24.
- Thewes, William O., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Die stock. 1,973,231; Sept. 11.
- Thewes, William O., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Workholder. 1,973,232; Sept. 11.
- Thibault, Emile, Paris, France. Windshield cleaner. 1,953,731; Apr. 3.
- Thickens, Richard E., Menasha, Wis., assignor to Dexter Folder Company, New York, N. Y. Attachment for printing presses. 1,957,559; May 8.
- Thiebaut, James R., assignor to Raisin and Thiebaut Bros. Ltd., San Francisco, Calif. Container. 1,968,270; July 31.
- Thiele, Ernest W. (See Bablke, W. H., and Thiele.)
- Thiele, Ernest W., Chicago, Ill., assignor to Standard Oil Company, Indiana, Whiting, Ind. Preheating chamber. 1,947,319; Feb. 13.
- Thiele, Ernest W., assignor to Standard Oil Company, Chicago, Ill. Distillation of hydrocarbons. 1,952,639; Mar. 27.
- Thieme, Erna, geboren Overhoff, Amsterdam-Oost, Netherlands. Card index. 1,952,298; Mar. 27.
- Thieme, Otto, West Hartford, Conn. Beverage maker and method. 1,984,047; Dec. 11.
- Thieme, Otto, Hartford, Conn., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,962,470; June 12.
- Thieme, Otto, Hartford, Conn., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,968,972; Aug. 7.
- Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,971,544; Aug. 28.
- Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,973,516; Sept. 11.
- Thieme, Paul, Kopenick, Wendenschloss, Germany, assignor to General Electric Company. Electric circuit breaker. 1,953,788; Apr. 3.
- Thierbach, Dietwald, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Wireless transmission of telegraph impulses. 1,942,586; Jan. 9.
- Thierbach, Dietwald, Berlin-Spandau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Transmission system. 1,968,106; July 31.
- Thies, Anthony G. (See Parr, E. D., and Schwarte, assignors.)
- Thinius, Kurt. (See Weihe, A., and Thinius.)
- Thiry, Leon, Huy, Belgium. Manufacturing oscillating joints. 1,961,536; June 5.
- Thode, William N., assignor to Seiders-Mather Corporation, Chicago, Ill. Paper crimping device. 1,954,965; Apr. 17.
- Thoen, Lowell H., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Windrow adapter. 1,943,565; Jan. 16.
- Thoen, Lowell H., Alameda, assignor to Caterpillar Tractor Co., San Leandro, Calif. Land vehicle. 1,962,536; June 12.
- Thoennes, George M., Sturtevant, Wis. Closure fastener. 1,963,180; June 19.
- Tholl, John F., Needham, assignor to American Tool and Machine Company, Boston, Mass. Stabilizer for centrifugal extractors and the like. 1,966,420; July 10.
- Tholstrup, Henry, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Converter. 1,979,422; Nov. 6.
- Thom, George L., assignor to Charles Pump Company, Chicago, Ill. Pneumatic water system. 1,941,766; Jan. 2.
- Thom, James C., Chicago, Ill., assignor to United States Tobacco Company, New York, N. Y. Label assembly mechanism and method. 1,976,971; Oct. 16.

- Thom, James C., Chicago, Ill., assignor to United States Tobacco Company, New York, N. Y. Package and making the same. 1,978,035; Oct. 23.
- Thoma, Andrew, assignor to North American Chemical Company, Cambridge, Mass. Shoe bottom filling apparatus. 1,980,946; Nov. 13.
- Thomä, Friedrich, Ludenscheid, Germany. Nipple fastener for nursing bottles. 1,950,702; Mar. 13.
- Thoma, Valentine L., Pittsburgh, Pa. Window sash. 1,969,995; Aug. 14.
- Thoma, Walter, Hasbrouck Heights, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Edge curling machine. 1,945,579; Feb. 6.
- Thomae, Carlos, assignor to ISO Gesellschaft m. b. H., Frankfurt-on-the-Main, Germany. Producing a prepared breaking point in ampullae. 1,951,743; Mar. 20.
- Thomander, Veron S., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical instrument. 1,982,333; Nov. 27.
- Thomann, Frederick A. (See Neighbour, L. B., and Thomann.)
- Thomann, Frederick A., East Moline, assignor to Deere & Company, Moline, Ill. Cotton harvester. 1,959,070; May 15.
- Thomann, Frederick A., East Moline, assignor to Deere & Company, Moline, Ill. Cotton harvester. 1,978,888; Oct. 30.
- Thomann, Robert, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Two-cycle internal combustion engine. 1,973,859; Sept. 18.
- Thomas, A. J., et al. (See Arsenault, L. M., and Hutchinson, assignors.)
- Thomas, Adolph A., New York, N. Y. Automobile bumper. Des. 92,216; May 8.
- Thomas, Adolph A., New York, N. Y. Electric phonograph reproducer. 1,958,386; May 8.
- Thomas, Adolph A., New York, N. Y. Current controlling apparatus. 1,969,955; Aug. 14.
- Thomas, Adolph A., New York, N. Y. Electric transmitting and receiving apparatus. 1,975,486; Oct. 2.
- Thomas, Adolph A., New York, N. Y. Lifting and parking attachment for automobiles. 1,976,308; Oct. 9.
- Thomas, Adolph A., New York, N. Y. Piezo-electric transmitter and recorder. 1,980,888; Nov. 13.
- Thomas, Adolph A., New York, N. Y. Photo-electric cell. 1,984,777; Dec. 18.
- Thomas, Adolph A., New York, N. Y., assignor to The American Thermos Bottle Company, Norwich, Ohio. Double-walled vacuum bottle. 1,961,403; June 5.
- Thomas, Adolph A., New York, N. Y., assignor to American Telephone and Telegraph Company. Acoustic diaphragm. 1,980,235; Nov. 13.
- Thomas, Albert G., Lynchburg, Va. Oil dispensing vessel. 1,953,200; Apr. 3.
- Thomas, Albert G., Lynchburg, Va. Viscosimeter. 1,960,465; May 29.
- Thomas, Albert R., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigerating system. 1,964,391; June 26.
- Thomas, Albert R., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,974,728; Sept. 25.
- Thomas, Albert R., assignor to Electrolux Servel Corporation, New York, N. Y. Absorption type refrigerating system. 1,976,202; Oct. 9.
- Thomas, Albert R., and R. S. Taylor, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,950,703; Mar. 13.
- Thomas, Alvin R., Chicago, Ill. Golf game. 1,959,882; May 22.
- Thomas, Arthur. (See Smith, N. G., and Thomas.)
- Thomas, Arthur, Thornton Heath, and R. C. E. Blamey, Purley Oaks, assignors to The Accounting & Tabulating Corporation of Great Britain Limited, London, England. Keyboard operated machine. 1,983,154; Dec. 4.
- Thomas, Arthur, Thornton Heath, and F. G. S. English, West Croydon, assignors to The Accounting & Tabulating Corporation of Gt. Britain Limited, London, England. Paper feed mechanism for tabulating or other printing machines. 1,985,331; Dec. 25.
- Thomas, Arthur W., New York, and M. Mattikow, Brooklyn, N. Y. Vegetable jelly composition. 1,946,649; Feb. 13.
- Thomas, August, assignor to Anker-Werke Aktiengesellschaft, Bielefeld, Germany. Thread drawing machine. 1,984,501; Dec. 18.
- Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)
- Thomas, Charles A., assignor, by mesne assignments, to Dayton Synthetic Chemicals, Inc., Dayton, Ohio. Prepared resin. 1,947,626; Feb. 20.
- Thomas, Charles A., assignor to Dayton Synthetic Chemicals, Incorporated, Dayton, Ohio. Prepared resin. 1,982,707; Dec. 4.
- Thomas, Charles A., and C. A. Hochwalt, assignors to Thomas & Hochwalt Laboratories, Inc., Dayton, Ohio. Composition for removing carbon deposits. 1,949,588; Mar. 6.
- Thomas, Charles A., Dayton, Ohio, and J. F. Olin, Newtown Square, assignors to The Sharples Solvents Corporation, Philadelphia, Pa. Preparing acid amides. 1,954,433; Apr. 10.
- Thomas, Charles A., Dayton, and J. H. Swan, 3d., assignors to The Gardner-Richardson Company, Middletown, Ohio. Paper manufacture. 1,957,370; May 1.
- Thomas, Charles A., and C. A. Hochwalt, assignors to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,973,734; Sept. 18.
- Thomas, Charles A., and W. H. Carmody, assignors to Dayton Synthetic Chemicals, Inc., Dayton, Ohio. Resin from petroleum hydrocarbons. 1,982,708; Dec. 4.
- Thomas, Charles E. (See McCollum, B. F., and Thomas.)
- Thomas, Charles H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Ray intensity meter system. 1,961,717; June 5.
- Thomas, Charles W., Tenafly, N. J. Metal construction section. 1,960,961; May 29.
- Thomas, Clifford A., Yakima, Wash. Vegetable cutter. 1,945,239; Jan. 30.
- Thomas, Clinton G. (See Nachtman, J. S., and Thomas.)
- Thomas Construction Corporation. (See Tronolone, Frank W., assignor.)
- Thomas, David W., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Pipe protector. 1,980,364; Nov. 13.
- Thomas, De Witt C., Austin, Minn. Rotary internal combustion engine. 1,952,149; Mar. 27.
- Thomas, Doctor E., Fairmont, W. Va. Tire chain applying and removing mechanism. 1,981,291; Nov. 20.
- Thomas, Earl R., Palisades Park, N. J. Electric cable. 1,955,692; Apr. 17.
- Thomas, Edgar B., Connersville, Ind. Fishing float. 1,973,028; Sept. 11.
- Thomas, Edward, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electrical switch. 1,984,710; Dec. 18.
- Thomas, Edward B. (See Bader, W., and Thomas.)
- Thomas, Edward B. (See Oxley, H. F., Groombridge, and Thomas.)
- Thomas, Edward B., W. H. Groombridge, and H. F. Oxley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Preparation of acetic acid. 1,985,750; Dec. 25.
- Thomas, Edward G., deceased, Toledo, Ohio; Mabel O. Thomas, executrix. Weight controlling apparatus. 1,961,178; June 5.
- Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Testing device. 1,941,818; Jan. 2.
- Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,984,606; Dec. 18.
- Thomas, Edward L., Spokane, Wash. Receptacle lifter. 1,964,392; June 26.
- Thomas, Edwin C. (See Marshall, J. M., and Thomas.)
- Thomas, Ernest R., et al. (See La Londe, Frederick J., assignor.)
- Thomas, Errol B., Newton, Mass. Filling mechanism and method. 1,946,298; Feb. 6.
- Thomas, Errol B., Newton, Mass. Absorbent material and making the same. 1,959,845; May 22.
- Thomas, Frank. (See Myers, W., and Thomas.)
- Thomas, Frank B. (See Hewitt, E. E., Thomas, and Fitch.)
- Thomas, Frank B., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety control equipment. 1,964,094; June 26.
- Thomas, Frank B., Forest Hills, and E. E. Hewitt and E. R. Fitch, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake device. 1,960,323; May 29.
- Thomas, Frank M., Easton, Pa., assignor to Warren Foundry and Pipe Corporation, Phillipsburg, N. J. Lifting device. 1,956,231; Apr. 24.
- Thomas, Frank M., Easton, Pa., assignor to Warren Foundry and Pipe Corporation, Phillipsburg, N. J. Core machine. 1,956,232; Apr. 24.
- Thomas, Frederick C. (See Moushon, Richard S., assignor.)
- Thomas, Fritz H. (See Sanford, H. W., and Thomas.)
- Thomas, George. (See Lewis, W. T., and Thomas.)
- Thomas, George F., Riverside, and J. Bystricky, assignors to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,968,231; July 31.
- Thomas, George F., Riverside, and J. Bystricky, assignors to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,977,654; Oct. 23.
- Thomas, George P., Glenshaw, Pa. Eye protector. 1,953,320; Apr. 3.
- Thomas, George P., Glenshaw, Pa. Drilling apparatus. 1,958,552; May 15.
- Thomas, Gershon E., assignor of one-half to J. Christian, Germantown, Pa. Foldable luggage carrier. 1,946,368; Feb. 6.
- Thomas, Gordon E., et al. (See La Londe, Frederick J., assignor.)
- Thomas, Harry, Victoria, British Columbia, Canada. Saw guard. 1,983,582; Dec. 11.
- Thomas, Henry, Barking, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Knife guard for slicing machines. 1,960,930; May 29.
- Thomas, Henry, Barking, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Guard for slicing machines. 1,960,931; May 29.
- Thomas & Hochwalt Laboratories, Inc. (See Thomas, C. A., and Hochwalt, assignors.)
- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Combustion chamber for Diesel engines. 1,943,495; Jan. 16.

- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Clutch throw-out bearing. 1,947,428; Feb. 13.
- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Automatic variable speed transmission. 1,950,580; Mar. 13.
- Thomas, Horace T., Lansing, Mich., assignor to Reo Motor Car Company. Variable speed transmission mechanism. 1,950,581; Mar. 13.
- Thomas, Horace T., and A. B. Hays, Lansing, Mich. Transmission control mechanism for motor vehicles. 1,947,235; Feb. 13.
- Thomas, James A., Los Angeles, Calif. Valve. 1,943,401; Jan. 16.
- Thomas, Jean, Ridgewood, N. J. Steam cooker. 1,958,978; May 15.
- Thomas, Jesse D., St. Petersburg, Fla. Gas producer. 1,945,464; Jan. 30.
- Thomas, John. (See Fairweather, D. A. W., and Thomas.)
- Thomas, John H. (See Barraja-Frauenfelder, J., Magee, Thomas, and Krug.)
- Thomas, John R., Wilkes-Barre, Pa. Holder. 1,948,403; Feb. 20.
- Thomas, John W., Bethlehem, Pa., assignor to O. W. Jeffery and H. G. Kimball, New York, N. Y. Handling pulverized coal and the like. 1,970,405; Aug. 14.
- Thomas, Joseph R., Chicago, Ill., assignor of one-half to The Rome Company, Inc. Folding bed. 1,976,753; Oct. 16.
- Thomas, Kenneth F. (See Penrose, G. A., Thomas, and Penrose.)
- Thomas, Laurence H. (See Kuhn, F., and Thomas.)
- Thomas, Leo B., Swampscott, Mass. Rotary engine and pump. 1,944,956; Jan. 30.
- Thomas, Leslie G., Englewood, N. J., assignor to De Jur-Amsco Corporation, New York, N. Y. Variable condenser. 1,947,069; Feb. 13.
- Thomas, Mabel O., executrix. (See Thomas, Edward G.)
- Thomas, Max. (See Gaidies, G., Tarjan, and Thomas.)
- Thomas-Morse Aircraft Corporation. (See Panceo, George W., assignor.)
- Thomas, Noah T., assignor to Hartford Faience Company, Hartford, Conn. Lighting fixture. 1,947,118; Feb. 13.
- Thomas, Norman M., assignor to Joe Lowe Corporation, Brooklyn, N. Y. Confectionery product. Des. 92,987; Aug. 7.
- Thomas, Owen W. (See Jessen, J., and Thomas.)
- Thomas, Paul G., Middlebranch, Ohio. Cigarette. 1,945,207; Jan. 30.
- Thomas, Percy H., Upper Montclair, N. J. Magnetic ore separator for wet and other operations. 1,948,080; Feb. 20.
- Thomas, Peter, Seattle, Wash. Convertible sitting or reclining quarters for motor truck relief drivers. 1,968,232; July 31.
- Thomas, Philip R. (See Marriage, W. F., and Thomas.)
- Thomas, Phillips. (See Kintner, S. M., and Thomas.)
- Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Traffic control system. 1,942,266; Jan. 2.
- Thomas, R., and Sons Company, The. (See Vincent, H. B., and Sleeman, assignors.)
- Thomas, Ralph W. (See Gotham, Stephen J., assignor.)
- Thomas Raymond E. (See Bateman, A. W., and Thomas.)
- Thomas, Raymond G., U. S. Navy. Bunk. 1,944,909; Jan. 30.
- Thomas, Richard. (See Savage, J., Holt, and Thomas.)
- Thomas, Richard, assignor of one-half to W. J. Bryan, Jr., Los Angeles, Calif. Double lens system. 1,949,339; Feb. 27.
- Thomas, Rossell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Apparatus for proportioning and mixing gases. 1,967,164; July 17.
- Thomas, Rossell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Positive check valve. 1,967,981; July 24.
- Thomas, Rossell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Pressure ratio regulator. 1,977,925; Oct. 23.
- Thomas, Rossell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Gas mixing apparatus. 1,980,770; Nov. 13.
- Thomas, Roy. (See Gray, C. M., Thomas, and Carr.)
- Thomas, Roy, Los Angeles, Calif. Torch tip construction. 1,977,782; Oct. 23.
- Thomas, Sanford E., Spencer, Ind. Mouse and rat trap. 1,948,601; Feb. 27.
- Thomas, Spencer W., Trenton, Nebr. Emasculator. 1,978,150; Oct. 23.
- Thomas, Stuart J., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Condenser. 1,950,760; Mar. 13.
- Thomas, Thomas H. (See Farmer, C. C., and Thomas.)
- Thomas, Thomas H., deceased, Edgewood, by The Westinghouse Air Brake Company, Wilmerding, Pa., assignee. Split reduction device. Re19,313; Sept. 11.
- Thomas, Thomas R., New York, N. Y., assignor to Auto Research Corporation. Clutch control lubrication. 1,946,507; Feb. 13.
- Thomas, Urvig G., assignor to Eclipse Counterbore Company, Detroit, Mich. Tool holder. 1,975,215; Oct. 2.
- Thomas, Urvig G., assignor to Eclipse Counterbore Company, Detroit, Mich. Drive coupling. 1,975,877; Oct. 9.
- Thomas, Vernon H., Dallas, Tex. Erection of aerial transmission lines. 1,972,049; Aug. 28.
- Thomas, Wesley A., Memphis, Tenn. Combination chair. 1,954,604; Apr. 10.
- Thomas, Wilfred A., Sturgis, Mich. Sharpening device for lawn mowers. 1,962,537; June 12.
- Thomas, William, Bogota, N. J., assignor to Pneumercator Company, New York, N. Y. Level regulator for viscous liquids. 1,981,530; Nov. 20.
- Thomas, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,964,371; June 26.
- Thomas, William D., Lynnfield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pad box. 1,964,833; July 3.
- Thomas, William L., Haverstraw, N. Y., assignor to The New York Central Railroad Company. Vehicle loading means for box cars. 1,978,287; Oct. 23.
- Thomas, William M., Los Angeles, Calif. Lens structure with prisms. 1,957,371; May 1.
- Thomas, William M., Los Angeles, Calif. Double lens structure. 1,984,953; Dec. 18.
- Thomas, William M., Los Angeles, Calif. Projector system and detail. 1,985,470; Dec. 25.
- Thomas, William M., Los Angeles, Calif. Attachment for projecting apparatus. 1,985,471; Dec. 25.
- Thomas, William R. (See Jones, K. D., and Thomas.)
- Thomas, William R., Los Angeles, Calif. Food. 1,950,935; Mar. 13.
- Thomas, William S., Montoursville, Pa. Water heater. 1,944,817; Jan. 23.
- Thomas, Willis P. (See Brelsford, H. E., Thomas, and Snow.)
- Thomas, Willis P. (See Howse, C. L., and Thomas.)
- Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. Re19,296; Aug. 28.
- Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,944,325; Jan. 23.
- Thomas, Wingate S., assignor to Knapp Bros. Mfg. Co., Chicago, Ill. Junction box. 1,948,833; Feb. 27.
- Thomasma, Harry, Grand Rapids, Mich. Seat cover package. 1,978,515; Oct. 30.
- Thomasson, A. R. (See Elms, John E., assignor.)
- Thomay, John, Columbus, Ohio. Pictorial game apparatus. 1,972,206; Sept. 4.
- Thometz, Harry M., Oak Park, Ill. Inhaler. 1,985,001; Dec. 18.
- Thommen, Hans. (See Rump, S., and Thommen.)
- Thompsett, Harry A., Ealing, London, and E. Chiffey, South Harrow, Middlesex, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England. Automatic control device for talking machine. 1,949,890; Mar. 6.
- Thompsett, Harry A., Ealing, London, and J. I. George, Hayes, England, assignors to Victor Talking Machine Company. Talking machine. 1,967,599; July 24.
- Thompson, Albert J., Long Beach, Calif. Spoon. Des. 92,138; May 1.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Can handling apparatus. 1,948,435; Feb. 20.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Can grader. 1,949,767; Mar. 6.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Adjustable-can-track cooker. 1,959,895; May 22.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Filling valve for sirupers. 1,962,161; June 12.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Fruit cleaning machine. 1,973,917; Sept. 18.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for drying fruit. 1,974,128; Sept. 18.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Pressure cooker, cooler, and the like. 1,976,754; Oct. 16.
- Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Pressure-cooker valve. 1,978,656; Oct. 30.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Fruit and vegetable peeler. 1,982,709; Dec. 4.
- Thompson, Albert R., and K. Omsted, San Jose, assignors, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Method of and apparatus for classifying fruit and vegetables. 1,943,278; Jan. 9.
- Thompson, Allison J., Cleveland, Ohio. Mercury vapor lamp. 1,962,106; June 5.
- Thompson, Arnold, Teaneck, N. J. Smoke treating means. 1,952,735; Mar. 27.
- Thompson, Arthur S., Ontario, Calif. Vehicle body construction. 1,980,559; Nov. 13.
- Thompson, Augustus F., Huntington, W. Va. Fuel economizer. 1,961,308; June 5.
- Thompson Bros. Shoe Company. (See Sabel, I., and MacDonald, assignors.)
- Thompson, Campbell G. (See Clark, Roy A., assignor.)
- Thompson, Carl B., assignor to Bendix Brake Company, South Bend, Ind. Brake band. 1,947,887; Feb. 20.
- Thompson, Carl B., assignor to The Lubrication Corporation, South Bend, Ind. Extracting fittings. 1,951,537; Mar. 20.

- Thompson, Carl B., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 1,958,217; May 8.
- Thompson, Carl B., and O. B. Clark, assignors to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,960,518; May 29.
- Thompson, Charles A., Mount Holly, and R. E. Underwood, Rancocas, N. J. Liquid spray machine. 1,974,166; Sept. 18.
- Thompson, Charles S., State Line, assignor to The Manufacturers Light and Heat Company, Pittsburgh, Pa. Apparatus and method of utilizing energy normally wasted in reducing the pressure of fluids. 1,946,182; Feb. 6.
- Thompson, Charles S., Elmhurst, assignor to Union Special Machine Company, Chicago, Ill. Resilient mounting for sewing machines or the like. 1,948,193; Feb. 20.
- Thompson, Charles S., Elmhurst, assignor to Union Special Machine Company, Chicago, Ill. Fabric supporting tray for sewing machines. 1,961,993; June 5.
- Thompson, Chester D., assignor to The Ensign-Bickford Co., Simsbury, Conn. Electric fuse. 1,956,839; May 1.
- Thompson, Clark H. (See Kraft, Leon, and Thompson.)
- Thompson, Clifford F. (See D'Almaine, H., and Thompson.)
- Thompson, Clinton O. (See Martens, F. J., and Thompson.)
- Thompson, Donald C. (See Breakell, J., Thompson, and La Brie.)
- Thompson, Earl A., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Synchronized transmission mechanism. 1,944,331; Jan. 23.
- Thompson, Earl A., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Timing control for synchronized power transmissions. 1,950,639; Mar. 13.
- Thompson, Earl A., Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich. Transmission with tapered roller bearings. 1,970,716; Aug. 21.
- Thompson, Earl A., assignor to General Motors Corporation, Detroit, Mich. Clutch mechanism for transmissions. 1,982,769; Dec. 4.
- Thompson, Earl A., and M. Olley, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. 1,957,115; May 1.
- Thompson, Edmund B., Los Angeles, Calif. Hand signal. 1,952,480; Mar. 27.
- Thompson, Elliott R., Wycombe, Pa. Sewing machine. 1,976,755; Oct. 16.
- Thompson, Ellis, West Asheville, N. C. Curtain and drapery fixture. 1,953,450; Apr. 3.
- Thompson, Elmer B., assignor to Swanson & Thompson, Des Moines, Iowa. Control device for lifts. 1,961,465; June 5.
- Thompson, Ernest H., Hubbard Woods, assignor to Johnson Fare Box Co., Chicago, Ill. Fare collection system. 1,945,835; Feb. 6.
- Thompson, Frank E., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Key ejecting means for cylinder locks. 1,946,722; Feb. 13.
- Thompson, Frank W., New Philadelphia, assignor to The Reeves Manufacturing Company, Dover, Ohio. Galvanizing machine. 1,963,106; June 19.
- Thompson, Fred C., Detroit, Mich., assignor, by mesne assignments, to Automotive Research Corporation. Clutch arrangement for change speed devices. 1,952,954; Mar. 27.
- Thompson, Fred C., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Change speed device. 1,966,874; July 17.
- Thompson, Fred C., Detroit, Mich., assignor, by mesne assignments, to Automotive Research Corporation. Gear transmission. 1,975,300; Oct. 2.
- Thompson, George S., and W. G. Bagley, Pueblo, assignors to The Colorado Fuel and Iron Company, Denver, Colo. Burner. 1,960,685; May 29.
- Thompson, Gustave R. (See Bergmann, Carl, assignor.)
- Thompson, Gustave W., Sayville, and E. H. Sheaff, Brooklyn, assignors to National Lead Company, New York, N. Y. Refining white metal scrap. 1,954,463; Apr. 10.
- Thompson, Gustavus W., Syracuse, N. Y. Golf club head. Des. 91,336; Jan. 9.
- Thompson, Gustavus W., Syracuse, N. Y. Doorstop. 1,958,807; May 15.
- Thompson, Harry A., North Hollywood, Calif. Fluid-operated gearing. 1,944,018; Jan. 16.
- Thompson, Harry E., assignor to Universal Cooler Corporation, Detroit, Mich. Evaporator. 1,952,827; Mar. 27.
- Thompson, Harry W., et al. (See Udell, Earl L., assignor.)
- Thompson, Harry W., Richmond, and J. T. Rutherford, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Hydrolyzing acid sludge. 1,975,131; Oct. 2.
- Thompson, Henry, Centralia, Wash. Tire rim. 1,953,278; Apr. 3.
- Thompson, Herbert, Hollandale, Miss. Automobile desk. 1,951,261; Mar. 13.
- Thompson, Herbert H. (See Carlson, B., and Thompson.)
- Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,966,939; July 17.
- Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for decreasing rail contact resistance. 1,972,749; Sept. 4.
- Thompson, Howard E. (See Albanese, G., and Thompson.)
- Thompson, Howard R., Des Moines, Iowa. Golf tee. 1,942,672; Jan. 9.
- Thompson, James C., Perry, Iowa. Rotary registering device. 1,942,621; Jan. 9.
- Thompson, James D., Duluth, Minn. Clip bagging machine. 1,944,041; Jan. 16.
- Thompson, James F. (See Davis, A. B., Thompson, and Gardner.)
- Thompson, James H. (See Evers, N., Eastland, and Thompson.)
- Thompson, James S., New Rochelle, assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Grate. 1,941,919; Jan. 2.
- Thompson, James S., New Rochelle, assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Grate bar. 1,944,332; Jan. 23.
- Thompson, James S., New Rochelle, assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Grate. 1,954,107; Apr. 10.
- Thompson, James S., New Rochelle, assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Grate. 1,955,035; Apr. 17.
- Thompson, James S., New Rochelle, assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Grate construction. 1,959,117; May 15.
- Thompson, Jennie B., Pasadena, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Plum. Pl. Pt. 111; Nov. 13.
- Thompson, John. (See Frederick, T. S., and Wooden, assignors.)
- Thompson, John, Chilton, Wis. Locking bung. 1,977,100; Oct. 16.
- Thompson, John, assignor of one-half to G. C. Hume, Chilton, Wis. Locking bung. 1,985,116; Dec. 18.
- Thompson, John E., Paisley, Ontario, Canada. Airplane propeller. 1,947,365; Feb. 13.
- Thompson, John H., Glendale, Calif. Apparatus for forming nodules and the like. 1,977,099; Oct. 16.
- Thompson, John L., Berkeley, Calif. Safety light. 1,965,865; July 10.
- Thompson, John W., Chicago, Ill. Marketing and means for shipping paints, etc. 1,944,042; Jan. 16.
- Thompson, John W., New York, N. Y., assignor to Evans Case Company, North Attleboro, Mass. Enclosing device for cigarettes and the like. 1,957,302; May 1.
- Thompson, Joseph C., Jr., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Purifying zinc sulphate solutions. 1,973,300; Sept. 11.
- Thompson, Joseph S., San Francisco, Calif. Doll. Des. 93,584; Oct. 9.
- Thompson, Leroy J., Grand Rapids, Mich. Seal. 1,979,356; Nov. 6.
- Thompson, Leslie E. (See Taylor, G. E., and Thompson.)
- Thompson, Lester O., Oklahoma City, Okla. Fusible blow-out plug. 1,948,056; Feb. 20.
- Thompson, Lincoln, Naugatuck, Conn., assignor, by mesne assignments, to Radio Corporation of America. Amplifying tube and operating same. 1,983,714; Dec. 11.
- Thompson, Lon, Chicago, Ill. Marking loaves of bread or the like. 1,977,460; Oct. 16.
- Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical distribution system. 1,959,181; May 15.
- Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical resistance device. 1,971,204; Aug. 21.
- Thompson, Lynden E., assignor to M. T. Thornton, Lompoc, Calif. Irrigation pipe joint. 1,943,496; Jan. 16.
- Thompson, Lyndon G. (See McKesson, C. L., Thompson, and Buckley.)
- Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
- Thompson, Marvin R., Baltimore, Md., assignor to Abbott Laboratories, North Chicago, Ill. Preparation of ergot and making same. 1,967,564; July 24.
- Thompson, Maude W., executrix. (See Wilcomb, John F.)
- Thompson, Milton T., Upper Montclair, N. J. Golf ball practice machine. 1,971,057; Aug. 21.
- Thompson, Morgan J. (See Davison, S. W., and Thompson.)
- Thompson, Morris T., Turtleford, Saskatchewan, Canada. Sleigh runner. 1,957,372; May 1.
- Thompson, Nat. (See Nelson, E. R., and Thompson.)
- Thompson, Nelson W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Tubular heater. 1,962,262; June 12.
- Thompson, Newton B., Wilson, Ark. Vehicle trailer construction. 1,980,015; Nov. 6.
- Thompson, Nicholas P. (See Brohasek, A., Thompson, and Catsanos.)
- Thompson, O. E., & Sons. (See Helm, Charles J., assignor.)
- Thompson, Olof, assignor to Takamine Corporation, Long Island City, N. Y. Relay. 1,944,957; Jan. 30.
- Thompson, Olof, assignor to Takamine Corporation, Long Island City, N. Y. Motor structure. 1,974,934; Sept. 25.
- Thompson, Orville J., and J. C. Heber, Franklin, Pa., assignors to Charles N. Hough Manufacturing Company. Pump packing. 1,973,585; Sept. 11.

- Thompson, Oscar T. (See Greiner, C. H., and Thompson.)
- Thompson, Parke H. (See Headley, B. T., and Thompson.)
- Thompson Patents Corporation. (See Thompson, Roy E., assignor.)
- Thompson, Paul M., Augusta, Ga. Cloth winding and unwinding apparatus. 1,959,846; May 22.
- Thompson Products, Inc. (See Burkhardt, Otto M., assignor.)
- Thompson Products, Incorporated. (See Butler, Clyde G., assignor.)
- Thompson Products, Incorporated. (See Colwell, Archie T., assignor.)
- Thompson Products Incorporated. (See Graham, Matthew P., assignor.)
- Thompson Products, Incorporated. (See Harris, Cleo, assignor.)
- Thompson Products, Incorporated. (See Hufford, George H., assignor.)
- Thompson Products, Incorporated. (See Hufford, G. H., and Graham, assignors.)
- Thompson Products, Incorporated. (See Ingersoll, George B., assignor.)
- Thompson Products, Incorporated. (See Kelleher, D., and McBride, assignors.)
- Thompson Products Incorporated. (See McBride, E. A., Kelleher, and Lerch, assignors.)
- Thompson Products, Incorporated. (See Spire, William H., assignor.)
- Thompson, Richard A., Ann Arbor, Mich. Broaching machine. 1,958,501; May 15.
- Thompson, Richard C. (See Jenkins, J. M. Thompson, and McNeal.)
- Thompson, Richard C., Woodmont, Conn. Cleaning the plates of an electrostatic air or gas cleaner. 1,957,560; May 8.
- Thompson, Richard C., Woodmont, Conn., assignor to American Transformer Company, Newark, N. J. Apparatus for measuring fluid-flow. 1,957,681; May 8.
- Thompson, Robert D. (See Penrod, John, assignor.)
- Thompson, Robert F. (See Martin, H. E., and Thompson.)
- Thompson, Robert H., assignor to L. M. Harvey, Los Angeles, Calif. Deep well pumping means. 1,946,723; Feb. 13.
- Thompson, Robert P., Piermont, assignor to The Superheater Company, New York, N. Y. Furnace lining. 1,963,157; June 19.
- Thompson, Robert P., Piermont, assignor to The Superheater Company, New York, N. Y. Boiler. 1,973,129; Sept. 11.
- Thompson, Roy E., Nyack, assignor to Thompson Patents Corporation, New York, N. Y. Remote control system. 1,968,973; Aug. 7.
- Thompson, Roy E., Nyack, assignor to Thompson Patents Corporation, New York, N. Y. Remote control system. 1,977,745; Oct. 23.
- Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,945,836; Feb. 6.
- Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Remote control apparatus. 1,945,837; Feb. 6.
- Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,950,761; Mar. 13.
- Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,950,762; Mar. 13.
- Thompson, Russell G., and C. W. Crumrine, Rochester, assignors to Electromatic Typewriters, Inc., New York, N. Y. Typewriting machine. 1,945,097; Jan. 30.
- Thompson, Russell G., and C. W. Crumrine, assignors to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,955,614; Apr. 17.
- Thompson, Rutherford E., Des Moines, Iowa. Awning door. 1,980,303; Nov. 13.
- Thompson, Samuel A., New York, N. Y. Toy typewriter. 1,957,373; May 1.
- Thompson, Sylvester T., Flushing, and J. Streng, New York, assignors to Pilot Radio Corporation, Long Island City, N. Y. Cabinet for radioreceiver. Des. 93,189; Aug. 28.
- Thompson, Thorn. (See Cane, Gordon F., assignor.)
- Thompson, Vernon W., and B. N. Pierce, assignors to Emerol Manufacturing Co., New York, N. Y. Lubricating system for internal combustion engines. 1,972,543; Sept. 4.
- Thompson, Vincent, et al. (See Carnegie, A. Q., Duncan, and Parsons.)
- Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Nipple wrench. 1,951,584; Mar. 20.
- Thompson, Wayne B., Winchester, assignor to Spraco, Inc., Somerville, Mass. Fluid current conveyer. 1,942,379; Jan. 2.
- Thompson, Wayne B., Winchester, assignor to Spraco, Inc., Somerville, Mass. Induced draft unit for spray booths. 1,950,828; Mar. 13.
- Thompson, William, assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Controlling device for freewheeling clutch lock-up. 1,960,559; May 29.
- Thompson, William C., Roseville, Ill. Battery terminal. 1,969,051; Aug. 7.
- Thompson, William J., Detroit, Mich. Game device. 1,979,584; Nov. 6.
- Thompson, William J., Detroit, Mich. Counting device. 1,979,585; Nov. 6.
- Thoms, Alexander P. (See Halperin, T., and Thoms.)
- Thoms, Rudolph H. (See Riemenschneider, E., and Thomas.)
- Thoms, Rudolph H., assignor to Midland Steel Products Company, Cleveland, Ohio. Making axle housings. 1,945,080; Jan. 30.
- Thoms, Rudolph H., and R. H. Maddock, assignors to Midland Steel Products Company, Cleveland, Ohio. Method and apparatus for edgewise bending of metal strips. 1,965,716; July 10.
- Thomsen, Alfred M., San Francisco, Calif., assignor to Kohler & Chase. Use of lime in precipitation. 1,965,268; July 3.
- Thomsen, Christoph. (See Dachlauer, K., Thomsen, and Voss.)
- Thomson, Alfred M., East Orange, N. J., assignor to Dardet Threadlock Corporation, New York, N. Y. Adjustable threaded member and locking same. 1,981,399; Nov. 20.
- Thomson, Bernard, Combe Close, Woldingham, England, assignor to General Motors Corporation, Detroit, Mich. Self locking gear shifting device. 1,976,309; Oct. 9.
- Thomson, David F., Melrose, assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass. Display stand. 1,947,746; Feb. 20.
- Thomson, George A. (See Austin, Harvey B., assignor.)
- Thomson, George H. (See Smith, H. A., Thomson, and Stafford.)
- Thomson, George M., Caledonia, Ontario, Canada. Heat insulating material. 1,980,889; Nov. 13.
- Thomson, George M., Caledonia, Ontario, Canada. Heat insulating product. 1,942,989; Jan. 9.
- Thomson, George M., Caledonia, Ontario, Canada. Treating vermiculite. 1,950,829; Mar. 13.
- Thomson-Gibb Electric Welding Company. (See Cutter, George A., assignor.)
- Thomson-Gibb Electric Welding Company. (See Gibb, William H., assignor.)
- Thomson-Gibb Electric Welding Company. (See Speed, Francis H., assignor.)
- Thomson, Gilbert A., Coffeyville, Kans. Spectacles. 1,959,396; May 22.
- Thomson, Hugh, Burnaby, British Columbia, Canada. Gearless differential. 1,955,208; Apr. 17.
- Thomson, Hugh A., Kensington, England. Book marker. 1,976,465; Oct. 9.
- Thomson, James, assignor to Continental Roll & Steel Foundry Co., East Chicago, Ind. Apparatus for heat treating metal. 1,956,519; Apr. 24.
- Thomson, John M., and J. F. Mulhern, New York, N. Y. Exercising appliance. 1,981,379; Nov. 20.
- Thomson, Judson L., Manufacturing Co. (See Bartel, Paul W., assignor.)
- Thomson, Judson L., Manufacturing Co. (See Havener, Arthur R., assignor.)
- Thomson, McLeod, Atlantic City, N. J., assignor to The Thomson Rail Corporation. Railway rail. 1,954,687; Apr. 10.
- Thomson Rail Corporation, The. (See Thomson, McLeod, assignor.)
- Thomson, Robert, Arlington, N. J., assignor to Dardet Threadlock Corporation, New York, N. Y. Cutting external screw threads. 1,950,704; Mar. 13.
- Thomson, Robert, Arlington, N. J., assignor to Dardet Threadlock Corporation, New York, N. Y. Screw thread gauge. 1,954,852; Apr. 17.
- Thomson, Robert, Arlington, N. J., assignor to Dardet Threadlock Corporation, New York, N. Y. Thread rolling die. 1,961,257; June 5.
- Thomson, Robert, Arlington, N. J., assignor to Dardet Threadlock Corporation, New York, N. Y. Tap. 1,968,103; July 31.
- Thomson, Robert, Arlington, N. J., assignor to Dardet Threadlock Corporation, New York, N. Y. Valve for oil well pump plungers. 1,975,184; Oct. 2.
- Thomson, Robert, Arlington, N. J., assignor to Dardet Threadlock Corporation, New York, N. Y. Closure cap for containers. 1,975,878; Oct. 9.
- Thomson, Robert F. (See Hooley, L. J., Thomson, and Fairweather.)
- Thomson, Robert F. (See Jones, D. C. R., Anderson, and Thomson.)
- Thomson, Robert F. (See Jones, D. C. R., and Thomson.)
- Thomson, Robert F. (See Shaw, C., Semple, and Thomson.)
- Thomson, Robert F. (See Shaw, C., and Thomson.)
- Thomson, Robert F., I. B. Anderson, and S. Thornley, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Production and use of anthracene dyes. 1,972,960; Sept. 11.
- Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)
- Thonger, John R., and O. Denker, assignors to Harley-Davidson Motor Company, Milwaukee, Wis. Starting mechanism for internal combustion motors. 1,951,637; Mar. 20.
- Thor, Edward J., Berkeley, Calif. Vacuum cleaner bag arrangement. 1,962,370; June 12.
- Thorburn, Hugh, Toronto, Ontario, Canada. Apparatus for and forming resilient tires. 1,945,098; Jan. 30.
- Thorburn, Wilbur G., Holt, Mich. Dual reflector. 1,949,503; Mar. 6.
- Thordarson, Chester H., Chicago, Ill. Coil winding machine. 1,965,754; July 10.

- Thordarson, Chester H., assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Commutator. 1,976,814; Oct. 16.
- Thordarson, Chester H., Chicago, and O. A. Pearson, Oak Park, assignors to Thordarson Electric Manufacturing Company, Chicago, Ill. Machine for winding coils. 1,948,776; Feb. 27.
- Thordarson Electric Manufacturing Company. (See Shuey, Lloyd A., assignor.)
- Thordarson, Chester H., assignor.)
- Thordarson Electric Manufacturing Company. (See Thordarson, Chester H., assignor.)
- Thordarson, C. H., and Pearson, assignors.)
- Thordarson, William. (See Curtin, L. P., and Thordarson.)
- Thornbrough, William, New York, N. Y. Insecticide and fertilizer and manufacture. 1,976,905; Oct. 16.
- Thornblade, Carl H., assignor to Original Copywriter Company, Seattle, Wash. Ribbon feed means for copywriters. 1,955,372; Apr. 17.
- Thornborough, Claude W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Fire brick. 1,963,181; June 19.
- Thornbrough, Harry C. (See Oakes, F. J., and Thornbrough.)
- Thornburg, Harvey D. (See Van Schaack, Calvin P., assignor.)
- Thornburgh, James C., and E. S. Cason, assignors to Pure Water Systems, Inc., Chicago, Ill. Filter. 1,958,728; May 15.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Process and apparatus for the manufacture of pulp. 1,947,888; Feb. 20.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Process and apparatus for the manufacture of pulp. 1,947,889; Feb. 20.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Log barker. 1,966,153; July 10.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Apparatus for the manufacture of pulp. 1,975,301; Oct. 2.
- Thorne, Charles B., and P. W. Cushman, Cleveland, Ohio. Oil burner. 1,963,340; June 19.
- Thorne, Victor C. (See Brüstle, Ferdinand, assignor.)
- Thorner, Walther, Berlin, Germany. Ophthalmoscope. 1,961,309; June 5.
- Thornhill, Bertie R., and M. E. Rohr, assignors to The Virginia Art Goods Studios, Inc., Lynchburg, Va. Laundry hand bag. 1,973,970; Oct. 30.
- Thornhill, Bertie R., and M. E. Rohr, assignors to The Virginia Art Goods Studios, Inc., Lynchburg, Va. Hand bag and hand bag cover. 1,973,971; Oct. 30.
- Thornhill, Charles W., Houston, Tex. Fuel valve. 1,984,444; Dec. 18.
- Thornley, James L., Melbourne, Victoria, Australia. Remote volume control for talking and/or sound picture equipment. 1,970,064; Aug. 14.
- Thornley, Joseph H., Evanston, Ill. Mechanical digging apparatus. Re19,284; Aug. 21.
- Thornley, Joseph H., Evanston, assignor to Western Foundation Company, Chicago, Ill. Pile and constructing the same. 1,954,188; Apr. 10.
- Thornley, Ralph W., Bedford, Ohio. Door holder or stay. 1,952,001; Mar. 20.
- Thornley, Sidney. (See Thomson, R. F., Anderson, and Thornley.)
- Thornley, Sidney, Grangemouth, Scotland, and A. Y. Twemlow, Moston, Manchester, England, assignors to Imperial Chemical Industries Limited. Coloring. 1,979,505; Nov. 6.
- Thornton, Frank, Jr., Pittsburgh, Pa. Locker. 1,968,271; July 31.
- Thornton, John E., Jersey, British Isles. Color cinematography and other photography and means, method, and apparatus therefor. 1,966,653; July 17.
- Thornton, John E., St. Brelade, Jersey, Channel Islands, England. Color photography and method therefor. 1,976,152; Oct. 9.
- Thornton, Leslie A., et al. (See Hardeman, Lee F., assignor.)
- Thornton, Margaret T. (See Thompson, Lynden E., assignor.)
- Thornton-Norris, George, London, England. Time measuring instrument. 1,967,157; July 17.
- Thornton, Richard F., and C. A. Blankenburg, Chicago, Ill. Cabinet for a fortune telling or amusement device. Des. 92,630; June 26.
- Thorold, Frederick W., New York, N. Y., and T. Gregory, Toronto, Ontario, Canada. Lawn sprinkling device. 1,953,837; Apr. 3.
- Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Frost shield. Re19,145; Apr. 24.
- Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Brake extension lever. Des. 93,056; Aug. 14.
- Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Pedal pad. 1,977,415; Oct. 16.
- Thorsen, Harry D., Oak Park, Ill. Golf club separator. 1,968,723; July 31.
- Thorsen, Karl M., assignor to Central Paper Company, Muskegon, Mich. Waxing attachment for paper machines. 1,951,681; Mar. 20.
- Thorsen, Theodore M., Bellingham, Wash. Stream line stern-post block and rudder assembly. 1,973,783; Sept. 18.
- Thorsen, Thor. (See Storm, A., and Thorsen.)
- Thorsen, Martin, St. Charles, Ill. Gas burner. 1,973,935; Sept. 18.
- Thousand, Adolph, Cedar Rapids, Iowa. Air conditioning device. 1,973,233; Sept. 11.
- Thrall, Walter I., Alhambra, assignor, by mesne assignments, to Reliance Regulator Corporation, Los Angeles, Calif. Gas distributing apparatus. 1,960,466; May 29.
- Thrall, William N., West Rutland, Vt. Signal light for vehicles. 1,950,330; Mar. 6.
- Thrasher, Ned, Perrysburg, N. Y. Clamp. 1,954,548; Apr. 10.
- Thrasher, Ned L., Perrysburg, N. Y. Stepladder brace. 1,942,849; Jan. 9.
- Thrasher, Ned L., Perrysburg, N. Y. Stepladder. 1,954,434; Apr. 10.
- Thrasher, Ned L., Perrysburg, N. Y. Saw set. 1,966,364; July 10.
- Thrasher, Warren G., assignor to National Fireworks, Inc., West Hanover, Mass. Process and apparatus for charging pyrotechnical articles and the like. 1,946,042; Feb. 6.
- Throp, Cecil A. (See Stone, H. G., and Throp.)
- Thrower, William J., Minerva, Ohio. Plate or similar article. Des. 93,897; Nov. 20.
- Thrubond Flashing Corporation. (See Sobel, Joseph, assignor.)
- Thuermann, Irma C., et al. (See Drews, Otto J., assignor.)
- Thuermann, Wilfred J., et al. (See Drews, Otto J., assignor.)
- Thuillier, Georges, Domine de Montrouan Par Gibles, France. Rubberized shoe for horses or other hoofed animals. 1,954,899; Apr. 17.
- Thum, Martin, Rochester, N. Y. Sway seat or the like. 1,957,005; May 1.
- Thum, Walter A., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for attaching heels to shoes. Re19,297; Aug. 28.
- Thum, Walter A., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for attaching heels to lasted shoes. 1,947,666; Feb. 20.
- Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Operating mechanism. 1,953,789; Apr. 3.
- Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Switch operating mechanism. 1,960,532; Aug. 7.
- Thumlert, Edgar A. (See Walker, H. B., and Thumlert.)
- Thun, Rudolf, Schöneiche, Germany. Motion picture apparatus. 1,956,736; May 1.
- Thun, Rudolf, Schöneiche, Germany. Photographic printing apparatus. 1,964,834; July 3.
- Thuras, Albert L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating device. 1,954,966; Apr. 17.
- Thuras, Albert L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,964,606; June 26.
- Thurber, Arthur E., and R. H. Sholtz, Sherrill, assignor to Onida Community, Limited, Onida, N. Y. Antitarnishing material for silverware and other metals and producing the same. 1,946,508; Feb. 13.
- Thuren, Walter W., Santa Barbara, Calif. Folding stool. 1,978,870; Oct. 30.
- Thuren, Walter W., Santa Barbara, Calif. Excrement receptacle. 1,978,871; Oct. 30.
- Thürlings, Hermann, assignor to Hansella G. m. b. H., Viersen, Germany. Machine for the production of bonbons. 1,967,565; July 24.
- Thurm, Léon, Suresnes, France. Recording and reproducing. 1,960,094; May 22.
- Thurman, George S., and K. T. Romie, assignors to Fireproof Wall Company, Oakland, Calif. Preparing a plastic composition for the manufacture of conduits and other articles of manufacture by extrusion. 1,977,158; Oct. 16.
- Thurmer, Sophie J., Brooklyn, N. Y. Bottle bag. 1,983,418; Dec. 4.
- Thurmond, Gilbert I., West Asheville, assignor to American Enka Corporation, Enka, N. C. Desulphurizing rayon. 1,977,533; Oct. 16.
- Thurston, Ernest B., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Electromagnetically controlled brake. 1,969,435; Aug. 7.
- Thurston, Robert S., New York, N. Y., assignor to General Electric Company. Speed control of induction motors. 1,967,107; July 17.
- Thurston, Walter R., Los Angeles, Calif. Brake dressing and process therefor. 1,980,016; Nov. 6.
- Thwaits, Frederick G. (See French, H. C., and Thwaits.)
- Thwaits, Frederick G., Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis. Trailer tank vehicle. Des. 92,686; July 3.
- Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Tank vehicle. Des. 93,190; Aug. 28.
- Thyssen, Conrad, assignor to Schumag Schumacher Metallwerke Aktiengesellschaft für Präzisionsmechanik, Aachen, Germany. Machine for drawing and cutting stock. 1,970,205; Aug. 14.
- Thyssen, Gustav, Krefeld-Forsthaus, Germany. Duplicating block. 1,980,560; Nov. 13.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,942,225; Jan. 2.
- Tibbetts, Cyrus R., Los Angeles, Calif. Paint mixer. 1,980,643; Nov. 13.

- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Vibration damper. 1,950,888; Mar. 13.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Transmission control mechanism. 1,975,626; Oct. 2.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Slack adjuster. 1,980,771; Nov. 13.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 1,983,250; Dec. 4.
- Tibbitts, Gordon C., and F. R. Seavey, Alton, assignors to Western Cartridge Company, East Alton, Ill. Making propellant powders. 1,967,913; July 24.
- Tiberg, Simon B. E., Malarhojden, assignor to Aktiebolaget Radius, Stockholm, Sweden. Combined cleaning and cut-off device in gasification burners. 1,978,772; Oct. 30.
- Tice, Francis A. (See Ritchie, C. I., and Tice.)
- Tice, Harry H. (See Brunner, A. H., and Tice.)
- Tice, John H., Jr., New York, N. Y. Ventilated hat. 1,955,986; Apr. 24.
- Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Apparatus for increasing volumetric efficiency. 1,957,919; May 8.
- Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Carburetor. 1,961,651; June 5.
- Tice, Reuben S., and M. H. Littlefield, Monterey, Calif; said Tice assignor to said Littlefield. Fishing method and apparatus. 1,980,452; Nov. 13.
- Tichenor, Carl M., North Muskegon, Mich., assignor to United Research Corporation. Device for centering a tablet on a turntable. 1,946,599; Feb. 13.
- Tichenor, Carl M., Muskegon, and B. C. Booth, Muskegon Heights, Mich.; said Booth assignor to said Tichenor. Automobile radio set. 1,941,961; Jan. 2.
- Tichnor Brothers, Inc. (See Tichnor, Louis, assignor.)
- Tichnor, Louis, Newton, assignor to Tichnor Brothers, Inc., Cambridge, Mass. Cover for a box, carton, or the like. Des. 91,374; Jan. 16.
- Tidd, Edwin B., assignor to Bell & Gossett Company, Chicago, Ill. Water circulation control device. 1,952,475; Mar. 27.
- Tidemann, Herman A., Toronto, Ontario, Canada. Combined picture frame and convex glass. Des. 91,640; Feb. 27.
- Tide Water Oil Company. (See Bertschinger, Charles E., assignor.)
- Tide Water Oil Company. (See Churchill, Leonard R., assignor.)
- Tide Water Oil Company. (See Ellsberg, Edward, assignor.)
- Tide Water Oil Company. (See Steffen, E., van Voorhees, and Parsons, assignors.)
- Tiede, Walter W., Detroit, Mich. Line marker. 1,966,192; July 10.
- Tiefenbacher, Rudolf, Essen, Germany. Representation in print of spoken sounds. 1,951,454; Mar. 20.
- Tielens, Georges J. L., Brussels, assignor to "Maximine" Société Anonyme, Verviers, Belgium. Activated carbon. 1,951,538; Mar. 20.
- Tiemann, Harry D., Madison, Wis., dedicated to the free use of the Public. Wooden building construction. 1,948,950; Feb. 27.
- Tierman, Martin, Blawnox, Pa. Collapsible tube closure. 1,977,500; Oct. 16.
- Tiers, Charles S. (See Merrigan, W. J., jr., Tiers, and Wanamaker.)
- Tiesler, Alfred, Wittenberge, near Potsdam, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Device for use in the manufacture of ornamental fabrics. 1,964,607; June 26.
- Tietig, Chester, Covington, Ky. Apparatus for decolorizing and filtering liquids. 1,947,303; May 1.
- Tietig, Chester, Los Angeles, Calif. Decolorizing mineral oil. 1,974,089; Sept. 18.
- Tietjens, Oscar G., Swarthmore, Pa. Waterfoil. 1,976,046; Oct. 9.
- Tietze, Ernst. (See Ossenbeck, A., and Tietze.)
- Tiffany, Frank E., assignor to Tiffany Technical Corporation, Los Angeles, Calif. Therapeutic apparatus. 1,968,509; July 31.
- Tiffany Technical Corporation. (See Tiffany, Frank E., assignor.)
- Tift, Thomas D., Westfield, N. J., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,981,128; Nov. 20.
- Tigges, Alexander J. (See Booth, R. D., Coffin, and Tigges.)
- Tighe, Thomas, Jr., Chicago, Ill., assignor to The Thermo Service Company, Inc. Protector for foods. 1,973,449; Sept. 11.
- Tigue, William H., Flint, Mich. Revolving doorlock. 1,952,393; Mar. 27.
- Tijmstra, Sijbren. (See Gabler, G. C., and Tijmstra.)
- Tijmstra, Sijbren, Madison County, Ill., assignor to Shell Petroleum Corporation. Refining petroleum. 1,969,956; Aug. 14.
- Tijmstra, Sijbren, University City, Mo., assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 1,975,563; Oct. 2.
- Tilbury, Lyle C., Houston, Tex. Wash pipe. 1,951,455; Mar. 20.
- Tilbury, Lyle C., Houston, Tex. Slip. 1,966,693; July 17.
- Tilden, Bert O., Trenton, N. J. Bathtub. Des. 93,254; Sept. 4.
- Tilden, Bert O., Trenton, N. J. Bathtub. Des. 93,255; Sept. 4.
- Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Flush valve. 1,944,379; Jan. 23.
- Tileston, Clarence A., West Orange, N. J., and R. H. Caldwell, Astoria, N. Y. Amplifier circuit. 1,959,088; May 15.
- The-Tex Company, The. (See Heppes, George P., assignor.)
- Tiller, David M. (See Doner, S. R., Stevenson, and Tiller.)
- Tilley, Edwin F. (See Stone, R. H., and Tilley.)
- Tilley, Frank W. (See Schaffer, J. M., and Tilley.)
- Tillinghast, James C. M., Belmont, Mass. Fastening protective coverings to upholstery of furniture. 1,950,198; Mar. 6.
- Tillman, John R., Bridgeport, Conn., assignor to The Bullard Company. Workholder. 1,947,957; Feb. 20.
- Tillotson, Charles C., Phoenix, Ariz. Arched dam. 1,950,095; Mar. 6.
- Tillotson, James, Jr., Jamestown, N. Y. Wood furniture drawer support. 1,944,477; Jan. 23.
- Tillotson Manufacturing Company, The. (See Jackman, William W., assignor.)
- Tillotson Manufacturing Company, The. (See Kegerreis, Claude S., assignor.)
- Tilly, Robert, New York, N. Y. Garter clasp loop. Des. 192,217; May 8.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye testing device. 1,942,850; Jan. 9.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Lens. 1,948,636; Feb. 27.
- Tillyer, Edgar D., Southbridge, Mass., assignor to Radio Corporation of America, New York, N. Y. Radioreceiver. 1,949,848; Mar. 6.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Lens. 1,952,394; Mar. 27.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,957,116; May 1.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,957,117; May 1.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye testing device. 1,973,966; Sept. 18.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Instrument. 1,977,813; Oct. 23.
- Tillyer, Edgar D., and E. L. Schumacher, assignors to American Optical Company, Southbridge, Mass. Screw setting device. 1,952,395; Mar. 27.
- Tilssner, Charles, and J. Tauscher, Oglesby Ill. Double lock. 1,954,718; Apr. 10.
- Tilston, Edward, London, England. Wrench. 1,966,773; July 17.
- Timbrol Limited. (See Peake, John G., assignor.)
- Timbs, Edward. (See Zerbe, L. E., and Timbs.)
- Timbs, James A., Nashville, Tenn. Toy. 1,959,280; May 15.
- Timen, Paul, and J. Acito, New York, N. Y. Loss-preventing earring. 1,985,809; Dec. 25.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,942,226; Jan. 2.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,942,227; Jan. 2.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Piston. 1,947,177; Feb. 13.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,957,561; May 8.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,961,466; June 5.
- Timian, Harold H., Orion, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Antenna circuit. 1,973,301; Sept. 11.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,973,889; Sept. 18.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,975,989; Oct. 9.
- Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,975,990; Oct. 9.
- Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
- Timken-Detroit Axle Company, The. (See Barber, George E., assignor.)
- Timken-Detroit Axle Company, The. (See Brownier, Nelson R., assignor.)
- Timken-Detroit Axle Company, The. (See Buckendale, Laurence E., assignor.)
- Timken-Detroit Axle Company, The. (See Greninger, Robert R., assignor.)
- Timken-Detroit Axle Company, The. (See Morgan, Mathew B., assignor.)
- Timken-Detroit Axle Company, The. (See Rockwell, W. F., and Alden, assignors.)
- Timken Roller Bearing Company, The. (See Ackerman, Paul C., assignor.)
- Timken Roller Bearing Company, The. (See Baker, John B., assignor.)
- Timken Roller Bearing Company, The. (See Bergert, Henry A., assignor.)
- Timken Roller Bearing Company, The. (See Boden, Ernest G., assignor.)
- Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
- Timken Roller Bearing Company, The. (See Doughty, Eldred H., assignor.)
- Timken Roller Bearing Company, The. (See Frank, Pardee H., assignor.)

- Timken Roller Bearing Company, The. (See Hess, Donald P., assignor.)
- Timken Roller Bearing Company. (See Horger, Oscar J., assignor.)
- Timken Roller Bearing Company. (See Lothrop, M. T., and Bergstrom, assignors.)
- Timken Roller Bearing Company, The. (See Moreland, Stephen T., assignor.)
- Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)
- Timken Roller Bearing Company, The. (See Smith, John W., assignor.)
- Timken Roller Bearing Company, The. (See Waldorf, Fred, assignor.)
- Timken Roller Bearing Company, The. (See Weckstein, Samson M., assignor.)
- Timken Roller Bearing Company, The. (See William, Sidney D., assignor.)
- Timken Roller Bearing Company, The. (See Wood, Henry H., assignor.)
- Timken Silent Automatic Company, The. (See Powers, Milton A., assignor.)
- Timm, Paul C. and W. P. Lincoln, Nebr. Furnace heat regulator. Re19,352; Oct. 23.
- Timm, Paul C. and W. P. Lincoln, Nebr. Furnace heat regulator. 1,980,836; Nov. 13.
- Timm, William P. (See Timm, Paul C. and W. P.)
- Timme, E. F., and Son. (See Biva, Lucien, assignor.)
- Timmermann, William F., Hempstead, N. Y. Telephone call reminder. 1,981,156; Nov. 20.
- Timms, Albert H., Harrow, England. Eliminating draft through closed doorways and the like. 1,972,431; Sept. 4.
- Timko, George A., Chicago, Ill. Window shade operating mechanism. 1,983,583; Dec. 11.
- Timmons, Colin W. (See Bills, Claud H., assignor.)
- Timmons, Edwin S., Chicago, Ill. Assembling device. 1,942,459; Jan. 9.
- Timmons, Edwin S., Chicago, Ill. Vehicle light director. 1,952,615; Mar. 27.
- Timmons John F., Coshocton, Ohio. Controlling means for electrical equipment. 1,957,479; May 8.
- Timmons, Nickless, Chicago, Ill. Scaffold. 1,949,820; Mar. 6.
- Timson, William, assignor to W. & T. Avery Limited, Birmingham, England. Dashpot. 1,964,186; June 26.
- Tincu, Vasile V., Detroit, Mich. Trellis. 1,941,517; Jan. 2.
- Tindal, John R., West Springfield, and J. H. Palmer, assignors to Package Machinery Company, Springfield, Mass. Wrapping machine for thin articles. 1,965,324; July 3.
- Tindale, Richard J., Denver, Colo. Hoisting table. 1,981,680; Nov. 20.
- Tin Decorating Company of Baltimore, The. (See Hermani, Henry, assignor.)
- Tindell, Daniel J., and W. H. Goodenough, Buffalo, N. Y. Clutch mechanism for multiple gear constant mesh transmission. 1,969,436; Aug. 7.
- Tingley-Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)
- Tinius Olsen Testing Machine Company. (See Dysart, A. S., Fraser, and Lind, assignors.)
- Tinius Olsen Testing Machine Company. (See Lewis, Robert B., assignor.)
- Tinius Olsen Testing Machine Company. (See Lundgren, Jacob, assignor.)
- Tinius Olsen Testing Machine Company. (See Nardiello, Manuel V., assignor.)
- Tinker, John M., and L. Spiegler, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitration of N-acetyl-p-toluidine. 1,963,597; June 19.
- Tinker, John M., and L. Spiegler, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of 5-nitro-2-amino-anisole. 1,963,598; June 19.
- Tinker, John M., South Milwaukee, and V. A. Hansen, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphonation of betanaphthylamine. 1,969,189; Aug. 7.
- Tinke, Otto G. (See Natwick, F. J., and Tinkey.)
- Tinkey, Otto G., Los Angeles, Calif. Refrigerating apparatus. 1,975,337; Oct. 2.
- Tinkham, Guy L., assignor, by mesne assignments, to McCord Radiator & Mfg. Co., Detroit, Mich. Electric drier. 1,961,179; June 5.
- Tinlin William, Chicago, Ill. Rivet rule. 1,965,013; July 3.
- Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
- Tinnerman, Albert H., Cleveland, Ohio. Stove. Des. 92,440; June 5.
- Tinnerman, George A., Rocky River, assignor to Albert H. Tinnerman, Cleveland, Ohio. Spring fastener. 1,971,881; Aug. 28.
- Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 1,981,973; Nov. 27.
- Tinsley, John S. (See Billing, W. M., and Tinsley.)
- Tinsley, John S. (See Wiggam, D. R., and Tinsley.)
- Tinsley, Milton L., Grantwood, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding table. 1,951,888; Mar. 20.
- Tinsley, Milton L., Grantwood, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Foldable chair. 1,963,876; June 19.
- Tinsman, Harry. (See Daimond, J. J., Tinsman, and Scott.)
- Tint, Louis J., Chicago, Ill. Projecting machine. 1,966,531; July 17.
- Tioga Silk Company. (See Reiman, Paul, assignor.)
- Tip's Tool Company. (See Bodenedieck, Henry W., assignor.)
- Tipton, Ray E. (See Cline, T. E., and Tipton.)
- Tirrito, Jasper, Chicago, Ill. Sounding trundling toy. 1,985,117; Dec. 18.
- Tischler, Ludwig J., Detroit, Mich. Die casting machine. 1,944,199; Jan. 23.
- Tisdale, Wendell H. (See Bousquet, E. W., and Tisdale.)
- Tisdale, Wendell H., and I. Williams, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disinfectant. 1,972,961; Sept. 11.
- Tissier, Guy A., assignor to Société d'Exploitation des Brevets Lecocq & Tissier, Paris, France. Suspension of the seats of vehicles. 1,971,085; Aug. 21.
- Tissue Company, The. (See Coons, Charles H., assignor.)
- Titanium Alloy Manufacturing Company, The. (See Comstock, George F., assignor.)
- Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
- Titanium Manufacturing Company, The. (See Kinzie, C. J., and Commons, assignors.)
- Titanium Pigment Company, Inc. (See Cauwenberg, Winfred J.)
- Titeflex Metal Hose Co. (See Fletcher, C. W., and Stone, assignors.)
- Titeflex Metal Hose Co. (See Stone, R. H., and Tilley, assignors.)
- Titley, Harold W. (See Hildebrand, H. W., jr., and Titley.)
- Titmas Company, Inc. (See Titmas, Reginald W., assignor.)
- Titmas, Reginald W., assignor to Titmas Company, Inc., New Orleans, La. Oil burner. 1,944,043; Jan. 16.
- Titmus Optical Company, Inc. (See Haering, Carl G., assignor.)
- Titone, Joseph, Riverbank, assignor to Neidich Cel-Lus-Tra Corporation, Burlington, N. J. Lockstitch knit fabric and making same. 1,984,326; Dec. 11.
- Titterington, George A., executor. (See Titterington, Morris M.)
- Titterington, Morris M., deceased. New York, N. Y., by George A. Titterington, Dallas, Tex., executor, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Generator for earth inductor compasses. 1,959,251; May 15.
- Titterington, Morris M., New York, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Compensating device for magnetic compasses. 1,982,405; Nov. 27.
- Titus, Helena J., New York, N. Y. Bottle. Des. 93,147; Aug. 21.
- Titus, Hubert J., Paterson, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive auxiliary port controlling mechanism. 1,943,703; Jan. 16.
- Titus, Hubert J., Paterson, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Controlling means for locomotive auxiliary ports. 1,950,463; Mar. 13.
- Titus, Hubert J., Paterson, N. J., and J. S. Wallis, assignors to Franklin Railway Supply Company, New York, N. Y. Steam engine. 1,974,200; Sept. 18.
- Titus, Leon D. (See Drake, R. L., and Titus.)
- Titus, Leon D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Attaching a closure to a container. 1,976,673; Oct. 9.
- Titus, Leon D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Capping apparatus. 1,982,085; Nov. 27.
- Titus, Norman E., New York, N. Y. Treating photographic films. 1,952,572; Mar. 27.
- Titus Nursery Company. (See Quillen, E. M., and Billerbeck, assignors.)
- Tival, Henri L. P., Sainte-Feyre, France. Preparation in dry powdered form of animal, fish, and vegetable matter. 1,979,124; Oct. 30.
- Tivendale, William. (See Baxter, J., and Tivendale.)
- Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Plumbing fixture. Des. 92,687; July 3.
- Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Combined automobile hood and radiator shell. Des. 93,694; Oct. 23.
- Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Automobile front end construction. 1,953,574; Apr. 3.
- Toa Denki Kabushiki Kaisha. (See Iio, Tatsujiro, assignor.)
- Tobacco By-Products & Chemical Company. (See Headlee, Thomas J., assignor.)
- Tobey, Fred W., assignor to The Macey Company, Grand Rapids, Mich. Locking device. 1,943,099; Jan. 9.
- Tobias, Werner. (See Fischer, W., and Tobias.)
- Tobin, Arthur L., Lynnfield Center, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Temperature-limiting mechanism for hot-water systems. 1,979,779; Nov. 6.

- Tobin, Arthur L., Lynnfield Center, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Mechanical interlock for servo motors. 1,981,400; Nov. 20.
- Tobin, Clarence J. (See Boegehold, A. L., and Tobin.)
- Tobin, Clarence J. (See Boegehold, A. L., Tobin, and Smart.)
- Tobin, Clarke W., South Orange, N. J., assignor to Gotham Silk Hosiery Company, Inc. Undergarment. 1,977,829; Oct. 16.
- Tobin, Edna B. (See Schweizer, Albert, assignor.)
- Tobin, Henry I., assignor to John B. Stetson Company, Philadelphia, Pa. Cap. Des. 92,936; July 31.
- Tobin, Kenneth J. (See Eklind, C. E., and Tobin.)
- Tobin, Kenneth J. (See Fehr, E. J., Tobin, and Heinen.)
- Tobin, Kenneth J. (See Lute, C., and Tobin.)
- Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. Metallic door construction. 1,951,539; Mar. 20.
- Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. Supporting means for car doors. 1,982,270; Nov. 27.
- Tobold, Ewald F., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Hinged bracket. 1,973,829; Sept. 18.
- Toborg, Emil L. G., Little Falls, N. Y. Sliding shelf sectional bookcase. 1,980,116; Nov. 6.
- Toce, Charles A., Houston, and G. D. Fleak, assignors to E. D. Clem, Beaumont, Tex. Game apparatus. 1,945,873; Feb. 6.
- Toczko, Leon. (See Souney, M. T., Toczko, and Moore.)
- Todd Company, The. (See Dreyfuss, H., and Payne, assignors.)
- Todd Company, Inc., The. (See Todd, L. M., and Payne, assignors.)
- Todd Drydock, Engineering & Repair Corporation. (See McDonald, J., and Dahl, assignors.)
- Todd Dry Dock, Engineering & Repair Corporation. (See Meachem, Harry, assignor.)
- Todd, Edwin T., and N. S. Houston, Baltimore, assignors to General Aviation Corporation, Dundalk, Md. Chair. 1,959,696; May 22.
- Todd, Francis B., assignor to T. Todd, Attalla, Ala. Bale tie buckle. 1,985,529; Dec. 25.
- Todd, George C., and W. H. Swissler, Chicago, Ill. Water-sealed drinking fountain. 1,972,366; Sept. 4.
- Todd, Harold A. (See West, Frank R., assignor.)
- Todd, Harold N., Detroit, Mich., assignor to Revere Copper and Brass Incorporated. Mold. 1,973,550; Sept. 11.
- Todd, Horris W., assignor of one-half to A. P. Andersen, Seminole, Okla. Float valve. 1,959,043; May 15.
- Todd, Juanita, Yonkers, N. Y. Pile fabric rug. Des. 92,631; June 28.
- Todd, Libanus M., and W. B. Payne, assignors to The Todd Company, Inc., Rochester, N. Y. Printing apparatus. 1,960,560; May 29.
- Todd, Raymond W., Grays Lake, Ill. Divided calked sole. 1,983,107; Dec. 4.
- Todd, Russell W., Bronxville, N. Y. Automatic change speed mechanism. 1,944,585; Jan. 23.
- Todd, Toy. (See Todd, Francis B., assignor.)
- Todd, Wilbur, Chicago, Ill. Four-wheel brake mechanism. 1,979,849; Nov. 6.
- Todd, William, and A. J. Hailwood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Emulsifying agent. 1,981,292; Nov. 20.
- Toden Denkyu Kabushiki Kwaisha. (See Mukasa, Eizo, assignor.)
- Todhunter, Arthur J., Albamra, Calif., assignor to Hammond Lumber Co., Wilmington, Del. Burial box. 1,953,374; Apr. 3.
- Toelke, Roy F. (See Bascom, Henry, assignor.)
- Toelle, Herbert E., Elm Grove, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Oven control. 1,969,336; Aug. 7.
- Toelle, Herbert E., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lighting device. 1,974,319; Sept. 18.
- Toelle, Herbert E., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lighting device. 1,974,320; Sept. 18.
- Toelle, Herbert E., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lighting device. 1,974,321; Sept. 18.
- Toelle, Walter H., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery carrier. 1,949,224; Feb. 27.
- Toewe, Fritz, assignor to Kienzle Taxameter und Apparate A. G. Villingen, Germany. Retarded stop signal for synchronous motor driven electrical clocks. 1,955,155; Apr. 17.
- Togel, Walter, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co., Dresden, Germany. Cutting apparatus for continuous rod cigarette making machines. 1,949,340; Feb. 27.
- Tohey, George W., assignor to Waltham Watch Company, Waltham, Mass. Speed-indicating device. 1,962,538; June 12.
- Toigo, John, Homewood, assignor to Standard Oil Company, Chicago, Ill. Oil demonstrator or the like. Des. 91,743; Mar. 13.
- Tokheim, John J., Cedar Rapids, Iowa. Fire screen unit for volatile liquid storage receptacles. 1,983,417; Dec. 4.
- Tokheim Oil Tank and Pump Company. (See Bechtold, Reuben E., assignor.)
- Tokheim Oil Tank and Pump Company. (See Pepper, Byron J., assignor.)
- Tokuhisa, Tokusaburo, Los Angeles, Calif. Wheel position indicator. 1,973,936; Sept. 18.
- Tolchin, John M., New York, N. Y. Health apparatus. 1,984,165; Dec. 11.
- Toledo Bottle Cap Co., The. (See Pollock, Arthur R., assignor.)
- Toledo General Manufacturing Company, The. (See Schenck, Charles F., assignor.)
- Toledo Machine & Tool Company, The. (See Dorman, N. W., and Eisenbach, assignors.)
- Toledo Machine & Tool Company, The. (See Hatch, Meredith R., assignor.)
- Toledo Pipe Threading Machine Co., The. (See Vosper, William W., assignor.)
- Toledo Scale Company. (See Reeves, Orwell C., assignor.)
- Toledo Scale Manufacturing Company. (See Brown, James D., assignor.)
- Toledo Scale Manufacturing Company. (See Hem, Halvor W., assignor.)
- Toledo Scale Manufacturing Company. (See Hurt, Samuel H., assignor.)
- Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)
- Toledo Scale Manufacturing Company. (See Marshall, Charles O., assignor.)
- Toledo Scale Manufacturing Company. (See Myers, D. D., and Hurt, assignors.)
- Toledo Scale Manufacturing Company. (See Oates, Free M., assignor.)
- Toledo Scale Manufacturing Company. (See Thomas, Edward G., assignor.)
- Toledo Scale Manufacturing Company. (See van Doren, Harold L., assignor.)
- Toledo Scale Manufacturing Company. (See Zinke, Carl J., assignor.)
- Tolerton, Ray E., assignor to The Magnavox Company, Fort Wayne, Ind. Diaphragm mounting. 1,957,562; May 8.
- Tolhurst, Louis H., Los Angeles, Calif. Method of and apparatus for producing motion pictures. 1,945,926; Feb. 6.
- Tolhurst Machine Works, Inc. (See Moffat, James, assignor.)
- Tolk, Cornelis, Bussum, Netherlands. Collar stud. 1,965,514; July 3.
- Tolkien, Fritz, Hanover, Germany. Motor with fluid actuated valve. 1,965,914; July 10.
- Toll, Karel, Passaic, N. J., assignor, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y. Crinkled coated surface. 1,969,164; Aug. 7.
- Tolle, Leonard L., assignor of one-half to O. C. Hanser, St. Louis, Mo. Door latching mechanism. 1,977,901; Oct. 23.
- Tollison, Paul L., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Constant volume pump. 1,982,770; Dec. 4.
- Tollonitsch, John, Clifton, N. J. Spring expanding device. 1,951,953; Mar. 20.
- Tolman, Charles P., Kew Gardens, assignor, by mesne assignments, to Columbia Appliance Corporation, New York, N. Y. Reclaiming or distilling apparatus. 1,981,480; Nov. 20.
- Tolman, Edgar B., jr., Chicago, Ill. Vibrating apparatus. 1,942,581; Jan. 9.
- Tolman, Edgar B., jr., Chicago, Ill. Fluid actuated control device for pneumatic conveyers. 1,965,866; July 10.
- Tolman, George S., jr. (See Edwards, H. E., and Tolman, jr.)
- Tolman, Henry E., Detroit, Mich. Abrasive and polishing device. 1,977,746; Oct. 23.
- Toly, Louie, Los Angeles, Calif. Ironing board attachment. 1,960,292; May 29.
- Toman, Arpad, New York, N. Y. Combination kitchen tool. 1,956,405; Apr. 24.
- Tombal, Léon E., Meulan, France. Protractor device. 1,976,861; Oct. 16.
- Tomkin, William J., San Jose, Calif. Safety trip ridge breaker. 1,973,830; Sept. 18.
- Tomkins, Josiah W., Apethorpe, Peterborough, England. Pie feeder. 1,982,237; Nov. 27.
- Tomlin, John R., Brooklyn, N. Y. Mechanism for controlling the tension of material drawn from a roll. 1,979,914; Nov. 6.
- Tomlin, John R., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Irving Trust Company, receiver. Web guide for printing machines. 1,955,713; Apr. 17.
- Tomlin, John R., Alexandria, Va., assignor to R. Hoe & Co., Inc., New York, N. Y.: Irving Trust Company, temporary trustee. Plate holding means for printing presses. 1,985,627; Dec. 25.
- Tomlinson, Fay M., Lebanon, assignor to Arthur M. Hood, Indianapolis, Ind., trustee. Centrifugal separator. 1,968,788; July 31.
- Tomlinson, George H., Montreal, Quebec, Canada. Bleaching pulp and other lignified materials. 1,970,065; Aug. 14.
- Tomlinson, William E., Dearborn, Mich. Food receptacle. 1,979,057; Oct. 30.
- Tompkins, Deal H., Vinton, Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Metal pickling process. 1,961,652; June 5.

- Tompkins, Deal H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Inhibitor for metal pickling baths. 1,971,736; Aug. 28.
- Tompkins, Deal H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Reaction product of sulphur dioxide and aldehyde derivatives of a Schiff's base. 1,973,918; Sept. 18.
- Tompkins, Edgar L., et al. (See Quinn, John B., assignor.)
- Tompkins, Eric S. (See Hardeman, W. E., and Tompkins.)
- Tompkins, Ernest E., Haverford, assignor to Rubber Specialties Company Incorporated, Conshohocken, Pa. Toy building block. 1,971,545; Aug. 28.
- Tompkins, George, Wollaston, Mass., assignor of one-half to B. M. McConnell, New York, N. Y. Ready-to-solder wire. 1,980,890; Nov. 13.
- Tompkins, John D., Valatie, N. Y. Method of and apparatus for making paper. 1,951,714; Mar. 20.
- Tompkins, Reuben R. (See Gregory, S., and Tompkins.)
- Tomsche, Emil, New York, N. Y. Indicator for electrical heating appliances. 1,946,246; Feb. 6.
- Tomson, Charles F., and W. I. Fritz, Albert Lea, Minn. Cabinet for toothbrushes. 1,951,585; Mar. 20.
- Tomura, Masanobu, Aoyama, Akasaka Ku, Tokyo, Japan. Furnace for heating metal wire. 1,967,520; July 24.
- Toncray, Millard H., assignor, by mesne assignments, to Automobile Ventilation, Inc., Detroit, Mich. Vehicle body window. 1,977,599; Oct. 16.
- Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Magazine for motion picture film. 1,946,600; Feb. 13.
- Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Shutter for motion picture machines. 1,974,759; Sept. 25.
- Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Collapsible spool for motion picture film. 1,979,423; Nov. 6.
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of open space coated abrasive paper by the use of paraffin and other hydrophobic materials. 1,941,962; Jan. 2.
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Reinforcement of high speed abrasive wheels. 1,982,710; Dec. 4.
- Tone, Jay E., Des Moines, Iowa. Gas generating apparatus. 1,984,665; Dec. 18.
- Tongue, Glendon T., Philadelphia, Pa. Fly paper package. 1,983,251; Dec. 4.
- Toniatti, Theodore F., Modesto, Calif. Tray cleaner. 1,980,602; Nov. 13.
- Tonnar, Paul B., Cleveland, Ohio. Mechanism for operating metallurgical furnace doors. 1,979,125; Oct. 30.
- Tonnar, Paul B., Cleveland, Ohio. Firing port. 1,980,891; Nov. 13.
- Tonnesen, Carl, Cleveland, Ohio. Curtain stretcher. 1,960,095; May 22.
- Tönnies, Hans, Altona/Grossflottbek, Germany. Exposure meter. 1,982,406; Nov. 27.
- Toohy, Edward A., Somerville, and E. R. Williams, North Plainfield, N. J. assignors to Johns-Manville Corporation, New York, N. Y. Insulating material. 1,972,500; Sept. 4.
- Tooker, Kenneth L., New York, N. Y. Lip stick holder. 1,958,524; May 15.
- Toole, Harry S., and J. W. Mitchell, Kenmore, assignors to du Pont Rayon Company, New York, N. Y. Thread-treating device. 1,981,885; Nov. 27.
- Toomey, John J., Chicago, Ill. Gas stove. 1,954,580; Apr. 10.
- Toomey, Thomas C., Allentown, assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace wall. 1,949,638; Mar. 6.
- Toomey, Thomas C., assignor to Fuller Lehigh Company, New York, N. Y. Furnace. 1,970,585; Aug. 21.
- Toothaker, Fred B., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Slitting machine. 1,956,429; Apr. 24.
- Topeka Tent & Awning Company, The. (See Anton, F. A., and Harris, assignors.)
- Topeka Tent & Awning Company. (See Bell, Edwin F., assignor.)
- Topf, Henry, New York, N. Y. Dry stencil carbon. 1,971,629; Aug. 28.
- Töpfer, Georg, Munich, Germany. Steering lock wheel. 1,943,704; Jan. 16.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last and shoe grinding. 1,948,547; Feb. 27.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 1,949,768; Mar. 6.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 1,951,179; Mar. 13.
- Toplifter, Inc. (See Olsen, Carl A., assignor.)
- Toplitz, Samson L., New York, N. Y. Mop holder. 1,960,720; May 29.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Roof or similar article of manufacture. Des. 91,744; Mar. 13.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Strip shingle. Des. 92,379; May 29.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Strip shingle. Des. 92,380; May 29.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Strip shingle. Des. 92,504; June 12.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Roof or similar article of manufacture. Des. 92,632; June 26.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Roof or similar article of manufacture. Des. 93,191; Aug. 28.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Roof or similar article of manufacture. Des. 93,642; Oct. 16.
- Topping, John A., Bronxville, assignor to Asphalt Process Corporation, New York, N. Y. Making strip shingles. 1,975,487; Oct. 2.
- Torchet, Pierre J. M., Riouperoux, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Orlais, Froges et Camargue, Paris, France. Manufacture of aluminum in high power tanks. 1,958,323; May 8.
- Torchia, Alberto, Brooklyn, and I. Stoeckert, Glendale, Long Island, N. Y. Detachable shoe sole and heel. 1,950,041; Mar. 6.
- Töröky, Alexander, Budapest, Hungary. Apparatus for heating water. 1,957,741; May 8.
- Torgersen, Ralph, Des Moines, Iowa. Flower box holder. 1,955,476; Apr. 17.
- Torigian, John, assignor to The Drug Products Co., Inc., Long Island City, N. Y. Colloidal manganese solutions. 1,962,371; June 12.
- Torigian, John, Queens Village, assignor to The Drug Products Co. Inc., Long Island City, N. Y. Making aqueous soluble colloidal sulphur isotonic and injectable solution produced thereby. 1,980,236; Nov. 13.
- Torigiani, Orlando, Bakersfield, Calif. Time controlled switch. 1,970,066; Aug. 14.
- Torkelson, Ida, administratrix. (See Torkelson, Reinhard T., assignor.)
- Torkelson, Reinhard T., deceased, Springfield, Mass. I. Torkelson, administratrix. Supporting chair for reinforcing bars. 1,954,301; Apr. 10.
- Tormyn, Herman, and F. F. Wiethoff, assignors to General Motors Corporation, Detroit, Mich. Machine to pierce a plurality of holes in a wheel hub shell for short spokes. 1,946,991; Feb. 13.
- Tormyn, Herman, and F. F. Wiethoff, assignors to General Motors Corporation, Detroit, Mich. Machine to pierce twenty holes in a wheel hub shell for long spokes. 1,946,992; Feb. 13.
- Tormyn, Herman, and F. F. Wiethoff, assignors to General Motors Corporation, Detroit, Mich. Machine to countersink twenty holes in a wheel hub shell for long spokes. 1,961,404; June 5.
- Tormyn, Herman, and F. F. Wiethoff, assignors to General Motors Corporation, Detroit, Mich. Machine to form twenty bubbles in a wheel hub shell for long spokes. 1,973,890; Sept. 18.
- Tornberg, Isidor. (See Roosen, O. C., and Tornberg.)
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press former construction. 1,967,634; July 24.
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Supplying printing presses with special paper. 1,967,635; July 24.
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web control for printing presses. 1,970,717; Aug. 21.
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple stereotype casting machine. 1,972,174; Sept. 4.
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Machine for raising areas on printing plates. 1,978,972; Oct. 30.
- Törnblom, Ernst A. E., Malmö, assignor to Ingenjörssärman C. A. C. Törnblom & Björklund, Stockholm, Sweden. Rectifier. 1,963,876; June 19.
- Tornkvist, Erik G., New York, N. Y. Safety razor. 1,977,534; Oct. 16.
- Tornsjo, Gustaf E., assignor to Research Foundation, Inc., Columbia, Mo. Adjustable humerus splint. 1,950,331; Mar. 6.
- Toro Manufacturing Company. (See Clapper, John S., assignor.)
- Torrance, John R. (See Cox, H. E., and Torrance.)
- Torrebadella, Michel, Paris, France. Air purifying device. 1,962,650; June 12.
- Torrence, George F., administrator. (See Oakes, F. J., and Tiornbrough.)
- Torrence, Maynard F. (See Anderson, J. F., Strong, and Torrence.)
- Torrence, Walter S., Carmel, N. Y., assignor to Pequea Works, Strasburg, Pa. Machine for snelling fishhooks. 1,951,222; Mar. 13.
- Torrey, Edward L., Oakland, Calif. Furnace. 1,981,378; Nov. 20.
- Torrey, Gilberta G. (See Booth, H. S., and Torrey.)
- Torrington Company, The. (See Brown, Edmund K., assignor.)
- Torrington Company, The. (See Perret, Ali, assignor.)
- Torrington Company, The. (See Schneider, George H., assignor.)
- Torson, Martin G., Kansas City, Mo. Ice cream freezing tray. 1,981,008; Nov. 20.
- Torson, Martin G., Kansas City, Mo. Ice cream freezing device. 1,981,009; Nov. 20.

- Torson, Martin G., Kansas City, Mo. Ice cream freezing tray. 1,981,010; Nov. 20.
- Torulf, Helge G., and B. Zettergren, Stockholm, Sweden; said Zettergren assignor to said Torulf. Machine for effecting kneading, crushing, mixing, and similar operations. 1,963,534; June 19.
- Tosterud, Martin, Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Coating. 1,946,148; Feb. 6.
- Tosterud, Martin, Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Coating of aluminum. 1,946,150; Feb. 6.
- Tosterud, Martin, Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Coloring aluminum. 1,965,269; July 3.
- Tosterud, Martin, Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Coloring aluminum. 1,971,240; Aug. 21.
- Tosterud, Martin, New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum hydrate of low water content and producing the same. 1,953,201; Apr. 3.
- Totty, Charles H. (See Easlea, Walter, assignor.)
- Tóth, Joseph, Budapest, Hungary. Air propeller. 1,968,918; Aug. 7.
- Toth, Louis. (See Peremi, E., and Toth.)
- Totman, Amos A., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Tablet packaging machine. 1,950,909; Mar. 13.
- Totman, Frank B., and L. P. Morris, assignors to G. J. Kuhrts, jr., Los Angeles, Calif. Mixer. 1,953,279; Apr. 3.
- Totz, Arthur F., Detroit, Mich. Shoe sole presser. 1,966,108; July 10.
- Totz, Arthur F., Detroit, Mich. Shoe presser element. 1,970,259; Aug. 14.
- Totzek, Friedrich, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Coke oven. 1,952,104; Mar. 27.
- Totzek, Friedrich, Essen, Stoppenberg, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Compound regenerative coke oven. 1,957,425; May 1.
- Totzek, Friedrich, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Heat exchanger. 1,961,258; June 5.
- Touceda, Enrique G., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Composition of matter. 1,961,626; June 5.
- Tougas, Emile E., Wollaston, and M. T. Schumb, Milton, assignors to Boston Gear Works, Inc., Quincy, Mass. Machine for dressing emery hobs. 1,946,888; Feb. 13.
- Toulmin, Harry A., jr., Dayton, Ohio, assignor to The Univis Corporation, Wilmington, Del. Lens. 1,949,698; Mar. 6.
- Toulmin, Harry A., jr., assignor to The Univis Corporation, Dayton, Ohio. Bifocal lens. 1,949,699; Mar. 6.
- Toulmin, Harry A., jr., assignor to The Univis Corporation, Dayton, Ohio. Bifocal lens. 1,958,729; May 15.
- Toulon, Pierre M. G., assignor to Sté de Recherches et de Perfectionnements Industrielles, Puteaux, France. Musical instrument working through a key-board and a photo-electric cell. 1,948,996; Feb. 27.
- Toupin, Arthur, Nicolet, Quebec, Canada. Vehicle steering gear. 1,944,333; Jan. 23.
- Tour, Reuben S., Cincinnati, Ohio. Indicating meter. 1,962,849; June 12.
- Tour, Sam, Englewood, N. J., assignor to Lucius Pitkin, Inc. Copper base alloy. 1,959,509; May 22.
- Tournat, Waldo E. (See King, LeR. M., and Tournat.)
- Tourtellotte, Wesley B. (See Obidine, Wladimir J., assignor.)
- Tourtois, Fernand R., assignor to Coty, Inc., New York, N. Y. Combined set of toilet article receptacles and container therefor. Des. 92,782; July 10.
- Toussaint, Walter J. (See Perkins, G. A., and Toussaint.)
- Tow, James O. (See Wickersham, H. P., and Tow.)
- Towell, Oscar J., assignor to Bunte Brothers, Chicago, Ill. Collapsible display container. 1,968,660; July 31.
- Towell, Oscar J., assignor to Bunte Brothers, Chicago, Ill. Folding display container. 1,968,661; July 31.
- Tower, De Witt and R. C., Spencer, Mass. Box covering machine. 1,961,436; June 5.
- Tower, Edwin B. H., jr. (See Vogel, Frederick A., assignor.)
- Tower, Elmer V. J., North Syracuse, assignor, by mesne assignments, to Automotive Patents Corporation, New York, N. Y. Friction clutch. 1,965,325; July 3.
- Tower, Elmer V. J., North Syracuse, assignor, by mesne assignments, to Automotive Patents Corporation, New York, N. Y. Friction clutch. 1,965,326; July 3.
- Tower, Elmer V. J., North Syracuse, assignor, by mesne assignments, to Automotive Patents Corporation, New York, N. Y. Clutch plate. 1,971,665; Aug. 28.
- Tower, Max L., and H. W. Dye, assignors to Niagara Sprayer and Chemical Company, Inc., Middleport, N. Y. Parasiticide and making the same. 1,945,542; Feb. 6.
- Tower, Raymond C. (See Tower, De Witt and R. C.)
- Tower, William R. (See d'Este, J. N., and Tower.)
- Towers, Donigan D., assignor to Anchor Duck Mills, Rome, Ga. Backband. 1,953,732; Apr. 3.
- Towle, Ellingwood H., Larchmont, N. Y., assignor to the United States of America as represented by the Secretary of War. Braking mechanism for airships. 1,960,762; May 29.
- Towle Manufacturing Company. (See Nock, Harold E., assignor.)
- Towle Manufacturing Company. (See Poppenhauser, Ferdinand, assignor.)
- Towler, John M., Summer Bridge, Yorkshire, England. Hydraulic system. 1,966,421; July 10.
- Towndrow, Edward F. (See Ricks, F., and Towndrow.)
- Towne, Carlton G. (See Fletcher, R. P., and Towne.)
- Towne, Charles C., Elizabeth, N. J., assignor to The Texas Company, New York, N. Y. Pyrolysis of hydrocarbon gases. 1,943,246; Jan. 9.
- Towne, Charles C., Elizabeth, N. J., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 1,967,636; July 24.
- Townsend, Albert J., Lima, Ohio. Railway vehicle. 1,947,633; Feb. 20.
- Townsend, Albert J., Lima, Ohio. Locomotive. 1,966,154; July 10.
- Townsend, Arthur J. (See Naugle, H. M., and Townsend.)
- Townsend, Charles P., Yonkers, N. Y. Educational device. 1,950,072; Mar. 6.
- Townsend, Claude M., Birmingham, England. Antifrictional bearing. 1,970,439; Aug. 14.
- Townsend, Darwin W., and J. Brower, assignors to Chain Belt Company, Milwaukee, Wis. Sludge remover. 1,947,429; Feb. 13.
- Townsend, Donald L., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,968,789; July 31.
- Townsend, Frank B., Penn Yan, N. Y. Basket handle. 1,962,416; June 12.
- Townsend, Frank C., Somerville, Mass. Theater seat. 1,964,443; June 26.
- Townsend, Frank C., Lisbon Falls, Maine. Automobile headlight shield. 1,981,761; Nov. 20.
- Townsend, Frank F. (See Berg, A. A., and Townsend.)
- Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Time switch. 1,942,074; Jan. 2.
- Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Thermostatic switch. 1,944,044; Jan. 16.
- Townsend, Harry A., Minneapolis, Minn. Device for handling stacks of cases by trucks. 1,971,952; Aug. 28.
- Townsend, John B., Newark, Ohio. Coal pulverizer. 1,977,501; Oct. 16.
- Townsend, John S., assignor to Wilson & Bennett Mfg. Company, Chicago, Ill. Can closing machine. 1,962,625; June 12.
- Townsend, John S., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Barrel. 1,962,626; June 12.
- Townsley, Frank. (See Bennett, H. W., and Townsley.)
- Townsley, Hugh B., Minneapolis, Minn. Fuel-mixing device. 1,951,262; Mar. 13.
- Townsley, Robert H., assignor to Standard Brands Incorporated, New York, N. Y. Receptacle for food products. 1,963,685; Dec. 11.
- Town Talk Manufacturing Company. (See Meyer, Eugene F., assignor.)
- Towson, Morris S., Shaker Heights, assignor to The Ellwell Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,941,767; Jan. 2.
- Toy, John H., Indianapolis, Ind. Refrigerator defroster. 1,951,456; Mar. 20.
- Toy-In-Action Corporation. (See Lill, Otto, assignor.)
- Tozer, Charles W. (See Addy, R., Gandy, and Tozer.)
- Tracey, Bernard C., Schenectady, N. Y., assignor to General Electric Company. Reconditioning of worn rail joints. 1,976,526; Oct. 9.
- Trachsel, Louis S., Franklin, Pa., assignor to Chicago Railway Equipment Company, Chicago, Ill. Sign holder. 1,952,396; Mar. 27.
- Trachtenberg, Samuel, Cleveland, Ohio. Safety razor. 1,950,073; Mar. 6.
- Trackson Company. (See Frank, Louis C., assignor.)
- Tracy, Charles S., Rochester, N. Y. Lawn sprinkler. 1,962,263; June 12.
- Tracy, Edwin S. (See Maquire, E. L., and Tracy.)
- Tracy, Hayden H., San Francisco, Calif. Flash light attachment for cameras. 1,973,937; Sept. 18.
- Tracy, Howard E., assignor to O. S. Walker Company, Inc., Worcester, Mass. Grinding machine. 1,945,986; Feb. 6.
- Tracy, James J., Shaker Heights, Ohio. Dust protector for track rollers, etc. 1,959,697; May 22.
- Tracy, Joseph, Rutherford, N. J. Apparatus for making accurate dynamometric determinations. 1,944,334; Jan. 28.
- Tracy, Lyndon S., assignor to The Solvay Process Company, Syracuse, N. Y. Mining. 1,960,932; May 29.
- Tracy, Michael J., St. Louis County, assignor to Pauly Jail Building Company, St. Louis, Mo. Doorframe. 1,948,602; Feb. 27.
- Tracy, Michael J., St. Louis County, assignor to Pauly Jail Building Company, St. Louis, Mo. Safety flushing apparatus. 1,956,085; Apr. 24.
- Tracy, Michael J., St. Louis County, assignor to Pauly Jail Building Company, St. Louis, Mo. Safety flushing apparatus. 1,956,086; Apr. 24.
- Tracy, Michael J., St. Louis County, assignor to Pauly Jail Building Company, St. Louis, Mo. Safety flushing apparatus. 1,956,087; Apr. 24.
- Tracy, Nelson, Carman, Manitoba, Canada. Grain hulling machine. 1,980,837; Nov. 13.

- Tracy, Paul, Rydal, New South Wales, Australia. Non-collapsible inflation tube for pneumatic tires. 1,970,675; Aug. 21.
- Tracy, Pratt E., and D. M. Dow, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner floor tool. 1,968,974; Aug. 7.
- Tracy, Robert W. (See Carr, W. P., and Tracy.)
- Tracy, Robert W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 1,958,730; May 15.
- Trager, Paul E., Elgin, and E. C. Berg, Chicago, Ill., assignors to Ace Carton Corporation. Display stand. 1,976,421; Oct. 9.
- Trafton, Ernest E., Portland, Maine, assignor, by mesne assignments, to Avite Products, Inc., Boston, Mass. Filter. Re19,298; Aug. 28.
- Trafton, William M., deceased; The National Bank of Commerce and Trust Company, Providence, R. I., executor. Light control system. 1,951,495; Mar. 20.
- Träger, Ludwig, assignor of one-half to H. Netal, Vienna, Austria. Chassis for motor vehicles. 1,960,356; May 29.
- Trageser, Albert H., and L. Hassinger, New York, N. Y. Welded joint and producing the same. 1,952,955; Mar. 27.
- Trageser, Charles F., assignor to Stadium Underwear Company, Incorporated, Baltimore, Md. Garment. 1,973,419; Sept. 11.
- Trail, Herbert H., Vancouver, British Columbia, Canada, assignor to Motor Devices, Inc., Chicago, Ill. Controlling starting motor and ignition circuits. 1,946,555; Feb. 13.
- Trail, Herbert H., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to M. B. Fulcher, Chicago, Ill. Controlling starting motor and ignition circuits. 1,961,804; June 5.
- Trailer Company of America. (See Jones, R. B., and Black, assignors.)
- Trall, David, and A. S. Levesley, Saltcoats, Scotland, assignors to Imperial Chemical Industries, Ltd. Cellulose ether and making same. 1,943,461; Jan. 16.
- Trall, William A., Westmont, Quebec, Canada. Direction indicator. 1,980,772; Nov. 13.
- Trallor Engineering & Manufacturing Company. (See Traylor, Bruce W. and S. W., Jr., assignors.)
- Trainer, James E. (See Kerr, H. J., and Trainer.)
- Trainer, James E., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Riveting jack. 1,942,785; Jan. 9.
- Trainer, James E., Akron, Ohio, and C. M. Day, Denver, Colo., assignors to The Babcock & Wilcox Company, Newark, N. J. Pipe section. 1,979,424; Nov. 6.
- Trainer, James E., Fairlawn, and B. H. Miller, Wadsworth, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Conduit junction. 1,984,242; Dec. 11.
- Tramm, Heinrich, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Producing mixed fertilizers. 1,965,301; July 3.
- Trammell, Webb, U. S. Navy. Insect trap. 1,946,509; Feb. 13.
- Tramplier, Charles R., sr., St. Louis, Mo. Protector for drinking vessels. 1,944,045; Jan. 16.
- Tranaas, Emil L., assignor to Koehring Company, Milwaukee, Wis. Tie member for tandem pavers. 1,946,922; Feb. 13.
- Tranaas, Emil L., assignor to Koehring Company, Milwaukee, Wis. Side by side drum mixing machine. 1,979,915; Nov. 6.
- Tranin, Samuel, Kansas City, Mo. Preparing dried egg product. 1,951,889; Mar. 20.
- Tranin, Samuel, and R. M. Snyder, Kansas City, Mo.; said Snyder assignor to said Tranin. Treating food products. 1,945,102; Jan. 30.
- Tranin, Samuel, and R. M. Snyder, Kansas City, Mo.; said Snyder assignor to said Tranin. Treating solid food products. 1,975,991; Oct. 9.
- Transelectric Company. (See Hamer, William D., assignor.)
- Transiskus, Theodore, Buffalo, N. Y. Exhaust silencer. 1,949,667; Mar. 6.
- Transit Advertising, Incorporated. (See Loveless, Fred H., assignor.)
- Transit Mixers Inc. (See Knowles, Albert, assignor.)
- Transit Mixers, Inc. (See Reed, Arthur G., assignor.)
- Translode Joint Company, The. (See Robertson, Robert R., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Curtis, Kenneth L., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Halloran, Frank E., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Newman, David F., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Newman, D. F., and Underwood, assignors.)
- Trans-Lux Daylight Picture Screen Corporation. (See Smoot, John H., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Troeger, Ernest A., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Unkles, Edward H., assignor.)
- Transo Envelope Co. (See Sauerman, Ernest W., assignor.)
- Transtrom, Robert L., Los Angeles, Calif. Stereoscopic camera. 1,952,519; Mar. 27.
- Transue, Rogers B., Chambersburg, Pa. Attachment for loom let-off mechanisms. 1,971,515; Aug. 28.
- Transue & Williams Steel Forging Corporation. (See Williams, George E., assignor.)
- Trant, John H., Jr., Norfolk, Va. Asphalt spreader. 1,978,773; Oct. 30.
- Traphagen, Harry R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Fertilizer distributor. 1,971,800; Aug. 28.
- Trapnell, John M., assignor to R. D. Cole Manufacturing Co., Newnan, Ga. Shallow depth storage tank. 1,953,202; Apr. 3.
- Trapp, Charles L., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Grain dump. 1,968,624; July 31.
- Traquair, John, Chillicothe, assignor to The Mead Research Engineering Company, Dayton, Ohio. Paper manufacture. 1,961,405; June 5.
- Traquair, John, and F. G. Rawling, assignors, by mesne assignments, to The Mead Corporation, Dayton, Ohio. Paper manufacture. 1,942,622; Jan. 9.
- Trask, Everett. (See Pollard, J. F., and Trask.)
- Tratsch, Walter A., Chicago, Ill. Coin chute. 1,941,637; Jan. 2.
- Tratsch, Walter A., Chicago, Ill. Coin slide. 1,941,638; Jan. 2.
- Tratsch, Walter A., Chicago, Ill. Coin chute. 1,952,956; Mar. 27.
- Traub, Frank, Lakewood, N. J. Garment hanger. 1,970,478; Aug. 14.
- Traub, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Electric discharge device. 1,980,017; Nov. 6.
- Traube, Wilhelm, and F. Kubbier, Berlin, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Complex compound of metals with aliphatic polyhydroxy-carboxylic acids and making the same. 1,964,696; June 26.
- Traudt, William F., Buffalo, N. Y. Liquid pumping mechanism. 1,965,783; July 10.
- Traudt, William F., Buffalo, N. Y. Apparatus for washing or treating materials. 1,983,155; Dec. 4.
- Trauschka, Hugo. (See Sorescu, S., Donath, and Trauschka.)
- Traut, Adolf, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Apparatus for low temperature carbonization. 1,967,691; July 24.
- Traut, Clifford, assignor to The Higgin Manufacturing Company, Newport, Ky. Device for controlling tension of spring rollers. 1,947,070; Feb. 13.
- Trautmann, Bailey & Blampey, Inc. (See Behrens, Albert I., assignor.)
- Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Instrument stand. Des. 91,574; Feb. 20.
- Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Attachment for lens mounts. 1,971,434; Aug. 28.
- Trautmann, Otto E., and O. G. H. Kallenbach, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Field glass. 1,952,224; Mar. 27.
- Trautner, Wagn, Kansas City, Mo. Retractable discharge nozzle for pump. 1,958,253; May 8.
- Trautvetter, George. (See Miller, P. N., and Trautvetter.)
- Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Weather seal for vehicle body closures. 1,965,014; July 3.
- Trautz, Kathryn H., administratrix. (See Trautz, Michael J.)
- Trautz, Michael J., deceased, by K. H. Trautz, administratrix, St. Louis, Mo. Collapsible box. 1,962,920; June 12.
- Travatex Products Corporation. (See Snell, Foster D., assignor.)
- Travelite Rubber Co. (See Rooney, John J., assignor.)
- Travelo Corporation. (See Steuer, Bernard, assignor.)
- Traver, Edward V., New York, N. Y. Health glider. 1,982,843; Dec. 4.
- Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Control of electric circuits. 1,946,299; Feb. 6.
- Traver Paper & Manufacturing Co. (See Beck, William E., assignor.)
- Traver Paper & Manufacturing Co. (See Traver, Paul C., assignor.)
- Traver, Paul C., assignor to Traver Paper & Manufacturing Co., Chicago, Ill. Method of and apparatus for removing slip sheets. 1,960,933; May 29.
- Travers, Gordon. (See Record, Forrest M., assignor.)
- Travers, William J., Buffalo, N. Y. Protection of metals. 1,971,761; Aug. 28.
- Travilla, James C., Jr., Philadelphia, Pa., and E. G. Hallquist, Edwardsville, assignors to General Steel Castings Corporation, Granite City, Ill. Rocker centering device. 1,953,280; Apr. 3.
- Travilla, James C., Jr., Philadelphia, Pa., and E. G. Hallquist, Edwardsville, assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,964,095; June 26.
- Travis, Samuel L. (See Trunsky, Peter, assignor.)
- Traxel, Charles E., Rome, assignor to General Cable Corporation, New York, N. Y. Wiredrawing machine. 1,945,339; Jan. 30.
- Trayer, George. (See Hall, Arthur L., assignor.)

- Traylor, Bruce W. and S. W., jr., Allentown, Pa., assignors to Traylor Engineering & Manufacturing Company. Pump. 1,949,589; Mar. 6.
- Traylor Engineering & Manufacturing Company. (See Cheesman, Richard D., assignor.)
- Traylor, Samuel W., jr. (See Traylor, Bruce W. and S. W., jr.)
- Tray Service Company. (See Lack, Fred S., assignor.)
- Tray Service Company. (See Suiter, Clyde C., assignor.)
- Trobojevich, Nikola, Highland Park, Mich. Method of and machine for generating gears. 1,972,544; Sept. 4.
- Trobojevich, Nikola, Detroit, Mich. Gear and gear tooth. 1,973,185; Sept. 11.
- Trobojevich, Nikola, Detroit, Mich. Worm gearing. 1,980,237; Nov. 13.
- Trobojevich, Nikola, Detroit, Mich., assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,954,504; Apr. 10.
- Treadwell Engineering Company. (See Mikaelson, Erik W., assignor.)
- Treadwell Engineering Company. (See Schreck, Hans L., assignor.)
- Treadwell, M. H., Inc. (See Nordin, Arvid, assignor.)
- Treadwell, William D. (See Weber, J., von Zeerleder, and Treadwell.)
- Treanor, Earl E. (See Norquist, V. C., and Treanor.)
- Treanor, John E., Nogales, Ariz. Carbonating apparatus. 1,943,903; Jan. 16.
- Trease, Joshua A., Orchard, Nebr. Animal restraining device. 1,964,653; June 26.
- Trebes, Bruno M. A. (See Arkema, H. P., and Trebes.)
- Trebes, Bruno M. A., Oak Park, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Machine for preshaping and applying tapes. 1,953,598; May 15.
- Tresdale Laboratories, Inc. (See Hochstetter, Frederick W., assignor.)
- Trefethen, Charles G. (See Belden, A. G., and Trefethen.)
- Trefethen, Charles G., Worcester, Mass. Alarm device. 1,979,653; Nov. 6.
- Tregenza, Ernest T., Coventry, England, assignor to General Electric Company. Radio apparatus. 1,958,282; May 8.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Margin stop. 1,949,436; Mar. 6.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Printing instrumentalities for typewriting machines. 1,955,987; Apr. 24.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Line lock mechanism, bell ringing means, and margin release for typewriting machines. 1,963,158; June 19.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Tabulating mechanism for typewriting machines. 1,964,748; July 3.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Variable spacing and carriage release mechanism. 1,964,749; July 3.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Escapement mechanism for typewriting machines. 1,964,750; July 3.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Carriage release mechanism for typewriting machines. 1,964,751; July 3.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Carriage feed mechanism. 1,965,677; July 10.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Printing mechanism for typewriting machines. 1,967,272; July 24.
- Trego, Frank H., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Printing mechanism for typewriting machines. 1,967,273; July 24.
- Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric candle socket. 1,948,144; Feb. 20.
- Treiber, Otis D., assignor to Hercules Motors Corporation, Canton, Ohio. Compression ignition internal combustion engine. 1,960,093; May 22.
- Treichel, John B., Audubon, assignor to MacAndrews and Forbes Company, Camden, N. J. Composition for and method of producing airfoam for fire extinguishing purposes. 1,971,997; Aug. 28.
- Treitel, Harold A., New York, N. Y. Coffee table. Des. 93,307; Sept. 11.
- Treloar, Foster, Detroit, Mich. Adjustable arbor support. 1,968,863; Aug. 7.
- Tremblay, Ulvise, Lawrence, Mass. Magazine cradle. 1,981,762; Nov. 20.
- Tremblay, Louis E., Pittsfield, Mass., assignor to General Electric Company. Producing flattened metal tubes. 1,982,862; Nov. 27.
- Tremblay, Patrick F., Lewiston, Maine. Pipe. 1,975,027; Sept. 25.
- Trembour, Max R., Beaver, assignor to Jessop Steel Company, Washington, Pa. Making composite metal articles. 1,950,871; Mar. 13.
- Trembour, Max R., Beaver, assignor to Jessop Steel Company, Washington, Pa. Manufacturing composite steel articles. 1,952,002; Mar. 20.
- Tranco Manufacturing Company, The. (See Clark, Samuel, assignor.)
- Tremolada, Guglielmo, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Cable drum construction for rotary draw-works. 1,949,553; Mar. 6.
- Tremolieres, Gustave H., Neuilly-sur-Seine, France. Mechanical power transmission chain. 1,948,404; Feb. 20.
- Tremont Products Corporation. (See Smith, Raymond D., assignor.)
- Tremouroux, Charles, Denec, Belgium. Automatic binding machine. 1,967,566; July 24.
- Tremper, John E., Newport News, Va. Holly wreath. Des. 91,549; Feb. 20.
- Trencham, Henry, Ruislip, England, assignor to General Electric Company. Electric circuit breaker. 1,959,224; May 15.
- Trencham, Henry, Ruislip, and H. C. Heath, Wembley, England, assignors to General Electric Company. Oil circuit breaker. 1,965,440; July 3.
- Trenle China Company. (See Berger, John, assignor.)
- Trent, Harold E., Lansdowne, Pa. Wax holder. 1,943,749; Jan. 16.
- Trenton Spring Products Company. (See Hager, H. F., and McCoy, assignors.)
- Treptow, George R., assignor to Camel Company, Chicago, Ill. Car construction. 1,943,640; Jan. 16.
- Trescott, Chester C., et al. (See Bagdley, Cecil F., assignor.)
- Trescott Company, The. (See Trescott, Willis A., assignor.)
- Trescott, Willis A., assignor to The Trescott Company, Inc., Fairport, N. Y. Fruit cleaning machine. 1,957,305; May 1.
- Tressler, Edgar C. (See Cole, R. A., and Tressler.)
- Tressler, Donald K. (See Labarthe, J., jr., and Tressler.)
- Tressler, Donald K., Gloucester, Mass., assignor to The Mathieson Alkali Works, Incorporated, New York, N. Y. Preparing aliphatic ketones. 1,941,640; Jan. 2.
- Tressler, Donald K., Pittsburgh, Pa., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Wax-like substances and preparing same. 1,979,586; Nov. 6.
- Tressler, Donald K., and C. Schade, Pittsburgh, Pa., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Wax-like substances and preparing the same. 1,941,639; Jan. 2.
- Treston, Clarence J., Philadelphia, assignor to Kioister Laboratories Corporation, Ephrata, Pa. Calcium hydroxyethylphenylamino para sulphate and preparing same. 1,958,218; May 8.
- Trestrail, Donald T., Tulsa, Okla. Wrapper for neckties. 1,945,099; Jan. 30.
- Tretbar, Edward F., jr., Camden, N. J. Apparatus for kerfing blocks for printing. 1,985,302; Dec. 25.
- Tretolite Company. (See DeGroote, Melvin, assignor.)
- Tretolite Company. (See De Groote, M., Adams, and Farr, assignors.)
- Tretolite Company. (See De Groote, M., Adams, and Keiser, assignors.)
- Tretolite Company. (See De Groote, M., and Keiser, assignors.)
- Tretolite Company. (See De Groote, M., Keiser, and Wirtel, assignors.)
- Tretolite Company. (See De Groote, M., and Roberts, assignors.)
- Tretolite Company. (See De Groote, M., and Wirtel, assignors.)
- Tretolite Company. (See Roberts, Claudius H. M., assignor.)
- Treuting, Herbert R., Newark, N. J., assignor to American Machine & Foundry Company, New York, N. Y. Working metals. 1,977,562; Oct. 16.
- Trevaskis, Henry. (See Goodyear, E. F., Wright, and Trevaskis.)
- Trevisan, Dominic A., East Lansdowne, Pa., and F. A. MacRae, Camden, N. J. Base plate for ships and building structures. 1,950,277; Mar. 6.
- Trew, James W. (See Rice, A. E., and Trew.)
- Trew, James W., Gettysburg, assignor to Rice, Trew & Rice Co., Inc., Biglerville, Pa. Guard for tomato lugs or similar containers. 1,963,925; June 19.
- Trew, James W., Gettysburg, assignor to Rice, Trew & Rice Co., Inc., Biglerville, Pa. Guard for tomato lugs. 1,963,926; June 19.
- Trew, James W., Gettysburg, assignor to Rice, Trew & Rice Co., Inc., Biglerville, Pa. Basket liner. 1,966,270; July 10.
- Trew, James W., Gettysburg, assignor to Rice, Trew & Rice Co., Inc., Biglerville, Pa. Guard for tomato lugs and similar containers. 1,967,457; July 24.
- Trew, James W., Gettysburg, assignor to Rice, Trew & Rice Co., Inc., Biglerville, Pa. Packing fruit and the like. 1,969,284; Aug. 7.
- Trey, Serge, and W. Howard, College Point, N. Y. Aeroplane wing. 1,979,298; Nov. 6.
- Triana, Juan F., Habana, assignor of one-half to A. E. Novoa, Marianao, Habana, Cuba. Apparatus for polishing explosion engine valves. 1,985,648; Dec. 25.
- Triangle Package Machinery Co. (See Colver, Charles C., assignor.)
- Tribout, Lucien, assignor to Société d'Etude de Distributeurs Automatiques S. E. D. A., Paris, France. Liquid dispensing apparatus. 1,942,347; Jan. 2.

- Tribune Company, The. (See Wolf, Otto R., assignor.)
- Tricard, Rene, Paris, France, assignor to Lenthieric Incorporated, New York, N. Y. Box. Des. 92,780; July 10.
- Tricard, Rene, Paris, France, assignor to Lenthieric Incorporated, New York, N. Y. Cosmetic bottle. Des. 92,781; July 10.
- Trickey, William W., assignor to Lock Joint Pipe Company, East Orange, N. J. Pipe joint. 1,976,589; Oct. 9.
- Trico Products Corporation. (See Horton, E. C., and Dykstra, assignors.)
- Trico Products Corporation. (See Horton, E. C., and Hueber, assignors.)
- Trico Products Corporation. (See Hueber, Henry, assignor.)
- Trico Products Corporation. (See Hueber, H., and Dykstra, assignors.)
- Trico Products Corporation. (See Hueber, H., and Horton, assignors.)
- Trico Products Corporation. (See Mussen, Donald N., assignor.)
- Trico Products Corporation. (See Oishei, John R., assignor.)
- Trico Products Corporation. (See Oishei, J. R., Hueber, Paulus, and Horton, assignors.)
- Trico Products Corporation. (See Oishei, J. R., and Paulus, assignors.)
- Trico Products Corporation. (See Paulus, William, assignor.)
- Trico Products Corporation. (See Phillips, John X., jr., assignor.)
- Trico Products Corporation. (See Rappl, Anton.)
- Trico Products Corporation. (See Schaal, Earl V., assignor.)
- Trico Products Corporation. (See Weldman, August A., assignor.)
- Tridle, Jacob C., Fresno, Calif. Combination furniture. 1,942,623; Jan. 9.
- Trimbach, Clem G., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Gun mount. 1,968,182; July 31.
- Trimbey, Edward J., Glens Falls, N. Y. Screening pulp. 1,978,443; Oct. 30.
- Trimble, William H., and J. N. Clark, Dallas, Tex. Cradle for storage batteries. 1,952,150; Mar. 27.
- Trimby, J. C. (See Atwood, Harry D., assignor.)
- Trimont Manufacturing Co. Inc. (See Paterson, Wilmot M., assignor.)
- Trinity Wheel Corporation. (See Baker, Frederick W., assignor.)
- Trinkle, Dallas R. (See Prouty, T. C., and Trinkle.)
- Trinks, Willibald, Pittsburgh, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Firing furnaces. 1,964,544; June 26.
- Tri Pie Corporation. (See Trompeter, David, assignor.)
- Triple Insulaire Co., The. (See Aschenbrener, Rudolph A., assignor.)
- Triplett, Ray L., Bluffton, Ohio. Moving coil electrical measuring instrument. 1,963,283; June 19.
- Triplett, Ray L., Bluffton, Ohio. Portable electrical measuring instrument. 1,963,284; June 19.
- Triplex Products Corporation. (See Fisher, Reuben F., assignor.)
- Tripp, Charles A., deceased, Wilmington, Del., by Wilmington Trust Company and E. W. Tripp, executors, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card tabulating machine. 1,978,919; Oct. 30.
- Tripp, Elizabeth W., executrix, et al. (See Tripp, Charles A.)
- Tripp, Francis R., Bristol, England. Overcoat, raincoat, and like garment. 1,965,995; July 10.
- Trippe, Graham, Evanston, Ill. Reflector. 1,953,838; Apr. 3.
- Trippeda, Charles S., New York, N. Y. Adjustable and detachable handle connection. 1,979,180; Oct. 30.
- Trippensee, Frank J. (See Anderson, William H., assignor.)
- Trippensee, Frank J., et al. (See Doman, A. E., and Sayre, assignors.)
- Trispel, Frank W. (See Harley, W. S., and Trispel.)
- Tritle, John F., Erie, Pa., assignor to General Electric Company, Fuse. 1,950,199; Mar. 6.
- Tritle, John F., Erie, Pa., assignor to General Electric Company, Electrical coupler. 1,950,200; Mar. 6.
- Tritle, John F., and R. O. Eaton, Erie, Pa., assignors to General Electric Company, Circuit controller. 1,975,564; Oct. 2.
- Tritschler, Eugen, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie. Baden, Switzerland. Current transformer. 1,953,519; Apr. 3.
- Triumph Manufacturing Company, The. (See Dell, George W., assignor.)
- Trobridge, Geoffrey W., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, Birmingham, England. Coating or impregnating fabric with rubber. 1,955,840; Apr. 24.
- Trobridge, Geoffrey W., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Manufacture of rubber articles. 1,959,556; May 22.
- Troeger, Ernest A., Brooklyn, assignor, by mesne assignments, to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,969,485; Aug. 7.
- Troeger, Karl, St. Moritz, Switzerland. Stadium. 1,974,223; Sept. 18.
- Troell, Lewis S., Brooklyn, N. Y. Tail gate elevator. 1,977,655; Oct. 23.
- Trofimoff, Iwan, Moskau, Russia. By-passing device for idle running steam engines. 1,950,705; Mar. 13.
- Trofimov, Lev A., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electroresponsive device and apparatus. 1,980,736; Nov. 13.
- Trogman, William, Chicago, Ill. Box. 1,959,649; May 22.
- Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Control system. 1,949,590; Mar. 6.
- Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Remote switching control system. 1,972,501; Sept. 4.
- Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Selective filter system. 1,985,303; Dec. 25.
- Troisi, Fiorentino G., Pittsburgh, Pa. Valve. 1,967,792; July 24.
- Trojani, Pietro. (See d'Ascanio, Corradino, assignor.)
- Troland, Leonard T., deceased, by Cambridge Trust Company, executor, Cambridge, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Film marking. 1,963,510; June 19.
- Troland, Leonard T., Cambridge, Mass., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Measuring color value. 1,971,737; Aug. 28.
- Troland, Leonard T., Cambridge, Mass., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Film conveying method and apparatus. 1,974,935; Sept. 25.
- Trolander, Elmer W., and W. C. Wilson, assignors to Pyroxylin Products, Inc., Chicago, Ill. Protecting rubber. 1,973,398; Sept. 11.
- Troll, Frederick J., Towson, Md. Defrosting indicator for mechanical refrigerators. 1,945,100; Jan. 30.
- Troll, Frederick J., Towson, assignor to R. N. Baer, Baltimore, Md. Razor blade wiper and drier. 1,983,011; Dec. 4.
- Trolley Conveyors Development Foundation, Inc. (See Shafer, Samuel, jr., assignor.)
- Trolley, Isaac, assignor to Fred H. Bateman Company, York, Pa. Potato planter. 1,963,036; June 12.
- Tromanhauser, Jesse J., Buffalo, N. Y. Electrical swivelled connector. 1,956,966; May 1.
- Trombetta, Panfilo. (See Wilms, C. O., and Trombetta.)
- Tromblee, Frank E., Plattsburg, N. Y. Combination ball bat and catcher. 1,964,232; June 26.
- Trompeter, David, Baldwin, assignor to Tri Pie Corporation, Brooklyn, N. Y. Pie making machinery and die. 1,959,011; May 15.
- Tronolone, Frank W., assignor to Thomas Construction Corporation, Buffalo, N. Y. Connector. 1,959,310; May 15.
- Tropic-Aire Incorporated. (See Butterfield, Vernon J., assignor.)
- Tropic-Aire, Inc. (See Rose, H., assignor, and Soreng.)
- Tropical Fibres, Inc. (See Gardner, Frederick P., assignor.)
- Tropsch, Hans, assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 1,981,129; Nov. 20.
- Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,951,586; Mar. 20.
- Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,961,259; June 5.
- Tross, Ernest E., Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Uncoiler. 1,984,778; Dec. 18.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,975,810; Oct. 9.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,975,811; Oct. 9.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,975,909; Oct. 9.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,975,910; Oct. 9.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,976,701; Oct. 9.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,976,702; Oct. 9.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,981,886; Nov. 27.
- Trott, Rolland S., Denver, Colo. Engine mounting. 1,982,593; Nov. 27.
- Trott, Rolland S., Denver, Colo. Engine mounting for automotive vehicles. 1,982,594; Nov. 27.
- Trotter, George C., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Lock washer. 1,963,535; June 19.
- Trotter, George C., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Self-locking screw. 1,963,536; June 19.
- Trotter, Henry R., assignor to Hacker Manufacturing Company, Chicago, Ill. Power cylinder precision proof press. 1,985,845; Dec. 25.
- Trotter, William, San Francisco, and E. W. Wilkinson, Berkeley, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y. Ore concentration. 1,976,203; Oct. 9.

- Trouant, Virgil E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmitting system. 1,953,140; Apr. 3.
- Trouant, Virgil E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Standard-frequency apparatus. 1,971,086; Aug. 21.
- Troughear, Joseph R. (See Williams, J., and Troughear.)
- Troup, Forrest W., Lake Village, Ind. Electrically operated brake. 1,977,535; Oct. 16.
- Trout, George H., Chicago, Ill., assignor, by mesne assignments, to International Projector Corporation, New York, N. Y. Cabinet. 1,961,803; June 5.
- Troutman, William J. (See Stover, Clayton, assignor.)
- Trowbridge, Cyrus P. (See Marsel, Joseph, assignor.)
- Trowbridge, Miles L., Pomona, assignor to Brodrex Company, Los Angeles, Calif. Coating fresh fruit in preparation for market. 1,985,846; Dec. 25.
- Trowbridge, William S., assignor to American Steel Foundries, Chicago, Ill. Yoke. 1,953,375; Apr. 3.
- Troxel, Frank A., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Manufacture of tubes by the push bench process. 1,981,930; Nov. 27.
- Troxell, Harry L., Wynnewood, Pa. Canvas attaching means for folding chairs. 1,959,603; May 22.
- Troxwell, Willard W. (See Ober, B., Pagon, Pruett, and Troxwell.)
- Troy, Daniel W., Montgomery, Ala. Coin testing. 1,964,966; July 3.
- Troy, Edwin F., Jacksonville, Fla. Pipe cleaning device. 1,945,208; Jan. 30.
- Troy Laundry Machinery Co. (See Harlan, Howard H., assignor.)
- Troy Laundry Machinery Co., Inc. (See Schenck, Le Roy C., assignor.)
- Troy, Max, assignor to General Linen Supply & Laundry Co., Inc., Brooklyn, N. Y. Laundering machine. 1,968,233; July 31.
- Troy, Seymour, New York, N. Y. Shoe. Des. 92,505; June 12.
- Troy, Seymour, New York, N. Y. Woman's shoe. Des. 92,783; July 10.
- Troy, Seymour, New York, N. Y. Sandal. Des. 93,057; Aug. 14.
- Troy, Seymour, New York, N. Y. Shoe construction. 1,966,808; July 17.
- Troy, Seymour, New York, N. Y. Shoe and making the same. 1,967,914; July 24.
- Troyer, Nelson, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Can vacuumizing and sealing machine. 1,983,252; Dec. 4.
- Troyer, Nelson, and P. E. Pearson, Seattle, Wash., assignors to Continental Can Company, Inc., New York, N. Y. Oval can seamer. 1,961,994; June 5.
- Troyer, Nelson, and P. E. Pearson, Seattle, Wash., assignors to Continental Can Company, Inc. Automatic clutch for can and cover feed mechanism. 1,962,288; June 12.
- Troyer, Nelson, and P. E. Pearson, Seattle, Wash., assignors to Continental Can Company, Inc. Can vacuumizing and closing machine. 1,983,253; Dec. 4.
- Troyk, Felix, Morris, Ill. Two-piece cushion carton. 1,964,305; June 26.
- Truax, William T., Battle Creek, Mich., assignor to United States Register Co. Fabricated face for ventilators. 1,969,437; Aug. 7.
- Truax, William T., assignor to United States Register Co., Battle Creek, Mich. Plaster-dusttype register frame. 1,975,523; Oct. 2.
- Trubel, George, Chicago, Ill. Knife. 1,960,130; May 22.
- Trubenizing Process Corporation. (See Liebowitz, Benjamin, assignor.)
- Trubert, René, Arras, Pas-de-Calais, France. Automatic mixer for hot and cold water. 1,943,705; Jan. 16.
- Trubert, René, Arras (Pas-de-Calais), France. Remote control device for electric motors. 1,945,545; Jan. 30.
- Trucksess, David E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed regulator system. 1,962,333; June 12.
- Trucotte, Antoine, Mexico, Maine. Closure fastener. 1,941,641; Jan. 2.
- Trne, Edwin S., Oak Park, Ill. Electrical device. 1,981,681; Nov. 20.
- True, Melville J., assignor to Armour and Company, Chicago, Ill. Egg filtering apparatus. 1,946,772; Feb. 13.
- Trueman, Robert A., Everett, Mass. Non splash spraying guard. 1,982,086; Nov. 27.
- Truesdale, Edward C., and E. J. Wilhelm, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Anodic coating of zinc base metals. 1,953,997; Apr. 10.
- Truesdale, Edward C., and E. J. Wilhelm, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Anodic coating of zinc base metals. 1,953,998; Apr. 10.
- Truesdale, Edward C., E. J. Wilhelm, and C. E. Reinhard, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Anodic coating of zinc base metals. 1,953,999; Apr. 10.
- Truesdale, Edward C., and E. J. Wilhelm, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Anodic coating of zinc base metals. 1,954,000; Apr. 10.
- Truesdell, Fred A., Cleveland, Ohio. Hydraulic mechanism. 1,946,510; Feb. 13.
- Truffaut, Georges, Versailles, and I. Pastak, Viroflay, assignors to the firm Societe Anonyme Etablissements et Laboratoires Georges Truffaut, Versailles, France. Remedy for combating diseases of plants and in a process for applying same. 1,947,320; Feb. 13.
- Trull, Waldo, and L. Clement, Cranford, N. J. Duplicating device. 1,975,488; Oct. 2.
- Truman, Frederick, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 91,600; Feb. 20.
- Truman, Orley H., Houston, Tex., assignor to Standard Oil Development Company. Magnetometer. 1,943,850; Jan. 16.
- Truman, Orley H., Houston, Tex., assignor to Standard Oil Development Company. Optical torsion balance. 1,963,252; June 19.
- Trumble, Milton J., Alhambra, and W. L. Seeley, Los Angeles, assignors to Processco, Limited, San Francisco, Calif. Hydrogenating gas generating apparatus. 1,948,808; Feb. 27.
- Trumble, Milton J., Alhambra, and W. L. Seeley, Los Angeles, assignors to Processco, Limited, San Francisco, Calif. Hydrogenation and dephlegmation apparatus. 1,948,809; Feb. 27.
- Trumbull Electric Manufacturing Company, The. (See Carlson, John E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Cassidy, Leonard P., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Hanny, Charles E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Hannyk, Charles E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Harvey, Frank, assignor.)
- Trumbull Electric Manufacturing Company, The. (See Ohlson, Reynold A., assignor.)
- Trumbull Electric Manufacturing Company. (See von Normann, Alfred G., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Wessel, Howard H., assignor.)
- Trumbull, Frank S., Providence, R. I. Spoon or similar article. Des. 91,795; Mar. 20.
- Trumbull, Frank S., Providence, R. I. Spoon or similar article. Des. 92,988; Aug. 7.
- Trumbull, George R., assignor to The Bulls-Eye Electric Manufacturing Company, Torrington, Conn. Fuse plug. 1,982,584; Nov. 27.
- Trumbull, Harlan L., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Photographic developer and developing. 1,969,243; Aug. 7.
- Trumbull, Harlan L., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making articles from latex. 1,978,843; Oct. 30.
- Trumpler, William E., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Bearing. 1,946,993; Feb. 13.
- Trunsky, Peter, assignor to S. L. Travis, Detroit, Mich. Reclaiming fibrous materials. 1,973,450; Sept. 11.
- Trupar Manufacturing Company. (See Flora, Albert N., assignor.)
- Truppe, John, and C. Buhlman, Brooklyn, N. Y. Pneumatic tire. 1,954,505; Apr. 10.
- Truscon Steel Company. (See Hughes, Grover A., assignor.)
- Truscon Steel Company. (See Kahn, Julius, assignor.)
- Truscon Steel Company. (See Kahn, J., and Schulz, assignors.)
- Truscon Steel Company. (See Kahn, J., and White, assignors.)
- Truscon Steel Company. (See Landolt, Charles F., assignor.)
- Truscon Steel Company. (See Morgan, David H., assignor.)
- Truscon Steel Company. (See Schaffert, Adolf H., assignor.)
- Truscon Steel Company. (See Schaffert, A. H., and Van-Voorhees, assignors.)
- Truscon Steel Company. (See Schulz, Walter F., assignor.)
- Truscon Steel Company. (See White, Clarence H., assignor.)
- Truscon Steel Company. (See White, Herbert E., assignor.)
- Truscon Steel Company. (See White, H. E., and McLaughlin, assignors.)
- Truslow, James L., assignor to Whitin Machine Works, Whitinsville, Mass. Two speed drive for spinning frames. 1,965,163; July 3.
- Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose leaf binder. 1,953,981; Apr. 10.
- Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf holder. 1,973,420; Sept. 11.
- Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
- Trust, George E., Plainfield, N. J. Bulb holder. 1,957,086; May 1.
- Trustees of Dartmouth College. (See Ames, A., jr., and Gliddon, assignors.)

- Truthan, Edwin J. (See Reske, F. J., and Truthan.)
 Trutner, Donald G. (See Anderson, V., and Trutner.)
 Tru-Way Manufacturing Company. (See Walker, Albert O., assignor.)
 Tryder, George H. (See Reynolds, C. H., and Tryder.)
 Tryon, George G., Glendale, Calif. Fluid heater economizer. 1,943,750; Jan. 16.
 Tryon, Richard W. (See Booth, C. M., and Tryon.)
 Tryon, Richard W., Elizabeth, N. J., and J. O. F. Helle, Brooklyn, N. Y., assignors to Standard Oil Development Company. Heat exchanger. 1,955,261; Apr. 17.
 Tryon, Richard W., and G. M. Booth, Elizabeth, N. J., assignors to Standard Oil Development Company. Frangible rod and disk type safety valve. 1,970,718; Aug. 21.
 Tryon, William A., Elmira, N. Y. Spring hanger. 1,943,566; Jan. 16.
 Tryon, William A., Elmira, N. Y. Spring shackle. 1,955,841; Apr. 24.
 Tsavaris, John E., Tarpon Springs, Fla. Automatic vehicle signal. 1,950,278; Mar. 6.
 Tsavaris, John E., Tarpon Springs, Fla. Vehicle signal switch. 1,956,479; Apr. 24.
 Tsavaris, John E., Tarpon Springs, Fla. Electrical swivel connector. 1,973,234; Sept. 11.
 Tschammer, Paul, Lugknitz-Oberlausitz, Germany. Dyeing and washing tray. 1,949,287; Feb. 27.
 Tscherne, Alois, Rorschach, Switzerland. Rotary cutting tool. 1,948,057; Feb. 20.
 Tscherne, Alois, Rorschach, Switzerland. Differential change-speed gear. 1,963,599; June 19.
 Tschudin, Ernest, Reinach, near Basel, Switzerland. Manufacture of nitro-cellulose. 1,945,101; Jan. 30.
 Tschudy, Frederick, Ensley, Ala. Separating composite materials. 1,984,386; Dec. 18.
 Tschunkur, Eduard. (See Konrad, E., and Tschunkur.)
 Tschunkur, Eduard, Cologne-Mulheim, and W. Klein, Leverkusen, I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of diphenyl substances. 1,957,988; May 8.
 Tseng, Andrew T. K., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake fluid. 1,952,105; Mar. 27.
 Tseng, Andrew T. K., Detroit, Mich., A. B. Kempel and R. Schar, East Brady, assignors to Rex-Hide Rubber Manufacturing Company, East Brady, Pa. Molded brake lining material. 1,963,511; June 19.
 Tsukamoto, Kelfuro, Los Angeles, Calif. Toy gun. 1,955,262; Apr. 17.
 Tsukamoto, Kelfuro, Los Angeles, Calif. Rhythm sticks. 1,982,888; Dec. 4.
 Tubbs, Ernest A., Long Island City, N. Y. Electrical system. 1,977,536; Oct. 16.
 Tubbs, George E., and F. I. Brown, Hillsdale, Mich.; said Brown assignor of one-sixth to Tubbs. Compressor. 1,970,260; Aug. 14.
 Tubbs, Ira L., Superior, assignor of one-half to G. F. De Wein, Milwaukee, Wis. Garment. 1,959,311; May 15.
 Tubbs, Oscar J., Winslow, Maine. Attachment for planters. 1,967,915; July 24.
 Tubbs, William B., Chicago, Ill., assignor to Hollywood Cone Waving Company, Saginaw, Mich. Hair curling apparatus. 1,985,472; Dec. 25.
 Tube Reducing Corporation. (See Coe, George B., assignor.)
 Tube-Turns, Incorporated. (See Snyder, Ferdinand L., assignor.)
 Tubize Chatillon Corporation. (See Burrows, Raymond S., assignor.)
 Tubize Chatillon Corporation. (See Epps, Carl, assignor.)
 Tubus, A. G. (See Liebergeld, Alfred, assignor.)
 Tubus, A. G. (See Liebergeld, A., and Singer, assignors.)
 Tubus, A. G. (See Singer, Fritz, assignor.)
 Tubus, A. G. (See Singer, F., and Liebergeld, assignors.)
 Tuchfarber, Frank, deceased, by W. K. Divers, administrator, Cincinnati, Ohio, assignor by mesne assignments, to R. W. Callaway, New York, and A. N. Mann, Scarsdale, N. Y., as joint trustees. Finishing wood. 1,972,502; Sept. 4.
 Tuck, Davis H., Norwalk, Conn., assignor to Holophane Company, Inc., New York, N. Y. Lighting unit. 1,975,879; Oct. 9.
 Tuck, Davis H., Norwalk, Conn., assignor to Holophane Company, Inc., New York, N. Y. Lighting unit. 1,978,236; Oct. 23.
 Tuck, Davis H., Norwalk, Conn., and W. Rosebraugh, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Lighting unit. 1,980,773; Nov. 13.
 Tuck, Frederick A. (See Cox, H. E., Hunter, and Tuck.)
 Tuck, George A., San Francisco, Calif. Gas control system and apparatus. 1,946,043; Feb. 6.
 Tuck, George A., San Francisco, Calif. Gas supply control system. 1,971,882; Aug. 28.
 Tuck, George A., San Francisco, Calif. Heating furnace. 1,977,783; Oct. 23.
 Tuck, George A., assignor to Atlas Heating and Ventilating Co., Ltd., San Francisco, Calif. Temperature responsive device. 1,980,509; Nov. 13.
 Tucker, Benjamin W., jr. (See Norton, C., and Tucker.)
 Tucker, Charles W., administrator. (See Tucker, George R.)
 Tucker, Earl W. (See Windecker, C. N., and Tucker.)
 Tucker, Edgar M., South Pasadena, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Water-proof membrane. 1,958,871; May 15.
 Tucker, Elmer E., et al. (See Santos, Richard P., assignor.)
 Tucker, Emmitt M., Sacramento, Calif. Connecting rod mounting. 1,964,096; June 26.
 Tucker, George R., deceased, North Andover, Mass.; C. W. Tucker, administrator. Colored concrete. 1,972,207; Sept. 4.
 Tucker, George R., deceased, North Andover, Mass.; C. W. Tucker, administrator. Colored concrete. 1,972,208; Sept. 4.
 Tucker, George R., North Andover, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Rubber-bonded asbestos product and making. 1,956,053; Apr. 24.
 Tucker, Harry W., Shaker Heights, Ohio, and W. S. McLeish, New York, N. Y. Ornamental display device. 1,980,453; Nov. 13.
 Tucker, Herbert E., Chicago, Ill., assignor to Cardwell Westinghouse Company. Shock absorber for airplanes. 1,961,406; June 5.
 Tucker, James O., and L. R. Kirst, New Orleans, La. Pneumatic cushion mattress or the like. 1,985,432; Dec. 25.
 Tucker, James W. (See Cunningham, H. B., and Tucker.)
 Tucker, John T., Berkeley, Calif. Exhaust box. 1,954,372; Apr. 10.
 Tucker, Lawrence H., Hapeville, Ga. Combined tail light, stop, and direction signal for automobiles. 1,976,047; Oct. 9.
 Tucker, Ralph, Larchmont, assignor to The Commercial Shirt Corp., New York, N. Y. Man's shirt. 1,963,004; June 12.
 Tucker, Selwyn D., et al. (See Hardeman, Lee F., assignor.)
 Tucker, Wilmer H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,965,613; July 10.
 Tuckerman, William O. (See Hirschfeld, A. P., and Tuckerman.)
 Tuckermann, Ernst, Esbo, Finland, assignor to H. W. Guettler, President of Fibre Making Processes, Inc., Chicago, Ill. Boiler. 1,944,478; Jan. 23.
 Tudor-Hart, Owen. (See Tudor, I., and Tudor-Hart.)
 Tudor, Ivan, and Owen Tudor-Hart, Bagshot, England. Treatment of fibrous materials. 1,941,451; Jan. 2.
 Tudor, Ivan, New Place, Bagshot, and O. Tudor-Hart, London, England. Apparatus for treating fibrous material. 1,971,124; Aug. 21.
 Tueth, Lowell D., Philadelphia, Pa. Electric tire grooving device. 1,955,395; Apr. 17.
 Tufts, Donald S., Springfield, Mass. Device for retaining neckties in place. 1,955,988; Apr. 24.
 Tufts, John L., Worcester, Mass. Duplex centrifugal machine. 1,950,528; Mar. 13.
 Tufts, Lesley R., Cleveland, assignor, by mesne assignments, to The Cleveland Folding Machine Company, Mentor Township, Ohio. Paper feeder. 1,966,400; July 10.
 Tufts, Nathan, assignor to The New England Box Company, Greenfield, Mass. Box. 1,966,875; July 17.
 Tulin, John E., Brooklyn, N. Y. Dispenser for collapsible tubes. 1,968,578; July 31.
 Tullar, Chester W., Detroit, Mich. Removable opaque insert for envelopes. 1,962,921; June 12.
 Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Air pump for pressure tanks. 1,966,321; July 10.
 Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Removable tip cleaning needle and generator. 1,973,184; Sept. 11.
 Tullis, Boyd W., and T. F. Jones, Wichita, Kans. Vaporizing generator. 1,958,400; May 8.
 Tullis, Jasper G., assignor to The Cleveland Formgrader Company, Cleveland, Ohio. Road tool. 1,952,398; Mar. 27.
 Tully, Edward E., Lower Bebbington, Birkenhead, and W. Lovis, Upton Park, London, England. Ship's propeller. 1,961,114; May 29.
 Tuma, Vladimir. (See Lawrence, W. S., Tuma, and Hutton.)
 Tumbler, J. A., Laboratories. (See Tumbler, Joseph A., assignor.)
 Tumbler, Joseph A., assignor to J. A. Tumbler Laboratories, Baltimore, Md. Bottle. Des. 91,474; Feb. 6.
 Tumbler, Joseph A., assignor to J. A. Tumbler Laboratories, Baltimore, Md. Cleansing and polishing preparation. 1,969,387; Aug. 7.
 Tumin, Herbert R., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Decanter. 1,960,686; May 29.
 Tumpak, John S. (See Herzberg, A. A., Schultz, and Tumpak.)
 Tunaya, Victor L., New York, N. Y. Electrically lighted calendar. Des. 93,256; Sept. 4.
 Tung-Sol Lamp Works Inc. (Central Warehouse Division). (See Caine, Charles H., assignor.)
 Tunney, Thomas J., et al. (See Benroth, Julius S., assignor.)
 Tupica, Harry T., assignor of one-half to R. R. Guthrie, Los Angeles, Calif. Rotary drill bit. 1,945,240; Jan. 30.
 Tupper Slipper Corporation. (See Koomruian, Harry, assignor.)
 Turano, Adolphus F., New York, N. Y. Fishing reel mount. 1,970,348; Aug. 14.

- Turbo Corporation, The. (See Hamm, K., and Beyrodt, assignors.)
- Turbo-Mixer Corporation, The. (See MacLean, Gordon, assignor.)
- Turchanyi, Ladislás, Sasshalom, near Budapest, Hungary, assignor to Magyar Ruggyantaárugyár Részvénytársaság, Budapest, Hungary. Toy. Des. 92,114; Apr. 24, 24.
- Turchanyi, Ladislás, Sasshalom, near Budapest, assignor to Magyar Ruggyantaárugyár Részvénytársaság, Budapest, Hungary. Toy. Des. 92,327; May 22.
- Turchanyi, Ladislás, Sasshalom, near Budapest, assignor to Magyar Ruggyantaárugyár Részvénytársaság, Budapest, Hungary. Toy. Des. 92,328; May 22.
- Turchányi, Ladislás, Sasshalom, near Budapest, assignor to Magyar Ruggyantaárugyár Részvénytársaság, Budapest, Hungary. Toy. Des. 93,192; Aug. 28.
- Turcott, David, assignor to Yates-American Machine Company, Beloit, Wis. Belt sander. 1,949,700; Mar. 6.
- Turer, Jack, Brooklyn, assignor to Whitney Metal Products Corporation, New York, N. Y. Gutter hanger circle and plate combination. 1,954,001; Apr. 10.
- Turgeon, Charles, Rennes, France. Circuit closing device for steering wheels. 1,963,037; June 12.
- Turgill, John, London, and S. J. Everett, Thornton Heath, assignors of one-third to J. S. Cottrell, London, England. Dispensing apparatus for tablets and the like. 1,969,590; Aug. 7.
- Turgot, Robert C. L. P., Paris, France, assignor to Bendix Brake Company, South Bend, Ind. Fluid pressure apparatus. 1,967,383; July 24.
- Turiansky, Abraham, New York, N. Y. Shoe. Des. 93,802; Nov. 6.
- Turkington, Victor H., Caldwell, N. J., assignor to Bake-lite Corporation, New York, N. Y. Protective coating composition. 1,954,836; Apr. 17.
- Turkington, Victor H., Caldwell, N. J., assignor to Bake-lite Corporation, New York, N. Y. Shock resistant material. 1,958,452; May 15.
- Turley, Harold E. (See Keeney, K. P., and Turley.)
- Turley, Harold G., Moorestown, N. J., and W. Windus, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Process of unhairing hides or skins. 1,973,130; Sept. 11.
- Turnai, Eugene, Jackson Heights, N. Y., assignor of one-half to A. Kovacs, Kuruc-Korut, Hungary. Collapsible rocking and reclining chair. 1,945,580; Feb. 6.
- Turnberger, Edward, Newark, N. J. Pencil. 1,982,889; Dec. 4.
- Turnbull, Alan J., Racine, Wis. Aspirator or liquid atomizer. 1,974,350; Sept. 18.
- Turnbull, Alexander D. (See Fingland, J. J., Turnbull, and McIntyre.)
- Turnbull, Andrew, and F. B. Hobson, Harpenden, assignors to The Forestal Land, Timber & Railways Company Limited, London, England. Vegetable tanning material or extract. 1,965,061; July 3.
- Turnbull, Robert J. (See Balkema, B. B., and Turnbull.)
- Turner, Albert, Siles, Pa. Jig for mounting split patterns. 1,984,387; Dec. 18.
- Turner, Albert, Shrewsbury, Mass., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,985,433; Dec. 25.
- Turner, Alexander L., and E. W. Underwood, Birmingham, England. Hand-operated machine for cutting wood and like materials. 1,978,557; Oct. 30.
- Turner, Archibald J., assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Inflatable ball. 1,972,909; Sept. 11.
- Turner, Carl D., Indianapolis, Ind. Fuel vaporizing device for gasoline engines. 1,959,397; May 22.
- Turner, Carl E., J. R. Beam, and W. R. McAfee, assignors to Universal Sanitary Manufacturing Co., New Castle, Pa. Combination closet and flush tank. 1,983,419; Dec. 4.
- Turner, Carroll A. (See Wiggins, J. H., and Turner.)
- Turner, Charles A., Chicago, Ill. Selector or translating device. 1,966,876; July 17.
- Turner, Charles A., assignor, by mesne assignments, to Howe Manufacturing Company, Chicago, Ill. Valve supervisory and signal unit. 1,952,397; Mar. 27.
- Turner, Charles L., Berlin, Wis. Milk strainer. 1,945,668; Feb. 6.
- Turner, Charles R. (See Homewood, L. R., and Turner.)
- Turner, Charles S., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler tube cleaning construction. 1,966,912; July 17.
- Turner, Clark H., assignor to Foster Brothers Manufacturing Company, Inc., Baltimore, Md. Studio couch frame. 1,946,822; Feb. 13.
- Turner, Dee, Hollywood, Calif. Exercising device. 1,969,165; Aug. 7.
- Turner, Edward T., Dayton, Ohio, assignor to General Water Treatment Corporation, New York, N. Y. Water softening apparatus. 1,955,693; Apr. 17.
- Turner, Edward T., Dayton, Ohio, assignor to General Water Treatment Corporation, New York, N. Y. Water softening apparatus. 1,955,694; Apr. 17.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,946,044; Feb. 6.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker. 1,946,046; Feb. 6.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker mechanism. 1,947,684; Feb. 20.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker mechanism. 1,947,685; Feb. 20.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker mechanism. 1,953,032; Mar. 27.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Underfeed stoker. 1,960,072; May 22.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,965,970; July 10.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,965,971; July 10.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,969,337; Aug. 7.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker. 1,969,338; Aug. 7.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Distributor member. 1,938,057; Dec. 4.
- Turner, Edwin A., and C. J. Surdykowski; said Surdykowski (now by judicial change of name Charles J. Surdy) assignor to The Standard Stoker Company, Incorporated. Locomotive mud ring. 1,946,045; Feb. 6.
- Turner, Edwin E., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Measuring distance. 1,982,271; Nov. 27.
- Turner, Edwin E., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Method and apparatus for distance finding. 1,983,254; Dec. 4.
- Turner, Frederick A., Brooklyn, assignor to H. M. Bunker & Co., Inc., New York, N. Y. Mandrel construction for bias cutting machines. 1,959,252; May 15.
- Turner, George A., Stockton, Calif. Fruit dumping method and apparatus. 1,945,758; Feb. 6.
- Turner, Harry E., Los Angeles, Calif. Instrument for indicating the required voltage for making radiographs. 1,948,013; Feb. 20.
- Turner, Howard C., Anniston, Ala., assignor to American Telephone and Telegraph Company. Transmission system. 1,944,308; Jan. 23.
- Turner, Hughes C., and H. R. Stacks, Detroit, Mich.; said Stacks assignor to said Turner. Display mechanism. 1,947,814; Feb. 20.
- Turner, Hughes C., New York, N. Y., and H. R. Stacks, Detroit, Mich.; said Stacks assignor to said Turner. Natural light illuminating means for displays. 1,971,285; Aug. 21.
- Turner, Jacob A., Avondale, assignor to R. P. Robinson, Forest City, N. C. Clothesline. 1,960,882; May 29.
- Turner, James F., assignor to Flynn & Emrich Company, Baltimore, Md. Waste water heat economizer. 1,955,477; Apr. 17.
- Turner, John B., Sasakwa, Okla. Oil emulsion treating apparatus. 1,948,481; Feb. 20.
- Turner, John C., Dayton, Ohio. Toy wheel. 1,947,025; Feb. 13.
- Turner, John J., Swarthmore, Pa. Fabric cutter. 1,972,209; Sept. 4.
- Turner, John L., St. Louis, Mo. Sash control. 1,979,654; Nov. 6.
- Turner, Joseph V., Wilson, N. C. Flask ring. 1,970,261; Aug. 14.
- Turner, Marris R., Buffalo, N. Y. Method of and material for manufacturing apparel. 1,957,682; May 8.
- Turner, Ransom H., Auburndale, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,946,369; Feb. 6.
- Turner, Ransom H., Auburndale, assignor to Intertype Corporation, Brooklyn, N. Y. Line casting machine. 1,959,312; May 15.
- Turner, Ransom H., Auburndale, assignor to Intertype Corporation, Brooklyn, N. Y. Line casting machine. 1,962,973; June 12.
- Turner, Ransom H., Little Neck, assignor to Intertype Corporation, Brooklyn, N. Y. Justification control device for typographical machines. 1,958,401; May 8.
- Turner, Ransom H., Little Neck, Long Island, assignor to Intertype Corporation, Brooklyn, N. Y. Metal pump for typographical machines. 1,972,837; Sept. 4.
- Turner, Ransom H., Little Neck, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,973,586; Sept. 11.
- Turner, Ransom H., Little Neck, assignor to Intertype Corporation, Brooklyn, N. Y. Matrix escapement for typographical machines. 1,974,395; Sept. 18.
- Turner, Ransom H., Little Neck, assignor to Intertype Corporation, Brooklyn, N. Y. Line casting machine. 1,980,962; Nov. 13.
- Turner, Russell J., Butler, Pa., and F. H. Ragan, Shaker Heights, assignors to The Columbia Axle Company, Cleveland, Ohio. Nonmetallic connection. 1,980,117; Nov. 6.
- Turner and Seymour Manufacturing Company, The. (See Pullen, Lester T., assignor.)
- Turner Tanning Machinery Company, The. (See Ballard, Harrie A., assignor.)
- Turner Tanning Machinery Company, The. (See Broughton, Winn E., assignor.)

- Turner Tanning Machinery Company, The. (See Loescher Hans, assignor.)
- Turner Tanning Machinery Company, The. (See Schettler, Gustav A., assignor.)
- Turner Tanning Machinery Company, The. (See Whitney, R. F., and Clement, assignors.)
- Turner, Walter H., Chorlton-cum-Hardy, Manchester, England. Apparatus for cleaning, polishing, and like purposes. 1,951,851; Mar. 20.
- Turner, Walter R. (See Grinham, E. G., and Turner.)
- Turner, Wellmore B., executor, et al. (See Weston, Edward B., assignor.)
- Turner, William B., East Orange, assignor to Walker-Turner Company, Plainfield, N. J. Reversing switch. 1,956,430; Apr. 24.
- Turner, William B., Yakima, Wash. Apparatus for patching sheet rubber articles. 1,956,109; Apr. 24.
- Turney, Eugene T., Holmes, N. Y. Timepiece. 1,943,046; Jan. 9.
- Turney, Harry L., Los Angeles, Calif. Draw works. 1,979,780; Nov. 6.
- Turnquist, Edward, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric welding machine. 1,976,250; Oct. 9.
- Turrettini, Fernand, Cologny, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Machine tool. 1,956,110; Apr. 24.
- Turrill, James R., Ferndale, Mich. Mail box support. 1,955,373; Apr. 17.
- Tursi, Daniel, Darby, assignor, by mesne assignments, of one-third to F. Molle, Philadelphia, Pa., and one-third to A. Ciampi, Plainfield, N. J. Adjustable headrest. 1,977,159; Oct. 16.
- Tursky, Charles M., Philadelphia, Pa. Fluid compressor. Re19,210; June 12.
- Tursky, Charles M., Philadelphia, Pa. Fluid compressor. 1,954,002; Apr. 10.
- Tursky, Charles M., Philadelphia, Pa. Fluid compressor. 1,981,481; Nov. 20.
- Tuscher, Jean E., Petit Ivry, and M. Spiro, assignors to Societe de l'Avantisseur Telephonique Automatique, Paris, France. Automatic telephone signaling apparatus. 1,974,551; Sept. 25.
- Tussaud, Gabriel P., Rickmansworth, England, assignor, by mesne assignments, to A. R. Boyd, New York, N.Y. Treating fat and oil-bearing seed products. 1,980,838; Nov. 13.
- Tust, Paul. (See Heidenreich, R. M., and Tust.)
- Tuszynski, Nicholas. (See Hope, S. N., and Tuszynski.)
- Tuteur, Julius, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Spraying attachment for vacuum cleaners. 1,950,201; Mar. 6.
- Tuthill, Howard B., and H. F. Caldwell, assignors to Oliver Machinery Company, Grand Rapids, Mich. Motor driven lathe head. 1,976,048; Oct. 9.
- Tuthill Pump Company. (See Kempton, Herbert E., assignor.)
- Tutoky, Stephen M., Newark, N. J. Shoe heel. 1,942,312; Jan. 2.
- Tuttle & Bailey Manufacturing Company. (See Sherry, William J., assignor.)
- Tuttle, Clifton M., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for photographic printing. 1,966,322; July 10.
- Tuttle, Clifton M., assignor to Eastman Kodak Company, Rochester, N. Y. Rheostat. 1,976,310; Oct. 9.
- Tuttle, Clifton M., H. E. White, and J. W. McFarlane, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for photographic printing. 1,954,338; Apr. 10.
- Tuttle, Clifton M., and W. C. Henry, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for handling photographic strip material. 1,957,863; May 8.
- Tuttle, Clifton M., and W. C. Henry, assignors to Eastman Kodak Company, Rochester, N. Y. Reproducing on photographic strip material. 1,957,864; May 8.
- Tuttle, Florence K., San Francisco, Calif. Lingerie drier. 1,948,014; Feb. 20.
- Tuttle, Henry W., Chicago, Ill. Apparatus for expressing juice from fruit. 1,971,546; Aug. 28.
- Tuttle, Loren W. (See Markle, Mathew G.)
- Tuttle, Malcolm H., New Rochelle, N. Y., assignor to The Gyro Process Company, Detroit, Mich. Conversion of hydrocarbons into lower boiling compounds. 1,948,872; Feb. 27.
- Tuttle, Wallace M., Middletown, Conn. Making bricks. 1,977,868; Oct. 23.
- Tuttle, William R., and C. W. Stickel, Rochester, N. Y. Cosmetic compact. 1,956,936; May 1.
- Tuttle, William R., and C. W. Stickel, assignors to The Kurlash Company, Inc., Rochester, N. Y. Cosmetic compact. 1,961,437; June 5.
- Tuxbury, Henry W., and J. N. Mowery; said Tuxbury assignor to Graton & Knight Company and said Mowery assignor to Worcester Pressed Steel Company, Worcester, Mass. Oil seal. 1,958,120; May 8.
- Tweed, Frederick H., Chicago, Ill. Air valve. 1,943,462; Jan. 16.
- Tweedale, Ralph L., Washington, D. C. Vehicle jacking device. 1,981,887; Nov. 27.
- Tweedie, Charles. (See Freeman, C. F., assignor.)
- Tweedie, Charles, Jefferson City, Mo. Hand protector. 1,943,567; Jan. 16.
- Twit, Olav, Orange, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Pipe cutting machine. 1,963,537; June 19.
- Twemlow, Alfred Y. (See Thornley, S., and Twemlow.)
- Twichell, Beatrice C., Miami, Fla. Art picture. 1,941,518; Jan. 2.
- Twickier, Raymond F., New Orleans, La. Stove pipe joint. 1,984,607; Dec. 18.
- Twigg, Sherman C., and G. D. Major, Cumberland, Md., assignors of one-tenth to W. E. Bowman, Alexandria, Va. Pipe cutting machine. 1,954,549; Apr. 10.
- Twin Coach Company. (See Fageol, Frank R.)
- Twin Coach Company. (See Fageol, William B., assignor.)
- Twin Disc Clutch Company, The. (See Pearmain, William J.)
- Twin Disc Clutch Company, The, et al. (See Pearmain, W. J., and Hodges, assignors.)
- Twin-Flex Corporation. (See Hastings, D. T., and Knowles, assignors.)
- Twining, Ralph H. (See Olson, E. T., and Twining.)
- Twiss, Douglas F. (See Murphy, E. A., Niven, and Twiss.)
- Twiss, Douglas F. (See Murphy, E. A., and Twiss.)
- Twiss, Douglas F. (See Murphy, E. A., Twiss, and James.)
- Twiss, Douglas F., Wyde Green, Birmingham, and A. E. T. Neale, Ward End, Birmingham, assignors to Dunlop Rubber Company, Limited, England. Forming ball centers. 1,947,539; Feb. 20.
- Twiss, Douglas F., Wyde Green, and E. A. Murphy, assignors to Dunlop Rubber Company, Limited, Erdington, Birmingham, England. Forming rubber gloves. 1,951,377; Mar. 20.
- Twiss, Douglas F., and E. A. Murphy, Wyde Green, assignors to Dunlop Rubber Company, Limited, London, England. Producing articles from plastics. 1,951,378; Mar. 20.
- Twiss, Douglas F., Wyde Green, E. A. Murphy, Erdington, Birmingham, and R. G. James, Selly Park, Birmingham, assignors to Dunlop Rubber Company Limited, Erdington, Birmingham, England. Manufacture of colored articles from dispersions of rubber or the like. 1,959,557; May 22.
- Twiss, Douglas F., Wyde Green, A. S. Carpenter, Walmley, and A. E. T. Neale, Ward End, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Manufacture of goods of rubber or similar material. 1,966,271; July 10.
- Twiss, Douglas F., and E. A. Murphy, Wyde Green, Sutton Coldfield, assignors to Dunlop Rubber Company Limited, London, England. Molding. 1,978,481; Oct. 30.
- Twiss, Douglas F., Wyde Green, and E. A. Murphy, Erdington, assignors to Dunlop Rubber Company, Limited, Birmingham, England. Manufacture of goods of or containing rubber or the like. 1,980,774; Nov. 13.
- Twiss, Douglas F., and E. A. Murphy, Wyde Green, and A. Niven, Erdington, assignors to Dunlop Rubber Company Limited, London, England. Manufacture of rubber articles. 1,985,002; Dec. 18.
- Twitchell, Earl W., Haddonfield, N. J. Cellophane yarn. 1,949,065; Feb. 27.
- Twitchell Process Company, The. (See Reddish, W. T., and Myers, assignors.)
- Twombly, Earle K., assignor to Hewitt-Gutta Percha Rubber Corporation, Buffalo, N. Y. Draper apron. 1,951,041; Mar. 13.
- Twombly, Willard O., assignor to C. T. Electric Company, Jackson, Mich. Liquid heating electrode. 1,960,603; May 29.
- Twombly, Willard O., assignor to C. T. Electric Company, Jackson, Mich. Thermostatic snap switch. 1,978,065; Oct. 23.
- Twomley, Herbert E., Riverside, Calif., assignor to the estate of George D. Parker; C. B. Parker, executrix. Selective nail feed mechanism. 1,956,935; May 1.
- Twomley, Herbert E., assignor to C. B. Parker, Riverside, Calif., executrix of the estate of George D. Parker, deceased. Flexible conveyor. 1,962,372; June 12.
- Twomley, Herbert E., Riverside, Calif., assignor to D. Parker and Citizens National Trust and Savings Bank of Riverside, administrators of G. D. Parker, deceased. Box making machine. 1,987,613; Oct. 30.
- Twyman, B. Wickliffe, South Bend, Ind., assignor to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Foot-pedal jack. 1,950,640; Mar. 13.
- Twyman, B. Wickliffe, Indianapolis, Ind., assignor to Hannum Manufacturing Company, Milwaukee, Wis. Drag link. 1,963,927; June 19.
- Twyman, Frank, and D. H. Follett, Camden Road, London, assignors to Adam Hilger, Limited, London, England. Counting of microscopic bodies such as blood corpuscles. 1,974,522; Sept. 25.
- Tyer, Warren I., Columbus, Ohio. Cooking vessel or similar article. Des. 91,285; Jan. 2.
- Tychsen, Henry P., assignor to Poloris Company, Inc., New York, N. Y. Article feeding mechanism. 1,975,238; Oct. 2.
- Tyden, Einar O. E. (See Pehrson, A. H., and Tyden.)
- Tyden, Einar O. E., assignor of one-third to G. S. A. Appelqvist, and one-third to C. T. Setterberg, Stockholm, Sweden. Magnetic separator. 1,965,441; July 3.
- Tyden, Emil, Hastings, Mich. Temperature responsive device. Re19,261; July 31.
- Tyden, Emil, Hastings, Mich. Fire-extinguishing apparatus. 1,947,890; Feb. 20.
- Tyden, Emil, Hastings, Mich. Fire extinguishing apparatus. 1,958,283; May 8.

- Tyden, Emil, Hastings, Mich. Fire extinguishing apparatus. 1,958,284; May 8.
- Tyden, Emil, Hastings, Mich. Fire extinguishing apparatus. 1,958,285; May 8.
- Tyden, Emil, Hastings, Mich. Fire extinguishing apparatus. 1,958,286; May 8.
- Tyden, Emil, Hastings, Mich. Accelerator. 1,958,287; May 8.
- Tyden, Emil, Hastings, Mich. Fire protective installation. 1,958,288; May 8.
- Tyden, Emil, Hastings, Mich. Fire extinguishing installation. 1,958,289; May 8.
- Tyer Rubber Company. (See Bergstrom, Kenneth H., assignor.)
- Tyer Rubber Company. (See Nicoll, George B., assignor.)
- Tygart, Jeff D., Miami, Fla. Barbecue oven. 1,964,372; June 26.
- Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)
- Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)
- Tykocinski-Tykociner, Joseph. (See Paine, E. B., Tykocinski-Tykociner, and Brown.)
- Tyle, Tracy B., Detroit, Mich., assignor, by mesne assignments, to Steiner Sales Company, Chicago, Ill. Roller towel control mechanism. 1,959,938; May 22.
- Tylee, Arthur K., Brookline, Mass. Elevator apparatus. 1,972,722; Sept. 4.
- Tyler, Benjamin, East Cleveland, Ohio. Vending machine. 1,971,883; Aug. 28.
- Tyler, Chaplin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resolving emulsions. 1,980,118; Nov. 6.
- Tyler, Edgar C., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Method and apparatus for sole edge trimming. 1,976,815; Oct. 16.
- Tyler, Harland, Dayton, Wash. Wind signal. 1,942,039; Jan. 2.
- Tyler, Herbert B., Oak Park, Ill. Night light transformer. 1,968,361; July 31.
- Tyler, Herbert B., Oak Park, Ill., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Night light. Des. 92,831; July 17.
- Tyler, Jerry, Muskegon Heights, Mich. Adjustable spray device. 1,951,587; Mar. 20.
- Tyler, Jerry, Niles, Mich. Shelf locking construction. 1,963,427; June 19.
- Tyler, John M., assignor to General Motors Research Corporation, Detroit, Mich. Attaching cylinder blocks to crank cases. 1,948,810; Feb. 27.
- Tyler, Lee, Houston, Tex. Display rack. 1,955,209; Apr. 17.
- Tyler, Ralph S., and H. McGeorge, Cleveland Heights, assignors to The Chandler & Price Company, Cleveland, Ohio. Paper cutting machine. 1,967,600; July 24.
- Tyler, Sydney A. (See Zwicky, J. Hunt, and Tyler.)
- Tyler, W. S., Company, The. (See Disbro, I. R., and Pickell, assignors.)
- Tyler, W. S., Company, The. (See Reynolds, M. P., and Piggott, assignors.)
- Tynan, Andrew G., Philadelphia, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Single sidebar modulator. 1,963,726; June 19.
- Typograph G. m. b. H. (See Blume, Wilhelm, assignor.)
- Typograph G. m. b. H. (See Dorneth, Julius, assignor.)
- Typograph G. m. b. H. (See Uthoff, Hermann W. E., assignor.)
- Tyree, A. L., et al. (See Read, Earle S., assignor.)
- Tyrer, Daniel, Norton-on-Tees, England, assignor to Imperial Chemical Industries Ltd. Cooling of coke and obtaining a nitrogen hydrogen mixture. 1,959,182; May 15.
- Tyrtoff, Herbert H., San Antonio, Tex. Removing frozen ice trays. 1,960,255; May 29.
- Tyrtoff, Herbert H., San Antonio, Tex. Device for removing frozen ice trays. 1,971,884; Aug. 28.
- Tyrrill, Oscar S., Springfield, Mass., assignor to The Wallace Barnes Company, Bristol, Conn. Tool. 1,959,939; May 22.
- Tyrrill, Oscar S., Springfield, Mass., assignor to The Wallace Barnes Company, Bristol, Conn. Cleaning device. 1,959,940; May 22.
- Tyson, Theodore J. W., assignor to Lyon Cover Company, Detroit, Mich. Reinforcing means for tire covers. 1,956,633; May 1.
- Tyzzler, Howard J., Melrose, assignor to Electro Formation, Inc., Medford, Mass. Electrolytic condenser. 1,941,725; Jan. 2.
- Tyzzler, Howard J., Melrose, assignor to Electro Formation, Inc., Medford, Mass. Electrolytic condenser. 1,979,916; Nov. 6.
- Tyzzler, Howard J., Lawrence, Mass., assignor to The Magnavox Company, Chicago, Ill. Condenser. 1,960,834; May 29.
- U. S. B. Process, Limited. (See Berlau, Oscar A., assignor.)
- U S L Battery Corporation. (See Jackson, Alexander F., assignor.)
- Uban, Moses W. (See Tenpas, Reuben J., assignor.)
- Udale, Stanley M., assignor, by mesne assignments, to Erb-Joyce Foundry Company, Detroit, Mich. Brake drum. 1,943,641; Jan. 16.
- Udale, Stanley M., assignor, by mesne assignments, to Erb-Joyce Foundry Company, Detroit, Mich. Brake drum. 1,972,251; Sept. 4.
- Ude, William C., East Haven, Conn. Vibratory electric motor. 1,952,341; Mar. 27.
- Udell, Earl L., assignor of one-third to R. Harvell and one-third to H. W. Thompson, Tallahassee, Fla. Headlight rim. Re19,211; June 12.
- Udell, Louis N., Boston, Mass. Method of and apparatus for refrigerating materials. 1,968,543; July 31.
- Uden, Jacob T., New York, N. Y. Shoe dressing machine. 1,953,376; Apr. 3.
- Uden, Jacob T., New York, N. Y. Shoe shining machine. 1,968,272; July 31.
- Uebbing, Albert A., assignor to The Delatone Company, Chicago, Ill. Depilatory. 1,954,397; Apr. 10.
- Uebelhart, Donald N. (See Wright, B. C., and Uebelhart.)
- Uebermuth, Werner, Oberschoneweide, Germany, assignor to General Electric Company. Electrical switching apparatus. 1,959,183; May 15.
- Uebler, Bruno, Berlin, Germany. Producing nitrates and recovery of nitric oxide. 1,942,886; Jan. 9.
- Uecker, Frederick J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Window stop. 1,967,338; July 24.
- Uecker, William, Cashmere, Wash., assignor to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo. Apple tree. Pl. Pt. 85; Jan. 16.
- Ueding, John A., Jr., Vincennes, Ind. Mold for ice cream and the like. 1,957,865; May 8.
- Ufer, Hanns. (See Muench, E., and Ufer.)
- Ufer, Hanns. (See Schumann, C., and Ufer.)
- Uffelman, Henry R., Du Bois, Pa. Adjustable helper spring bracket. 1,959,118; May 15.
- Ufficio Tecnico Impianti Nafra Antovaporizzanti. (See Froehlich, E., and Heckl, assignors.)
- Ugine-Infra. (See Sorrel, Victor, assignor.)
- Ugine-Infra. (See Sorrel, Victor J. C., assignor.)
- Ugine-Infra. (See Sorrel, V., and Lafont, assignors.)
- Uher, Edmond, Augsburg, Germany, assignor to Uher type A. G., Glarus, Switzerland. Photographic type composing. 1,975,439; Oct. 2.
- Uher, Edmond, Feldafing-on-the-Starnberger See, and L. Wenzler, Augsburg, Germany, assignors to Uher type Aktiengesellschaft, Glarus, Switzerland. Control gear. 1,981,401; Nov. 20.
- Uherek, Charles A. (See Borgerd, W. F., and Uherek.)
- Uhertype A. G. (See Uher, Edmond, assignor.)
- Uhertype Aktiengesellschaft. (See Uher, E., and Wenzler, assignors.)
- Uhl, Harry C., assignor to Indian Motorcycle Company, Springfield, Mass. Dry sump lubricating system for internal combustion engines. 1,966,837; July 17.
- Uhle, David J., and M. E. Grunewald, Coplay, Pa. Heating cement raw material. 1,961,311; June 5.
- Uhler, Harry A. (See Scholtes, Albert J., assignor.)
- Uhler, Ruth K. (See Uhler, William G., Jr., assignor.)
- Uhler, William G., Jr., assignor to R. K. Uhler, Yeadon, Pa. Ash handling device. 1,967,637; July 24.
- Uhler, Wilmer P. (See Swartz, T. A., and Uhler.)
- Uhlich, Paul, Weissensee, near Berlin, assignor to Deutsche Niles Werke Aktiengesellschaft, Weissensee, near Berlin, Germany. Grinding straight and helical teeth on spur wheels. 1,964,233; June 26.
- Uhlmann, Alfred, Berlin-Lichterfelde, F. Seidel, Berlin-Copenick, and J. Ronke, Langenbielau, assignors to firm Christian Dierig Aktiengesellschaft, Berlin-Grunau, Germany. Treating fibrous material with electric current. 1,972,608; Sept. 4.
- Uhri, Katherine M., St. Louis, Mo. Detergent holder. 1,955,989; Apr. 24.
- Uthoff, Frieda M., administratrix. (See Uthoff, Richard D.)
- Uthoff, Hermann W. E., Berlin-Charlottenburg, assignor to the firm, Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machines. 1,955,036; Apr. 17.
- Uthoff, Richard D., deceased, Creskill, N. J., assignor of one-tenth to B. Webster, and nine-twentieths to T. A. Dobson, New York, N. Y., F. M. Uthoff, administratrix. Voting machine. 1,975,992; Oct. 9.
- Uthoff, Richard D., deceased, Creskill, N. J., assignor of one-tenth to B. Webster, and nine-twentieths to T. A. Dobson, New York, N. Y., F. M. Uthoff, administratrix. Voting machine. 1,975,993; Oct. 9.
- Uthoff, Richard D., deceased, Creskill, N. J., assignor of one-tenth to B. Webster, and nine-twentieths to T. A. Dobson, New York, N. Y., F. M. Uthoff, administratrix. Voting machine. 1,975,994; Oct. 9.
- Uitto, Matt, assignor of one-half to J. Erving, Winlock, Wash. Cigarette extinguisher. 1,966,774; July 17.
- Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe construction. 1,958,872; May 15.
- Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe machine. 1,961,260; June 5.
- Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe stripper. 1,961,261; June 5.
- Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe joint. 1,961,262; June 5.
- Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe construction. 1,961,263; June 5.

- Ukropina, Bozidar J., Los Angeles, Calif. Reenforced concrete pipe joint. 1,963,512; June 19.
- Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe joint. 1,973,967; Sept. 18.
- Ulbricht, Ernst G. (See McIntyre, G., and Ulbricht.)
- Ulfeng, Asbjorn E., and E. Haugland, Brooklyn, and O. Firing, New Dorp, N. Y. Portable nondefraudable cash recorder. 1,978,849; Oct. 30.
- Ulfers, Fritz. (See Meerwein, H., Ulfers, Erbe, Aichner, and Klaphake.)
- Uline, Walter C., Nappanee, Ind. Table frame. 1,953,377; Apr. 3.
- Uline, Walter C., Nappanee, Ind. Making a stepladder. 1,954,545; Apr. 10.
- Uline, Walter C., Nappanee, Ind. Machine for assembling tension rods with other elements. 1,954,546; Apr. 10.
- Ullstrand, Hugo M. (See Bergholm, H. K., and Ullstrand.)
- Ulm, Nathan L., assignor of one-half to J. A. Foster, Los Angeles, Calif. Collapsible container. 1,977,869; Oct. 23.
- Ulmer, Henry M., Elmira, assignor, by mesne assignments, to J. G. Lanning, Corning, N. Y. Leather dressing. 1,968,004; July 24.
- Ulmer, Theodore. (See Levitt, E. H., and Ulmer.)
- Ulrey, Clayton T., East Orange, N. J., assignor to Westinghouse Lamp Company. X-ray tube. 1,961,718; June 5.
- Ulrey, Clayton T., East Orange, and N. C. Beese, Verona, N. J., assignors to Westinghouse Lamp Company. Electrical discharge apparatus. 1,975,880; Oct. 9.
- Ulrey, Dayton, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-control means. 1,960,293; May 29.
- Ulrey, Dayton L., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tungsten seal. 1,971,837; Aug. 28.
- Ulrich, Carl J., Minneapolis, Minn. Indicating circuit controller. 1,955,615; Apr. 17.
- Ulrich, Heinrich. (See Nuesslein, J., and Ulrich.)
- Ulrich, Heinrich, and P. Koering, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Sulphonation products of urethanes and making same. 1,964,654; June 26.
- Ulrich, Heinrich, and K. Saurwein, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of nitriles. 1,972,465; Sept. 4.
- Ulrich, Heinrich and K. Saurwein, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Amides of n-beta-hydroxyalkyl amino carboxylic acids and preparing same. 1,973,860; Sept. 18.
- Ulrich, Julius M., Riverside, assignor to Palmer Bros. Engines, Inc., Cos Cob, Conn. Internal combustion engine. 1,982,554; Nov. 27.
- Ulrich, Werner. (See Lockemann, G., Gerngross, Rülke, and Ulrich.)
- Umansky, Leonid A. (See Winne, H. A., and Umansky.)
- Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Length measuring indicator. 1,947,399; Feb. 13.
- Umbach, Eugene, assignor to Sleepwell Metal Bed Co. Inc., Brooklyn, N. Y. Bedspring hoisting means. 1,966,470; July 17.
- Umbilfklamp Company, The. (See Davis, Frederick W., assignor.)
- Umbreit, Stanton, West Orange, N. J., assignor to Radio Corporation of America. Making getter material. 1,979,506; Nov. 6.
- Umont, William, assignor of one-half to C. W. Anderson Dunellen, N. J. Apparatus for removing waste oil. 1,973,235; Sept. 11.
- Una Welding & Bonding Company. (See Burgett, L. S., and Daugherty, assignors.)
- Una Welding & Bonding Company. (See Rood, Arnold C., assignor.)
- Una Welding, Incorporated. (See Anastasiadis, Loulis G., assignor.)
- Una Welding, Incorporated. (See Austin, John B., assignor.)
- Una Welding Inc. (See Howland, O. L., and Kotchi, assignors.)
- Una Welding Inc. (See Kinkad, Robert E., assignor.)
- Una Welding Inc. (See Kotchi, Charles J., assignor.)
- Underberg, Henry, Brooklyn, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 93,585; Oct. 9.
- Underberg, Henry, Brooklyn, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 93,586; Oct. 9.
- Underdross, Fr. A. (See Zschka, Engelbert, assignor.)
- Underpinning & Foundation Company. (See Bonine, Charles E., assignor.)
- Undertakers Supply Company. (See Werness, L. J., and Proudfit, assignors.)
- Underwood, Arthur, Washington, D. C. Trimming device. 1,983,420; Dec. 4.
- Underwood, Carl M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coating strands. 1,981,130; Nov. 20.
- Underwood, Cecil H., Oakland, Calif. Spurious coin detector. 1,947,538; Feb. 20.
- Underwood, Charles E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Coke oven machine. 1,979,507; Nov. 6.
- Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
- Underwood Elliott Fisher Company. (See Barber, William H., assignor.)
- Underwood Elliott Fisher Company. (See Becker, Fred, assignor.)
- Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
- Underwood Elliott Fisher Company. (See Footorap, Harry A., assignor.)
- Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
- Underwood Elliott Fisher Company. (See Smith, Charles E., assignor.)
- Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
- Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)
- Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)
- Underwood Elliott Fisher Company. (See Thieme, Otto, assignor.)
- Underwood Elliott Fisher Company. (See Thomas, William A., assignor.)
- Underwood, Ernest W. (See Turner, A. L., and Underwood.)
- Underwood, Garfield J., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Fabric. 1,944,534; Jan. 23.
- Underwood, Harold B., Racine, Wis., assignor of one-half to G. K. Franklin, Chicago, Ill. Composition material. 1,965,815; July 10.
- Underwood, Howard C. (See Roby, E. B., and Underwood.)
- Underwood, Jude E. (See Weitzel, C. F., Potts, and Underwood.)
- Underwood, Olan B., assignor to Bernardin Bottle Cap Co., Evansville, Ind. Machine for sealing containers under vacuum. 1,965,678; July 10.
- Underwood, Robert C. (See Newman, D. F., and Underwood.)
- Underwood, Russell E. (See Thompson, C. A., and Underwood.)
- Underwood, William E. (See Hanson, J. H., and Underwood.)
- Unger, Gustave A., Pelham Manor, assignor to E. K. Howe, New York, N. Y. Railway wheel assembly. 1,975,881; Oct. 9.
- Unger, Gustave A., Pelham Manor, assignor to E. K. Howe, New York, N. Y. Railway wheel assembly. 1,975,882; Oct. 9.
- Ungelenk, Alfred, Thuringia, Germany, assignor to General Electric Company. Covering for X-ray apparatus. 1,983,327; Dec. 4.
- Ungelenk, Alfred, Rudolstadt in Thuringen, J. Fischer, and H. Endrass, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Method of chromium plating. 1,975,239; Oct. 2.
- Unger, Abraham. (See Goldzweig, Charles, assignor.)
- Unger, Arthur M., Wilkesburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control of grid-glow tubes. 1,960,217; May 22.
- Unger, Catherine, Baltimore, Md. Ash tray. Des. 92,048; Apr. 17.
- Unger, Erwin E., assignor to Wells-Gardner and Co., Chicago, Ill. Volume control. 1,952,736; Mar. 27.
- Unger, Max S., Greensburg, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Oven temperature control system. 1,977,216; Oct. 16.
- Unger, Paul O. (See Dawson, G. H., and Unger.)
- Unger, Paul O. (See Schlosser, B., and Unger.)
- Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 1,964,608; June 26.
- Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,973,186; Sept. 11.
- Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Combined loose leaf binder and reading stand. 1,979,814; Nov. 6.
- Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Paper fastener. 1,982,272; Nov. 27.
- Unger, Paul O., assignor to Wilson-Jones Company, Chicago, Ill. Card index tray. 1,971,468; Aug. 28.
- Unger, Paul O., assignor to Wilson-Jones Company, Chicago, Ill. Locking mechanism for binders. 1,985,700; Dec. 25.
- Unger, Samuel L., New York, N. Y. Mailing novelty. 1,944,853; Jan. 23.
- Unger, Samuel L., New York, N. Y. Advertising device. 1,957,374; May 1.
- Unger, William S., Munhall, Pa. Blast furnace charging hopper. 1,973,451; Sept. 11.
- Unglaub, Emil R. (See De Wit, J., and Unglaub.)
- Unilechem Chemikalien Handels A.-G. (See Schirm, Erik, assignor.)
- Unilechem Chemikalien Handels A.-G. (See Schrauth, Walther, assignor.)
- Uniclox Corporation. (See Schulse, Herman E., assignor.)
- Uni-Flo Grille Corporation. (See Germonprez, John A., assignor.)

- Uniflow Syndicate. (See Augustine, Harold B., assignor.)
 Union Asbestos & Rubber Company. (See Gillies, William R., assignor.)
 Union Bag & Paper Corporation. (See Avery, True M., assignor.)
 Union Bag and Paper Corporation. (See Avery, T. M., and Seitzinger, assignors.)
 Union Bag & Paper Corporation. (See Miller, Frederick B., assignor.)
 Union Bank & Trust Co. of Los Angeles, administrator. (See Delaney, John H.)
 Union Carbide and Carbon Research Laboratories, Inc. (See Kennedy, H. E., Rotermund, and Jones, assignors.)
 Union Drawn Steel Company. (See Buchanan, David D., assignor.)
 Union Drawn Steel Company. (See Richardson, Harry H., assignor.)
 Union Machinery Company. (See Marasso, Fred, assignor.)
 Union Manufacturing Company, The. (See Church, Albert E., assignor.)
 Union Manufacturing Company, The. (See Church, A. E., and Prime, assignors.)
 Union Metal Manufacturing Company, The. (See Riemschneider, Edmund W., assignor.)
 Union Metal Products Company. (See Gilpin, Garth G., assignor.)
 Union Metal Products Company. (See Kinne, Edmund P., assignor.)
 Union Metal Products Company. (See Murphy, Walter P., assignor.)
 Union Metal Products Company. (See Sisson, Vinton E., assignor.)
 Union Metal Products Company. (See Small, Arthur E., assignor.)
 Union National Bank of Pittsburgh, The. (See McCullough, Frederick S., assignor.)
 Union Oil Products Company. (See Sumpter, Mayfield C., assignor.)
 Union Oil Company. (See Chesny, Henry H., assignor.)
 Union Oil Company of California. (See Aldridge, Blair G., assignor.)
 Union Oil Company of California. (See Blount, A. L., and Boardman, assignors.)
 Union Oil Company of California. (See Bray, Ulric B., assignor.)
 Union Oil Company of California. (See Bray, U. B., and Swift, assignors.)
 Union Oil Company of California. (See Bray, U. B., Pollock, and Merrill, assignors.)
 Union Oil Company of California. (See Cubicciotti, Rudolph, assignor.)
 Union Oil Company of California. (See Dunham, Robert A., assignor.)
 Union Oil Company of California. (See Flaxman, Marcellus T., assignor.)
 Union Oil Company of California. (See Gard, E. W., and Aldridge, assignors.)
 Union Oil Company of California. (See Gard, E. W., and Subkow, assignors.)
 Union Oil Company of California. (See Garofalo, Ross J., assignor.)
 Union Oil Company of California. (See Garofalo, R. J., and Swift, assignors.)
 Union Oil Company of California. (See Grinnell, S., and Rubel, assignors.)
 Union Oil Company of California. (See Haylett, Robert E., assignor.)
 Union Oil Company of California. (See Hill, Frank F., assignor.)
 Union Oil Company of California. (See Mason, Landon R., assignor.)
 Union Oil Company of California. (See Merrill, D. R., and Subkow, assignors.)
 Union Oil Company of California. (See Northman, Edith M., assignor.)
 Union Oil Company of California. (See Page, Alexander G., assignor.)
 Union Oil Company of California. (See Rebber, L. L., Crossfield, and Ragatz, assignors.)
 Union Oil Company of California. (See Subkow, Philip, assignor.)
 Union Oil Company of California. (See Winter, Henry E., assignor.)
 Union Railway Equipment Company. (See O'Connor, Raymond C., assignor.)
 Union Sandpaper Company. (See McKee, Joseph, assignor.)
 Union Special Machine Company. (See Bartling, Edmund F., assignor.)
 Union Special Machine Company. (See Christensen, N. V., and Le Vesconte, assignors.)
 Union Special Machine Company. (See Christensen, N. V., Le Vesconte, and Rubel, assignors.)
 Union Special Machine Company. (See Christensen, N. V., and Zeler, assignors.)
 Union Special Machine Company. (See Cooper, G. C., and Mann, assignors.)
 Union Special Machine Company. (See Hacklander, Hans, assignor.)
 Union Special Machine Company. (See Kucera, Frank A., assignor.)
 Union Special Machine Company. (See Le Vesconte, Harold J., assignor.)
 Union Special Machine Company. (See Mann, Joseph, assignor.)
 Union Special Machine Company. (See Riviere, Albert S., assignor.)
 Union Special Machine Company. (See Rubel, Charles F., assignor.)
 Union Special Machine Company. (See Sauer, George, assignor.)
 Union Special Machine Company. (See Thompson, Charles S., assignor.)
 Union Special Machine Company. (See Zeler, Frederick F., assignor.)
 Union Special Maschinenfabrik, G. m. b. H. (See Maier, Karl, assignor.)
 Union Steam Pump Company. (See Bird, John C., assignor.)
 Union Steam Pump Company. (See Smith, Karl D., assignor.)
 Union Steel Chest Corporation, The. (See Pratt, Seely F., assignor.)
 Union Steel Products Company. (See Hatch, Charles T., assignor.)
 Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
 Union Switch & Signal Company, The. (See Ashworth, Harry E., assignor.)
 Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
 Union Switch & Signal Company, The. (See Baughman, G. W., and Nicholson, assignors.)
 Union Switch & Signal Company, The. (See Bell, Charles W., assignor.)
 Union Switch & Signal Company, The. (See Blosser, Herman G., assignor.)
 Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
 Union Switch & Signal Company, The. (See Bone, H. L., and McWhirter, assignors.)
 Union Switch & Signal Company, The. (See Brooks, C. A., and Pelikan, assignors.)
 Union Switch & Signal Company, The. (See Bryan, H. W., and Nicholson, assignors.)
 Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
 Union Switch & Signal Company, The. (See Crago, P. H., and Rosenfeld.)
 Union Switch & Signal Company, The. (See Dixon, Howell N., assignor.)
 Union Switch & Signal Company, The. (See Dodd, Arthur E., assignor.)
 Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
 Union Switch & Signal Company, The. (See Fisher, Arthur W., assignor.)
 Union Switch & Signal Company, The. (See Geiger, Paul H., assignor.)
 Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
 Union Switch & Signal Company, The. (See Grondahl, L. O., and Geiger, assignors.)
 Union Switch & Signal Company, The. (See Hovey, Mark H., assignor.)
 Union Switch & Signal Company, The. (See Kemmerer, Ralph R., assignor.)
 Union Switch & Signal Company, The. (See Lazich, B., and Ashworth, assignors.)
 Union Switch & Signal Company, The. (See Lee, Frederick W., assignor.)
 Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
 Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
 Union Switch & Signal Company, The. (See Logan, John W., Jr., assignor.)
 Union Switch & Signal Company, The. (See Loomis, Harold S., assignor.)
 Union Switch & Signal Company, The. (See McCann, R. A., and Young, assignors.)
 Union Switch & Signal Company, The. (See McWhirter, William C., assignor.)
 Union Switch & Signal Company, The. (See Mishelevich, Benjamin, assignor.)
 Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
 Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
 Union Switch & Signal Company, The. (See Seiger, Paul H., assignor.)
 Union Switch & Signal Company, The. (See Smith, William E., assignor.)
 Union Switch & Signal Company, The. (See Snively, C. S., Fitzsimmons, and Agnew, assignors.)
 Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
 Union Switch & Signal Company, The. (See Stoker, Paul P., assignor.)
 Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
 Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)
 Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
 Union Switch & Signal Company, The. (See Wells, Wesley B., assignor.)
 Union Switch & Signal Company, The. (See Willard, Paul F., assignor.)
 Union Switch & Signal Company, The. (See Williams, Albert L., assignor.)

- Union Switch & Signal Company. (See Williamson, Arba G., assignor.)
- Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
- Union Switch & Signal Company. (See Young, H. S., and McCann, assignors.)
- Union Tank Car Company. (See Bill, George W., assignor.)
- Union Trust Company, The. (See Willsie, Henry E., assignor.)
- Union Water Meter Company. (See Larrabee, William H., assignor.)
- Unipress Company, The. (See Reynolds, John F., assignor.)
- United Aircraft Products, Inc. (See Hiester, Theodore M., assignor.)
- United American Bosch Corporation. (See Beeh, Louis, assignor.)
- United American Bosch Corporation. (See Beeh, L., and Schwarzmann, assignors.)
- United American Bosch Corporation. (See Berglund, Nils, assignor.)
- United American Bosch Corporation. (See Cotter, William F., assignor.)
- United American Bosch Corporation. (See Cotter, W. F., and Bond, assignors.)
- United American Bosch Corporation. (See Cotter, W. F., and Kongsted.)
- United American Bosch Corporation. (See Curtis, Leslie F., assignor.)
- United American Bosch Corporation. (See Curtis, L. F., Cotter, and Eastman, assignors.)
- United American Bosch Corporation. (See Graesser, Carl F., assignor.)
- United American Bosch Corporation. (See Henderson, Ken L., assignor.)
- United American Bosch Corporation. (See Kongsted, Ludvig P., assignor.)
- United American Bosch Corporation. (See Lang, Gustave J.)
- United American Bosch Corporation. (See Lang, G. J., Beeh, and Martin, assignors.)
- United American Bosch Corporation. (See Martin, John F., assignor.)
- United American Bosch Corporation. (See Martin, J. F., and Waker, assignors.)
- United American Bosch Corporation. (See Schwarzmann, Wolfgang E., assignor.)
- United American Bosch Corporation. (See Waker, Hermann, assignor.)
- United American Bosch Corporation. (See Wild, J. E., and Schwarzmann, assignors.)
- United Autographic Register Co. (See Barker, Lewis, assignor.)
- United Autographic Register Company. (See Budlong, Robert D., assignor.)
- United Autographic Register Co. (See Euth, John E., assignor.)
- United Autographic Register Co. (See Jensen, Louis, assignor.)
- United Autographic Register Co. (See Miller, Louis J., assignor.)
- United Autographic Register Co. (See Peters, Oscar P., assignor.)
- United Autographic Register Co. (See Schroeder, Bernard A., assignor.)
- United-Carr Fastener Corporation. (See Carr, Moses F., assignor.)
- United-Carr Fastener Corporation. (See Hayden, Lester N., assignor.)
- United-Carr Fastener Corporation. (See Holmes, George A., assignor.)
- United-Carr Fastener Corporation. (See Johnson, Gustav, assignor.)
- United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
- United-Carr Fastener Corporation. (See Kimbell, Arthur W., assignor.)
- United-Carr Fastener Corporation. (See Knutson, Carl L., assignor.)
- United-Carr Fastener Corporation. (See McCabe, Charles J., assignor.)
- United-Carr Fastener Corporation. (See McCabe, C. J., and Schoenholz, assignors.)
- United-Carr Fastener Corporation. (See Smith, Alfred J., assignor.)
- United-Carr Fastener Corporation. (See Upham, Preston, assignor.)
- United-Carr Fastener Corporation. (See Walker, William J., assignor.)
- United-Carr Fastener Corporation. (See Walters, Rollo F., assignor.)
- United Chromium, Incorporated. (See Eldridge, Charles H., assignor.)
- United Chromium, Incorporated. (See Fink, C. G., and Eldridge, assignors.)
- United Chromium, Incorporated. (See Mahlstedt, Henry, assignor.)
- United Cigarette Machine Company. (See Gooch, Claiborne W., jr., assignor.)
- United Cigarette Machine Company, Aktiengesellschaft. (See Brunn, W., and Kaubisch, assignors.)
- United Drug Company. (See Coleman, Harold F., assignor.)
- United Drug Company. (See Schulz, Paul A., assignor.)
- United Dry Docks, Incorporated. (See Myers, Myron L., assignor.)
- United Dry Docks, Incorporated. (See Wiseman, John T., assignor.)
- United Elastic Corporation. (See Conant, Stanley F., assignor.)
- United Elastic Corporation. (See Kendrick, Solomon, assignor.)
- United Elastic Corporation. (See Van Voorhis, George S., assignor.)
- United Electric Clock Corporation. (See Knopp, Rudolph, assignor.)
- United Electric Controls Company. (See Ball, William T., assignor.)
- United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
- United Engineering & Foundry Company. (See Biggert, F. C., jr., and Smitmann, assignors.)
- United Engineering and Foundry Company. (See Coryell, William C., assignor.)
- United Engineering & Foundry Company. (See Ellis, Robert H., assignor.)
- United Engineering & Foundry Company. (See Hoy, John B., assignor.)
- United Engineering & Foundry Company. (See McDowell, C. A., and Buente, assignors.)
- United Engineering & Foundry Company. (See Moses, Richard W., assignor.)
- United Engineering & Foundry Company. (See Reilly, E. C., and Pennington, assignors.)
- United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
- United Engineering & Foundry Company. (See Talbot, Howard H., assignor.)
- United Engineering & Foundry Company. (See Talbot, H. H., and McBane, assignors.)
- United Engineering & Foundry Company. (See Tross, Ernest E., assignor.)
- United Fruit Company. (See Wilson, Robert M., assignor.)
- United Gas Improvement Company. (See Brady, E. J., and Claffey, assignors.)
- United Gas Improvement Company, The. (See Brady, E. J., and Hall, assignors.)
- United Gas Improvement Company, The. (See Evans, Owen B., assignor.)
- United Gas Improvement Company, The. (See Hall, Edwin L., assignor.)
- United Gas Improvement Company, The. (See Hall, E. L., and Brady, assignors.)
- United Gas Improvement Company. (See Hall, E. L., Perry, and Brady, assignors.)
- United Gas Improvement Company, The. (See Janeway, Price W., jr., assignor.)
- United Gas Improvement Company. (See Kunberger, Albert F., assignor.)
- United Gas Improvement Company, The. (See Perry, Joseph A., assignor.)
- United Gas Improvement Company, The. (See Perry, J. A., and Brady, assignors.)
- United Gas Improvement Company, The. (See Perry, J. A., and Fulweiler, assignors.)
- United Gas Improvement Company. (See Terzian, Harutyun G., assignor.)
- United Gas Improvement Company, The. (See Ward, A. L., and Jordan, assignor.)
- United Glass Bottle Manufacturers Limited, The. (See Moorshead, Thomas C., assignor.)
- United Glass Bottle Manufacturers Limited. (See Moorshead, T. C., and Hurlbut, assignors.)
- United Glass Bottle Manufacturers, Limited. (See Moorshead, William A., assignor.)
- United Kingdoms Optical Company, Limited. (See Culver, E., and Emerson, assignors.)
- United Mattress Machinery Co. Inc. (See Mathewson, Wilfred B., assignor.)
- United Merchants and Manufacturers, Inc. (See Forsdale, Oscar H., assignor.)
- United Metal Box Co. (See Hammer, Samuel, assignor.)
- United Metal Box Co. Inc. (See Hammer, Samuel, assignor.)
- United Metal Goods Manufacturing Co. (See Levy, Abraham, assignor.)
- United Piece Dye Works. (See Baer, Walter A., assignor.)
- United Piece Dye Works. (See Scheuermann, Theodore, assignor.)
- United Research Corporation. (See Baumann, Harold C., assignor.)
- United Research Corporation. (See Berkowitz, Michael, assignor.)
- United Research Corporation. (See Bishop, Joseph W., assignor.)
- United Research Corporation. (See Carpenter, Arthur W., assignor.)
- United Research Corporation. (See Gillette, Clyde F., assignor.)
- United Research Corporation. (See Hasbrouck, H. J., and Dreisbach, assignors.)
- United Research Corporation. (See Head, Robert, assignor.)
- United Research Corporation. (See Jackman, Fred W., assignor.)
- United Research Corporation. (See Lyon, Ray S., assignor.)

United Research Corporation. (See McClay, Charles E., assignor.)
 United Research Corporation. (See Mueller, William A., assignor.)
 United Research Corporation. (See Nystrom, Martin, assignor.)
 United Research Corporation. (See Ross, Arthur, assignor.)
 United Research Corporation. (See Symonds, James E., assignor.)
 United Research Corporation. (See Tichenor, Carl M., assignor.)
 United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
 United Shoe Machinery Corporation. (See Balcom, Frederick J., assignor.)
 United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)
 United Shoe Machinery Corporation. (See Barnett, Herbert, assignor.)
 United Shoe Machinery Corporation. (See Barnett, Walter, assignor.)
 United Shoe Machinery Corporation. (See Barton, Frank, assignor.)
 United Shoe Machinery Corporation. (See Bates, Arthur, assignor.)
 United Shoe Machinery Corporation. (See Bates, A., and Keall, assignors.)
 United Shoe Machinery Corporation. (See Bates, A., Barclay, and Hazelton, assignors.)
 United Shoe Machinery Corporation. (See Baxter, William C., assignor.)
 United Shoe Machinery Corporation. (See Baxter, William L., assignor.)
 United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
 United Shoe Machinery Corporation. (See Bazzoni, L. J., and Elliott, assignors.)
 United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
 United Shoe Machinery Corporation. (See Bessom, Earl A., assignor.)
 United Shoe Machinery Corporation. (See Blanchard, Benjamin B., assignor.)
 United Shoe Machinery Corporation. (See Bolton, William R., assignor.)
 United Shoe Machinery Corporation. (See Boulton, George, assignor.)
 United Shoe Machinery Corporation. (See Brandt, Francis L., assignor.)
 United Shoe Machinery Corporation. (See Briegler, Hugh E., assignor.)
 United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
 United Shoe Machinery Corporation. (See Bunker, Darius W., assignor.)
 United Shoe Machinery Corporation. (See Chapin, Herbert L., assignor.)
 United Shoe Machinery Corporation. (See Chapin, H. L., and Johnson, assignors.)
 United Shoe Machinery Corporation. (See Clark, Alfred S., assignor.)
 United Shoe Machinery Corporation. (See Clarke, G., and Lund, assignors.)
 United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
 United Shoe Machinery Corporation. (See Coughlin, Stuart J., assignor.)
 United Shoe Machinery Corporation. (See Disch, John E., assignor.)
 United Shoe Machinery Corporation. (See Dodge, Henry A., assignor.)
 United Shoe Machinery Corporation. (See Dow, Harry E., assignor.)
 United Shoe Machinery Corporation. (See Duplessis, René E., assignor.)
 United Shoe Machinery Corporation. (See Eastman, Fred C., assignor.)
 United Shoe Machinery Corporation. (See Edwards, Herbert E., assignor.)
 United Shoe Machinery Corporation. (See Edwards, H. E., and Tolman, Jr., assignors.)
 United Shoe Machinery Corporation. (See Eich, Frank A., assignor.)
 United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
 United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
 United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
 United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
 United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
 United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
 United Shoe Machinery Corporation. (See Goddu, George, assignor.)
 United Shoe Machinery Corporation. (See Goddu, G., and MacKenzie, assignors.)
 United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
 United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)

United Shoe Machinery Corporation. (See Gouldbourn, J., Ricks, and Roberts, assignors.)
 United Shoe Machinery Corporation. (See Graf, Henry, assignor.)
 United Shoe Machinery Corporation. (See Greenough, Henry B., assignor.)
 United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
 United Shoe Machinery Corporation. (See Hardy, John F., assignor.)
 United Shoe Machinery Corporation. (See Hart, George T., Jr., assignor.)
 United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
 United Shoe Machinery Corporation. (See Heggs, W. H., and Pratt, assignors.)
 United Shoe Machinery Corporation. (See Hogan, Patrick J., assignor.)
 United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
 United Shoe Machinery Corporation. (See Homan, Frank W., assignor.)
 United Shoe Machinery Corporation. (See Hood, Charles E., assignor.)
 United Shoe Machinery Corporation. (See Hope, Ernest, assignor.)
 United Shoe Machinery Corporation. (See Hoppe, Otto F., assignor.)
 United Shoe Machinery Corporation. (See Hudson, Albert E., assignor.)
 United Shoe Machinery Corporation. (See James, Lester E., assignor.)
 United Shoe Machinery Corporation. (See Johnson, Arthur S., assignor.)
 United Shoe Machinery Corporation. (See Jones, Charles T., assignor.)
 United Shoe Machinery Corporation. (See Jorgensen, Bernhard, assignor.)
 United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
 United Shoe Machinery Corporation. (See Keall, Frank B., assignor.)
 United Shoe Machinery Corporation. (See Keall, F. B., and Elliott, assignors.)
 United Shoe Machinery Corporation. (See Keall, F. B., and Harrington, assignors.)
 United Shoe Machinery Corporation. (See Keall, F. B., and Jones, assignors.)
 United Shoe Machinery Corporation. (See Kershaw, John T., assignor.)
 United Shoe Machinery Corporation. (See Kestell, Thomas A., assignor.)
 United Shoe Machinery Corporation. (See Kilburn, Karl, assignor.)
 United Shoe Machinery Corporation. (See Kilham, Charles C., assignor.)
 United Shoe Machinery Corporation. (See Kinney, Fay D., assignor.)
 United Shoe Machinery Corporation. (See Knapp, Ray, assignor.)
 United Shoe Machinery Corporation. (See Knowlton, Cutler D., assignor.)
 United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
 United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
 United Shoe Machinery Corporation. (See Lawson, Axel A., assignor.)
 United Shoe Machinery Corporation. (See Lawson, Oscar L., assignor.)
 United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
 United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
 United Shoe Machinery Corporation. (See Lovejoy, Fred C., assignor.)
 United Shoe Machinery Corporation. (See Lucey, Michael, assignor.)
 United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
 United Shoe Machinery Corporation. (See Macdonald, David B., assignor.)
 United Shoe Machinery Corporation. (See Macdonald, Lester S., assignor.)
 United Shoe Machinery Corporation. (See MacKenzie, Fred L., assignor.)
 United Shoe Machinery Corporation. (See May, John W., assignor.)
 United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)
 United Shoe Machinery Corporation. (See Minard, Wheeler, assignor.)
 United Shoe Machinery Corporation. (See Miner, G. A., and Lawson, assignors.)
 United Shoe Machinery Corporation. (See Minett, Wilfrid T., assignor.)
 United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
 United Shoe Machinery Corporation. (See Moskowitz, Abram, assignor.)
 United Shoe Machinery Corporation. (See Naugler, Walter E., assignor.)
 United Shoe Machinery Corporation. (See Newhall, Herbert B., assignor.)
 United Shoe Machinery Corporation. (See Nichols, George H., assignor.)

- United Shoe Machinery Corporation. (See Nown, Horace V., assignor.)
 United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
 United Shoe Machinery Corporation. (See Osborne, Harold A., assignor.)
 United Shoe Machinery Corporation. (See Perkins, George A., jr., assignor.)
 United Shoe Machinery Corporation. (See Pratt, J. W., and Lane, assignors.)
 United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
 United Shoe Machinery Corporation. (See Pym, A. F., and Schoenky, assignors.)
 United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
 United Shoe Machinery Corporation. (See Pym, C. F. and A. F., assignors.)
 United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
 United Shoe Machinery Corporation. (See Reed, William A., assignor.)
 United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)
 United Shoe Machinery Corporation. (See Ricks, F., and Alcock, assignors.)
 United Shoe Machinery Corporation. (See Ricks, F., and Towndrow, assignors.)
 United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
 United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)
 United Shoe Machinery Corporation. (See Roeder, C. E., and Swanson, assignors.)
 United Shoe Machinery Corporation. (See Rowen, Thomas C., assignor.)
 United Shoe Machinery Corporation. (See Ryan, George F., assignor.)
 United Shoe Machinery Corporation. (See Scarnegie, Daniel A., assignor.)
 United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
 United Shoe Machinery Corporation. (See Sherman, F. S., and Husler, assignors.)
 United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
 United Shoe Machinery Corporation. (See Smith, Archibald C., assignor.)
 United Shoe Machinery Corporation. (See Smith, Charles J., assignor.)
 United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
 United Shoe Machinery Corporation. (See Stanbon, Harry R., assignor.)
 United Shoe Machinery Corporation. (See Standish, John F., assignor.)
 United Shoe Machinery Corporation. (See Steinmann, Walter, assignor.)
 United Shoe Machinery Corporation. (See Strongson, Herman L., assignor.)
 United Shoe Machinery Corporation. (See Swales, G. P., Roberts, and Lane, assignors.)
 United Shoe Machinery Corporation. (See Tetlow, Max W., assignor.)
 United Shoe Machinery Corporation. (See Thomas, William D., assignor.)
 United Shoe Machinery Corporation. (See Thum, Walter A., assignor.)
 United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
 United Shoe Machinery Corporation. (See Tyler, Edgar C., assignor.)
 United Shoe Machinery Corporation. (See Warren, Harold, assignor.)
 United Shoe Machinery Corporation. (See Wedger, Walter H., assignor.)
 United Shoe Machinery Corporation. (See Whelton, John M., assignor.)
 United Shoe Machinery Corporation. (See White, Melbourne W., assignor.)
 United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
 United Shoe Machinery Corporation. (See Woodcock, R. B., and Boothroyd, assignors.)
 United States Air Compressor Company, The. (See Bacher, Rollin L., assignor.)
 United States Air Compressor Company, The. (See Hall, Walter V., assignor.)
 United States Appliance Corporation. (See Davis, William H. H., assignor.)
 United States Appliance Corporation. (See Keele, Ralph M., assignor.)
 United States Appliance Corporation. (See Moseley, Tomlinson I., assignor.)
 United States as represented by the Secretary of Commerce, Government of the. (See Dunmore, Francis W.)
 United States Bobbin & Shuttle Company (1929). (See Snow, Isaac, assignor.)
 United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
 U. S. Duplicator Company. (See Sabik, G., and Offer, assignors.)
 United States Electrical Manufacturing Company. (See Heyer, Don, assignor.)
 United States Electrical Manufacturing Company. (See Myers, Thomas G., assignor.)
 U. S. Electrical Manufacturing Company. (See Pfeiffer, George T., assignor.)
 United States Envelope Company. (See Anderson, George A., assignor.)
 United States Envelope Company. (See Becker, P., and Poppenburger, assignors.)
 United States Envelope Company. (See Cather, Charles E., assignor.)
 United States Envelope Company. (See Goder, Max, assignor.)
 United States Envelope Company. (See Irrgang, William F., assignor.)
 United States Envelope Company. (See Swift, Willard E., assignor.)
 U. S. Fire Protection Corporation. (See Willenborg, Walter J., assignor.)
 United States Gauge Company. (See Anneren, Rolf E., assignor.)
 United States Gauge Company. (See Gaiser, Paul, assignor.)
 United States Gauge Company. (See Klein, Maximilian, assignor.)
 United States Gauge Company. (See Place, J. W., and Aschenbach, assignors.)
 United States, Government of the. (See Babbitt, Herbert S., assignor.)
 United States, Government of the. (See Dunmore, Francis W., assignor.)
 United States, Government of the. (See Isbell, Horace S., assignor.)
 United States, Government of the. (See Small, Lyndon F., assignor.)
 U. S. Governor Corporation. (See Altenberg, Alfons A., assignor.)
 United States Gypsum Company. (See Baldof, Bruno E., assignor.)
 United States Gypsum Company. (See Baldof, B. E., and Hayes, assignors.)
 United States Gypsum Company. (See Besal, J. A., and Ives, assignors.)
 United States Gypsum Company. (See Birdsey, Charles R., assignor.)
 United States Gypsum Company. (See Birdsey, C. R., and Reel, assignors.)
 United States Gypsum Company. (See Camp, Thomas P., assignor.)
 United States Gypsum Company. (See Donahue, John V., assignor.)
 United States Gypsum Company. (See Ericson, Richard, assignor.)
 United States Gypsum Company. (See Ericson, R., Offutt, and Parsons, assignors.)
 United States Gypsum Company. (See Gough, F. J., and Ballard, assignors.)
 United States Gypsum Company. (See Griffith, Arthur C., assignor.)
 United States Gypsum Company. (See Manske, Fred A., assignor.)
 United States Gypsum Company. (See McNeil, William M., assignor.)
 United States Gypsum Company. (See Offut, James S., assignor.)
 United States Gypsum Company. (See Parsons, Joseph R., assignor.)
 United States Gypsum Company. (See Randel, W. S., Dailey, and McNeil, assignors.)
 United States Gypsum Company. (See Roos, Carlisle K., assignor.)
 United States Gypsum Company. (See Scholz, Herman A., assignor.)
 United States Gypsum Company. (See Scholz, H. A., and Randell, assignors.)
 United States Gypsum Company. (See Stitt, Roger H., assignor.)
 United States Hoffman Machinery Corporation. (See Card, John L., assignor.)
 United States Hoffman Machinery Corporation. (See Koplin, H., and Maki, assignors.)
 United States Hoffman Machinery Corporation. (See Power, Thomas J., assignor.)
 United States Hoffman Machinery Corporation. (See Sutton, Harry G., assignor.)
 United States Holding Corporation. (See Lamblin-Parent, Gustave A. M., assignor.)
 U. S. Industrial Alcohol Co. (See Carter, R. M., and Johnson, assignors.)
 U. S. Industrial Alcohol Co. (See Mason, Donald B., assignor.)
 U. S. Industrial Alcohol Company. (See Metzger, F. J., and Backus, assignors.)
 U. S. Manufacturing Corporation. (See Bennett, John L., assignor.)
 U. S. Manufacturing Corporation. (See Bennett, J. L., and Platt, assignors.)
 U. S. Manufacturing Corporation. (See Shafter, Adolph F., assignor.)
 United States Metallic Packing Company, The. (See Light, R. A., and Price, jr., assignors.)
 United States Metallic Packing Company, The. (See McLain, Harry J. and H. T., assignors.)
 United States Metals Refining Company. (See Eppenstein, William F. and W. F., assignors.)

- United States of America, The. (See Partridge, E. P., and Fraas, assignors.)
- United States of America as represented by the Secretary of War, The. (See Towle, Ellingwood H., assignor.)
- United States of America, Free use of the Public of the. (See Gray, R. B., and Schoenleber, assignors.)
- United States Ordnance Company. (See Smith, George L., assignor.)
- United States Paper Mills, Inc. (See Winter, C. P., and Rosenthal, assignors.)
- United States Pipe and Foundry Company. (See Clark, Stuart B., assignor.)
- United States Pipe and Foundry Company. (See Clark, S. B., and Langenburg, assignors.)
- United States Pipe and Foundry Company. (See Hering, Edward, assignor.)
- United States Pipe and Foundry Company. (See Hunt, H. S., and Arnold, assignors.)
- United States Pipe & Foundry Company. (See Langenberg, Frederick C., assignor.)
- United States Pipe and Foundry Company. (See Langenberg, F. C., and Reddick, assignors.)
- United States Pipe and Foundry Company. (See Russell, N. F. S., and Langenburg, assignors.)
- United States Pipe and Foundry Company. (See Webre, Alfred L., assignor.)
- U. S. Plastic Molders Mfg. Corp. (See Bickerstaff, Robert C., assignor.)
- United States Printing and Lithograph Co. (See Taylor, Arthur K., assignor.)
- United States Radiator Corporation. (See McIntire, James F., assignor.)
- United States Radio & Television Corporation. (See Greenwald, Harold A., assignor.)
- United States Register Co. (See Truax, William T., assignor.)
- U. S. Ring Traveler Company. (See Gilligan, George H., assignor.)
- United States Rubber Company. (See Avery, William L., assignor.)
- United States Rubber Company. (See Gammeter, John R., assignor.)
- United States Rubber Company. (See Linke, Paul A., assignor.)
- United States Rubber Company. (See Shaw, G. B., Sturdevant, and Short, assignors.)
- United States Shoe Corporation, The. (See Daniels, Ernest M., assignor.)
- U. S. Slicing Machine Company. (See Ahrndt, Arthur H., assignor.)
- U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
- U. S. Slicing Machine Company. (See Mahler, William, assignor.)
- U. S. Slicing Machine Company. (See Thomas, Henry, assignor.)
- U. S. Slicing Machine Company. (See van Berkel, Cornelius F. M., assignor.)
- U. S. Slicing Machine Company. (See van Berkel, Wilhelm A., assignor.)
- U. S. Slicing Machine Company. (See van Duyn, Adrianus, assignor.)
- United States Tire Company. (See Bull, Arthur W., assignor.)
- United States Tire Company. (See Hopkinson, Ernest, assignor.)
- United States Tire Company. (See McLaughlin, Nelson E., assignor.)
- United States Tire Company. (See Patrick, Russell, assignor.)
- United States Tire Company. (See Thacher, Sheldon P., assignor.)
- United States Tire Company. (See Wikle, George F., assignor.)
- United States Tobacco Company. (See Thom, James C., assignor.)
- United Steel & Wire Company. (See Jarvis, Charles H., assignor.)
- United Verde Copper Company. (See Barker, L. M., Young, and Ralston, assignors.)
- United Verde Copper Company. (See Kuzell, Charles R., assignor.)
- United Verde Copper Company. (See Ralston, Oliver C., assignor.)
- United Verde Copper Company. (See Ralston, O. C., and Miller, assignors.)
- United Verde Copper Company. (See Rosenstein, Ludwig, assignor.)
- United Verde Copper Company. (See Rosenstein, L., and Klein, assignors.)
- Universal Air Filter Corporation. (See Christofferson, Charles, assignor.)
- Universal Battery Company. (See Watkins, Ray O., assignor.)
- Universal Button Fastening & Button Company. (See Clark, John M., assignor.)
- Universal Cooler Corporation. (See Thompson, Harry E., assignor.)
- Universal Draft Gear Attachment Company. (See Barthelmy, P. P., and Wilson, assignors.)
- Universal Draft Gear Attachment Co. (See Bartsch, Herbert E., assignor.)
- Universal Draft Gear Attachment Company. (See Camp, Percy B., assignor.)
- Universal Draft Gear Attachment Co. (See Camp, P. B., and Wilson, assignors.)
- Universal Draft Gear Attachment Company. (See Kinsman, Charles C., assignor.)
- Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
- Universal Form Clamp Company. (See Anderson, MacGregor S., assignor.)
- Universal Gear Corporation. (See Wennerstrom, Carl G., assignor.)
- Universal Hydraulic Corporation. (See Kinzie, Phillip A., assignor.)
- Universal Hydraulic Corporation. (See Kinzie, P. A., Savage, and France, assignors.)
- Universal Lamp Company. (See Horsely, James H., assignor.)
- Universal Lubricating Systems, Inc. (See Rogers, G. S., and Johnson, assignors.)
- Universal Oil Products Company. (See Alberding, Charles H., assignor.)
- Universal Oil Products Company. (See Alther, Joseph G., assignor.)
- Universal Oil Products Company. (See Angell, Charles H., assignor.)
- Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
- Universal Oil Products Company. (See Benner, Harry P., assignor.)
- Universal Oil Products Company. (See Cook, Ralph C., assignor.)
- Universal Oil Products Company. (See Cutter, John, assignor.)
- Universal Oil Products Company. (See Davis, Richard F., assignor.)
- Universal Oil Products Company. (See Day, Roland B., assignor.)
- Universal Oil Products Company. (See de Rachat, Nicholas G., assignor.)
- Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
- Universal Oil Products Company. (See Egloff, Gustav, assignor.)
- Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
- Universal Oil Products Company. (See Egloff, G., and Fisher, assignors.)
- Universal Oil Products Company. (See Egloff, G., and Lowry, assignors.)
- Universal Oil Products Company. (See Egloff, G., and Morrell, assignors.)
- Universal Oil Products Company. (See Egloff, G., and Schaad, assignors.)
- Universal Oil Products Company. (See Fisher, Alfred, assignor.)
- Universal Oil Products Company. (See Fisher, A., and Egloff, assignors.)
- Universal Oil Products Company. (See Flock, Bernard J., assignor.)
- Universal Oil Products Company. (See Gerstenberger, Donald F., assignor.)
- Universal Oil Products Company. (See Heid, Jacob B., assignor.)
- Universal Oil Products Company. (See Huff, Lyman C., assignor.)
- Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)
- Universal Oil Products Company. (See Jacob, John B., assignor.)
- Universal Oil Products Company. (See Jurrissen, A. W., Cox, and Wood, assignors.)
- Universal Oil Products Company. (See Kirschbraun, Lester, assignor.)
- Universal Oil Products Company. (See Levine, Ime, assignor.)
- Universal Oil Products Company. (See Lowry, Charles D., assignor.)
- Universal Oil Products Company. (See Mather, P., and Bergman, assignors.)
- Universal Oil Products Company. (See McAdams, W. H., and Weber, assignors.)
- Universal Oil Products Company. (See Mekler, Lev A., assignor.)
- Universal Oil Products Company. (See Mekler, Valentine, assignor.)
- Universal Oil Products Company. (See Morrell, Jacques C., assignor.)
- Universal Oil Products Company. (See Morrell, J. C., and Egloff, assignors.)
- Universal Oil Products Company. (See Nelson, Edwin F., assignor.)
- Universal Oil Products Company. (See Otto, A. H. J., and van Holst, assignors.)
- Universal Oil Products Company. (See Perelis, Walter J., assignor.)
- Universal Oil Products Company. (See Pratt, Clifton J., assignor.)
- Universal Oil Products Company. (See Pyzel, Robert, assignor.)
- Universal Oil Products Company. (See Ritz, Frederick J., assignor.)
- Universal Oil Products Company. (See Schaad, Raymond E., assignor.)
- Universal Oil Products Company. (See Seguy, Jean D., assignor.)

- Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
- Universal Oil Products Company. (See Tropsch, Hans, assignor.)
- Universal Oil Products Company. (See van der Werf, Jan, assignor.)
- Universal Oil Products Company. (See Wadsworth, James M., assignor.)
- Universal Oil Products Company. (See Watson, Kenneth M., assignor.)
- Universal Oil Products Company. (See Watson, K. M., and Mekler, assignors.)
- Universal Oil Products Company. (See Weber, H. C., and McAdams, assignors.)
- Universal Oil-Seal Company. (See Nelson, Victor E., assignor.)
- Universal Optical Corporation. (See Bosworth, Thomas E., assignor.)
- Universal Optical Corporation. (See Nelson, John N., assignor.)
- Universal Optical Corporation. (See Searles, Wayne S., assignor.)
- Universal Oven Company. (See Elliott, Irwin, assignor.)
- Universal Parts Mfg. Corp. (See Grawoig, Barney, assignor.)
- Universal Patents Holding Co. (See Peters, Henry, assignor.)
- Universal Pipe and Radiator Company, The. (See Hansen, Anton, assignor.)
- Universal Pressing Machine Company. (See Pierce, Allen B., assignor.)
- Universal Products Co. (See Miquelon, Pantaleon E., assignor.)
- Universal Products Company. (See Yeomans, Lucien I., assignor.)
- Universal Products Co., Inc. (See Goddard, P. B., and Ketcham, assignors.)
- Universal Products Corporation. (See Bonfield, Haswell T., assignor.)
- Universal Sand Equipment Company, The. (See Dryfoos, Sidney L., assignor.)
- Universal Sanitary Manufacturing Co. (See Russell, Romulus M., assignor.)
- Universal Sanitary Manufacturing Co. (See Turner, C. Beam, and McAfee, assignors.)
- Universal Stamping & Mfg. Co. (See Shapiro, Abraham, assignor.)
- Universal Twin Coil Solar Heater Company. (See Wheeler, Henry A., assignor.)
- Universal Winding Company. (See Anderson, Johan A., assignor.)
- Universal Winding Company. (See Beckman, Gustaf S., assignor.)
- Universal Winding Company. (See Bishop, Frederick H., assignor.)
- Universal Winding Company. (See Burton, Hugh F., assignor.)
- Universal Winding Company, et al. (See Langstreth, Melon, assignor.)
- Universal Winding Company. (See Le Boeuf, Arthur W., assignor.)
- Universal Winding Company. (See Lewis, Everett C., assignor.)
- Universal Winding Company. (See Marcroft, William, assignor.)
- Universal Winding Company. (See Nelson, John, assignor.)
- Universal Winding Company. (See Parks, Edward F., assignor.)
- Universal Winding Company. (See Reynolds, C. D., and Scott, assignors.)
- Universal Winding Company. (See Swanson, Ernest R., assignor.)
- Universal Winding Company. (See Swanson, E. R., and Marcroft, assignors.)
- Universal Winding Company. (See Taylor, George N., assignor.)
- Universal Window Company. (See Wiley, Esmond F., assignor.)
- "Universelle" Cigaretten-maschinenfabrik J. C. Muller & Co. (See Hohn, Max P. E., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Jähne, Ernst H., assignor.)
- "Universelle" Cigarettenmaschinen Fabrik J. C. Muller & Co. (See Klux, Alexander H., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Müller, Carl W., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Neff, Johannes, assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Schmedel, Johannes, assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Schneider, Willy P., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co. (See Stelzer, Franz H. B., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Tögel, Walter, assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Werner, Albert, assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Zimniak, Edmund A., assignor.)
- University of Illinois, Board of Trustees. (See Burks, Dana, Jr., assignor.)
- University of Michigan, Regents of the. (See Blicke, Frederick F., assignor.)
- Universum Film Aktiengesellschaft. (See Lohmann, Adalbert, assignor.)
- Univis Corporation, The. (See Hancock, Virgil H., assignor.)
- Univis Corporation, The. (See Toulmin, Harry A., Jr., assignor.)
- Unk, Jacob M., K. M. van Gessel, and E. Oosterhuis, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electric discharge tube. 1,955,396; Apr. 17.
- Unke, Herman A., Cleveland, Ohio. Apparatus for forming lugs in thread protectors. 1,949,923; Mar. 6.
- Unkles, Edward H., Weehawken, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Web feeding mechanism. 1,972,466; Sept. 4.
- Unyte Corporation. (See Eisemann, K., and Kollmann, assignors.)
- Unyte Corporation. (See Pungs, W., and Eisenmann, assignors.)
- Updegraff, Lee C., New York, N. Y., assignor to The Linde Air Products Company. Apparatus for dispensing gas material. 1,943,047; Jan. 9.
- Upham, Gilbert R., Churchville, assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Eyelet tape. 1,980,238; Nov. 13.
- Upham, Preston, Brookline, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket. 1,948,321; Feb. 20.
- Upjohn Company, The. (See Upjohn, Everett C., assignor.)
- Upjohn, Everett G., assignor to The Upjohn Company, Kalamazoo, Mich. Container for hypodermic solutions and other medicinal preparations. 1,945,126; Jan. 30.
- Upmeyer, Henry W., Sacramento, assignor of thirty-five per cent to R. T. Ross, Carmichael, and ten per cent to J. T. Kennedy, Sacramento, Calif. Headlight deflector. 1,967,342; July 24.
- Upper, Eugene L., assignor, by mesne assignments, to L. D. Leedom, Seattle, Wash. Baby bouncer. 1,950,042; Mar. 6.
- Upper, Frederick A., Niagara Falls, Ontario, Canada, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Resin bonded wheel. 1,950,641; Mar. 13.
- Upper, Frederick A., Niagara Falls, Ontario, Canada, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Manufacture of abrasive articles. 1,963,253; June 19.
- Uppercu, Inglis M. (See Phillips, C. L., and Uppercu.)
- Upsacker, Andrew, and N. Spetland, New York, N. Y. Snow scooter. 1,968,975; Aug. 7.
- Upshaw, George S., San Diego, Calif. Preparing original engraved plates for printing on rotary presses. 1,976,640; Oct. 9.
- Upton, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Revetment and method and apparatus for forming the same. 1,956,967; May 1.
- Upton, Walter L., Clayton, Mo., assignor to General Electric Company. Fan blade. 1,957,237; May 1.
- Opton, Charles B., Piqua, Ohio. Cooker. 1,942,624; Jan. 9.
- Upton Gear Company. (See Upton, Roy M., assignor.)
- Upton, Ralph W., et al. (See Fink, Leo M., assignor.)
- Upton, Roy M., assignor to Upton Gear Company, Miami, Fla. Reverse gear and clutch mechanism. 1,956,601; May 1.
- Urbach, Henry H. (See McVay, James C., and Urbach.)
- Urbach, William H., Astoria, N. Y. Clothesline hanger. 1,981,482; Nov. 20.
- Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Water purification. 1,947,747; Feb. 20.
- Urbain, Oliver M., Columbus, assignor to Charles H. Lewis, Harpster, Ohio. Destroying the stability of emulsoids. 1,964,444; June 28.
- Urbain, Oliver M., Columbus, assignor to Charles H. Lewis, Harpster, Ohio. Purification of organically polluted waters. 1,967,916; July 24.
- Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Water purification. 1,968,724; July 31.
- Urbain, Oliver M., Columbus, assignor to Charles H. Lewis, Harpster, Ohio. Removing organic compounds from water solution. 1,973,999; Sept. 18.
- Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Purifying phenolic liquors and recovering values therefrom. 1,974,000; Sept. 18.
- Urban, Claude E., Bellevue, assignor to Casper J. Kauffman, Pittsburgh, Pa. Vacuum tube tester. 1,949,341; Feb. 27.
- Urban, Emil. (See Stewart, O. V., and Urban.)
- Urban, George P., Buffalo, N. Y. Destroying insects. 1,948,228; Feb. 20.
- Urban, Mundel. (See Van Deerlin, R. W., and Urban.)
- Urbanek, Charles A. (See Arthur, J. M., and Urbanek.)
- Urbanek, Charles A., assignor to Standard Oil Company, Chicago, Ill. Service station building or the like. Des. 93,308; Sept. 11.
- Urbanek, Charles A., assignor to Standard Oil Company, Chicago, Ill. Service station building or the like. Des. 93,695; Oct. 23.
- Urbanek, Charles A., assignor to Standard Oil Company, Chicago, Ill. Service station building or the like. Des. 93,696; Oct. 23.

- Urbanek, Charles A., assignor to Standard Oil Company, Chicago, Ill. Service station building or the like. Des. 93,697; Oct. 23.
- Urbanek, Otto J., Chicago, Ill. Fly swatter. 1,967,384; July 24.
- Urberger, Charles M., et al. (See Nessel, Jesse, assignor.)
- Urberger, Henry N., et al. (See Nessel, Jesse, assignor.)
- Urfer, Adolf, Richmond Hill, assignor to Pioneer Instrument Company, Incorporated Brooklyn, N. Y. Aircraft indicator. 1,944,619; Jan. 23.
- Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Illuminating dials of instruments. 1,976,270; Oct. 9.
- Urich, Benjamin, Milwaukee, Wis. Merchandise display stand. 1,985,530; Dec. 25.
- Urie, David A., deceased; G. M. Urie, executrix, assignor to R. Urie, Chicago, Ill. Adhesive spreader. 1,958,453; May 15.
- Urie, Gertrude M., executrix. (See Urie, David A.)
- Urie, Robert. (See Urie, David A., assignor.)
- Urival, Alexs, assignor to Texas Harvest Hat Company, Inc., Laredo, Texas. Straw helmet hat. Des. 93,898; Nov. 20.
- Urmsen, William G., Hamden, Conn., assignor, by mesne assignments, to Radio Research Laboratories, Inc. Electron discharge device. 1,963,254; June 19.
- Uroukoff, Steve, Harvey, Ill. Apparatus for cleaning pipes. Re19,335; Oct. 2.
- Urquhart, George G., Cynwyd, Pa. Method of and apparatus for producing fire extinguishing foam. 1,954,154; Apr. 10.
- Urquhart, George R., Providence, R. I., assignor, by mesne assignments, to Manville Jenckes Corporation. Winding machine. 1,963,523; June 19.
- Urquhart, Kenneth M., Norfolk, Va. Condenser. 1,952,520; Mar. 27.
- Urschel, Bertis H., Bowling Green, Ohio. Tubular axle. 1,982,890; Dec. 4.
- Urschel, Bertis H., Bowling Green, assignor to Urschel Engineering Company, Toledo, Ohio. Shaping metal tubes. 1,983,584; Dec. 11.
- Urschel Engineering Company. (See Storer, George B., assignor.)
- Urschel Engineering Company. (See Urschel, Bertis H., assignor.)
- Urschel, William E., Valparaiso, Ind. Mechanical movement. 1,942,011; Jan. 2.
- Urschel, William E., Valparaiso, Ind. Bean harvester. 1,948,975; Feb. 27.
- Urschel, William E., Valparaiso, Ind. Beet harvester. 1,964,896; July 3.
- Urschel, William E., Valparaiso, Ind. Harvesting. 1,977,784; Oct. 23.
- Usadel, Mary M., Merrill, Wis. Tire changing device. 1,981,763; Nov. 20.
- Usbeck, Christian, Steinbach-Hallenberg, Germany. Box opener with rotary drive. 1,974,760; Sept. 25.
- Usher, David T., deceased, and G. B. Usher, Charlottesville, Va.; said G. B. Usher, administratrix, assignor to G. B. Usher, Containter. 1,962,043; June 5.
- Usher, Edward E., North Plainfield, N. J. Blinder. 1,944,620; Jan. 23.
- Usher, Geraldine B. (See Usher, David T. and G. B.)
- Usines de Melle. (See Guinot, Henri M., assignor.)
- Usines de Melle. (See Ricard, E. and Boinot, assignors.)
- Usrey, Frank S. (See Werhan, William H. and L. L., and Usrey.)
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Quartz crystal mounting. 1,969,339; Aug. 7.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulation. 1,983,715; Dec. 11.
- Utah Radio Products Co. (See Barrett, Edward L., assignor.)
- Utah Radio Products Company. (See Bertschi, Jacob, assignor.)
- Uthus, Charles L., Milwaukee, Wis. Rumble seat top. 1,962,753; June 12.
- Utica Radiator Corporation. (See Bair, Edward J., assignor.)
- Utizer, Ralph, Delavan, Wis. Wire clamp. 1,968,060; July 31.
- Utilities Research Commission, Inc. (See Lurie, Harold H., assignor.)
- Utilities Research Commission, Inc. (See Maxwell, Harold L., assignor.)
- Utilities Research Commission, Inc. (See Peffer, Harry C., assignor.)
- Utilities Service Company. (See Miller, Herbert E., assignor.)
- Uthli-Tong, Inc. (See Ackerson, Alfred H., assignor.)
- Utrecht, Frederick W., Washington, D. C. Dual plug socket. 1,965,784; July 10.
- Utto, Matt R. (See Hill, Nikolai.)
- Utzman, Clarence W., Wilmette, Ill. Wall construction. 1,967,846; July 24.
- Uvalde Rock Asphalt Company. (See Alvey, Aloysius B. and G. H., and Young, assignors.)
- Uvalde Rock Asphalt Company. (See Alvey, Glenn H., assignor.)
- Uyterhoeven, Willem, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 1,961,719; June 5.
- Uyterhoeven, Willem, and C. Verburg, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 1,984,502; Dec. 18.
- Uyterhoeven, Willem, and M. van Dam, Eindhoven, Netherlands, assignors to General Electric Company. Circuit. 1,984,503; Dec. 18.
- Uzzo, Ignatius E. (See Pritchett, Leo R., assignor.)
- V-B Clip Watch Corporation. (See Boucher, Marcel, assignor.)
- V. d. Horst, Horst-Dietrich. (See Flemming, W., and v. d. Horst.)
- V. D. Limited. (See Dahl, Oscar, assignor.)
- V. Knilling, Walter. (See Meiser, W., and v. Knilling.)
- V. Pongratz, Emmerich, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Filtration of acid sludge. 1,960,348; May 29.
- V. Sommerfeld and Falkenhayn, Robert. (See Naoum, P., and v. Sommerfeld and Falkenhayn.)
- V. Traitteur, Friedrich O., Frankenthal Pfalz, Germany. Die-stamping press. 1,961,310; June 5.
- Vaccaro, Thomas, Los Angeles, Calif. Pocket construction. 1,970,110; Aug. 14.
- Vacek, Josef, Praha, Czechoslovakia. Hair waving device. 1,967,339; July 24.
- Vacher, Henry E. J. (See Buelna, G., and Vacher.)
- Vacher, Nicolas, Moingt, France. Lock for nuts and bolts. 1,945,005; Jan. 30.
- Vachoux, William, Geneva, Switzerland. Liquid dispensing apparatus. 1,943,194; Jan. 9.
- Vachoux, William, Geneva, Switzerland. Tooth cleaning appliance. 1,976,271; Oct. 9.
- Vachris, John B., and Benjamin Proctor, 3d, assignors to Bludworth, Inc., New York, N. Y. Electromagnetic device. 1,978,729; Oct. 30.
- Vacuum Bolting Cloth Cleaner Corporation. (See Rice, Harry B., assignor.)
- Vacuum Cup Metal Pulley Company. (See Marion, A. G., and Wulf, assignors.)
- Vacuum Oil Company. (See Fuller, E. W., and Story, assignors.)
- Vacuum Oil Company. (See Ostrander, Arthur J., assignor.)
- Vacuum Seal Company. (See Barnard, Randolph H., assignor.)
- Vacuum Seal Company. (See Sawtelle, Edmund M., assignor.)
- Vaders, Eugen, Eberswalde, Germany. Copper alloy for chill and die casting. 1,954,003; Apr. 10.
- Vaght, Joseph, Bethel, Conn. Folding table and seat. 1,952,737; Mar. 27.
- Vahle, Edgar W. (See Hughes, R. D., and Vahle.)
- Vahle, Edgar W. (See Roth, J. T., and Vahle.)
- Vahlteich, Hans W., assignor to The Best Foods, Inc., New York, N. Y. Preparation of butter substitutes. 1,975,672; Oct. 2.
- Vail, Edgar L., assignor to Jaeger Watch Co. Inc., New York, N. Y. Combined mirror and clock. Des. 92,937; July 31.
- Vail, Edgar L., New York, N. Y. Combined rear vision and clock. 1,985,873; Dec. 25.
- Vail, Elizabeth W., et al., co-trustees. (See Barth, Joseph L., assignor.)
- Vail, Elmer A. (See Rock, J. N., and Vail.)
- Vail, George I. (See Barth, Joseph L.)
- Vail, George S. (See Ayers, A. R., and Vail.)
- Vail, Henry H., Camden, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch mechanism. 1,941,588; Jan. 2.
- Vail, Samuel C., Evanston, and A. B. Cunningham, Chicago, Ill. Electrolyte level indicator. 1,954,435; Apr. 10.
- Vail, Walter H., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of catalysts. 1,959,313; May 15.
- Vail, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic esters. 1,979,717; Nov. 6.
- Vaill, Charles P. (See McNamee, O. A., and Vaill.)
- Valentine, Bertram G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Locomotive. 1,971,998; Aug. 28.
- Valentine, Charles W., P. N. Ottersland, and G. A. Fairbanks, assignors to The Bagley and Sewall Company, Watertown, N. Y. Pulley. 1,944,284; Jan. 23.
- Valentine, Charles W., and A. F. Helin, assignors to The Bagley and Sewall Company, Watertown, N. Y. Uniform speed reel. 1,951,715; Mar. 20.
- Valentine, Charles W., Watertown, and N. Rigabar, Carthage, assignors to The Bagley and Sewall Company, Watertown, N. Y. Paper making machine. 1,962,627; June 12.
- Valentine, Louis L. (See Wilson, Edwin W., assignor.)
- Valentine, Warren P., Line Lexington, assignor to National Transit Pump & Machine Company, Oil City, Pa. Hand pump for greases, etc. 1,942,367; Jan. 2.
- Valik, Irene. (See Valik, Ludwig, and I.)
- Valik, Ludwig and I. Valik, Charleston, W. Va. Purification of aromatic alcohols. 1,944,958; Jan. 30.
- Valik, Ludwig, and I. Valik, New York, N. Y. Manufacture of aromatic alcohols. 1,944,959; Jan. 30.
- Valiquet, Octave P., and J. F. Chandler, Dolton, Ill. Leak-proof holding member for roofing. 1,978,237; Oct. 23.
- Valquette, William L., Dayton, Ohio. Cutting machine. 1,976,972; Oct. 16.

- Valiquette, William L., assignor to Harris-Seybold-Potter Company, Dayton, Ohio. Paper cutter. 1,942,521; Jan. 9.
- Valiquette, William L., assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Paper cutter and cutting paper. 1,949,091; Feb. 27.
- Valiquette, William L., assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Paper cutting machine. 1,964,545; June 26.
- Valkenburg, Simon, Scherpenzeel, Netherlands. Cartridge belt. 1,968,725; July 31.
- Vallen, Earl J., Akron, Ohio. Automatic iris for moving picture screens, theatrical displays, or the like. 1,954,656; Apr. 10.
- Vallen, Earl J., Akron, Ohio. Apparatus for moving objects. 1,957,509; May 8.
- Vallero, Domonick F., Denver, Colo. Boiler. 1,974,001; Sept. 18.
- Valley Manufacturing Corporation. (See De Fraites, Arthur A., assignor.)
- Valley Shoe Corporation. (See Weinstat, Samuel, assignor.)
- Vallier, Elijah G., Wauwatosa, assignor to Western States Envelope Company, Milwaukee, Wis. Envelope. 1,947,815; Feb. 20.
- Vallier, Elijah G., Wauwatosa, assignor to Western States Envelope Company, Milwaukee, Wis. Combination envelope. 1,958,979; May 15.
- Vallone, Charles, assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Swing. 1,965,785; July 10.
- Vallone, Charles, assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Wrench set holder or unit. 1,967,458; July 24.
- Valls, Aurelio, London, England. Water heating and infusion apparatus. 1,981,402; Nov. 20.
- Valvoline Oil Company. (See Miller, C. A., and Karns, assignors.)
- Vana, Charles A., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Phosphoric acid purification by solvent extraction. 1,968,544; July 31.
- Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 1,961,264; June 5.
- Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coking retort oven. 1,961,265; June 5.
- Van Ackeren, Joseph, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company of Delaware. Coke-oven apparatus. 1,980,018; Nov. 6.
- Van Ackeren, Paul, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Safety device for producers and the like. 1,964,546; June 26.
- Vanak Corporation. (See Knee, Aaron A., assignor.)
- Van Aken, John C., Ridgway, Pa. Hat holding device. Des. 93,309; Sept. 11.
- Van Albada, Lieuwé E. W., Bloemendaal, Netherlands, assignor to the Firm Carl Zeiss, Jena, Germany. Range-finder for photographic purposes. 1,964,967; July 3.
- Van Albada, Lieuwé E. W., Amsterdam, Netherlands, assignor to the firm Carl Zeiss, Jena, Germany. Finder for photographic cameras. 1,975,302; Oct. 2.
- Van Allen, Frederic L., and A. T. King, Philadelphia, assignors to Galen Wood, Media, Pa. Road heating machine. 1,984,849; Dec. 18.
- Van Alstine, Bonnie E., San Francisco, Calif. Copy holder. 1,950,706; Mar. 13.
- Van Alstyne, Bonnie E., San Francisco, Calif. Copy holder. 1,969,916; Aug. 14.
- Van Alstyne, Bonnie E., San Francisco, Calif. Copyholder. 1,980,709; Nov. 13.
- Van Alstyne, Bonnie E., San Francisco, Calif. Copyholder. 1,984,711; Dec. 18.
- Van Alstyne, Howard M. (See Bell, W., and Van Alstyne.)
- Van Arsdale, John R., Minneapolis, Minn. Roasting device. 1,968,545; July 31.
- Van Arsdale, Malcolm G., Short Hills, N. J., and L. W. Griffis, Tonawanda, assignors to Van Raalte Company, New York, N. Y. Warp knitting machine. 1,972,609; Sept. 4.
- Van Atta, Roy B., Johnson County, Kans. Bag. 1,944,621; Jan. 23.
- Van Auken, Marwood D., New York, N. Y., assignor to Van-Au-Matic Rifle Target Co., Inc. Rifle target and frangible disk. 1,970,676; Aug. 21.
- Van Auk, Charles M., Detroit, Mich. Windshield wiper. 1,946,119; Feb. 6.
- Van-Au-Matic Rifle Target Co., Inc. (See Van Auken, Marwood D., assignor.)
- Van Bergen, Electa M., Syracuse, N. Y. Knitting needle and using the same. 1,966,690; July 17.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Method of and apparatus for wrapping foodstuffs. Re19,358; Oct. 30.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpener for slicing machines. 1,943,642; Jan. 16.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Stacker. 1,976,865; Oct. 16.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,977,461; Oct. 16.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Driving means for slicing machine knives. 1,941,519; Jan. 2.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Feeding mechanism for slicing machines. 1,945,127; Jan. 30.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,947,628; Feb. 20.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine knife sharpener. 1,948,811; Feb. 27.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,954,605; Apr. 10.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,954,606; Apr. 10.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Substance support for slicing machines. 1,960,420; May 29.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine mounting. 1,960,421; May 29.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Substance slicer. 1,960,422; May 29.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpening apparatus. 1,968,662; July 31.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpener for meat slicing machines. 1,968,663; July 31.
- Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpener for slicing machines. 1,968,664; July 31.
- Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice stacker for slicing machines. 1,976,862; Oct. 16.
- Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Stacker for slicing machines. 1,976,863; Oct. 16.
- Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine with friction driven stacker. 1,976,864; Oct. 16.
- Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Pneumatic fly for stackers. 1,976,866; Oct. 16.
- Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Clamp for slicing machines. 1,977,462; Oct. 16.
- Van Beusekom, Godefridus. (See Lely, D., and van Beusekom.)
- Van Braam van Vloten, Pieter, The Hague, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Light beacon for air-traffic and for navigation purposes. 1,961,116; May 29.
- Van Brunt, Grace W., and L. W. Dunlap, Kansas City, Mo. Child's garment. Des. 93,587; Oct. 9.
- Vanbrunt, Harry D., Los Angeles, Calif. Brake. 1,984,348; Dec. 11.
- Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Driving mechanism for stokers. 1,975,489; Oct. 2.
- Van Brunt Manufacturing Company, The. (See Erdman, Theodore J., assignor.)
- Van Brunt Manufacturing Company, The. (See Schaeffer, John, assignor.)
- Van Buren, John, Brooklyn, N. Y. Sheet-feeding mechanism. 1,950,642; Mar. 13.
- Van Buren, John, Brooklyn, N. Y. Wrapping machine. 1,972,252; Sept. 4.
- Van Buren, John, Brooklyn, N. Y. Wrapping machine. 1,984,850; Dec. 18.
- Van Buskirk, Leshner W., Easton, Pa. Dipper construction and the like. 1,959,847; May 22.
- Van Cantfort, Arthur V., Detroit, Mich., assignor to New Method Seal Stamps, Incorporated. Stamping element. 1,965,814; July 10.
- Vance, Arthur W. (See Batchelor, J. C., and Vance.)
- Vance, George E., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Bushing openings. 1,944,380; Jan. 23.
- Vance, Walter N., J. B. O'Connor, and J. B. Adler, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Lock. 1,966,272; July 10.
- Vancil, Edgar D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine tool. 1,975,912; Oct. 9.
- Vancil, Edgar D., Cincinnati, and H. J. Dods, Montgomery, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,985,434; Dec. 25.
- Van Cleave, Ira H., et al. (See Zander, Milton W., assignor.)
- Van Cleef Bros. (See Van Cleef, Noah, assignor.)
- Van Cleef Brothers. (See Van Cleef, Paul, assignor.)

- Van Cleef, Noah, assignor to Van Cleef Bros., Chicago, Ill. Display stand. Des. 91,693; Mar. 6.
- Van Cleef, Paul, assignor to Van Cleef Brothers, Chicago, Ill. Cutting apparatus. 1,985,356; Dec. 25.
- Van Daam, Gerrit, Buffalo, N. Y. Electric heater. Des. 93,803; Nov. 6.
- Van Daam, Gerritt, Buffalo, N. Y. Air moistening and heating. 1,959,558; May 22.
- Van Dam, Henry. (See Shugart, E. W., and Van Dam.)
- Van Dam, Henry, Kalamazoo, Mich. Switch mechanism for pumps. 1,983,825; Dec. 11.
- Van Dam, Martinus. (See Uytendhoeven, W., and van Dam.)
- Vandecaveye, Silvere C., assignor to State College of Washington, Pullman, Wash. Manufacture of unfermentable fruit juices. 1,947,237; Feb. 13.
- Van Deerlin, Reginald W., New York, N. Y., and M. Urban, Union City, N. J., assignors to The Texas Company, New York, N. Y. Spout for containers. 1,959,295; May 15.
- Van Deest, Henry, assignor to Henney Motor Company, Freeport, Ill. Slidable seat. 1,961,653; June 5.
- Vandegrift, James N., and C. Postel, assignors to International Bitumen Oil Corporation, New York, N. Y. Apparatus for distilling carbonaceous material. 1,976,816; Oct. 16.
- Van Degrift, Thomas C., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engines. 1,950,887; Mar. 13.
- Vandegrift, William B., assignor to G. F. Wolfe, Minneapolis, Minn. Game table. Des. 92,633; June 26.
- Van den Bel, Jacobus G., Overveen, Netherlands. Clamping member for clamping the one end of a cord, which is fixedly fastened to the clamping member with the other end. 1,979,508; Nov. 6.
- Van den Bergh, Samuel J., The Hague, assignor to N. V. Nederlandsche Instrumenten Compagnie "Nednisco", Venlo, Netherlands. Device for fire control apparatus. 1,951,852; Mar. 20.
- Van den Eynde, Maurice A. V., Brussels, Belgium. Step-motor. 1,967,044; July 17.
- Vanderbilt, Byron M. (See Hass, H. B., Hodge, and Vanderbilt.)
- Vanderbilt, R. T., Company. (See Alton, William H., assignor.)
- Vanderbilt, R. T., Co. (See Champion, Charles H., assignor.)
- Vanderbilt, R. T., Company. (See Murrill, Paul I., assignor.)
- Vanderbilt, R. T., Company. (See Sproat, Ira E., assignor.)
- Vanderbosch, Edward F., Mishawaka, Ind. Propulsion device for vehicles. 1,978,066; Oct. 23.
- Vandercook, David D. (See Vandercook, Robert O., E. O., F. R., and D. D.)
- Vandercook, Edward O. (See Vandercook, Robert O., E. O., F. R., and D. D.)
- Vandercook, Frederick R. (See Vandercook, Robert O., E. O., F. R., and D. D.)
- Vandercook, Robert O., E. O., D. D., and F. R., Evanston, assignors to Vandercook & Sons, Chicago, Ill. Proof press. 1,964,488; June 26.
- Vandercook, Robert O., E. O., F. R., and D. D., Chicago, Ill. Proof press. 1,985,701; Dec. 25.
- Vandercook & Sons. (See Vandercook, Robert O., E. O., D. D., and F. R., assignors.)
- Van der Does, Jean, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,120; Apr. 24.
- Vander Elst, Jean, Blanden-Louvain, and J. F. Backx, Louvain, Belgium. Rotary valve for internal combustion engines. 1,977,025; Oct. 16.
- Van Der Heuvel, Hine. (See Ketel, H., Harris, and Van Der Heuvel.)
- Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of sheets or films of cellulose material. 1,975,132; Oct. 2.
- Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Treating cut film. 1,976,311; Oct. 9.
- Vanderhoff, Russell E. (See Weber, M. J., and Vanderhoff.)
- Vanderhoof, Lawrence A., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal furniture. 1,953,686; May 15.
- Van Der Horst, Henry, Chicago, Ill. Plumbing fixture. 1,982,555; Nov. 27.
- Van Der Linden, Frederick N., Washington, D. C. Game implement. 1,974,224; Sept. 18.
- Vanderlip, Louis C. (See Graffis, Arthur M., assignor.)
- Vanderlip, Louis C., Elkhart, Ind. Adjustable reamer. 1,963,767; June 19.
- Van der Poel, Johannes M., Eindhoven, Netherlands, assignor to General Electric Company. Apparatus for separating a single cylindrical article from a quantity of such articles. 1,958,254; May 8.
- Van der Pol, Balthasar, K. Posthumus, and B. D. H. Tellegen, Eindhoven, Netherlands, assignors to Radio Corporation of America. Thermionic amplifier. 1,946,047; Feb. 6.
- Van der Pol, Balthasar, and T. J. Weyers, Eindhoven, Netherlands, assignors to Radio Corporation of America. Superheterodyne receiver. 1,961,720; June 5.
- Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Antislipping tread and making the same. 1,949,517; Mar. 6.
- Van Derveer, Clarence A. (See Kaiser, K., and Van Derveer.)
- Van Derveer, Clarence A., and E. Beck, Michigan City, Ind., assignors to S. Karpen & Bros., Chicago, Ill. Adjustable-back chair, etc. 1,967,000; July 17.
- Vanderveer, Jewell W., Syracuse, N. Y. Forming brake drums. 1,970,027; Aug. 14.
- Vanderveer, Jewell W., Syracuse, N. Y., assignor to Erie Malleable Iron Company, Erie, Pa. Wheel. 1,980,710; Nov. 13.
- Van Derveer, Theodore W., Kenmore, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Screening apparatus. 1,965,816; July 10.
- Vandervoort, Francis M., assignor to The White Motor Company, Cleveland, Ohio. Gear shifting mechanism. 1,980,644; Nov. 13.
- Van der Waals, Hendrik G., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Process and apparatus for spinning artificial silk on bobbins. 1,976,272; Oct. 9.
- Van der Werf, Jan, Emmastad, Curacao, Dutch West Indies, assignor to Universal Oil Products Company, Chicago, Ill. Wall-wash flange. 1,957,742; May 8.
- Van der Woude, Fritz, assignor to The General Industries Company, Elyria, Ohio. Electric motor mechanism. 1,979,357; Nov. 6.
- Van der Woude, Fritz, assignor to The General Industries Company, Elyria, Ohio. Tandem motor mechanism. 1,979,425; Nov. 6.
- Van der Woude, Fritz, assignor to The General Industries Company, Elyria, Ohio. Speed control mechanism. 1,984,442; Dec. 18.
- Van Deurs, Jan A. S. (See Schröder, E., and van Deurs.)
- Van de Vate, Raymond L. (See Scandling, F. D., and Van de Vate.)
- Vanderveer, Perry O., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Burning oil insoluble sludge. 1,976,528; Oct. 9.
- Van Deventer, Harry R., New York, N. Y., assignor to Frigidaire Corporation, Dayton, Ohio. Motor-compressor unit. 1,964,415; June 26.
- Van Deventer, Harry R., New York, N. Y., assignor to Patent Engineering Corporation. Sound reproducing device. 1,985,390; Dec. 25.
- Van Deventer, Harry R., New York, and S. C. McKeown, Mount Vernon, N. Y., assignors, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Electric motor unit. 1,960,324; May 29.
- Van Deventer, Harry R., and J. A. Warren, New York, N. Y., assignors to Patent Engineering Corporation. Combination clock and radioreceiver. 1,978,920; Oct. 30.
- Van Deventer, Harry R., New York, and S. C. McKeown, Mount Vernon, N. Y., assignors to Patent Engineering Corporation. Sound reproducing device. 1,985,389; Dec. 25.
- Vandewater, Frank, Cincinnati, Ohio. Shoe. 1,956,703; May 1.
- Van Dijk, Willem J. D., assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Apparatus for carrying out distillations under low pressure. 1,950,830; Mar. 13.
- Vandoren, Bernard J., and J. G. King, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,951,223; Mar. 13.
- Van Doren, Chester J., assignor to J. D. Van Doren, River Forest, Ill. Sprinkling device. 1,964,097; June 26.
- Van Doren, Harold L., Toledo, assignor to The Champion Hardware Company, Geneva, Ohio. Hinge for screen doors and the like. Des. 93,856; Nov. 13.
- Van Doren, Harold L., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,964,489; June 26.
- Van Doren, Harold L., and J. G. Rideout, Toledo, Ohio. Scale. Des. 93,953; Nov. 27.
- Van Doren, Harold L., and J. G. Rideout, assignors to The American National Company, Toledo, Ohio. Sled. Des. 91,796; Mar. 20.
- Van Doren, Harold L., Toledo, and J. G. Rideout, Perrysburg, assignors to The American National Company, Toledo, Ohio. Velocipede. Des. 94,102; Dec. 18.
- Van Doren, James D. (See Van Doren, Chester J., assignor.)
- Van Dorn, Herbert E., Chicago, Ill., assignor to William E. Van Dorn, Pasadena, Calif. Friction draft gear. 1,946,650; Feb. 13.
- Van Dorn, Horace B., Maplewood, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Eraser tip for pencils. Des. 91,575; Feb. 20.
- Van Dorn, William E. (See Van Dorn, Herbert E., assignor.)
- Van Dresser Specialty Corporation. (See Van Dresser, William C., assignor.)
- Van Dresser, William C., assignor to Van Dresser Specialty Corporation, Detroit, Mich. Trimming. 1,972,412; Sept. 4.
- Van Dunker, Helen L., San Antonio, Tex. Lip shield. 1,943,751; Jan. 16.
- Van Dusen, Frederick C., assignor to The Atlantic Refining Company, Philadelphia, Pa. Service station. Des. 91,913; Apr. 3.
- Van Dusen, George, assignor to Gaylord Brothers, Syracuse, N. Y. Library card printing machine. 1,963,812; June 19.

- Van Duyn, Adrianus, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Clamp for slicing machines. 1,960,423; May 29.
- Van Duyn, Adrianus, Hillegersberg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Feeding mechanism for slicing machines. 1,977,463; Oct. 16.
- Vandy, Edgar J. (See Wilkins, W., and Vandy.)
- Vandy, George E. (See Wilkins, W., and Vandy, assignors.)
- Van Dyck, Arthur F., Yonkers, N. Y., assignor to Radio Corporation of America. Audio frequency distribution system. 1,968,546; July 31.
- Van Dyke, John, Kalamazoo, Mich. Valve rod guide for flush tanks. 1,949,092; Feb. 27.
- Van Emden, Aaron L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disconnect type fuse box. 1,957,480; May 8.
- Van Every, S. A. (See Knece, A. A., and Eaton, assignors.)
- Van Fleet, Mont V., Los Angeles, Calif. Sanitary dispensing olla. 1,960,604; May 29.
- Van Gastel, Albertus, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric line protective system. 1,985,197; Dec. 18.
- Van Geel, Willem C., and H. Emmens, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electrode system. 1,955,397; Apr. 17.
- Van Geel, Willem C., and W. F. Straub, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electrolytic condenser. 1,956,365; Apr. 24.
- Van Geel, Willem C., J. H. de Boer, and H. Emmens, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Dry rectifier. 1,985,118; Dec. 18.
- Van Gelder, Martinus, Philadelphia, Pa. Wing collar. Des. 92,784; July 10.
- Van Gessel, Karel M. (See de Boer, J. H., Jonker, and Van Gessel.)
- Van Gessel, Karel M. (See Jonker, J. L. H., and Van Gessel.)
- Van Gessel, Karel M. (See Unk, J. M., Van Gessel, and Oosterhuis.)
- Van Gessel, Karel M., and J. H. de Boer, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electric discharge tube. 1,949,849; Mar. 6.
- Van Gessel, Karel M., and W. D. van Wijk, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electric discharge tube. 1,954,189; Apr. 10.
- Van Gogh, Willem D. (See Posthumus, K., and van Gogh.)
- Van Guelpen, Herman A., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Truck. 1,979,236; Oct. 30.
- Van Guilder, Walter, Stratford, Conn., assignor to General Electric Company. Standard for a food mixing device. Des. 92,049; Apr. 17.
- Van Halteren, Andrew S., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Wheel hub assembly. 1,945,793; Feb. 6.
- Van Halteren, Andrew S., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Forming composite brake drums. 1,968,976; Aug. 7.
- Van Hasselt, Charles H., Mangar, Billiton, Dutch East Indies, assignor to N. V. Gemeenschappelijke Mijnbouwmaatschappij Billiton, The Hague, Netherlands. 1,978,238; Oct. 23.
- Van Hees, Cysbert, Buffalo, N. Y. Whistle instrument. 1,954,688; Apr. 10.
- Van Hille, Pierre, assignor to the firm of Ateliers Saint-Eloi, Tourcoing, Nord, France. Driving mechanism for revolving needle bars of combing and gilling machines. 1,979,509; Nov. 6.
- Van Holst, Johan F. (See Otto, A. H. J., and van Holst.)
- Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Meat cutting machine. 1,979,587; Nov. 6.
- Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Meat cutting machine. 1,980,304; Nov. 13.
- Van Horn, Harry L., Oneida, N. Y., and G. A. Weber, Louisville, Ky. Milk or other bottle emptying machine. 1,963,217; June 19.
- Vanhorn, James J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 1,970,111; Aug. 14.
- Van Horn, Junius B. (See Mendenhall, E., and Van Horn.)
- Van Horn, Lee. (See Forrest, H. O., and Van Horn.)
- Van Horn, Lee. (See Forrest, H. O., Van Horn, Keith, and Crawford.)
- Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Automatic dough divider. 1,965,516; July 3.
- Van Hove, Desire H., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,977,026; Oct. 16.
- Van Huffel, Isadore J., Warren, Ohio. Electrical welding apparatus. 1,978,614; Oct. 30.
- Van Inwagen, Charles L., jr., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire splicing machine. 1,982,844; Dec. 4.
- Van Inwagen, Charles L., jr., Rutherford, N. J., and O. A. Mesch, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire splicing machine. 1,978,164; Oct. 23.
- Vaniten, John P., assignor to Hoberg Paper & Fibre Company, Green Bay, Wis. Rewinding apparatus. 1,960,605; May 29.
- Vanity Fair Silk Mills. (See Burns, Charles R., assignor.)
- Vanity Fair Silk Mills. (See Mueller, Herman H., assignor.)
- Vanity Fair Silk Mills. (See Snader, Howard B., assignor.)
- Van Kannel Revolving Door Company. (See Blanchard, Robert L., assignor.)
- Van Kannel Revolving Door Company. (See Tatman, James M., assignor.)
- Van Kesteren, William, Southgate, Calif. Lawn edger. 1,970,827; Aug. 21.
- Van Kleek, Judson J., Beaverton, Oreg. Animal exerciser. 1,956,937; May 1.
- Van Kuyk, Gerrit J. H., The Hague, Netherlands. Cylindrical drying apparatus. 1,967,793; July 24.
- Van Lammeren, Willem P., Voorschoten, Netherlands. Rotary internal combustion engine. 1,949,225; Feb. 27.
- Van Lantschoot, August, assignor to Iowa Malleable Iron Company, Fairfield, Iowa. Expanding earth anchor. 1,959,012; May 15.
- Van Lantschoot, August A., Fairfield, Iowa. Earth anchor. 1,976,529; Oct. 9.
- Van Lantschoot, August A., assignor to Iowa Malleable Iron Company, Fairfield, Iowa. Casting method. 1,961,721; June 5.
- Van Liempt, Johannes A. M., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Flash light lamp. 1,944,854; Jan. 23.
- Van Loenen, William F. (See Garrison, M. E., and Van Loenen.)
- Van Loenen, William F., Buena Park, assignor to L. Blake Smith, San Francisco, Calif. Treating emulsions. 1,944,479; Jan. 23.
- Van Loenen, William F., Buena Park, assignor to L. Blake-Smith, San Francisco, Calif. Treating emulsions. 1,944,480; Jan. 23.
- Van Loenen, William F., Buena Park, assignor to L. Blake-Smith, San Francisco, Calif. Apparatus for treating liquids with solids. 1,967,601; July 24.
- Van Loenen, William F., Buena Park, assignor to L. Blake-Smith, San Francisco, Calif. Rotary apparatus for resolving emulsions. 1,974,698; Sept. 25.
- Van Loenen, William F., Buena Park, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having gas pocket. 1,978,704; Oct. 30.
- Van Look, Louis A. (See Gebhard, L. A., and Van Look.)
- Van Lyf, Antonius, H. V., Eindhoven, Netherlands, assignor to Radio Corporation of America. Radio dial illumination. 1,968,234; July 31.
- Van Mater, Laurence F., Lockport, N. Y. Pickling metal. 1,978,151; Oct. 23.
- Van Melsen, Johannes A. (See Huijser, H. W., and Van Melsen.)
- Van Mierlo, Stanislas, et al. (See Deakin, G., Schreiber, van Mierlo, de Fremery, Pulles, and Willemse.)
- Van Ness, Frank H., Bronxville, N. Y., assignor to American Vault Company. Burial vault. 1,959,773; May 22.
- Van Ness, Willard L., Toledo, Ohio, assignor to Corning Glass Works, Corning, N. Y. Glass working apparatus. 1,943,195; Jan. 9.
- Vanni, Pier G., Milan, Italy. Piston. 1,942,887; Jan. 9.
- Vanni, Pier G., Milan, Italy. Internal combustion engine. 1,972,805; Sept. 4.
- Van Norden, Peter J. (See McPherson, W. R., and Van Norden.)
- Van Norman Machine Tool Company. (See Arp, Ewald A., assignor.)
- Van Norman Machine Tool Company. (See Stowell, Byron F., assignor.)
- Van Nostrand, Arleigh N., Manhasset, assignor to Telautograph Corporation, New York, N. Y. Telautographic report-recording and timing apparatus. 1,964,393; June 26.
- Van Noy, Raymond C., assignor of forty-nine per cent to M. H. Silverforb, Kansas City, Mo. Supply control for greasing racks. 1,952,022; Mar. 20.
- Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating the constituents of gaseous mixtures. Re19,267; Aug. 7.
- Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating the constituents of gaseous mixtures. 1,958,553; May 15.
- Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for separating the constituents of gaseous mixtures. 1,958,554; May 15.
- Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and apparatus for separating the constituents of gaseous mixtures. 1,959,883; May 22.
- Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for separating the constituents of gaseous mixtures. 1,959,884; May 22.
- Van Osdol, Nathan K., assignor to Borg-Warner Corporation, Chicago, Ill. Making composite metal members. 1,963,946; June 19.
- Van Patten, Bertha, Omaha, Nebr. Pattern sizer. 1,961,115; May 29.

- Van Patter, Hugh S., and J. C. McKean, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Valve jacking device. 1,959,071; May 15.
- Van Pelt, Charles H. C. (See Ducker, Louis F., assignor.)
- Van Pelt, Elmer L., assignor to American Ball-Mill Company, Denver, Colo. Discharge for ball mills. 1,946,511; Feb. 13.
- Van Pelt, Elmer L., assignor to American Ball Mill Company, Denver, Colo. Grinding mill. 1,947,505; Feb. 20.
- Van Peski, Adrianus J., Amsterdam, Netherlands, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Absorbing olefines. 1,944,622; Jan. 23.
- Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Manufacture of organic compounds from organic compounds having one or more double bonds in the molecule. 1,948,891; Feb. 27.
- Van Peski, Adrianus J., Amsterdam, Netherlands, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Absorbing ethylene in strong acids. 1,979,018; Oct. 30.
- Van Peski, Adrianus J., Bussum, and W. C. B. Smithuysen, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Manufacture of alcohols. 1,954,506; Apr. 10.
- Van Peski, Adrianus J., and H. F. J. Lorang, Amsterdam, assignors to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Preparing dehydrogenation products of alcohols by catalytic dehydrogenation. 1,956,088; Apr. 24.
- Van Raalte Company. (See Carlson, Ellsworth E., assignor.)
- Van Raalte Company. (See Griffs, Lawrence W., assignor.)
- Van Raalte Company. (See Maclear, Lucile J., assignor.)
- Van Raalte Company. (See Scott, Herbert V. W., assignor.)
- Van Raalte Company. (See Van Arsdale, M. G., and Griffs, assignors.)
- Van Ranst, Cornelius W., Detroit, Mich. Transmission. 1,954,302; Apr. 10.
- Van Ranst, Cornelius W., Detroit, Mich. Motor vehicle. 1,984,291; Dec. 11.
- Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rotary blower impeller. 1,975,911; Oct. 9.
- Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Jacketed rotary blower casing. 1,977,953; Oct. 23.
- Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rotary blower blade. 1,983,201; Dec. 4.
- Van Ripper, Stanley V., New Rochelle, assignor to Cutler Mail Chute Co., Rochester, N. Y. Letter drop for mail chutes. 1,976,251; Oct. 9.
- Van Rosendaal, August, Los Angeles, Calif., assignor to Home Facilities, Inc. Folding rack. 1,982,972; Dec. 4.
- Vansant, Richard H., Chicago, Ill. Display device. 1,976,049; Oct. 9.
- Van Schaack Bros. Chemical Works, Inc. (See Holter William L., assignor.)
- Van Schaack Bros. Chemical Works, Inc. (See Schalch, Jacques, assignor.)
- Van Schaack Bros. Chemical Works, Inc. (See Van Schaack, Robert H., jr., assignor.)
- Van Schaack, Calvin P., assignor of one-half to H. D. Thornburg, Los Angeles, Calif. Percentage tally. 1,966,695; July 17.
- Van Schaack, Robert H., jr., assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Esters of secondary alcohols. 1,949,093; Feb. 27.
- Van Scherpenberg, August L., Tirlemont, Belgium. Making edible sugar syrup. 1,979,781; Nov. 6.
- Van Sciver, Josiah H., Philadelphia, assignor to Oil-Elec-Tric Engineering Corporation, Bethlehem, Pa. Silent mounting for oil burners. 1,973,187; Sept. 11.
- Vanselow, Waldemar. (See Sheppard, S. E., and Vanselow.)
- Van Seyle, Robert, L. L. Smith, and E. J. Barnes, assignors to Washington Missionary College, Takoma Park, Md. Stand for ironing boards and the like. 1,976,422; Oct. 9.
- Van Sickle, Roswell S. (See Leeds, W. M., and Van Sickle.)
- Van Slyke, Leland M., North Hollywood, Calif. Tie-wire tightening and twisting device. 1,970,924; Aug. 21.
- Van Splunter, John M., Grand Rapids, Mich. Expansion joint for bus bars. 1,967,340; July 24.
- Van Steenbergen, William A., assignor of one-half to H. G. Phair, Spokane, Wash. Duration circuit opening system. 1,955,210; Apr. 17.
- Van Steenis, Otto L., Eindhoven, Netherlands, assignor to Radio Corporation of America. Electron discharge tube. 1,980,936; Nov. 13.
- Van Swearingen, Hugh. (See Gonsalves, Virgil, assignor.)
- Van Urk, Arend T. (See Vermeulen, R., Van Urk, and Loman.)
- Van Urk, Arend T., Eindhoven, Netherlands, assignor to Radio Corporation of America. Electroacoustic device. 1,961,180; June 5.
- Van Valkenburg, Herman L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Time relay for power control. 1,952,299; Mar. 27.
- Van Valkenburg, Herman L., Wauwatosa, and W. H. Spencer, Milwaukee, Wis., assignors to Square D Company, Detroit, Mich. Fluid operated switch. 1,962,221; June 12.
- Van Valkenburg, Edgar H., Gloversville, N. Y. Leather surfacing machine. 1,983,585; Dec. 11.
- Van Vlaanderen Machine Company. (See Koch, William J., assignor.)
- Van Vlaanderen Machine Company. (See Lane, George W., assignor.)
- Van Vlaanderen Machine Company. (See Peterson, John E., assignor.)
- Van Voorhees, Brown. (See Steffen, E., Van Voorhees, and Parsons.)
- Van Voorhees, Brown, New York, N. Y., E. Steffen, Elizabeth, and L. W. Parsons, Westfield, N. J. Hydrogenation of hydrocarbons. 1,962,792; June 12.
- Van Voorhis, Frederic S., Saugerties, N. Y. Method and apparatus for cutting and folding paper. 1,961,266; June 5.
- Van Voorhis, George S., Northampton, assignor to United Elastic Corporation, Easthampton, Mass. Elastic thread. 1,963,813; June 19.
- Van Voorst, Gerrit A., Steen, Minn. Milk receptacle. 1,943,776; Jan. 16.
- Van Voorhees, Harold E. (See Schaffert, A. H., and Van Voorhees.)
- Van Vulpen, John. (See Russell, E. A., and Van Vulpen.)
- Van Waeren, Theodor, Hillegom, Netherlands. Package for flower bulbs. 1,959,510; May 22.
- Van Walshouser, Joseph. (See Sutton, J. L., and Van Walshouser.)
- Van Weerdhuizen, Abram. (See McGee, Leland T., and R. H.)
- Van Wijk, Wilhelmus D. (See Van Gessel, K. M., and van Wijk.)
- Van Winkle, Marshall, jr. (See Place, Charles E. S., and Van Winkle.)
- Van Winkle, Marshall, jr. (See Schneider, Otto, assignor.)
- Van Winkle, Raymond. (See Christiansen, W. G., and Van Winkle.)
- Van Wirt, Alfred E., Glens Falls, N. Y., assignor to Imperial Paper and Color Corporation. Producing a water-repellent coating on paper or similar material. 1,950,279; Mar. 6.
- Van Woert, Kenneth B., Santa Clara County, Calif. Beater. 1,981,531; Nov. 20.
- Van Woert, Kenneth B., jr., Santa Clara County, Calif. Dispensing the contents of collapsible tubes. 1,981,532; Nov. 20.
- Van Wormer, Bernard A., La Grande, Oreg. Sawing machine. 1,983,421; Dec. 4.
- Van Wormer, George, Hamilton, Ohio. Paper cleaning machine. 1,947,748; Feb. 20.
- Van Wormer, John R., assignor to The American Paper Bottle Company, Toledo, Ohio. Single service packaging. 1,977,502; Oct. 16.
- Van Wyck, John H., Middle Village, N. Y. Collapsible chair. 1,944,335; Jan. 23.
- Van Yahres, George, Westbury, N. Y. Soil treating cartridge. 1,971,390; Aug. 28.
- Van Zandt, John H., Dallas, Tex., assignor to C. A. Dunham Company, Marshalltown, Iowa. Heating system. 1,951,588; Mar. 20.
- Vapor Car Heating Company. (See Parks, P. B., and Smith, assignors.)
- Vapor Car Heating Company. (See Russell, E. A., and Miller, assignors.)
- Vapor Car Heating Company. (See Russell, E. A., Parks, and Smith, assignors.)
- Vapor Car Heating Company. (See Russell, E. A., and Van Vulpen, assignors.)
- Vapor Car Heating Company. (See Stenzel, Emil, assignor.)
- Vapor Treating Processes, Inc. (See Lachman, Arthur, assignor.)
- Vapor Treating Processes, Inc. (See Loomis, J. H., and McKinney, assignors.)
- Vara, Arthur G., Buffalo, N. Y. Adjustable garment support. 1,949,701; Mar. 6.
- Varaud, André, Geneva, Switzerland. Self-retarding mechanical percussion fuse for projectiles. 1,943,706; Jan. 16.
- Varaud, André, Geneva, Switzerland. Mechanical time fuse. 1,944,623; Jan. 23.
- Varaud, André, Geneva, Switzerland. Fuse mechanism for projectiles. 1,959,604; May 22.
- Varaud, André, Geneva, Switzerland. Fuse mechanism for projectiles. 1,970,205; Aug. 14.
- Varaud, André, Geneva, Switzerland. Fuse mechanism for projectiles. 1,970,207; Aug. 14.
- Varaud, André, Geneva, Switzerland. Apparatus for timing mechanical fuses of projectiles. 1,974,523; Sept. 25.
- Varaud, André, Geneva, Switzerland. Mechanical time fuse. 1,979,426; Nov. 6.
- Varaud, André, Geneva, Switzerland. Machine for timing time fuses for artillery projectiles. 1,980,892; Nov. 13.
- Varcoe, Richard J., Tregarden, St. Austell, England. Drying floor for china clay. 1,972,670; Sept. 4.
- Vardeman, Dr., Laboratories, Inc. (See Vardeman, Robert W., assignor.)

- Vardeman, Robert W., Independence, assignor to Dr. Vardeman Laboratories, Inc., Kansas City, Mo. Toothbrush. 1,963,389; June 19.
- Vargas, Sylvester, San Francisco, Calif. Dispensing device. 1,967,165; July 17.
- Vargo, Andrew, assignor to E. H. Liefeld, Bridgeport, Conn. Shirt ironing machine. 1,963,038; June 12.
- Variable Speed Gear Limited, The. (See Wallace, William, assignor.)
- Varian, Russell H. (See Gardner, B. C., and Varian.)
- Varian, Russell H., Houston, Tex., assignor to Standard Oil Development Company. Apparatus for geophysical exploration. 1,951,716; Mar. 20.
- Vari-Lux Corporation. (See Compare, Renato, assignor.)
- Varin, Jules E., Neuilly-sur-Seine, France. Auditorium. 1,948,892; Feb. 27.
- Varin, Jules E., Neuilly-sur-Seine, France. Auditorium. 1,958,324; May 8.
- Varley, Cromwell H., Acton, London, assignor to Varley Pumps and Engineering, Limited, London, England. Rotary pump. 1,974,225; Sept. 18.
- Varley Pumps and Engineering Limited. (See Varley, Cromwell H., assignor.)
- Varley, Thomas W. (See Nein, W. C., and Varley.)
- Varney, Manford D., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,969,632; Aug. 7.
- Varney, Theodore, New York, N. Y. Electrical reduction of metallic ores. 1,954,900; Apr. 17.
- Varney, William W. (See Leillah, Frank T. and R. K.)
- Varrelman, Albert G., Vineland, N. J. Target range. 1,981,293; Nov. 20.
- Varren, Alexander, Essen, Germany. Zero printing device for cash registers and calculating machines. 1,951,682; Mar. 20.
- Vars, Ethan W., Erie, Pa., assignor to General Electric Company. Welding. 1,956,406; Apr. 24.
- Vassar Swiss Underwear Company. (See Rutledge, George E., assignor.)
- Vassos, John, New Canaan, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 94,059; Dec. 11.
- Vaudet, Paul L., Saint-Sernin du Plain, and F. A. Guitant, Paris, France. Pump. 1,966,694; July 17.
- Vaughan, Andrew E., Jr., assignor to The Vaughan Knitting Company, Pottstown, Pa. Stocking and making the same. 1,975,735; Oct. 2.
- Vaughan, Arthur H., and R. C. Oyster, assignors to F. H. Sebring, Jr., Salem, Ohio. Glazing machine. 1,977,704; Oct. 23.
- Vaughan & Bushnell Mfg. Co. (See Vaughan, H. A., Olson, and Erickson, assignors.)
- Vaughan & Bushnell Mfg. Co. (See Vaughan, Sanford S., assignor.)
- Vaughan, Clyde M., Port Orchard, Wash. Egg nest. 1,952,521; Mar. 27.
- Vaughan Company. (See Ponton, Fortunat, assignor.)
- Vaughan, David L., Montgomery Township, Somerset County, N. J. Rail anchor. 1,955,263; Apr. 17.
- Vaughan, Ernest, Clent, near Stourbridge, England. Folding table and the like. 1,958,980; May 15.
- Vaughan, Francis E., Altadena, Calif. Optical system for indicating angular deflection. 1,977,027; Oct. 16.
- Vaughan, H. E. (See Martin, William A., assignor.)
- Vaughan, Henry P., assignor to Detroit Lubricator Company, Detroit, Mich. Control means. 1,933,502; Dec. 4.
- Vaughan, Henry P., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,984,327; Dec. 11.
- Vaughan, Howard A., G. Olson, and E. Erickson, assignors to Vaughan & Bushnell Mfg. Co., Chicago, Ill. Manufacture of single bladed forged ax heads. 1,948,548; Feb. 27.
- Vaughan, J. A., Manufacturing Company. (See Patterson, Joseph W., assignor.)
- Vaughan, John J., assignor to The T. Eaton Co. Limited, Toronto, Ontario, Canada. Protecting and parting strip for floor coverings. 1,959,991; May 22.
- Vaughan Knitting Company, The. (See Vaughan, Andrew E., Jr., assignor.)
- Vaughan, Sanford S., assignor to Vaughan & Bushnell Mfg. Co., Chicago, Ill. Manufacture of double-bladed forged ax heads. 1,948,549; Feb. 27.
- Vaughan, Victor G., Mifflin Township, Richland County, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric iron. 1,975,736; Oct. 2.
- Vaughan, William. (See Benoit, L., Kanabay, Brown, and Vaughan.)
- Vaughan, William, Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y. Making gels. 1,945,838; Feb. 6.
- Vaughan, William J., et al. (See Ames, George E., assignor.)
- Vaughn, Jesse A. (See Sjogren, O. W., and Vaughn.)
- Vaughn Machinery Company, The. (See McIlvried, Edwin J., assignor.)
- Vaughn Machinery Company, The. (See McIlvried, E. J., and Bittman, assignors.)
- Vaughn Machinery Company, The. (See Nye, Norman H., assignor.)
- Vaughn, Sidney P., U. S. Navy, Ackerman, Miss. Thermostatic valve. 1,977,656; Oct. 23.
- Vaughn, William H., Houston, Tex. Self-sharpening drill bit. 1,949,591; Mar. 6.
- Vaughn, William H., Augusta, assignor to Nu-Wa Service Company, Milledgeville, Ga. Envelope container. 1,979,917; Nov. 6.
- Vaverek, Vincent, and J. Heline, Pontiac, Mich. Device for facilitating the use of a can containing evaporated milk or the like. 1,948,997; Feb. 27.
- Vawter, Charles E., deceased, Philadelphia, Pa., Germantown Trust Company, executor. Ignition system. 1,955,519; Apr. 17.
- Vawter, Charles E., deceased, Philadelphia, Pa., Germantown Trust Company, executor. Electrical discharge device. 1,955,520; Apr. 17.
- Vawter, Charles E., deceased, Philadelphia, Pa., Germantown Trust Company, executor. Electrical indicating instrument. 1,957,510; May 8.
- Vawter, John T., Los Angeles, Calif. Cement gun nozzle. 1,941,726; Jan. 2.
- Vazquez, Eugenio A., Habana, Cuba. Organic product obtained from molasses and molasses residues. 1,976,590; Oct. 9.
- V-B Clip Watch Corporation. (See Boucher, Marcel, assignor.)
- Veatch, Henry L., Red River, N. Mex. Flotation machine. 1,958,325; May 8.
- Veazey, Richard E., New Orleans, La. Game board. Des. 92,785; July 10.
- Vedoe, Anton M., Wollaston, Mass. Fuel regulator. 1,945,387; Jan. 30.
- Vedoe, Anton M., Quincy, assignor to Vedoe-Peterson Co., Norfolk Downs, Mass. Reaming tool. 1,952,342; Mar. 27.
- Vedoe-Peterson Co. (See Vedoe, Anton M., assignor.)
- Vedovell, Rudolph J., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 1,956,366; Apr. 24.
- Veeder, Harold G., Schenectady, N. Y., assignor to William S. Veeder. Card table. 1,977,217; Oct. 16.
- Veeder-Root Incorporated. (See Slye, Edward A., assignor.)
- Veeder, William S. (See Veeder, Harold G., assignor.)
- Veenschoten, Vincent V., Erie, Pa. Controlling the flow of fluids. 1,949,437; Mar. 6.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,962,390; June 19.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,979,299; Nov. 6.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Temperature controlling means. 1,980,454; Nov. 13.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Valve for feed water regulators. 1,980,455; Nov. 13.
- Vega Manufacturing Corporation. (See Ruben, Samuel, assignor.)
- Vegessy, John H. (See Kakides, H., and Vegessy.)
- Vegren, Conrad R., assignor to Camel Company, Chicago, Ill. Door mechanism. 1,985,847; Dec. 25.
- Vehko, James, Detroit, Mich., assignor to The Murray Corporation of America. Butt welding machine. 1,973,159; Sept. 11.
- Veillette, Jeffrey J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener-attaching machine. 1,975,413; Oct. 2.
- Veilleux, Armand, St. Georges Beauce, Quebec, Canada. Microphone relay hearing apparatus. 1,961,835; June 5.
- Veit, Hermann. (See Young, K. G., and Veit.)
- Veit, Hermann, Constance, assignor to Aktiengesellschaft fur Feinmechanik vorm. Jetter & Scheerer, Tuttingen, Germany. Hair cutting and thinning shears. 1,962,264; June 12.
- Veit, Walter, East Orange, N. J., assignor to Congoleum-Nairn, Inc. Manufacturing linoleum. 1,975,883; Oct. 9.
- Veith, Ferdinand C., and H. C. Bowen, Upper Sandusky, Ohio. Adjustable wheel lug. 1,968,471; July 31.
- Vela, Nicanor J., Laredo, Tex. Cuff holder. 1,954,901; Apr. 17.
- Velazquez, Federico, Paris, France. Coin controlled vending and change making mechanism. 1,961,537; June 5.
- Veldhuyzen, Romyn, Eindhoven, The Netherlands, assignor to Radio Corporation of America. Amplifier arrangement. 1,945,006; Jan. 30.
- Veler, Clement D. (See Doisy, E. A., Thayer, and Veler.)
- Veling, Edward P., Beaver Dam, Wis. Terminal lug and lug-attaching tool. 1,955,695; Apr. 17.
- Velporr Corporation, The. (See Ford, David O., assignor.)
- Velisical Corporation. (See Hyman, Julius, assignor.)
- Velte, Henry P. (See Feller, Maximilian, assignor.)
- Velvet Power Brake Company. (See Brown, Jesse B., assignor.)
- Venable-Brown Company. (See Srofe, Jesse, assignor.)
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for measuring bulk materials. 1,982,127; Nov. 27.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Road rail. 1,983,924; Dec. 11.
- Venard, Harold J., Chicago, Ill. Emergency control device. 1,967,521; July 24.
- Vendel, Joseph J., Manhattan, Kans. Powder container. 1,954,719; Apr. 10.
- Vendi Cider, Inc. (See McCormick, J. H., and Bender, assignors.)
- Vending Machine Corporation of America. (See Nicholson, George E., assignor.)

- Vennerholm, Gosta. (See McCarroll, R. H., and Vennerholm.)
- Vennevitz, Stephen O., assignor to Sexton Manufacturing Company, Fairfield, Ill. Bias-cutting machine. 1,967,486; July 24.
- Ventilating Products Corporation. (See Devine, Thomas J., assignor.)
- Ventra, Carmelo, Syracuse, N. Y. Stand. Des. 93,257; Sept. 4.
- Ventress, Robert E., and J. C. Mulvill, Alton, Ill. Double action valve pump. 1,952,640; Mar. 27.
- Ventura, Joseph L., Park Ridge, Ill. Combination door cushion and door catch. 1,946,954; Feb. 13.
- Venus Brassiere Co. Inc. (See Graves, Rose M., assignor.)
- Venus Corporation. (See Fiero, Grace, assignor.)
- Venzie, Edmond F., assignor to E. M. Venzie, Philadelphia, Pa. Building construction. 1,980,645; Nov. 13.
- Venzie, Frederick M. (See Venzie, Edmond F., assignor.)
- Venzie, Frederick M., Philadelphia, Pa. Ceiling construction. Re19,391; Dec. 4.
- Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,953,203; Apr. 3.
- Venzie, Frederick M., Philadelphia, Pa. Cementitious conduit. 1,959,511; May 22.
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,969,244; Aug. 7.
- Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,971,999; Aug. 28.
- Venzie, Frederick M., Philadelphia, Pa. Machine for molding floor slabs. 1,982,891; Dec. 4.
- Venzie, Frederick M., Philadelphia, Pa. Plaster board or like building construction. 1,982,892; Dec. 4.
- Veran, Antoine, Avignon, Vaucluse, France. Horseshoe. 1,953,281; Apr. 3.
- Veraud, André, Geneva, Switzerland. Time fuse for projectiles. 1,984,098; Dec. 11.
- Verbeck, Karl, Manlius, N. Y. Tray for drinking glasses. 1,960,606; May 29.
- Ver Bryck, James L. (See Kirst, W. E., Lewis, and Ver Bryck.)
- Verborg, Cornelis. (See Uytterhoeven, W., and Verborg.)
- Vercruyssen, August, Chicago, Ill. Automatic draft and combustion control. 1,946,300; Feb. 6.
- Verd, Louis, Paris, France, assignor to the firm Martini Buchbindereimaschinenfabrik A.-G., Frauenfeld, Switzerland. Method and apparatus for separating bound books. 1,974,787; Sept. 25.
- Verderber, Joseph, assignor to Cleveland Universal Jig Company, Cleveland, Ohio. Driving-locking mechanism. 1,946,048; Feb. 6.
- Verderber, Joseph, assignor to Cleveland Universal Jig Company, Cleveland, Ohio. Indexing device. 1,956,883; May 1.
- Verderber, Joseph, assignor to Cleveland Universal Jig Company, Cleveland, Ohio. Wrench stand. 1,973,188; Sept. 11.
- Verderber, Joseph, Cleveland, and E. F. Bateman, East Cleveland, Ohio. Valve-production method. 1,949,592; Mar. 6.
- Verdich, Hans P., Aberdeen, S. Dak. Reflecting device. 1,983,108; Dec. 4.
- Vereinigte Chemische Fabriken Kreidl, "Heller & Co." (See Nozicka, Franz, assignor.)
- Vereinigte Eisenbahn-Signalwerke Gesellschaft mit beschränkter Haftung. (See Platte, Kurt, assignor.)
- Vereinigte Eisenbahn-Signalwerke, Gesellschaft mit beschränkter Haftung. (See Zawadzki, Richard, assignor.)
- Vereinigte Kugellagerfabriken A.-G. (See Raible, Julius, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Bordo, Joseph-Arnold, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Buchholtz, Herbert, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Kamp, Eugen, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Kosfeld, Wilhelm, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Köster, Werner, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Kühn, Paul, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Metzler, Martin, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Prielipp, Walter, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Schulz, Ernst H., assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft, The firm. (See Schulz, E. H., and Carlius, assignors.)
- Vereinigte Stahlwerke Aktiengesellschaft et al. (See Weber, Karl, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Zimmermann, Hans, assignor.)
- Verge, Reginald E., assignor of one-fourth to W. Winfield and one-fourth to M. Winfield, Pittsburgh, Pa. Closure for collapsible tubes. 1,976,867; Oct. 16.
- Verger, Georges and H., Paris, France, and J. Weil, Geneva, Switzerland, assignors to Jacques Kreisler & Co., New York, N. Y. Novelty case. 1,964,334; June 26.
- Verger, Henri. (See Verger, Georges and H., and Weil.)
- Verhagen, Christian M., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,949,193; Feb. 27.
- Verhalen, Walter, Dallas, Tex. Basket. 1,969,245; Aug. 7.
- Verhoven, Kramer E., assignor to The Consolidated Paper Company, Monroe, Mich. Delivery container. 1,975,240; Oct. 2.
- Verhoven, Kramer E., assignor to The Consolidated Paper Company, Monroe, Mich. Delivery container. 1,976,530; Oct. 9.
- Verity, Morley F., Brantwood, Ontario, assignor to Massey-Harris Company, Limited, Toronto, Canada. Heat-treating metal articles. 1,959,650; May 22.
- Verkaufsstelle des Internationalen Susstoff-Syndikats Gesellschaft mit beschränkter Haftung. (See Reiche, Karl F. A., assignor.)
- Vermeulen, Roelof, A. T. Van Urk, and C. Loman, Eindhoven, Netherlands, assignors to Radio Corporation of America. Loud speaker. 1,947,749; Feb. 20.
- Vermillion, Joel J., Nevada, Tex. Budding knife. 1,977,902; Oct. 23.
- Vermont, Cornelius, Ridgefield Park, N. J. Method and apparatus for use in connection with the setting of bridge pier caissons. 1,966,974; July 17.
- Vermont Spool & Bobbin Co. (Incorporated). (See Wilson, William H., assignor.)
- Vernam, Gilbert S., River Edge, N. J., and G. A. Locke, Glenwood, N. Y.; said Vernam assignor to American Telephone and Telegraph Company, and said Locke assignor to Bell Telephone Laboratories, Incorporated. Printing telegraph system. 1,961,407; June 5.
- Vernet, Sergius, Brooklyn, N. Y., assignor to Foster-Vernay Corporation, Pittsburgh, Pa. Automobile heater. 1,981,011; Nov. 20.
- Vernimb, August, Mount Vernon, N. Y. Automatic stripping machine for folding box work. 1,981,974; Nov. 27.
- Vernon, Murray, Greenwich, Conn. Loose leaf binder. 1,945,007; Jan. 30.
- Vernon Tool Company. (See Maney, John T., assignor.)
- Vernon, Walter G., Prospect Park, P. D. Parsons, Swarthmore, and J. E. Hires, Ardmore, assignors to Scott Paper Company, Chester, Pa. Paper winding machine. 1,976,641; Oct. 9.
- Véron, Diego, assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Bean flour and making same. 1,956,913; May 1.
- Verona Chemical Company. (See Glahn, W. H., and Ehrlich.)
- Verriere, Louis P. J. A., Mardore, par Pont-Trambouze, France. Loom for weaving without a shuttle. 1,944,830; Jan. 23.
- Verteramo, Domenico, et al. (See Hank, Luther V., assignor.)
- Vertrees, John J. (See Roberts, C., and Vertrees.)
- Verson, John A., Brea, assignor to Security Investment Company of Whittier, Whittier, Calif. Well reamer. Re19,339; Oct. 9.
- Vertucci, Vincent M., Jersey City, N. J., assignor to Electro Metallurgical Company. Protection device for gas detecting apparatus. 1,955,897; Apr. 24.
- Vessey, Ernest A., Finchley, London, England. Hydraulic infinitely variable speed transmission mechanism. 1,972,175; Sept. 4.
- Vessy, Sidney C., South Euclid, assignor to The W. W. Sly Mfg. Company, Cleveland, Ohio. Sand blast system. 1,948,873; Feb. 27.
- Vest, John P. W. (See Smith, R. H., and Vest.)
- Vestal, Merton I., assignor of one-half to A. A. Harrison, Fall River, Mass. Transmission device. 1,980,145; Nov. 6.
- Vestvold, Rolf F., Haverford, Pa. Apparatus for treatment with light rays. 1,951,569; Mar. 20.
- Vethe, Anders E. (See Knutsen, K. A., and Vethe.)
- Vetorino, Frank, Cincinnati, Ohio. Laundry machine. 1,979,237; Oct. 30.
- Vetrano, Leon J., Houston, Tex. Injector. 1,982,128; Nov. 27.
- Vetter, Johan M., The Hague, Netherlands. Automatic change speed gear mechanism. 1,984,556; Dec. 18.
- Vetter, Joseph J., Hackensack, assignor to Natural Products Refining Co., Jersey City, N. J. Forming chromium iron alloys. 1,975,338; Oct. 2.
- Vetter, William, Patchogue, N. Y. Plant support for greenhouse benches. 1,980,239; Nov. 13.
- Vial, Elizabeth A., New York, N. Y. Cooking utensil. 1,955,842; Apr. 24.
- Viale, Spirito M., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Camshaft driving mechanism for internal combustion engines. 1,971,885; Aug. 28.
- Viall, George K., assignor to Chain Belt Company, Milwaukee, Wis. Recording mechanism for truck mixers and the like. 1,983,887; Dec. 11.
- Vianini, Guido, Rome, Italy. Manufacture of pipes or hollow ware of fibrous cement mortar or the like. 1,954,902; Apr. 17.
- Viard, Georges, assignor to Lignes Telegraphiques et Telephoniques, Paris, France. Method of and apparatus for measuring transmission levels. 1,954,396; Apr. 10.
- Viard, Georges, assignor to Lignes Telegraphiques et Telephoniques, Paris, France. Telecommunication system. 1,984,099; Dec. 11.
- Vias, Matthias, San Francisco, Calif. Rotary motor. 1,953,378; Apr. 3.
- Viber Company. (See Gordon, Graham M., assignor.)
- Viberg, Ernest R., assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada. Pintle retainer for journal boxes. 1,957,087; May 1.

- Vibert, Ernest R., Montreal, Quebec, Canada. Articulated cover for journal boxes. 1,969,865; Aug. 14.
- Vibroscope, Inc. (See Davey, Peter, assignor.)
- Vicarey, Robert W. (See Appel, G. C., Vicarey, and Wanvig, jr.)
- Vicars, T. and T., Limited. (See Crosland, Edward M., assignor.)
- Vicars, T. & T. Limited. (See Naylor, Joseph F., assignor.)
- Vicente, Francisco, Habana, Cuba. Shoe. Des. 92,506; June 12.
- Viceroy Manufacturing Company. (See Clayton, Lewis J., assignor.)
- Vick, Charles L., and N. Adams, assignors of thirty-five per cent to E. V. Gurman, Jackson, Miss. Electric ignition and battery lock. 1,968,726; July 31.
- Vickerilla, John J., Paterson, N. J. Vehicle wheel hub cap. 1,980,646; Nov. 13.
- Vickers-Armstrongs Limited. (See Larsson, C. A., and Higson, assignors.)
- Vickers-Armstrongs Limited. (See Nasmith, John I., assignor.)
- Vickers-Armstrongs Limited. (See Nasmith, J. I., and Kirby, assignors.)
- Vickers-Armstrongs Limited. (See Palmer, A. J., and Higson, assignors.)
- Vickers-Armstrongs Limited. (See Taylor, William, assignor.)
- Vickers-Armstrongs Limited. (See Watson, John P., assignor.)
- Vickers (Aviation) Limited. (See Wallis, Barnes N., assignor.)
- Vickers, Harry F. (See Mowat, Duane, assignor.)
- Vickers, Harry F., Los Angeles, Calif. Rotary mechanism. 1,954,853; Apr. 17.
- Vickers, Harry F., Los Angeles, Calif. Rotary compressor. 1,963,428; June 19.
- Vickers, Harry F., Los Angeles, Calif. Automatic feed for machine tools and the like. 1,965,867; July 10.
- Vickers, Harry F., Los Angeles, Calif. Material handling apparatus. 1,965,868; July 10.
- Vickers, Harry F., Detroit, Mich. Combined rapid traverse and slow traverse hydraulic system. 1,982,711; Dec. 4.
- Vickery, Frederick W., London, England, assignor to Vickery Incorporated. Doctor for paper-making machinery. 1,945,761; Feb. 6.
- Vickery Incorporated. (See Vickery, Frederick W., assignor.)
- Victor Adding Machine Company. (See Garbell, Max, assignor.)
- Victor, Benjamin J., Oak Park, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,974,633; Sept. 25.
- Victor Casket Hardware Co. (See Burkard, John E., assignor.)
- Victor Casket Hardware Co. (See Jammé, Zia H., assignor.)
- Victor Chemical Works. (See Adler, Howard, assignor.)
- Victor Chemical Works. (See Adler, H., and Gottlieb, assignors.)
- Victor Chemical Works. (See Knox, William H., jr., assignor.)
- Victor Chemical Works. (See Kochs, Herbert W., assignor.)
- Victor Chemical Works. (See Lindberg, Nils C., assignor.)
- Victor Chemical Works. (See Weigel, Rothe, assignor.)
- Victor Chemical Works. (See Woodstock, Willard H., assignor.)
- Victor Chemical Works. (See Zinn, Robert E., assignor.)
- Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Display rack. 1,953,204; Apr. 3.
- Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,956,183; Apr. 24.
- Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,985,473; Dec. 25.
- Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,985,475; Dec. 25.
- Victor, John H., Evanston, M. L. Liston, Elmhurst, and C. Matusak, Cicero, assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Grease retainer. 1,985,474; Dec. 25.
- Victor, Julius, Detroit, Mich. Window scaffold. 1,947,629; Feb. 20.
- Victor Lubricator Company. (See House, Lloyd A., assignor.)
- Victor Manufacturing & Gasket Company. (See Owen, Frank J., assignor.)
- Victor Manufacturing & Gasket Company. (See Victor, Benjamin J., assignor.)
- Victor Manufacturing & Gasket Company. (See Victor, John H., assignor.)
- Victor Manufacturing & Gasket Company. (See Victor, J. H., Liston, and Matusak, assignors.)
- Victor Metal Products Corporation. (See Prussing, Walter, assignor.)
- Victor Ring Traveler Company. (See Jerome, Edwin R., assignor.)
- Victor Talking Machine Company. (See Atkins, Hubert C., assignor.)
- Victor Talking Machine Company. (See Bowman-Manifold, M., and Tedham, assignors.)
- Victor Talking Machine Company. (See Clark, George F., assignor.)
- Victor Talking Machine Company. (See Thompson, H. A., and George, assignors.)
- Victor Talking Machine Company. (See Whitaker, Alfred, assignor.)
- Victor Welding Equipment Co. (See Stettner, Ludwig W., assignor.)
- Vidal, Angel C., Brooklyn, N. Y. Safety lock box. 1,983,716; Dec. 11.
- Vidal, Jean L., Paris, France, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Reproducing films having a goffered base. 1,959,885; May 22.
- Vidale, Giuseppe, assignor to Società Italiana Pirelli, Milan, Italy. Vehicle tire. Des. 92,050; Apr. 17.
- Vidrio Products Corporation et al. (See Soreng, Edgar M., assignor.)
- Viehmann, George A., Santa Maria, Calif. Navigating instrument. 1,949,946; Mar. 6.
- Viel, Louis Léon, Ville D'Avray, assignor to Societe Generale des Carburateurs Zenith, Levallois-Perret, France. Device for controlling the fuel supply of internal combustion engines. 1,955,037; Apr. 17.
- Viele, John H., and C. W. Swift, Elmira, N. Y. Pressure relieving check valve for flow lines. 1,942,313; Jan. 2.
- Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Wire coil. 1,970,406; Aug. 14.
- Viens, Henry J., assignor to Lorraine Manufacturing Company, Pawtucket, R. I. Singling preventer. 1,978,657; Oct. 30.
- Vierengel, Harry W., Brooklyn, N. Y. Paper bag. 1,973,236; Sept. 11.
- Vierengel, M., Machine Co. Inc. (See Vierengel, Matthew, assignor.)
- Vierengel, Matthew, assignor to M. Vierengel Machine Co. Inc., Brooklyn, N. Y. Feeding device for sheets. 1,956,140; Apr. 24.
- Vierling, Frank J., Minneapolis, assignor of forty-nine one hundredths to A. H. Markert, St. Paul, Minn. Knife sharpener. 1,952,106; Mar. 27.
- Vierling Steel Works, et al. (See Owen, Fred E., assignor.)
- Viet, Paul. (See Gérard, Léon, assignor.)
- Vigers, Ronald W., and E. E. Chatterton, assignors to D. Napier & Son Limited, London, England. Fuel injection device for internal combustion engines. 1,946,359; Feb. 6.
- Vigne, Albert, assignor to National Bearing Metals Corporation, St. Louis, Mo. Bearing. 1,941,768; Jan. 2.
- Vigren, Sam D. (See Olson, A. H., and Vigren.)
- Vilas, William H., Detroit, Mich. Carton. 1,973,237; Sept. 11.
- Vilbrandt, Frank C. (See Bludworth, J. E., Sweeney, and Vilbrandt.)
- Vile, Merwin S., assignor to The Fafnir Bearing Company, New Britain, Conn. Pillow block. 1,946,431; Feb. 6.
- Villa, Julio I. (See MacEwan, W. R., and Villa.)
- Villard, Marcel, Paris, France. Compensated universal joint. 1,945,209; Jan. 30.
- Villem, Raymond, assignor to Compagnie Generale de Telegraphie, Paris, France. Detector system. 1,978,482; Oct. 30.
- Villem, Raymond, and R. Aubert, assignors to Compagnie Generale de Telegraphie sans Fil, Paris, France. Transmitter supply source. 1,949,263; Feb. 27.
- Villem, Raymond, and R. Aubert, Paris, France, assignors to Compagnie Generale de Telegraphie sans Fil. Antifading device. 1,974,903; Sept. 25.
- Villiers, William A., Knightsbridge, London, assignor to The General Electric Company Limited, London, England. Lighting device. 1,941,503; Jan. 2.
- Vilsmeyer, Anton. (See Nawlaskey, P., Stein, and Vilsmeyer.)
- Vilter Manufacturing Company, The. (See Baars, E. S. H., assignor, and Rolaff.)
- Vilter Manufacturing Company, The. (See Sloan, H., Baars, and Bach, assignors.)
- Vilter Manufacturing Company, The. (See Taylor, William H., assignor.)
- Finall, Ray, Davenport, Iowa. Curtain stretcher and prop. 1,944,019; Jan. 16.
- Vincent, Arthur A., Maplewood, N. J. Concrete form construction. 1,958,076; May 8.
- Vincent, Harold B., and H. P. Sleeman, assignors to The R. Thomas & Sons Company, East Liverpool, Ohio. Arcing horn for insulators. 1,947,321; Feb. 13.
- Vincent, Harvard B. (See Firestone, F. A., Abbott, and Vincent.)
- Vincent, Harvard B., Ann Arbor, Mich. Vacuum tube oscillator. 1,966,696; July 17.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Fuel feeding system. 1,941,642; Jan. 2.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Clutch mechanism. 1,955,880; Apr. 24.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 1,960,357; May 29.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Brake operating mechanism. 1,960,358; May 29.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,960,359; May 29.

- Vincent, Maurice, Paris, France. Door bolt for multileaf doors. 1,944,650; Jan. 23.
- Vincent, Orville L., Chicago, Ill., assignor, by mesne assignments, to Consolidated Signal Company. Gate operating means. 1,952,641; Mar. 27.
- Vinding, Laura R., New York, N. Y. Folding table. 1,978,827; Oct. 30.
- Vine, Israel H. (See Hammond, G., and Vine.)
- Vinella, Peter, Minneapolis, Minn. Floor surfacing machine. 1,958,077; May 8.
- Vinella, Peter, Minneapolis, Minn. Terrazo cove grinder. 1,984,205; Dec. 11.
- Viney, Adolphus. (See Schlared, Charles, assignor.)
- Vingerhoets, Antonius W., assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Time switch device. 1,980,146; Nov. 6.
- Vingerhoets, Georges, assignor to Compagnie Internationale Oenologique, Anvers, Belgium. Producing a wine. 1,957,875; May 1.
- Vinz, Alfred O., Beaver Dam, Wis. Apparatus for treating coal. 1,984,851; Dec. 18.
- Violante, Pasquale, Naples, Italy. Device for printing cutting lines for men's and women's garments. 1,956,457; Apr. 24.
- Violette, Edward P., Jacksonville, Fla. Awning blind. 1,954,464; Apr. 10.
- Vion, Eugene, Paris, France. Magnetic compass for aviation, navigation, and other purposes. 1,961,312; June 5.
- Viragh, Stephen, Wilkesburg, Pa. Window sash. 1,946,601; Feb. 13.
- Virck, Paul. (See Wallis, T., Falek, and Virck.)
- Virginia Art Goods Studios, Inc., The. (See Thornhill, B. R., and Rohr, assignors.)
- Virginia-Carolina Chemical Corp. (See Genz, Frederick W., assignor.)
- Virginia Smelting Company. (See Binns, Frederick W., assignor.)
- Viruette, Joseph D., assignor of one-half to E. T. Leary, Schenectady, and one-fourth to B. De Angelo, Oneonta, N. Y. Device for removing a measured quantity of cream from a bottle. 1,946,651; Feb. 13.
- Vis, George A., assignor to Kelvinator Corporation, Detroit, Mich. Evaporator. 1,945,103; Jan. 30.
- Vischer, Alfred, Jr., Ridgewood, N. J. Propulsion device. 1,985,391; Dec. 25.
- Vischer, Alfred, Jr., Ridgewood, N. J., assignor to The Financial Press Companies of America, Boston, Mass. Telegraphic printing mechanism. 1,979,510; Nov. 6.
- Vischer, Alfred, Jr., Ridgewood, N. J., and H. L. Paulding, Great Neck, N. Y., assignors to The Financial Press Companies of America, Boston, Mass. Switch. 1,957,088; May 1.
- Visco Meter Corporation. (See Eckstein, George R., assignor.)
- Viscose Company, The. (See Allen, George M., assignor.)
- Viscose Company, The. (See Breakell, J., Thompson, and La Brie, assignors.)
- Viscose Company, The. (See Davidson, Hobart O., assignor.)
- Viscose Company, The. (See Griffin Frank H., assignor.)
- Visking Corporation, The. (See Clement, Sylvester F., assignor.)
- Visking Corporation, The. (See Dietrich, Harold E., assignor.)
- Visking Corporation, The. (See Freund, Erwin O., assignor.)
- Visking Corporation, The. (See Henderson, W. F., and Davis, assignors.)
- Visking Corporation, The. (See Henderson, W. F., and Dixon, assignors.)
- Visking Corporation, The. (See Hewitt, Alfred G., assignor.)
- Visking Corporation, The. (See Voss, Julius, assignor.)
- Visking Corporation, The. (See Voss, J., and Würges, assignors.)
- Visnyel, George, Ithaca, N. Y. Salvaging apparatus. 1,957,622; May 8.
- Visomatic Systems, Inc. (See Wood, W. W., and Lutz, assignors.)
- Vissat, Anthony L., Bridgeville, assignor of one-half to H. L. Gleeson, Pittsburgh, Pa. Mechanical movement. 1,976,703; Oct. 9.
- Visser, Gerrit A., Detroit, Mich. Water circulating pump. 1,969,996; Aug. 14.
- Visual Display, Inc. (See Wolkenhauer, Gustav, assignor.)
- Vitale, Giorgio, Genoa, Italy. Fluid-tight glass closure for metallic containers. 1,975,703; Oct. 2.
- Vitalini, Walter R., Milford, Mass. Hydraulic valve tapet. 1,965,517; July 3.
- Vitamin Food Co. Inc. (See Allyn, Lewis B., assignor.)
- Vitimin Milling Corporation. (See Kinslow, Elijah M., assignor.)
- Vitolo, Louis, assignor to Century Oxford Mfg. Corp., Brooklyn, N. Y. Eyeglass structure. 1,973,587; Sept. 11.
- Vitrefrac Corporation. (See Curtis, Thomas S., assignor.)
- Vitrolite Company, The. (See Fisher, Henri A., assignor.)
- Vivaudou, Victor, Los Angeles, Calif. Toilet accessory container. Des. 92,786; July 10.
- Viveiros, Bento A., Cambridge, Mass. Submarine life saving apparatus. 1,980,647; Nov. 13.
- Vivid, Incorporated. (See Flanagan, John J., assignor.)
- Vlcek, Frank J., assignor to The Vlcek Tool Company, Cleveland, Ohio. Drop hammer. 1,954,155; Apr. 10.
- Vlcek, Frank J., assignor to The Vlcek Tool Company, Cleveland, Ohio. Drop hammer. 1,954,156; Apr. 10.
- Vlcek, Frank J., assignor to The Vlcek Tool Company, Cleveland, Ohio. Drop hammer. 1,954,157; Apr. 10.
- Vlcek, Frank J., assignor to The Vlcek Tool Company, Cleveland, Ohio. Drop hammer. 1,956,885; May 1.
- Vlcek Tool Company, The. (See Vlcek, Frank J., assignor.)
- Vlcek Tool Company, The. (See Wattleworth, John C., assignor.)
- Vloch, Mark, Bronx, N. Y. Holder for an X-ray film packet. 1,974,936; Sept. 25.
- Vocalsevo Company, The. (See Severy, Melvin L., assignor.)
- Vodoz, Frederick W., Wilmette, Ill. Stoker. 1,984,852; Dec. 18.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining drill and bit. 1,945,711; Feb. 6.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,950,707; Mar. 13.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,951,540; Mar. 20.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,962,334; June 12.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,963,039; June 12.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,968,107; July 31.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining drill. 1,982,585; Nov. 27.
- Voegel, Max. (See Darnell, V. L., and Voegel.)
- Voegel, Fred, North Little Rock, Ark. Hood lock for automobiles. 1,958,731; May 15.
- Voelk, Ottomar, and A. Boenecke, Berlin, Germany. Container. 1,965,327; July 3.
- Vogdes, Francis B., Plainfield, N. J., assignor to General Electric Company. Electric translating circuits. 1,970,440; Aug. 14.
- Voge, Charles J., Chicago, Ill. Battery ignition system. 1,980,648; Nov. 13.
- Vogel, Carl, Chicago, Ill. Bath spray. 1,962,793; June 12.
- Vogel, Floyd E., Lansdale, Pa. Internal combustion rotary engine. 1,974,761; Sept. 25.
- Vogel, Frank H., and R. A. Vogel, assignors to The Columbus Vending Company, Columbus, Ohio. Coin controlled vending machine. 1,981,931; Nov. 27.
- Vogel, Frank H. and R. A., assignors to The Columbus Vending Company, Columbus, Ohio. Coin-controlled vending machine. 1,982,273; Nov. 27.
- Vogel, Fred J., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Impulse voltage testing of electrical apparatus. 1,957,306; May 1.
- Vogel, Frederick A., deceased, Milton Ernest, England. J. M. Vogel, executrix of the estate, assignor, by mesne assignments, to E. B. H. Tower, Jr., Milwaukee, Wis. Chrome tanning process. 1,982,586; Nov. 27.
- Vogel, Frederick W., assignor to Brown Company, Berlin, N. H. Insole. 1,969,487; Aug. 7.
- Vogel, Irving H. (See Christensen, Charles J., assignor.)
- Vogel, Johannes A., and G. C. Warner, assignors to The Deluxe Products Corporation, La Porte, Ind. Honing device. 1,982,238; Nov. 27.
- Vogel Jorgensen, Mikael, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Cooling means for bearings. 1,959,451; May 22.
- Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Apparatus for use in the determination of grain sizes in granular material. 1,969,031; Aug. 7.
- Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Burning of cement, etc. 1,981,235; Nov. 20.
- Vogel, Josef, San Francisco, Calif. Carburetor. 1,944,309; Jan. 23.
- Vogel, Joseph A., Company. (See Vogel, Joseph A., assignor.)
- Vogel, Joseph A., Wilmington, Del. Burlal case or vault. 1,964,234; June 26.
- Vogel, Joseph A., assignor to Joseph A. Vogel Company, Wilmington, Del. Flushing apparatus. 1,961,313; June 5.
- Vogel, Joseph A., assignor to Joseph A. Vogel Company, Wilmington, Del. Flushing apparatus for water closet systems. 1,985,119; Dec. 18.
- Vogel, Joseph A., assignor to Joseph A. Vogel Company, Wilmington, Del. Vacuum break device for water service systems. 1,985,120; Dec. 18.
- Vogel, Joseph A., Company. (See Vogel, Joseph A., assignor.)
- Vogel, M., A. G. (See Nothnagel, Walter, assignor.)
- Vogel, Max, Frankfurt-on-the-Main, Germany. Envelope. 1,944,020; Jan. 16.

- Vogel, Max, Frankfurt-on-the-Main, Germany. Match case. 1,985,751; Dec. 25.
- Vogel & Noot. (See Deutsch, Siegfried, assignor.)
- Vogel, Ralph A. (See Vogel, F. H. and R. A.)
- Vogel, Ralph A., assignor to The Columbus Vending Company, Columbus, Ohio. Combined vending machine and lamp or article of similar nature. Des. 93,258; Sept. 4.
- Vogel, Ralph A., assignor to The Columbus Vending Company, Columbus, Ohio. Coin controlled vending machine. 1,947,891; Feb. 20.
- Vogel, Ralph A., assignor to The Columbus Vending Company, Columbus, Ohio. Vending machine. 1,977,837; Oct. 23.
- Vogel, Ralph A., assignor to The Columbus Vending Company, Columbus, Ohio. Coin controlled vending machine. 1,982,274; Nov. 27.
- Vogel, Robert, Hamburg, Germany. Weighing machine casing. Des. 91,694; Mar. 6.
- Vogel, Theodore F., assignor to The Simplex Shoe Manufacturing Co., Milwaukee, Wis. Shoe. Des. 93,310; Sept. 11.
- Vogel, William M., Glen Ridge, and R. W. Fentress, Elizabeth, N. J., assignors to Stanco Incorporated. Container closure structure. 1,958,454; May 15.
- Vogelleitner, Henry, New York, N. Y. Spinning game board. Des. 94,173; Dec. 25.
- Vogl, Otto, Chicago, Ill. Spool holder. 1,952,738; Mar. 27.
- Vogl, Otto, Chicago, Ill. Spool. 1,967,341; July 24.
- Vogler, Hermann, assignor to Schiess-Defries Aktiengesellschaft, Dusseldorf, Germany. Machine tool. 1,981,682; Nov. 20.
- Vogler, Hermann, assignor to Schiess-Defries Aktiengesellschaft, Dusseldorf, Germany. Apparatus for machining propeller blades. 1,985,752; Dec. 25.
- Vogt, Albert D., et al. (See Vogt, Henry A., assignor.)
- Vogt, Arthur G. (See Boblett, K. M., and Vogt.)
- Vogt, Charles H., Philadelphia, Pa. Sausage making method and apparatus. 1,942,582; Jan. 9.
- Vogt, Charles H., Philadelphia, Pa. Skinless and casing-less sausage and packaging same. 1,945,669; Feb. 6.
- Vogt, Charles H., Philadelphia, Pa. Treating sausages. 1,947,506; Feb. 20.
- Vogt, Charles H., Philadelphia, Pa. Manufacture of sausages. 1,964,009; June 26.
- Vogt, Charles H., Philadelphia, Pa. Manufacturing and marketing sausages. 1,964,010; June 26.
- Vogt, Charles H., Philadelphia, Pa. Making and marketing sausage products. 1,964,011; June 26.
- Vogt, Charles H., assignor to Modern Food Process Company, Philadelphia, Pa. Encased meat loaf. Des. 94,174; Dec. 25.
- Vogt, Clarence C., Lancaster, Pa. Mucin solvent agent. 1,969,340; Aug. 7.
- Vogt, Clarence W., assignor to Vogt Instant Freezers, Incorporated, Louisville, Ky. Wrapped ice cream portion. 1,950,643; Mar. 13.
- Vogt, Clarence W., assignor to Vogt Instant Freezers, Incorporated, Louisville, Ky. Quick-freezing of comestibles. 1,953,520; Apr. 3.
- Vogt, Clarence W., assignor to Vogt Instant Freezers, Incorporated, Louisville, Ky. Process and apparatus for hardening material. 1,953,521; Apr. 3.
- Vogt, Clarence W., assignor to Vogt Instant Freezers, Incorporated, Louisville, Ky. Apparatus for processing material. 1,956,141; Apr. 24.
- Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Automatic control of the processing of materials. 1,965,616; July 10.
- Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Method and apparatus for processing materials. 1,965,617; July 10.
- Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Processing plastic comestibles. 1,965,618; July 10.
- Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes Incorporated, Louisville, Ky. Apparatus for forming shaped bodies of ice cream. 1,965,619; July 10.
- Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Automatic control of the treating of materials. 1,965,620; July 10.
- Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Multilayer frozen comestible product. 1,968,183; July 31.
- Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes Incorporated, Louisville, Ky. Process and apparatus for preparing and packing food products. 1,972,253; Sept. 4.
- Vogt, Hans, Berlin, Germany. Electrostatic loud speaker. 1,948,637; Feb. 27.
- Vogt, Henry A. (See Vogt, Henry A., assignor.)
- Vogt, Henry A., Jamaica, assignor of one-third to H. A. Vogt, Jr., Woodhaven, and one-third to A. D. Vogt, Jamaica, N. Y. Locking means for window screens and the like. 1,970,677; Aug. 21.
- Vogt, Henry, Machine Co. (See Haunz, Charles F., assignor.)
- Vogt, Henry, Machine Co. (See Kugaugh, Benjamin F., assignor.)
- Vogt, Henry, Machine Co. Inc. (See Fuller, Raymond C., assignor.)
- Vogt, Henry O., Thomaston, assignor to The E. Ingraham Company, Bristol, Conn. Convex crystal and making same. 1,978,825; Oct. 30.
- Vogt Instant Freezers, Incorporated. (See Vogt, Clarence W., assignor.)
- Vogt Processes, Incorporated. (See Vogt, Clarence W., assignor.)
- Vogt, Richard C., West New York, N. J. Mud guard for shoe heels. 1,961,267; June 5.
- Vogt, Richard C., West New York, N. J. Curtain rod mounting. 1,970,925; Aug. 21.
- Vogt, Wolfram, and E. Huber, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the diazine series. 1,979,667; Nov. 6.
- Voices, Incorporated. (See Franklin, Bernard S., assignor.)
- Voices, Incorporated. (See Grubman, Leo J., assignor.)
- Voight, Albert, New York, N. Y. Door separator and track for door runways in display cases. 1,945,008; Jan. 30.
- Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Shelf and bracket therefor. 1,956,164; Apr. 24.
- Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Lock with removable cylinder mechanism. 1,964,787; July 3.
- Voigt, Albert P. J., Galveston, Tex. Water muffler. 1,973,784; Sept. 18.
- Voigt, Albert P. J., J. D. Morhan, and F. J. Herbelin, Galveston, Tex. Buckle and strap for cotton bales. 1,985,476; Dec. 25.
- Voigt & Haefner A.-G. (See Horst, Adam, assignor.)
- Voigt & Haefner Aktiengesellschaft. (See Haag, Leonhard, assignor.)
- Voigt, William A., Toledo, Ohio. Blank or unit for making dental plate. 1,976,153; Oct. 9.
- Voigtlander & Sohn Aktiengesellschaft. See Barényi, Árpád, assignor.)
- Voith, J. M. (See Mueller, Hans, assignor.)
- Voith, J. M. (See Schmitthener, Carlos, assignor.)
- Voith, J. M. (See Stein, Friedrich, assignor.)
- Volbehr, Hartwig. (See Mösslang, H., and Volbehr.)
- Vold, Lars H., Butler, Pa. Refrigerating system. 1,949,518; Mar. 6.
- Volk, Walter C., Rome, assignor to Skenandoa Rayon Corporation, Utica, N. Y. Drive mechanism for centrifugal buckets. 1,948,834; Feb. 27.
- Volkes, Morris. (See Gursky, H., and Volkes.)
- Volkhardt, Charles E., East Orange, N. J., assignor to The Barrett Company, New York, N. Y. Making composition roofing. 1,952,828; Mar. 27.
- Volkmann, Ernest W. (See Rhodes, E. O., Volkman, and Fitzpatrick.)
- Vollenweider, Emil, Sacramento, Calif. Motion picture projector. 1,981,255; Nov. 20.
- Vollman, Joseph, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Article attaching machine. 1,956,431; Apr. 24.
- Vollman, Joseph, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Article attaching. 1,958,873; May 15.
- Vollmann, Heinrich. (See Kränzlein, G., and Vollmann.)
- Vollmann, Heinrich. (See Kränzlein, G., Vollmann, Boeder, and Becker.)
- Vollmann, Heinrich. (See Kunz, M. A., Kränzlein, Koeberle, Cörell, Berthold, and Vollmann.)
- Vollmeke, Walter A., et al. (See Genrich, Arnold W., assignor.)
- Vollrath Co., The. (See de Sakhnoffsky, Alexis, assignor.)
- Vollrath, Harold B., Bronxville, N. Y., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Hixing, kneading, and shredding blade. 1,953,733; Apr. 3.
- Vollrath, Joseph P., assignor to The Brown Instrument Company, Philadelphia, Pa. Thermocouple. 1,979,085; Oct. 30.
- Volpe, Michael, assignor of one-half to E. G. Nassar, Pittsburgh, Pa. Trolley wheel spindle. 1,953,662; Apr. 3.
- Volpin, Alexander S., Houston, Tex. Releasable ice cube tray. 1,958,502; May 15.
- Volta G. m. b. H. (See Egger, Leopold, assignor.)
- Voltz Brothers, Inc. (See Voltz, Daniel W., assignor.)
- Voltz, Daniel W., assignor to Voltz Brothers, Inc., Chicago, Ill. Body construction. 1,942,314; Jan. 2.
- Voltz, Daniel W., assignor to Voltz Brothers, Inc., Chicago, Ill. Body construction. 1,942,315; Jan. 2.
- Volwiler, Ernest H., Highland Park, and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Sedative compounds. 1,969,828; Aug. 14.
- Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Stream line wire wrench. 1,942,316; Jan. 2.
- Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Coilable measuring rule. 1,983,202; Dec. 4.
- Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Measuring rule. 1,983,503; Dec. 4.
- Von Arco, Georg, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna system. 1,950,708; Mar. 13.
- Von Arco, Georg, and C. Schapira, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Combined recorder and reproducer. 1,974,904; Sept. 25.

- Von Ardenne, Manfred, Berlin, assignor to Radioaktiengesellschaft D. S. Lowe, Berlin-Steglitz, Germany. High frequency wave modulation. 1,982,771; Dec. 4.
- Von Baumbach, Driedrich. (See Pöndorf, Wilhelm, assignor.)
- Von Becker, Reinhold, Darmstadt, Germany, and J. Djordjević, Paris, France. Carburetor. 1,956,367; Apr. 24.
- Von Becker, Reinhold, Darmstadt, Germany, and J. Djordjević, Paris, France. Carburetor. 1,963,159; June 19.
- Von Bergen, Emil E., Chicago, Ill. Lubricator for axle or shaft bearings. 1,964,547; June 26.
- Von Bichowsky, Foord, Glendale, Calif. Producing finely divided hydrated calcium sulphate. 1,943,497; Jan. 16.
- Von Bichowsky, Foord, Glendale, Calif. Pigments containing titanium. 1,975,339; Oct. 2.
- Von Biebler, Arpad, Dessau-in-Anhalt, Germany, assignor to Agfa Anso Corporation, New York, N. Y. Color photography. 1,984,504; Dec. 18.
- Von Biebler, Arpad, Dessau in Anhalt, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Photographic material. 1,974,524; Sept. 25.
- Von Brockdorff, Rudolf, Munich, Germany. Liquid level indicating means. 1,978,392; Oct. 23.
- Von Bronk, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electric picture transmission. 1,976,377; Oct. 9.
- Von Capeller, Rudolf. (See Misslin, E. E., and von Capeller.)
- Von Delwig, Carl. (See Kalling, B. M. S., and von Delwig.)
- Vonderahe, Frederick C., Milwaukee, Oreg. Garden tool. 1,954,854; Apr. 17.
- Von der Heydt, William, Newark, N. J. Carrying case. 1,961,181; June 5.
- Von der Lippe-Lipski, Elaine, Washington, D. C. Animated advertising sign. 1,966,634; July 17.
- Von Eisenbarth, August, Bronxville, assignor to J. Olmarsh, New York, N. Y. Textile fabric or similar article. Des. 91,375; Jan. 16.
- Von Elm, William, Brooklyn, N. Y. Receptacle for garbage, etc. 1,966,323; July 10.
- Von Engel, Alfred, and R. G. Berthold, Berlin-Siemensstadt, and R. Rüdenberg, Berlin-Grunewald, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed control. 1,985,003; Dec. 18.
- Von Frantzius, Peter, assignor to Hercules Gas-Munitions Corporation, Chicago, Ill. Gas discharging device. 1,970,719; Aug. 21.
- Von Girssewald, Conway, Frankfort-on-the-Main, and O. Schöber, Horrem, near Cologne-on-the-Rhine, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of pure aluminium silicon alloys. 1,972,432; Sept. 4.
- Von Girssewald, Conway B., H. Weidmann, and G. Roesner, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of acid disodium pyrophosphate. 1,956,111; Apr. 24.
- Von Gruber, Otto, assignor to firm Carl Zeiss, Jena, Germany. Projection screen. 1,985,066; Dec. 18.
- Von Gruber, Otto, and F. Pfeiffer, assignors to the firm of Carl Zeiss, Jena, Germany. Image-plate holding chamber for image-measuring devices. 1,983,328; Dec. 4.
- Von Haase, Anthony, Lakewood, Ohio, assignor to Stewart-Warner Corporation. Automatic code signaling device. 1,976,050; Oct. 9.
- Von Haase, Anthony, Lakewood, Ohio, assignor to Stewart-Warner Corporation, Chicago, Ill. Automatic code signaling device. 1,976,051; Oct. 9.
- Von Hanfstaengl, Georg, Nuremberg, Germany. Sealing ring for use in gas holders of disk type. 1,946,512; Feb. 13.
- Von Heinrich, Friedrich, assignor of one-half to Hungarian National Bank, Budapest, Hungary. Rotary copper-plate printing press. 1,979,086; Oct. 30.
- Von Hoessle, Carl H., Radebeul, assignor to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Producing colloidal solutions of inorganic substances in polyalcohols, and products obtained thereby. 1,955,211; Apr. 17.
- Von Hoessle, Carl H., Radebeul-Dresden, assignor to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Making colloidal solutions of metals and of metallic compounds in polyalcohols and product obtained thereby. 1,969,166; Aug. 7.
- Von Issendorff, Jürgen, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Arc rectifier with controlling members. 1,971,838; Aug. 28.
- Von Karabetz, Hans, assignor to firm Carl Zeiss, Jena, Germany. Device for controlling a movable machine part. 1,964,188; June 26.
- Von Kärman, Theodor, Aachen, Germany. Process and apparatus for making aerial propellers. 1,962,794; June 12.
- Von Keller, Arthur R., Jamaica, N. Y. Refuse collector. 1,964,394; June 26.
- Von Kleist, Felix B., Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Metal vapor rectifier for heavy currents. 1,942,317; Jan. 2.
- Von Kujawa, Gerhard. (See Hagedorn, M., and von Kujawa.)
- Von Maltitz, Edmund, Chicago, Ill. Filtering apparatus. 1,945,839; Feb. 6.
- Von Mihály, Dénes, Berlin-Wilmersdorf, Germany, assignor to I. M. K. Syndicate Limited, London, England. Television apparatus. 1,969,633; Aug. 7.
- Von Nagel, Alfred. (See Schlecht, L., and von Nagel.)
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Pitcher or article of analogous nature. Des. 91,376; Jan. 16.
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Coffee urn or article of analogous nature. Des. 93,899; Nov. 20.
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Coffee urn or article of analogous nature. Des. 93,900; Nov. 20.
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Food warmer or article of analogous nature. Des. 93,901; Nov. 20.
- Von Nessen, Walter, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Ash receiver. Des. 93,954; Nov. 27.
- Von Normann, Alfred G., assignor to Trumbull Electric Manufacturing Company, Pacific Division, Seattle, Wash. Arc snuffer. 1,951,297; Mar. 13.
- Von Normann, Alfred G., assignor to Trumbull Electric Manufacturing Company, Seattle, Wash. Connector for electrical cabinet boxes. 1,955,106; Apr. 17.
- Von Oberstadt, Bopp, assignor of one-half to F. Liebhold, Berlin-Halensee, Germany. Adjusting means and method for brakes of automobiles. 1,953,575; Apr. 3.
- Von Oberstadt, Prete Franz G. B., Berlin-Halensee, Germany. Master cylinder for brakes. 1,951,224; Mar. 13.
- Von Ohlsen, Louis H., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. System and apparatus for electric regulation. 1,943,498; Jan. 16.
- Von Ohlsen, Louis H., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Fan construction. 1,957,307; May 1.
- Von Ohlsen, Louis H., and F. W. Godsey, Jr., New Haven, Conn., assignors to The Safety Car Heating & Lighting Company. System and apparatus for regulation. 1,943,463; Jan. 16.
- Von Ohlsen, Louis H., and F. W. Godsey, Jr., New Haven, Conn., assignors to The Safety Car Heating & Lighting Company. System and apparatus for regulation. 1,943,464; Jan. 16.
- Von Okolicsanyi, Franz, Berlin-Wilmersdorf, and G. Wickenhauser, assignors to Telehor Aktien-Gesellschaft, Berlin-Charlottenburg, Germany. Synchronizing apparatus for television receivers. 1,950,831; Mar. 13.
- Von Opel, Fritz, Russelsheim-on-the-Main, Germany. Steering apparatus for aircraft. 1,974,884; Sept. 25.
- Von Pechmann, Paul, Cologne, Germany. Hydraulic actuating means for lathe slides. 1,950,332; Mar. 6.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,946,602; Feb. 13.
- Von Pein, Edward J., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale pivot. 1,954,030; Apr. 10.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,966,657; July 17.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,981,256; Nov. 20.
- Von Piotrowski, Wacław, and J. Winkler, Drohobycz, Poland. Treatment of gas. 1,977,101; Oct. 16.
- Von Platen, Baltzar C., Stockholm, Sweden. Direct current transformer system. 1,941,643; Jan. 2.
- Von Platen, Baltzar C., Stockholm, Sweden. Transformer. 1,941,644; Jan. 2.
- Von Platen, Baltzar C., Stockholm, Sweden. Commutation of electric machines. 1,943,904; Jan. 16.
- Von Platen, Baltzar C., Stockholm, Sweden. Electric machinery. 1,949,504; Mar. 6.
- Von Platen, Baltzar C., and G. A. Grubb, Stockholm, Sweden. Commutation of electric machines. 1,943,905; Jan. 16.
- Von Plawenn, Arbogast, Frankfort-on-the-Main, and G. Kersten, Grebenstein, near Cassel, assignors, by mesne assignments, to R. Feix and E. Scheinberger, Frankfort-on-the-Main, Germany. Preparation of curds (casein), fresh cheese, and rennet cheeses from cream, whole milk, or skim milk. 1,953,734; Apr. 3.
- Von Poelgeest, William. (See Pickel, F., and von Poelgeest.)
- Von Poser, Gottlieb. (See Schmidt, M. P., and von Poser.)
- Von Pritzelwitz van der Horst, E. C., Pasoeroean, Java, Dutch East Indies. Automatic weighing machine. 1,978,558; Oct. 30.
- Von Rechenberg, Hans A. F., Cologne, Germany. Rotary separator. 1,948,998; Feb. 27.
- Von Récsy, Elemér, and Nicolaus von Récsy, Berlin, Germany. Method and device for treating stable manure. 1,950,280; Mar. 6.
- Von Récsy, Nicolaus. (See von Récsy, Elemér and N.)
- Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Feeding glass sheets from the forming machine to the leers. 1,967,638; July 24.

- Von Reis, Lambert, Herzogenrath, Germany, assignor to N. V. Maatschappij tot Beheer en Exploitatie van Oetoe, The Hague, Netherlands. Leer. 1,967,761; July 24.
- Von Rosenberg, Guido. (See Holzach, K., and von Rosenberg.)
- Von Rosenberg, Guido F. (See Winkeler, H., Reindel, and Von Rosenberg.)
- Von Schütz, Friedrich, Berlin, Germany. Gas meter reversing mechanism. 1,961,654; June 5.
- Von Schütz, Friedrich, Berlin, Germany. Dry gas meter. 1,962,044; June 5.
- Von Schütz, Friedrich, Berlin-Lichterfelde, Germany. Prepayment mechanisms for gas meters. 1,984,100; Dec. 11.
- Von Schütz, Friedrich, Berlin, and W. Holm, Furstenwalde, Germany. Gas meter. 1,955,696; Apr. 17.
- Von Soden-Fraunhofen, Alfred G., Friedrichshafen, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Bodensee, Germany. Change speed gear. 1,983,955; Dec. 11.
- Von Stackelberg, Jürgen, Baltimore, Md. Gameboard. 1,962,576; June 12.
- Von Stackelberg, Jürgen, Baron Silber, Baltimore, Md. Practice bomb. 1,963,451; June 19.
- Von Suchorzynski, Anton, Breslau-Bischhofswalde, Germany. Electric hearing apparatus for the deaf. 1,971,630; Aug. 28.
- Von Szeszich, Lajos, Constance, Germany. Destructive hydrogenation of carbonaceous materials. 1,948,058; Feb. 20.
- Von Szeszich, Lajos, Constance, Germany. Destructive hydrogenation of carbonaceous materials. 1,950,333; Mar. 6.
- Von Szeszich, Lajos, Constance, assignor to Deutsche Gold- & Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Destructive hydrogenation of carbonaceous materials. 1,946,341; Feb. 6.
- Von Szeszich, Ludwig, Constance, assignor to Deutsche Gold- & Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Catalytic treatment of carbonaceous bodies. 1,982,556; Nov. 27.
- Von Thein, Theodore. (See Reilly, W., and Von Thein.)
- Von Thien, Theodore, Nyack, assignor to Robert Gair Company, Inc., New York, N. Y. Method and apparatus for making cartons. 1,980,604; Nov. 13.
- Von Thüngen, Hubert F., assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Bodensee, Germany. Freewheel mechanism. 1,942,909; Jan. 9.
- Von Till, Louis A., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Applicator package. 1,947,667; Feb. 20.
- Von Till, Louis A., Brooklyn, assignor to Anchor Cap & Closure Corporation, New York, N. Y. Sealed package. 1,972,280; Sept. 4.
- Von Vágó, Paul. (See Szikla, G., Merse, and von Vágó.)
- Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Lubricator. 1,959,698; May 22.
- Von Webern, Guido. (See Casto, L. V., and Von Webern.)
- Von Webern, Guido, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Making graining rolls. 1,944,200; Jan. 23.
- Von Wedel, Carl J. R. H., Berlin, Germany, assignor to Electrons, Inc. Cathode for electrical discharge devices. 1,946,603; Feb. 13.
- Von Wolfersdorf, Hans, Wheaton, Ill., assignor to Dazey Churn & Manufacturing Company, St. Louis, Mo. Can opener. 1,977,903; Oct. 23.
- Von Zeerleder, Alfred. (See Weber, J., von Zeerleder, and Treadwell.)
- Voorderman, Arend, Sioux Center, Iowa. Egg case cover. 1,952,300; Mar. 27.
- Voorhees, Daniel W., jr., Peru, Ill. Wagon bolster. 1,956,884; May 1.
- Voorhees, Daniel W., jr., Peru, Ill. Tractor attachment mechanism. 1,962,539; June 12.
- Voorhees, Daniel W., jr., Peru, Ill. Wagon construction. 1,973,938; Sept. 18.
- Voorhees, Daniel W., jr., Peru, Ill. Tractor attachment mechanism. 1,979,511; Nov. 6.
- Voorhees, Harold R., Merchantville, N. J., assignor to Radio Corporation of America. Sound translating device. 1,976,868; Oct. 16.
- Voorhees, Stephen F., Nyack, N. Y., assignor to American Telephone and Telegraph Company. Portable lamp. 1,966,569; July 17.
- Voorhees, Vanderveer. (See Parkhurst, G. L., and Voorhees.)
- Voorhees, Vanderveer. (See Rogers, T. H., and Voorhees.)
- Voorhees, Vanderveer. (See Sullivan, F. W., jr., and Voorhees.)
- Voorhees, Vanderveer Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Making antiknock motor fuels. 1,951,780; Mar. 20.
- Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Color-stabilized mineral oil. 1,973,676; Sept. 11.
- Voorhees, Vanderveer, Hammond, assignor to Standard Oil Company, Whiting, Ind. Antiknock gasoline. 1,974,167; Sept. 18.
- Voorhees, Vanderveer, Hammond, Ind., and H. V. Atwell, Bayside, N. Y., assignors to Standard Oil Company, Chicago, Ill. Making ice. 1,976,204; Oct. 9.
- Voorhees, Vanderveer, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Dewaxing mineral oils. 1,956,780; May 1.
- Voorhees, Vanderveer. (See Rogers, T. H., and Voorhees, assignors.)
- Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Desuperheater. 1,983,422; Dec. 4.
- Voorhees, Vanderveer, Hammond, Ind., and J. A. Anderson, assignors to Standard Oil Company, Chicago, Ill. Lubricating oil process. 1,980,649; Nov. 13.
- Voorheis, Joseph T., Los Angeles, Calif. Oil heater. 1,948,550; Feb. 27.
- Voorheis, Joseph T., Los Angeles, Calif. Combined gas and oil burner. 1,951,379; Mar. 20.
- Voorhoeve, Nicolaas A. J., and F. H. de Jong, assignors to The N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Controlling device comprising a triode. 1,972,806; Sept. 4.
- Vorbeck, Peter, Rochester, N. Y. Supporting frame and tray for beds. 1,950,128; Mar. 6.
- Vorech, Stephen, and S. Johnson, jr., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Compressor. 1,967,001; July 17.
- Voris, Russell T., assignor to The Manufacturers Equipment Company, Dayton, Ohio. Clay working machine. 1,981,257; Nov. 20.
- Vorsatz, Fritz, A. (See Closmann, E. A., Vorsatz, and Kasper.)
- Vortex Cup Company. (See Barbieri, Cesare, assignor.)
- Vortex Cup Company. (See Fenner, Robert C., assignor.)
- Vortex Cup Company. (See Wood, Andrew C., assignor.)
- Vortex Manufacturing Company. (See Garner, Herman H., assignor.)
- Vorwerk, Paul O. F., assignor to Edeltahlwerk Röchling Aktiengesellschaft, Volklngen-on-the-Saar, Germany. Spring. 1,946,340; Feb. 6.
- Vorwerk, Paul O. F., assignor to Corporation of Edeltahlwerk Röchling Aktiengesellschaft, Volklngen-on-the-Saar, Germany. Treating springs. 1,947,927; Feb. 20.
- Vos, Julius, Wiesbaden-Biebrich, Germany, assignor to Du Pont Cellophane Company, New York, N. Y. Treating cellulose. 1,961,268; June 5.
- Vos, Mauritz, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Signal receiver. 1,949,134; Feb. 27.
- Vose, Lewis S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Magazine for shuttle changing loom. 1,982,772; Dec. 4.
- Vose, Richard S., Ridley Park, Pa., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Refining hydrocarbon oils. 1,952,616; Mar. 27.
- Vose, Richard S., Ridley Park, Pa., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Refining liquid hydrocarbons. 1,962,698; June 12.
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Co., Toledo, Ohio. Power tool. 1,943,643; Jan. 16.
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Tool carrier. 1,943,644; Jan. 16.
- Voss, Arthur. (See Dachlauer, K., Thomsen, and Voss.)
- Voss, Arthur. (See Kränzlein, G., and Voss.)
- Voss, George E., St. Louis, Mo. Hoop roller. 1,985,557; Dec. 25.
- Voss, Johann H. H., White Plains, N. Y. Automatic ring plate valve. 1,958,219; May 8.
- Voss, John H., Berwyn, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 1,963,600; June 19.
- Voss, John H., and H. A. Steinmeyer, Chicago, Ill. Air conditioner. 1,968,184; July 31.
- Voss, Julius, Wiesbaden-Biebrich, Germany, assignor, by mesne assignments, to The Visking Corporation, Chicago, Ill. Device for spinning viscose solutions while applying long precipitating distances. 1,942,990; Jan. 9.
- Voss, Julius, and O. Würges, Wiesbaden-Biebrich, Germany, assignors to The Visking Corporation, Chicago, Ill. Artificial sausage casing and preparing it. 1,978,774; Oct. 30.
- Voss, Walter K., Davenport, Iowa. Electric iron. 1,960,424; May 29.
- Votaw, Verling M., and H. S. Coith, Wyoming, assignors to The Procter & Gamble Company, Ivorydale, Ohio. Making cake and the resulting product. 1,971,886; Aug. 28.
- Vouch, Stephen J., Erie, Pa., assignor to General Electric Company. Excitation system for dynamo-electric machines. 1,980,775; Nov. 13.
- Vrany, Carl, Berlin-Lichterfelde-Ost, and H. Zedner, Birkenwerder, near Berlin, assignors to C. Lorenz Aktien-gesellschaft, Berlin-Tempelhof, Germany. High power short wave transmitting apparatus. 1,978,067; Oct. 23.
- Vreeland, Elmer L. (See Worley, John, jr., and Vreeland.)
- Vreeland, Frederick K., Montclair, N. J. Remote control for radioreceivers. 1,979,588; Nov. 6.
- Vreeland, John J. (See Crampton, D. K., and Vreeland.)
- Vretman, Carl G., Atlanta, Ga. Method and apparatus for conditioning air in refrigerators. 1,979,589; Nov. 6.

- Vretman, Carl G., Atlanta, Ga. Process and apparatus for conditioning air in refrigerators. 1,979,590; Nov. 6.
- Vroman, Erwin C. (See Campbell, C. A., and Vroman.)
- Vroom, Guybert B., U. S. Navy. Burner for liquid or comminuted solid fuels. 1,953,090; Apr. 3.
- Vrooman, Edward C., Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Aviation marker. 1,976,378; Oct. 9.
- Vrooman, Edward C., Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Aerial mast. 1,981,339; Nov. 20.
- Vuilleminot, Frederic A., Toledo, Ohio. Atomizer. Des. 91,695; Mar. 6.
- Vuilleminot, Frederic A., Toledo, Ohio. Atomizer. Des. 93,857; Nov. 13.
- Vuilleminot, Frederic A., Toledo, Ohio. Atomizer. Des. 94,175; Dec. 25.
- Vuilleminot, Frederic A., Toledo, Ohio. Perfume dispenser or similar article. Des. 94,176; Dec. 25.
- Vuilleumier, Albert, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Grinding machine. 1,977,747; Oct. 23.
- Vulcan Corporation, The. (See Clausung, George, assignor.)
- Vulcan Engineering Corporation. (See Corwin, Howard D., assignor.)
- Vulcan Proofing Company. (See Lewis, Robert R., assignor.)
- Vulcan Proofing Company. (See Lewis, R. R., and Weiss, assignors.)
- Vulcan Soot Blower Corporation. (See Arey, Fred C., assignor.)
- W-K-M Company. (See Laurent, Milton P.)
- W-K-M Company. (See McManis, Fred, assignor.)
- W-R-M, Inc. (See Duke, Elza W., assignor.)
- W-R-M, Inc. (See Moore, David P., assignor.)
- Wachendorff, Ernst, St. Poelten, near Vienna, Austria, assignor to North American Rayon Corporation, New York, N. Y. Flow measuring device. 1,967,847; July 24.
- Wachowitz, Walter J., assignor to Alloy Products Corp., Waukesha, Wis. Tank. 1,985,702; Dec. 25.
- Wachs, Benjamin and M. A., Brooklyn, and D. H. Collin, New York, N. Y. Vending machine. 1,947,322; Feb. 13.
- Wachs, E. H., Company, The. (See Parker, Howard W., assignor.)
- Wachs, Murray A. (See Wachs, Benjamin and M. A., and Collin.)
- Wachsman, Jacob, Brooklyn, N. Y. Stop mechanism for knitting machines. Re19,069; Feb. 6.
- Wachsman, Jacob, Brooklyn, N. Y. Spring terminal clip. 1,976,312; Oct. 9.
- Wachtel, Sam, and L. B. Zeldis, Philadelphia, Pa. Making garments and product thereof. 1,979,300; Nov. 6.
- Wachter, August, assignor to the firm Maschinenfabrik Weingarten vorm. Hch. Schatz A. G., Weingarten, Germany. Universal machine for canting and circular bending. 1,944,651; Jan. 23.
- Wachter, Herman, et al. (See Calkins, Leslie B., assignor.)
- Wachter, Lester. (See Anthony, W. C., and Wachter.)
- Wack, Henry K., assignor to J. I. Paulding, Inc., New Bedford, Mass. Adapter for electric lamp sockets. 1,981,816; Nov. 20.
- Wacker, Dr. Alexander, Gesellschaft fur Elektrochemische Industrie, G. m. b. H. (See Halbig, P., and Kaufer, assignors.)
- Wacker, Dr. Alexander, Gesellschaft fur Elektrochemische Industrie, G. m. b. H. (See Halbig, P., Kaufer, and Deger, assignors.)
- Wacker, Dr. Alexander, Gesellschaft fur Elektro-Chemische Industrie, G. m. b. H. (See Müller, Melmuth, assignor.)
- Wackman, Louis B., St. Louis, Mo. Removable full opening cover for metallic barrels or containers. 1,975,738; Oct. 2.
- Wada, Chyosaku, assignor to M. Masuda Tokyo, Japan. Extracting proteolytic enzymes from figs, mulberries, papayas, pineapples, and bananas. 1,959,750; May 22.
- Wadd, Roy J., assignor to Harnischfeger Corporation, Milwaukee, Wis. Hoist. 1,945,712; Feb. 6.
- Waddell, Benson F. (See Dollin, E. N., and Waddell.)
- Waddell, Homer J., Baltimore, Md., assignor, by mesne assignments, to The Meter Parts Company. Gas meter. 1,950,334; Mar. 6.
- Waddell, John, Dubbo, and F. A. Huet, Warren, Australia. Adjustable louver window. 1,960,763; May 29.
- Waddell, Myron C., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Crystallization of sodium metasilicate hydrates. 1,953,839; Apr. 3.
- Waddell, Myron C., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making sodium pyrosilicate hydrate. 1,953,840; Apr. 3.
- Waddell, William, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 1,979,058; Oct. 30.
- Waddey, George I. (See Holderfield, Horace C., assignor.)
- Wade, Charles N., Paterson, N. J. Toilet paper holder and cutter. 1,975,414; Oct. 2.
- Wade, Henry N., Los Angeles, Calif. Reflux control system for stabilizing towers. 1,965,088; July 3.
- Wade, Henry R., Wichita, Kans. Wrist watch band. Des. 92,787; July 10.
- Wade, John B., assignor of one-half to H. J. McKenzie, Los Angeles, Calif. Treating device. 1,966,658; July 17.
- Wade, John B., Los Angeles, Calif. Submersible motor construction for deep well pumps. 1,970,154; Aug. 14.
- Wade, John H., Fairfield, Conn. Apparatus for pasteurizing milk. 1,980,605; Nov. 13.
- Wade, Ripley, Memphis, Tenn. Game. 1,952,187; Mar. 27.
- Wade, Robert A., Paces, Va. Plant protector. 1,978,921; Oct. 30.
- Wade, Stanley M., Fresno, Calif. Knot holder and shoulder spreader for ties. 1,954,303; Apr. 10.
- Wade, Wallace G. (See Freeman, H. M., and Wade, assignors.)
- Wade, Wallace G., assignor to Westinghouse Electric & Manufacturing Company, Lancaster, Pa. Vacuum tube device. 1,949,396; Feb. 27.
- Wade, Wallace G., Lancaster, Pa., assignor to Westinghouse Electric & Manufacturing Company. Triode vacuum tube. 1,949,397; Feb. 27.
- Waderlow, Benjamin A., Flint, assignor to General Motors Corporation, Detroit, Mich. Car cooler. 1,946,994; Feb. 13.
- Wadkins, Bert M., Muskegon Heights, Mich. Convertible rack. 1,975,595; Oct. 2.
- Wadl, John R., Huntingdon, Pa. Holding articles. 1,942,228; Jan. 2.
- Wadley, Calvin P., Buffalo, N. Y. Heat exchanger. 1,960,325; May 29.
- Wadman, Harold A., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Woven wire conveyor belt. Re19,074; Feb. 13.
- Wadman, Harold A., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making glass. 1,944,855; Jan. 23.
- Wadman, Harold A., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,961,512; June 5.
- Wadman, Harold A., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for making glass with salt. 1,970,112; Aug. 14.
- Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 1,974,058; Sept. 18.
- Wadman, Harold A., West Hartford, and H. W. McIntosh, Windsor, assignors to Hartford-Empire Company, Hartford, Conn. Automatic level control system. 1,961,893; June 5.
- Wadman, Harold A., West Hartford, and H. W. McIntosh, Windsor, assignors to Hartford-Empire Company, Hartford, Conn. Automatic control system. 1,961,894; June 5.
- Wadman, Harold A., West Hartford, and H. W. McIntosh, Windsor, assignors to Hartford-Empire Company, Hartford, Conn. Drift control for leers and drift responsive means therefor. 1,973,452; Sept. 11.
- Wadsworth, Daniel V., and L. Wickenden, Manbasset, N. Y., assignors to J. J. Naugle, Greenwich, Conn. Treating sugar melts. 1,956,260; Apr. 24.
- Wadsworth, David T. (See Kuhlman, L. G., and Wadsworth.)
- Wadsworth, Dwight W., and W. A. Breckon, Fennville, Mich. Packing apparatus. 1,942,460; Jan. 9.
- Wadsworth Electric Manufacturing Company, The. (See Coy, Joseph A., assignor.)
- Wadsworth Electric Manufacturing Company, The. (See Kuhlman, L. G., and Wadsworth, assignors.)
- Wadsworth, George B., Company, The. (See Wadsworth, George E., assignor.)
- Wadsworth, George E., Erlanger, Ky., assignor to The George B. Wadsworth Company, Cincinnati, Ohio. Fuse receptacle. 1,952,151; Mar. 27.
- Wadsworth, George T. (See Zellar, A. R., and Wadsworth.)
- Wadsworth, James M., Sand Springs, Okla. Decolorizing and desulphurizing hydrocarbon vapors. 1,960,561; May 29.
- Wadsworth, James M., Tulsa, Okla., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,952,692; Mar. 27.
- Wadsworth Watch Case Co., The. (See Mossberg, Herman T., assignor.)
- Wadsworth Watch Case Company, The. (See Parvin, Stanley H., assignor.)
- Wadsworth Watch Case Company, Incorporated, The. (See McFarland, James C., assignor.)
- Wadsworth, Willard, Plainfield, N. J. Portable sprinkler support. 1,959,886; May 22.
- Waechter, Ferdinand F., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Trolley bucket. 1,965,397; July 3.
- Waern, Adolph W., Manistee, Mich. Ash smelter. 1,972,116; Sept. 4.
- Waern, Adolph W., and L. F. Bunde, Wisconsin Rapids, assignors to Nekoosa-Edwards Paper Company, Port Edward, Wis. Waste heat recovery apparatus. 1,971,858; Aug. 28.
- Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit controller. 1,969,488; Aug. 7.
- Wagener, John H. (See Miller, F. C., and Wagener.)
- Wagenfeld, Harry, Philadelphia, Pa. Apron construction. 1,951,380; Mar. 20.
- Wagenhals, William G., assignor to Animated Advertising Displays Inc., Detroit, Mich. Flashing sign. 1,949,519; Mar. 6.

- Wagenhorst, James H., assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich. Demountable wheel. 1,943,151; Jan. 9.
- Wagenhorst, James H., assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich. Making vehicle wheels. 1,979,815; Nov. 6.
- Wagelander, George, Pittsburgh, assignor to McKee Glass Company, Jeannette, Pa. Ignition distributor. 1,966,588; July 17.
- Waggaman, William H. (See Kerschbaum, F. P., Waggaman, and Gooch.)
- Waggaman, William H., assignor, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing nitrogenous fertilizer. 1,944,046; Jan. 16.
- Waggoner, Jacob E., Dayton, Ohio. Cotton picker. 1,953,639; Apr. 3.
- Waggoner, Newell W., Fredericksburg, Iowa. Ignition switch. 1,973,831; Sept. 18.
- Wagler, Karl F. (See Roach, G. A., and Wagler.)
- Wagman, Morris H., Brooklyn, N. Y. Mouth spreader or pocket structure. 1,982,845; Dec. 4.
- Wagner, Albert, Gross-Zschachwitz, near Dresden, Germany, assignor, by mesne assignments, to Dupont Rayon Company, New York, N. Y. Spinning machine for spinning artificial silk. 1,984,853; Dec. 18.
- Wagner, Andrew, Union City, assignor to Furniture Stylists Inc., Hoboken, N. J. Folding tea cart. 1,956,261; Apr. 24.
- Wagner, Benjamin H., Henrietta, N. Y. Ventilator. 1,968,431; July 31.
- Wagner, Carl G., and J. M. Kerr, assignors to Bay City Dredge Works, Bay City, Mich. Steering mechanism. 1,977,218; Oct. 16.
- Wagner, Cary R. (See Osterstrom, R. C., and Wagner.)
- Wagner, Cary R. (See Spiehler, A. F., and Wagner.)
- Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Utilizing natural hydrocarbon gases. 1,976,591; Oct. 9.
- Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Removing salt compounds from crude oil. 1,984,903; Dec. 18.
- Wagner, Charles F., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 1,953,141; Apr. 3.
- Wagner, Charles F., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compensating system. 1,963,182; June 19.
- Wagner, Charles H. (See Robb, J. F., and Wagner.)
- Wagner, Charles P. and W. W., New Orleans, La. Flour saving means for dough brakes. 1,963,005; June 12.
- Wagner, Christian H., Tiffin, Ohio. Bottle cap handle. 1,944,310; Jan. 23.
- Wagner, E. Gilbert S., Lewistown, Pa. Antiskid device. 1,971,286; Aug. 21.
- Wagner Electric Corporation. (See Bebie, J., and Doelling, assignors.)
- Wagner Electric Corporation. (See Brunner, Albert, assignor.)
- Wagner Electric Corporation. (See Bullmer, Andrew, assignor.)
- Wagner Electric Corporation. (See Dick, Burns, assignor.)
- Wagner Electric Corporation. (See Doelling, George L., assignor.)
- Wagner Electric Corporation. (See McCormick, Bradley, assignor.)
- Wagner Electric Corporation. (See Newman, W. J., and Munson, assignors.)
- Wagner Electric Corporation. (See Okenfuss, Wilfred A., assignor.)
- Wagner Electric Corporation. (See Potter, Charles P., assignor.)
- Wagner Electric Corporation. (See Reardon, Earl T., assignor.)
- Wagner Electric Corporation. (See Schnell, S., and Dick, assignors.)
- Wagner Electric Corporation. (See Wulfert, Otto, assignor.)
- Wagner, Frederick H., jr., assignor to American Blower Corporation, Detroit, Mich. Control mechanism for heating and ventilating. 1,962,884; June 12.
- Wagner, Frederick P. (See Brauer, A. J., and Wagner.)
- Wagner, Frederick P., assignor to Brauer Bros. Inc., St. Louis, Mo. Shoe upper material. Des. 93,058; Aug. 14.
- Wagner, George A. (See Wagner, Harold H., assignor.)
- Wagner, George B., assignor to F. R. Mullin, Winchester, Mass. Refrigerating apparatus. 1,970,720; Aug. 21.
- Wagner, Glenn H., Belleville, and W. L. Mowe, Lebanon, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Producing alkali metal pyroarsenates. 1,983,717; Dec. 11.
- Wagner, Gunther. (See Kovacs, Theodor, assignor.)
- Wagner, Harold H., assignor of one-half to G. A. Wagner, Wausau, Wis. Piston. 1,948,405; Feb. 20.
- Wagner, Heinrich. (See Brodersen, K., and Wagner.)
- Wagner, Henry J., Troy, N. Y. Bedpan equipment for mattresses. 1,973,160; Sept. 11.
- Wagner, Henry P. (See Betterton, J. O., Crites, and Wagner.)
- Wagner, Hermann, Soden-on-Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuff and color lakes made therefrom. 1,951,298; Mar. 13.
- Wagner, Hubert H., assignor to Food Machinery Corporation, San Jose, Calif. Boxed product weighing device. 1,965,302; July 3.
- Wagner, Hugh K. (See Clarke, Joseph W., assignor.)
- Wagner, Jacob, Portland, Oreg. Airplane. 1,956,054; Apr. 24.
- Wagner, John A., Decatur, Ill. Ground anchor. 1,964,610; June 26.
- Wagner, John J., Roversford, and P. L. Mowrey, Spring City, Pa. Extendible top structure for tables. 1,969,190; Aug. 7.
- Wagner, Joshua, assignor to Diagonal Corrugated Patent Corporation, Brooklyn, N. Y. Taped paper board. 1,945,624; Feb. 6.
- Wagner, Karl F., Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J. Pressure die-casting machine. 1,962,628; June 12.
- Wagner, Karl F., Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J. Automatic die-casting apparatus. 1,981,380; Nov. 20.
- Wagner, Karl F., Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J. Assuring the safe working of automatic pressure die-casting apparatus. 1,981,381; Nov. 20.
- Wagner, Katharine B., Sidney, Ohio. Open end multiple Chinese slicer. Des. 92,121; Apr. 24.
- Wagner, Ludwig W., San Antonio, Tex., assignor to Ditto Incorporated. Duplicating machine. 1,951,954; Mar. 20.
- Wagner, Matthew, Los Angeles, Calif. Apparatus for making hollow articles. 1,981,131; Nov. 20.
- Wagner, Matthias A., Toledo, Ohio. Bottle container. 1,967,794; July 24.
- Wagner, Paul E., assignor to Hutto Engineering Company, Inc., Detroit, Mich. Tool for grinding or lapping cylindrical bores. 1,981,258; Nov. 20.
- Wagner, Richard I. (See Jablons, E., and Wagner.)
- Wagner, Robert C., Toledo, Ohio, assignor of one-half to Roe Cochran, Erie, Mich. Multiple film printing machine. 1,951,299; Mar. 13.
- Wagner, Robert L., Chatham, N. J., assignor to Oxweld Acetylene Company. Welding torch. 1,944,047; Jan. 16.
- Wagner, Robert L., Astoria, N. Y., assignor to The Linde Air Products Company. Welded joint. 1,980,561; Nov. 13.
- Wagner, Stephan. (See Palkowski, C., and Wagner.)
- Wagner, William, Elyria, Ohio. Expulsion of nicotine from tobacco. 1,984,445; Dec. 18.
- Wagner, Wiltz W. (See Wagner, Charles P. and W. W.)
- Wahiche, Maurice. (See Taylor, Arthur G., assignor.)
- Wahl Company, The. (See Back, Robert, assignor.)
- Wahl Company, The. (See Garvey, Kenneth A., assignor.)
- Wahl Company, The. (See Lungren, Arthur N., assignor.)
- Wahl Company, The. (See Stenersen, Albert H., assignor.)
- Wahl, John. (See Williams, S. T., and Wahl.)
- Wahl, John, Rosedale, assignor to A. Scharder's Son, Incorporated, Brooklyn, N. Y. Indiating coupling. 1,974,476; Sept. 25.
- Wahl, Ottmar, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dye-stuffs derived from cyano acetic acid. 1,950,421; Mar. 13.
- Wahlbeck, John H. (See Prosser, T. W., and Wahlbeck.)
- Wahlberg, John, East Orange, N. J. Game device. 1,970,586; Aug. 21.
- Wahlert, Ernst H., St. Louis, Mo. Automatic polishing block and rig. 1,971,023; Aug. 21.
- Wahlin, Fred. (See Bramsen, S., and Wahlin.)
- Wahlin, Fritz, assignor to Binks Manufacturing Company, Chicago, Ill. Spray head. 1,961,408; June 5.
- Wahlmark, Gunnar A., assignor of one-third to E. J. Svenson and one-third to C. H. Rystrom, Rockford, Ill. Carburetor. 1,979,918; Nov. 6.
- Wahlmark, Gunnar A., assignor of one-third to E. J. Svenson and one-third to C. H. Rystrom, Rockford, Ill. Carburetor. 1,983,255; Dec. 4.
- Wahlsteen, Axel O., assignor to Aktiebolaget Bofors, Bofors, Sweden. Manufacturing hollow objects from ingots having big dimensions. 1,966,602; July 17.
- Wahlstrom, Verner J., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Mold press for cigar machines. 1,977,976; Oct. 23.
- Wahnish, George, New York, assignor of one-fourth to C. M. Blecker, Laurelton, N. Y. Locking device for camera shutter-operating members. 1,965,442; July 3.
- Waide, Merrill, assignor to Natural-Color, Inc., New York, N. Y. Optical system. 1,970,678; Aug. 21.
- Wainwright, Carlyle H. (See Bentley, P. A., Manger, and Wainwright.)
- Wainwright, Herbert, Baldwin, assignor to National Seal Company, Inc., Brooklyn, N. Y. Closure. 1,963,635; June 19.
- Wainwright, James A., and J. W. Harrop, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials. 1,964,098; June 26.
- Wainwright, Jonathan, jr., assignor of one-half to J. H. McNeal, Philadelphia, Pa. Paper milk bottle. 1,968,727; July 31.
- Wainwright, Lawrence, Brooklyn, N. Y. Television method and apparatus. 1,968,977; Aug. 7.
- Waisner, Horace L., assignor to Mechanics Universal Joint Company, Rockford, Ill. Method and apparatus for making propeller shafts. 1,967,487; July 24.

- Wait, Justin F., New York, N. Y. Treating chemicals and apparatus therefor. 1,979,126; Oct. 30.
- Wait, Justin F., Bronx, N. Y. Composition of matter and producing the same. 1,980,119; Nov. 6.
- Wait, Justin F., New York, N. Y. Process and apparatus for fractionation. 1,983,058; Dec. 4.
- Waite Carpet Company. (See Schomer, Henry J., assignor.)
- Waite, Charles C. (See Bender, P. F., and Waite.)
- Waite, Daniel, West Palm Beach, Fla. Shampoo board. 1,966,365; July 10.
- Waite, Frances R., et al. (See Geddes, N. B., and Waite.)
- Waite, Griffin G., and G. W. Lawrence, assignors to Sangamo Company Limited, Toronto, Ontario, Canada. Recording device for meters. 1,947,816; Feb. 20.
- Waite, Harry F., New York, N. Y. Plate changer. 1,945,241; Jan. 30.
- Wakefield, Albert F., assignor to The F. W. Wakefield Brass Co., Vermilion, Ohio. Lamp shade. Des. 92,507; June 12.
- Wakefield, Albert F., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting fixture. 1,963,218; June 19.
- Wakefield, F. W., Brass Company, The. (See Wakefield, Albert F., assignor.)
- Wakefield, F. W., Brass Co. (See Wakefield, Frederick W., assignor.)
- Wakefield, Frederick W., assignor to F. W. Wakefield Brass Co., Vermilion, Ohio. Lighting fixture. 1,969,534; Aug. 7.
- Wakefield, Howard D., Warren, Vt. Trellis. 1,983,956; Dec. 11.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle binder for looms. 1,950,529; Mar. 13.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin release for weft replenishing mechanism. 1,957,118; May 1.
- Wakefield, William, Richmond, near Melbourne, assignor to Overseas Machinery Company Proprietary Limited, Melbourne, Victoria, Australia. Producing binding strips for boxes, crates, and the like. 1,942,735; Jan. 9.
- Waker, Hermann. (See Martin, J. F., and Waker.)
- Waker, Hermann, assignor to United American Bosch Corporation, Springfield, Mass. Container. 1,951,744; Mar. 20.
- Waksmundzka, Maria G., Washington, D. C. Arch lift. Re19,203; June 5.
- Wakstein, Solomon, Boston, Mass. Impact producing device. 1,977,362; Oct. 16.
- Walach, Bruno. (See Scheuing, G., and Walach.)
- Walborn, Arthur L., Reading, Pa. Spreader attachment for trucks. 1,982,773; Dec. 4.
- Walch, Jacob S., Oakland, Calif. Headlight. 1,949,769; Mar. 6.
- Walch, Jacob S., Stockton, Calif. Headlight beam deflector. 1,953,663; Apr. 3.
- Walch, Jacob S., San Francisco, assignor of one-fifth to F. M. Grissel, Stockton, Calif. Headlight. 1,965,869; July 10.
- Walchel, Alfred, assignor to American Steel Foundries, Chicago, Ill. Mold for casting ferrous metals. 1,965,949; July 10.
- Wald, David, Brooklyn, N. Y. Variable condenser. 1,968,108; July 31.
- Wald, George, Mount Clemens, Mich. Radioreceiver. 1,954,004; Apr. 10.
- Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
- Wald Manufacturing Company. (See Pawsat, Ruben L., assignor.)
- Waldau Erik A., Hedemora, Sweden. Connection cable for electric flat-irons, cooking apparatus, and the like. 1,951,890; Mar. 20.
- Walde, Albert H., Roxborough, assignor of one-third to F. T. Ray and one-third to C. C. Williams, Philadelphia, Pa. Cable connector for storage batteries. 1,980,893; Nov. 13.
- Waldeck, Peter C. (See Gambee, James J., assignor.)
- Walder, Emil, Philadelphia, Pa., assignor to National Stamping & Electric Works, Chicago, Ill. Automatically controlled electric toaster. 1,971,058; Aug. 21.
- Walder, Emil, Philadelphia, Pa., assignor to National Stamping & Electric Works, Chicago, Ill. Automatic control for electrical appliances. 1,971,970; Aug. 28.
- Walder, Emil, Philadelphia, Pa., assignor to National Stamping & Electric Works, Chicago, Ill. Electrical heating appliance. 1,971,971; Aug. 28.
- Waldes & Co. (See Puc, Vojtěch, assignor.)
- Waldhier, George M. (See Koestner, G. M., and Waldhier.)
- Waldo, George W., Brooklyn, N. Y. Fuel economizer for carburetor engines. 1,955,661; Apr. 17.
- Waldon, William J., Taft, assignor of one-fourth to J. R. Dorsey, Bakersfield, Calif. Axle puller. 1,959,751; May 22.
- Waldon, William J., Taft, assignor of one-fourth to J. R. Dorsey, Bakersfield, Calif. Bearing extracting device. 1,962,289; June 12.
- Waldorf, Fred, Pittsburgh, Pa., assignor to The Timken Roller Bearing Company, Canton, Ohio. Packing for shaft bearings. 1,957,054; May 1.
- Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
- Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
- Waldorf, Sigmund K. (See Foster, R., and Waldorf.)
- Waldron, Frederic B., Prescott, assignor to Pilkington Brothers Limited, Liverpool, England. Glass polishing tool. 1,946,955; Feb. 13.
- Waldron, Frederic B., Prescott, assignor to Pilkington Brothers Limited, Liverpool, England. Glass grinding apparatus. 1,956,781; May 1.
- Waldron, Frederic B., Prescott, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for scoring and snapping flat glass automatically. 1,972,210; Sept. 4.
- Waldron, John, Corporation. (See Banner, Otto A., assignor.)
- Waldron, John, Corporation. (See Case, Lynn B., assignor.)
- Waldron, John, Corporation. (See Dickhaut, Charles A., assignor.)
- Waldron, John, Corporation. (See Willis, Charles C., assignor.)
- Waldrop, Earl H., and G. M. Petty, Shawnee, Okla. Combination water circulator and feed water heating unit for boilers. 1,984,608; Dec. 18.
- Waldschmidt, Ernst, Berlin, Germany. Producing highly emissive cathodes according to the metallic vapor process. 1,949,094; Feb. 27.
- Wales, George F., Buffalo, N. Y. Method and apparatus for perforating sheet material. 1,955,866; Apr. 24.
- Wales, George F., Kenmore, N. Y. Apparatus for perforating sheet material. 1,964,752; July 3.
- Waldron, Lawrence D., Minneapolis, Minn. Water softener. 1,976,906; Oct. 16.
- Wales, Nathaniel B., New York, N. Y. Brewing device. 1,946,247; Feb. 6.
- Wales, Nathaniel B., New York, N. Y. Coffeepot. 1,982,846; Dec. 4.
- Walgreen Co. (See Bemis, Kenneth E., assignor.)
- Walgreen Co. (See Johnston, Marriott T., assignor.)
- Walinsky, Ossip J., New York, N. Y. Bag. 1,972,576; Sept. 4.
- Walinsky, Ossip J., New York, N. Y. Bag. 1,972,577; Sept. 4.
- Walk-Easy Foot Rest Mfg. Co. (See Closson, Vernon L., assignor.)
- Walker, Albert H., Kaufman, Tex. Change-over apparatus. 1,973,588; Sept. 11.
- Walker, Albert O., Independence, assignor to Tru-Way Manufacturing Company, Kansas City, Mo. Pressure filter. 1,967,070; July 17.
- Walker, Albert S., Yorba Linda, Calif. Thermostatic mixing valves. 1,954,903; Apr. 17.
- Walker, Albert S., Beloit, Wis. Internal combustion engine. 1,968,110; July 31.
- Walker, Alfred P., Jr., Pelham Manor, assignor, by mesne assignments, to Burnham Boiler Corporation, Irvington, N. Y. Electromagnetically operated switch. 1,980,456; Nov. 13.
- Walker, Alonzo H. (See Whitton, C., and Walker.)
- Walker, Angus J., Roxbury, Mass., assignor, by mesne assignments, to General Electric Company. Embedding capacitor. 1,963,568; June 19.
- Walker, Brooks, Piedmont, Calif. Hydraulic power unit. 1,948,951; Feb. 27.
- Walker, Carl A., and L. D. Booth, San Antonio, Tex. Wall board. 1,970,989; Aug. 21.
- Walker, Carroll M. (See Russell, C. A., and Walker.)
- Walker, Carroll M., assignor to Mills Alloys, Inc., Los Angeles, Calif. Scarifier tooth. 1,965,950; July 10.
- Walker Cement Products, Inc. (See Dietrichs, Charles, assignor.)
- Walker, Charles, Knoxville, Tenn. Vending machine. 1,946,370; Feb. 6.
- Walker, Charles, Knoxville, Tenn. Stamp vending machine. 1,946,371; Feb. 6.
- Walker, Charles, Knoxville, Tenn. Combined filling station pump and vending machine. 1,946,372; Feb. 6.
- Walker, Charles B., Banbury, England. Pump. 1,976,642; Oct. 9.
- Walker, Clinton L., Piedmont, Calif. Deep well whipstock. 1,951,638; Mar. 20.
- Walker, Clinton L., Piedmont, Calif. Automobile brake. 1,968,185; July 31.
- Walker, Clinton L., Piedmont, Calif. Collapsible well drilling bit. 1,978,119; Oct. 23.
- Walker, Crawford J., Indianapolis, Ind. Printing machine. 1,954,373; Apr. 10.
- Walker, Dugald E. (See Borg, H. F., and Walker.)
- Walker and Dylvig. (See O'Leary, William J., assignor.)
- Walker, Earl C. (See Engstrom, G. W., Favery, and Walker.)
- Walker, Earl C., Chicago, Ill., assignor to International Harvester Company. Fan and water pump assembly. 1,960,282; May 29.
- Walker, Elliott R., Brooklyn, and C. Roehm, assignors to Corning Fibre Box Corporation, Corning, N. Y. Folding blank box. 1,984,609; Dec. 18.
- Walker, Emery L., Wauwatosa, and A. W. Werner, assignors to Kleckhefer Container Company, Milwaukee, Wis. Feeding and slitting device. 1,963,183; June 19.
- Walker, Eric E. (See Strafford, N., and Walker.)
- Walker, Frank G., Santa Barbara, Calif. Dishwashing machine. 1,977,977; Oct. 23.
- Walker, Frank H. (See MacRill, J. R., and Walker.)
- Walker, Fred G., assignor to Jones Superior Machine Co., Chicago, Ill. Slicing machine. 1,959,184; May 15.

- Walker, George E., Amherst, Va., A. E. Marshall, Scarsdale, N. Y., and H. E. Dunn, Crafton, Pa., assignors to Southern Mineral Products Corporation, New York, N. Y. Purifying phosphates. 1,944,048; Jan. 16.
- Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Apparatus for testing motor vehicles. 1,966,603; July 17.
- Walker, George L., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch tip. 1,971,287; Aug. 21.
- Walker, George L., assignor to Air Reduction Company, Incorporated, New York, N. Y. Making torch tips. 1,975,029; Sept. 25.
- Walker, George M., assignor to M. D. Johnson, Nashville, Tenn. Planting implement. 1,980,562; Nov. 13.
- Walker, Gerald M., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor. 1,945,169; Jan. 30.
- Walker, Glen H., assignor to Shakespeare Company, Kalamazoo, Mich. Eye for artificial baits, lures, toys, and the like. 1,967,692; July 24.
- Walker-Gordon Laboratory Company. (See Luks, Kraemer, assignor.)
- Walker, H. H., Inc. (See Seal, George H., assignor.)
- Walker, Hardie L., Oakland, Calif. Oil well gusher control regulator. 1,978,377; Oct. 23.
- Walker, Hardie L., Oakland, Calif. Oil well gusher control regulator. 1,978,378; Oct. 23.
- Walker, Harold, and M. C. Adams, Rochester, N. Y. Instrument holder. 1,975,303; Oct. 2.
- Walker, Harold B., et al. (See Bodenschatz, August, assignor.)
- Walker, Harold L., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y. Scale. 1,953,664; Apr. 3.
- Walker, Harold W., Hamilton, Ohio, assignor to Pennsylvania Lubricating Company. Preserving wood. 1,943,551; Feb. 27.
- Walker, Harry F., Chicago, Ill. Game apparatus. Des. 91,914; Apr. 3.
- Walker, Harry F., Chicago, Ill. Blow-toy. Des. 92,634; June 26.
- Walker, Henry B., and E. A. Thumert, assignors to The Fairfield Engineering Company, Marion, Ohio. Apparatus for handling material. 1,955,038; Apr. 17.
- Walker, Herbert J., Brooklyn, N. Y. Pipe lining. 1,949,984; Mar. 6.
- Walker, Herbert S. (See Parker, Marshall, assignor.)
- Walker, Herbert W. (See Calcott, W. S., and Walker.)
- Walker, Herbert W. (See Downing, F. B., and Walker.)
- Walker, Herbert W. (See Draves, C. Z., Lubs, and Walker.)
- Walker, Herbert W. (See Lubs, H. A., and Walker.)
- Walker, Herbert W. (See Williams, I., and Walker.)
- Walker, Hervey S. (See Blinn, Glenn E., assignor.)
- Walker, Hervey S., Ardmore, Pa. Outlet fitting. 1,976,817; Oct. 16.
- Walker, Howard G., La Grange, and A. T. March, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Drying fibrous material. 1,956,737; May 1.
- Walker, Hubert, Scholes, England. Combing machine. 1,943,707; Jan. 16.
- Walker, James C. W., St. Louis, Mich. Table. Des. 93,059; Aug. 14.
- Walker, James H., assignor to The Detroit Edison Company, Detroit, Mich. Fluid treating system. 1,948,893; Feb. 27.
- Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Fluid and liquid separation. 1,970,783; Aug. 21.
- Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Liquid and gas separation. 1,970,784; Aug. 21.
- Walker, Joah H., Blackheath, London, England. Self loading and unloading truck. 1,967,166; July 17.
- Walker, John, Westfield, N. J., assignor to International Motor Company, New York, N. Y. Spring mounting. 1,968,109; July 31.
- Walker, John, Westfield, and F. Miller, Elizabeth, N. J., assignors to International Motor Company, New York, N. Y. Fifth wheel connection. 1,966,839; July 17.
- Walker, John C., Eldorado, Kans., assignor to Empire Oil & Refining Company, Bartlesville, Okla. Treatment of wet oil. 1,944,021; Jan. 16.
- Walker, John C., assignor to Empire Oil & Refining Company, Bartlesville, Okla. Removal of oxygen from combustible gases. 1,960,212; May 22.
- Walker, Joseph A., Medford, Oreg. Metal feeder. 1,978,775; Oct. 30.
- Walker, Malcolm and M. M., and G. M. Clark, West Lothian, Scotland. Advertising apparatus and display sign. 1,985,121; Dec. 18.
- Walker, Malcolm M. (See Walker, Malcolm and M. M., and Clark.)
- Walker Manufacturing Company. (See Dearsley, Irwin E., assignor.)
- Walker Manufacturing Co. (See Gunn, Earl G., assignor.)
- Walker Manufacturing Company. (See Mizer, Joseph J., assignor.)
- Walker Manufacturing Company. (See Mizer, J. J., and Dearsley, assignors.)
- Walker Manufacturing Company. (See Walker, Warren H., assignor.)
- Walker Manufacturing Company. (See Walker, Willard T., assignor.)
- Walker, Mark. (See Marvin, C. J., and Walker.)
- Walker, Milton A., San Jose, Calif. Automatic induction relay. 1,962,795; June 12.
- Walker, Nevilles E., Portland, Oreg. Toy aeroplane. 1,972,117; Sept. 4.
- Walker, Noah, and E. H. Davis, Philadelphia, Pa. Pump for oil burners or the like. 1,970,679; Aug. 21.
- Walker, O. S., Company. (See Tracy, Howard E., assignor.)
- Walker, Robert H., Bridgeport, Conn., assignor to Raybestos-Manhattan, Incorporated, Passaic, N. J. Brake drum. 1,974,905; Sept. 25.
- Walker, Robert S., Cleveland, Ohio, assignor to Link-Belt Company. Material screening apparatus. 1,961,467; June 5.
- Walker, Robinson M., Carmel, assignor of one half to G. L. Abbott, Pebble Beach, Calif. Manually operated and electrically latched lock. 1,965,482; July 3.
- Walker, Roland E., assignor to Quabaug Rubber Company, North Brookfield, Mass. Producing variegated articles of plastic material. 1,972,503; Sept. 4.
- Walker, Samuel G., Baltimore, Md., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Apparatus for conditioning grain or the like. 1,945,242; Jan. 30.
- Walker-Turner Company. (See Turner, William B., assignor.)
- Walker, Walter H., New York, N. Y., assignor to Ottawa River Paper Company, Toledo, Ohio. Basket. 1,941,819; Jan. 2.
- Walker, Walter O., and U. Kopsch, assignors to A. O. Smith Corporation, Milwaukee, Wis. Manufacture of acetic acid. 1,976,756; Oct. 16.
- Walker, Walter O., and U. Kopsch, assignors to A. O. Smith Corporation, Milwaukee, Wis. Manufacture of cobaltic acetate. 1,976,757; Oct. 16.
- Walker, Ward C., Battle Creek, Mich. Hose clamp. 1,965,207; July 3.
- Walker, Warren H., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,949,095; Feb. 27.
- Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Apparatus for operating electric switches. 1,961,722; June 5.
- Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Mercury contact device. 1,971,924; Aug. 28.
- Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric switch. 1,984,505; Dec. 18.
- Walker, Willard R., Syracuse, assignor, by mesne assignments, to Delco Appliance Corporation, Rochester, N. Y. Mechanical dishwasher. 1,965,870; July 10.
- Walker, Willard T., assignor to Walker Manufacturing Company, Racine, Wis. Automobile hoist. 1,958,026; May 8.
- Walker, Willard T., assignor to Walker Manufacturing Company, Racine, Wis. Stop mechanism for hoists. 1,960,283; May 29.
- Walker, William A., assignor to The Hendey Machine Company, Torrington, Conn. Dual control for shapers. 1,965,015; July 3.
- Walker, William J. (See Craig, G. E., and Walker.)
- Walker, William J., jr., Philadelphia, Pa. Cigarette. 1,980,563; Nov. 13.
- Walker, William J., Hillside, N. J., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bag frame and fastener therefor. 1,974,382; Sept. 18.
- Walker, Woods S., and T. Forberg, assignors to The Consolidated Gas Company of New York, New York, N. Y. Safety device for gas pilots. 1,980,120; Nov. 6.
- Wall, Charles M. (See Wall, Verne S. and C. M.)
- Wall, George T. (See Crumley, J. A., and Wall.)
- Wall, James L., and P. A. Carter, Washington, Ga. Steam generating apparatus. 1,975,440; Oct. 2.
- Wall, Marion P., assignor to L. B. West, Chattanooga, Tenn. Method of and apparatus for drying materials. 1,961,314; June 5.
- Wall, Matthew J., Jersey City, N. J., assignor to The Linde Air Products Company, New York, N. Y. Welding copper alloys, particularly wrought copper alloys. 1,961,117; May 29.
- Wall, Raymond F., Greenville, Miss. Package wrapper. 1,970,349; Aug. 14.
- Wall, Verne S. and C. M., Curwensville, Pa., assignors to North American Refractories Company, Cleveland, Ohio. Brick transferring apparatus. 1,959,512; May 22.
- Wall, William C. (See Carter, E. B., and Wall.)
- Wall, William H., assignor to A. Wander Limited, London, England. Machine for applying wrapping materials to canisters. 1,962,651; June 12.
- Wallace, A. L., assignor to Metal Hose & Tubing Company, Inc., Brooklyn, N. Y. Hose coupling. 1,974,383; Sept. 18.
- Wallace, Archibald L., Brooklyn, N. Y. Continuous vulcanizer. 1,949,226; Feb. 27.
- Wallace, Archibald L., Brooklyn, N. Y. Gasoline dispensing system. 1,957,398; May 1.
- Wallace, Archibald L., Brooklyn, N. Y. Continuous vulcanizer. 1,977,563; Oct. 16.
- Wallace, Benjamin F., Brooklyn, N. Y. Foundry facing and making same. Re19,396; Dec. 11.
- Wallace, Benjamin F., Brooklyn, N. Y. Foundry facing and making same. 1,955,936; Apr. 24.

- Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,943,402; Jan. 16.
- Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,960,883; May 29.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Signal device. 1,955,616; Apr. 17.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electric motor apparatus. 1,985,357; Dec. 25.
- Wallace, Curtis. (See McMaster, J. W., and Wallace.)
- Wallace, David A., assignor to Chrysler Corporation, Detroit, Mich. Paint stripping device. 1,962,754; June 12.
- Wallace, Earl K. (See Moore, J. R., and Wallace.)
- Wallace, Edwin C., Newton, Mass. Providing roadways with a nonskid surface and product thereof. 1,975,028; Sept. 25.
- Wallace, Frederick J., Brooklyn, assignor to Robeson Process Company, New York, N. Y. Tanning preparations and making. 1,952,642; Mar. 27.
- Wallace, Frederick J., Brooklyn, assignor to Robeson Process Company, New York, N. Y. Manufacture of tanning preparations. 1,952,643; Mar. 27.
- Wallace, George L., Leyden, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Electroplating. 1,948,145; Feb. 20.
- Wallace, Henry A., as Secretary of Agriculture of the United States of America. (See Groggins, P. H., and Nagel, assignors.)
- Wallace, Henry J., Millville, Pa. Pipe connection. 1,953,665; Apr. 3.
- Wallace, Herbert A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,959,072; May 15.
- Wallace, Herbert A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing protection apparatus. 1,960,467; May 29.
- Wallace, J. D., & Co. (See Wallace J. D. and Landis, assignors.)
- Wallace, James D., Washington, D. C. Protecting power amplifier tubes. 1,955,352; Apr. 17.
- Wallace, James D., Washington, D. C. Method and apparatus for measurement of modulation. 1,960,256; May 29.
- Wallace, James D., Washington, D. C. Automatic protection of amplifier tubes. 1,969,341; Aug. 7.
- Wallace, James D., Washington, D. C. Protective circuit for high-frequency oscillator tubes. 1,975,812; Oct. 9.
- Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Hull extracting unit. 1,953,545; Apr. 3.
- Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton huller and cleaner. 1,967,567; July 24.
- Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cleaner drum for cotton ginning machinery. 1,981,575; Nov. 20.
- Wallace, John D., and C. H. Landis, assignors to J. D. Wallace & Co., Chicago, Ill. Mechanical figure for exemplifying the golf swing. 1,983,329; Dec. 4.
- Wallace, John F., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Hydropneumatic strut. 1,949,288; Feb. 27.
- Wallace, John F., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Hydropneumatic shock absorber. 1,967,641; July 24.
- Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorbing strut. 1,967,640; July 24.
- Wallace, John S., St. Paul, Minn. Cooking range and steam generator. 1,976,423; Oct. 9.
- Wallace, John W., assignor to Cincolade Company, Statesville, N. C. Bottle. Des. 92,688; July 3.
- Wallace, Joseph, Brooklyn, N. Y. Fountain pen. 1,943,048; Jan. 9.
- Wallace, Lorene E. (See Wallace, Wayne W., assignor.)
- Wallace, Michael D., McKeesport, Pa. Automatic length controlled sorting machine. 1,945,455; Jan. 30.
- Wallace, Mina, Rockford, Ill. Garment. 1,973,421; Sept. 11.
- Wallace, Morton, Swedesboro, N. J. Cable terminal protector. 1,980,121; Nov. 6.
- Wallace, Orien F., and R. F. Whybark, St. Louis, Mo. Frame corner construction. 1,943,777; Jan. 16.
- Wallace Press, The. (See Wallace, W. F., and Grulee, assignors.)
- Wallace, R., & Sons Manufacturing Company. (See Germain, Amedee J., assignor.)
- Wallace, R., & Sons Manufacturing Company. (See Vasos, John, assignor.)
- Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
- Wallace, Richard E., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Electrotroptical system and transmission. 1,954,969; Apr. 17.
- Wallace, Richard E., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Electrotroptical system. 1,959,044; May 15.
- Wallace & Tiernan Company. (See Baker, John C., assignor.)
- Wallace & Tiernan Company. (See Orchard, William J., assignor.)
- Wallace & Tiernan Company. (See Peet, Gerald D., assignor.)
- Wallace & Tiernan Products, Inc. (See Baker, J. C., and Schmelkes, assignors.)
- Wallace & Tiernan Products, Inc. (See Chambers, Bert C., assignor.)
- Wallace & Tiernan Products, Inc. (See Peet, Gerald D., assignor.)
- Wallace & Tiernan Products, Inc. (See Schmelkes, Franz C., assignor.)
- Wallace & Tiernan Products, Inc. (See Tanner, Harry L., assignor.)
- Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)
- Wallace & Tiernan Products, Inc. (See Warren, J. P., and Beensen, assignors.)
- Wallace, Walter F., Winnetka, and L. K. Grulee, Evans-ton, assignors to The Wallace Press, Chicago, Ill. Offset printing method. 1,943,645; Jan. 16.
- Wallace, Wayne W., Columbus, assignor of one-half to L. E. Wallace, Cleveland, Ohio. Clothesline support. 1,960,607; May 29.
- Wallace, William, Edinburgh, Scotland, assignor to The Variable Speed Gear Limited, Newcastle-upon-Tyne, England. Control gear for variable delivery pumps. 1,947,540; Feb. 20.
- Wallach, Roger N., Briarcliff Manor, N. Y., assignor, by mesne assignments, to Sylvania Industrial Corporation, Fredericksburg, Va. Packet of sheet and decorative material and the like. 1,960,962; May 29.
- Wallach, Roger N., Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Marked material and its manufacture. 1,968,625; July 31.
- Wallbank, Wilbur C., assignor to Chicago Carton Company, Chicago, Ill. Display carton. 1,974,552; Sept. 25.
- Wallbillich, Anthony, Hollis, N. Y., assignor to The Leviton Manufacturing Company, Inc. Electric lamp socket. 1,971,359; Aug. 28.
- Wallbillich, Anthony F., Hollis, assignor to Leviton Manufacturing Company, Inc., Brooklyn, N. Y. Snap switch. 1,977,705; Oct. 23.
- Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Electroresponsive device. 1,947,236; Feb. 13.
- Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Circuit interrupter. 1,971,205; Aug. 21.
- Waller, Anthony C. E., Edgewood, R. I. Safety catch for pin stems. 1,959,802; May 22.
- Waller, Arthur. (See Galter, J., and Waller.)
- Waller, Charles W., Chicago, Ill. Vertical lift flying machine. 1,984,292; Dec. 11.
- Waller, James H., de W., assignor to Nofrago Limited, Dublin, Irish Free State. Building with cementitious material applied to vegetable fabrics. 1,955,716; Apr. 17.
- Waller, Lee R., Lachine, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,954,967; Apr. 17.
- Wallerius, Abel O., Laramie, Wyo. Geometrical instrument. 1,948,952; Feb. 27.
- Wallerstein Company, Inc. (See Wallerstein, L., and Pfannmuller, assignors.)
- Wallerstein, Leo, New York, and J. Pfannmuller, Staple-ton, assignors to Wallerstein Company, Inc., New York, N. Y. Depilating hides. 1,985,267; Dec. 25.
- Wallgren, August G. F., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 1,942,194; Jan. 2.
- Wallgren, August G. F., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 1,946,652; Feb. 13.
- Wallgren, August G. F., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Bearing and manufacture thereof. 1,973,131; Sept. 11.
- Wallichs, Adolf, and H. Opitz, Aachen, Germany. Measuring instrument. 1,972,578; Sept. 4.
- Wallin, Cajs-Marie. (See Wallin, Ernst H., assignor.)
- Wallin, Ernst H., assignor to Cajs-Marie Wallin, Arvika, Sweden. Sleeping bag. 1,971,469; Aug. 28.
- Walling, Ralph R., assignor to Champion Sheet Metal Company, Inc., Cortland, N. Y. Method of and apparatus for reforestation. 1,972,281; Sept. 4.
- Wallis, Barnes N., assignor to Vickers (Aviation) Limited, Weybridge, England. Apparatus for assembling and securing bracing members on tubular members constituting the spars of aircraft or other structures. 1,956,480; Apr. 24.
- Wallis, Barnes N., assignor to Vickers (Aviation) Limited, Weybridge, England. Cantilever wing for aircraft. 1,967,795; July 24.
- Wallis, Barnes N., assignor to Vickers (Aviation) Limited, Weybridge, England. Construction of wings for aircraft. 1,985,649; Dec. 25.
- Wallis, Clarence H., Ellwood City, Pa., assignor to National Tube Company. Tube drawing apparatus. 1,951,073; Mar. 13.
- Wallis, Cyril T., and N. O. Marquart, assignors to Delco Appliance Corporation, Rochester, N. Y. Magnetic speedometer. 1,980,019; Nov. 6.
- Wallis, John S. (See Titus, H. J., and Wallis.)
- Wallis, John S., assignor to Foster Wheeler Corporation, New York, N. Y. Oil refining. 1,945,581; Feb. 6.
- Wallis, John S., assignor to Alco Products, Incorporated, New York, N. Y. Fractionating vapors. 1,947,817; Feb. 20.
- Wallis, John S., assignor to Foster Wheeler Corporation, New York, N. Y. Oil distillation. 1,951,497; Mar. 20.

- Wallis, John S., assignor to Alco Products, Incorporated, New York, N. Y. Fractionating tower stripper construction. 1,953,735; Apr. 3.
- Wallis, John S., assignor to Alco Products, Incorporated, New York, N. Y. Tube still and furnace construction. 1,958,732; May 15.
- Wallis, John S., New York, and H. C. Schutt, Mount Vernon, assignors to Alco Products, Incorporated, New York, N. Y. Rerunning pressure distillate. 1,952,225; Mar. 27.
- Wallis, Theodor, Dessau-Ziebigk-in-Anhalt, O. Falek, Wiederitzsch, near Leipzig, and P. Virck, Dessau-in-Anhalt, assignors to L. G. Farbenindustrie, Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Protection of animal fibers against the effects of alkaline or acid mediums. 1,964,934; July 3.
- Wallmann, Carl, F. Halbrock, and E. Kumpmann, Mulheim-on-the-Ruhr, Germany. Process for the production of age-resisting iron and steel. 1,970,067; Aug. 14.
- Wallman, Carl B., Detroit, Mich. Punch retainer. 1,979,059; Oct. 30.
- Wallner, Lloyd H. (See Wentworth, C. H., and Wallner.)
- Walls, Lowell D., Bloomington, assignor to Indiana Limestone Company, Bedford, Ind. Stone fluting and molding attachment. 1,945,471; Jan. 30.
- Wallsten, Walfrid A. (See Johnson, P. R., Statz, and Wallsten.)
- Wallsten, Walfrid A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Spool stand. 1,984,712; Dec. 18.
- Walmsley, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding machine. 1,956,840; May 1.
- Walmsley, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Electromagnetic holding device for facilitating welding operations. 1,956,841; May 1.
- Walsh, Carroll H. (See Pittman, R. R., and Walsh.)
- Walsh, Carroll H., Pine Bluff, Ark. Wood-pole roof. 1,973,861; Sept. 18.
- Walsh, Daniel J. (See Witham, G. S., jr., and Walsh.)
- Walsh, Harry C. H., Chicago, Ill. Safety device for die presses. 1,970,262; Aug. 14.
- Walsh, Harry C. H., and E. H. Hall, Chicago, Ill. Power press control. 1,947,892; Feb. 20.
- Walsh, Hazel B., Lansing, Mich. Apparatus for teaching music. 1,947,686; Feb. 20.
- Walsh, Henry J., Long Island City, N. Y. Bat. 1,946,373; Feb. 6.
- Walsh, James A., and N. R. Krause, assignors to J. I. Case Company, Racine, Wis. Harvester. 1,945,009; Jan. 30.
- Walsh, James F. (See Stevens, J. H., and Walsh.)
- Walsh, James F., South Orange, N. J., assignor to Celuloid Corporation. Wood filler. 1,947,438; Feb. 13.
- Walsh, James F., South Orange, N. J., assignor to Celuloid Corporation. Producing sheets of cellulosic plastic. 1,951,853; Mar. 20.
- Walsh, James F., South Orange, and A. F. Caprio, Newark, N. J., assignors to Celuloid Corporation. Cementing agent for cellulosic plastics. 1,950,954; Mar. 13.
- Walsh, James F., Newton Center, and J. V. MacDonough, Watertown, Mass. assignors, by mesne assignments, to American Maize-Products Company. Zein compositions and preparing same. 1,966,604; July 17.
- Walsh, James F., South Orange, N. J., and A. J. Steinberger, Jamaica, N. Y., assignors to Celuloid Corporation. Shoe heel. 1,973,785; Sept. 18.
- Walsh, James F., South Orange, and K. Flynn, East Orange, N. J., assignors to Celuloid Corporation. Composition for noninflammable cellulosic film. 1,981,132; Nov. 20.
- Walsh, John E., Chicago, Ill. Separable cellular carton. 1,942,910; Jan. 9.
- Walsh, John E., assignor to Self-Locking Carton Company, Chicago, Ill. Egg carton. 1,948,322; Feb. 20.
- Walsh, John J., Yonkers, N. Y. Folding duplex flash light. 1,974,294; Sept. 18.
- Walsh, John J., Philadelphia, Pa., assignor to The Stratmore Company, Cleveland, Ohio. Abrasive apparatus. 1,952,003; Mar. 20.
- Walsh, Lincoln, Elizabeth, assignor to Hazeltine Corporation, Jersey City, N. J. Coupling system. 1,942,786; Jan. 9.
- Walsh, Louis J., Belmont, Mass. Process of and apparatus for the development of volatiles from hydrocarbon substances. 1,955,264; Apr. 17.
- Walsh, Michael E., Chicago, Ill. Fish lure. 1,972,697; Sept. 4.
- Walsh, Ralph W., Los Angeles, Calif. Charting device. 1,942,075; Jan. 2.
- Walsh, Raymond C. (See Malm, J. C., and Walsh.)
- Walsh, William J., Brooklyn, N. Y. Adhesive applicator. 1,959,774; May 22.
- Walsoe, Sigurd L., Springdale, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,964,801; July 3.
- Walston, Frank E., Ashland, Ky. Animal house. 1,973,029; Sept. 11.
- Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Collapsible container. 1,964,099; June 26.
- Walten, Max, Washington, D. C. Metal flashing. 1,953,841; Apr. 3.
- Walten, Max, and D. M. Owens, Washington, D. C. Roofing. 1,974,351; Sept. 18.
- Walter, Allen D., East Cleveland, assignor to The Ohio Electric Mfg. Co., Cleveland, Ohio. Bearing lubrication. 1,982,937; Dec. 4.
- Walter, B., & Company. (See Walter, Frederick B., assignor.)
- Walter, Carl, Barmen, Germany. Nonreversing hand crank. 1,943,230; Jan. 9.
- Walter, Carl, Barmen, assignor to the firm Pfingstmann-Werke Aktiengesellschaft, Recklinghausen-Süd, Germany. Boiler bearing cage. 1,951,042; Mar. 13.
- Walter, Charles T. (See Henney, G. R., and Walter.)
- Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 1,942,991; Jan. 9.
- Walter, Charles T., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 1,950,550; Mar. 13.
- Walter, Charles T., assignor to Swift and Company, Chicago, Ill. Packing meat. 1,950,763; Mar. 13.
- Walter, Charles T., assignor to Swift and Company, Chicago, Ill. Holder. 1,952,644; Mar. 27.
- Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 1,957,623; May 8.
- Walter, Charles T., assignor to Swift and Company, Chicago, Ill. Container and making same. 1,959,971; May 22.
- Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Branding means. 1,967,488; July 24.
- Walter, Charles T., assignor to Swift and Company, Chicago, Ill. Feeding device. 1,973,919; Sept. 18.
- Walter, Felix. (See Weibezahn, K., and Walter.)
- Walter, Frank. (See Milner, E., and Walter.)
- Walter, Frederick B., assignor to B. Walter & Company, Inc., Washash, Ind. Extension table top equalizer. 1,964,490; June 26.
- Walter, George E. (See Lyons, P. D., and Walter.)
- Walter, Georges, La Gordanne, Perroy, assignor to the firm "Superbeton Société Anonyme", Zurich, Switzerland. Vibrating centrifugal mold. 1,954,904; Apr. 17.
- Walter, Gustave, Jersey City, N. J. Clamp. 1,973,238; Sept. 11.
- Walter, Hans, Berlin-Charlottenburg assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Method and device for determining the properties of stratified or fibrillated materials. 1,984,166; Dec. 11.
- Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Stapling machine. 1,946,773; Feb. 13.
- Walter, Hellmuth, Berlin-Johannisthal, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel, Gaarden, Germany. Rotary piston engine. 1,953,695; Apr. 3.
- Walter, Henry C., Beloit, Wis., and W. L. Nies assignors to Fairbanks, Morse & Co., Chicago, Ill. Electric power generating machine. 1,983,718; Dec. 11.
- Walter, Hollis, Baldwin, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Monorail car and the like. 1,947,119; Feb. 13.
- Walter, John, Kitchener, Ontario, Canada. Knob for radio control shafts. 1,954,062; Apr. 10.
- Walter, John E. (See Radke, A. E., and Walter.)
- Walter, Louis J., New York, N. Y. Advertising novelty. 1,964,273; June 26.
- Walter, Maurice, assignor to Walter Motor Truck Company, New York, N. Y. Differential gearing for motor vehicles. 1,941,645; Jan. 2.
- Walter, Morley C., Minneapolis, Minn. Electrical marking device. 1,943,100; Jan. 9.
- Walter Motor Truck Company. (See Walter, Maurice, assignor.)
- Walter, Otto, Perrysville, Ind. Tile anchoring clip. 1,975,304; Oct. 2.
- Walter, Ralph E. (See Fisher, O. W., Walter, and White.)
- Walter, Richard R., Starnberg, Germany. Sintered alloy. 1,961,468; June 5.
- Walter, William H., Cynwyd, Pa. Making molds. 1,942,583; Jan. 9.
- Walter, William P., Massillon, Ohio. Truss. 1,981,157; Nov. 20.
- Walters, George C., jr., Flagstaff, Ariz. Propeller. 1,966,366; July 10.
- Walters, George M., Glendale, Calif., assignor to Motoflex, Inc. Camera. 1,963,107; June 19.
- Walters, Herbert, Detroit, Mich. Ground contact for vehicles. 1,976,154; Oct. 9.
- Walters, James P., Pilot Mountain, N. C. Combination furniture. 1,984,506; Dec. 18.
- Walters, Louis G., assignor to Electrographic Corporation, New York, N. Y. Coating for stereotype matrices. 1,974,477; Sept. 25.
- Walters, Rollo F., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Joint strip. 1,963,814; June 19.
- Walters, Rollo F., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener secured installation. 1,970,785; Aug. 21.
- Walters, Theodore, Kintnersville, Pa., assignor to George W. Swift, Jr. Inc., Bordentown, N. J. Paper cup molding machine. 1,966,471; July 17.
- Walters, Walter B., San Antonio, Tex. Automatic gas cut-off. 1,963,452; June 19.
- Waltham Watch Company. (See Balzer, Werner H., assignor.)

- Waltham Watch Company. (See Fink, Jean, assignor.)
 Waltham Watch Company. (See Toney, George W., assignor.)
 Walther, George, near Dayton, Ohio. Metal wheel. 1,984,048; Dec. 11.
 Walther, George, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 1,972,610; Sept. 4.
 Walther, George, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. 1,953,321; Apr. 3.
 Walther, George, Montgomery County, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 1,954,772; Apr. 10.
 Walther, George, G. A. Baker and H. Baker, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Interchangeable wheel mounting. 1,945,388; Jan. 30.
 Walther, Herbert R., Chicago, Ill. Lock for burglar alarm. 1,969,388; Aug. 7.
 Walther, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Ignition distributor for internal combustion engines. 1,953,913; Apr. 3.
 Walther, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto-electric ignition apparatus. 1,957,399; May 1.
 Walther, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto. 1,962,728; June 12.
 Walther, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto ignition apparatus. 1,981,638; Nov. 20.
 Walther, Wilhelm, Stuttgart, and H. Bischoff, Stuttgart-Botnang, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto ignition apparatus. 1,943,249; Jan. 9.
 Walther, Wilhelm, Stuttgart, and A. Grob, Cannstatt, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Interrupter for ignition systems. 1,964,697; June 26.
 Walther, Wilhelm, Stuttgart, and A. Grob, Cannstatt, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Double ignition for internal combustion engines. 1,964,698; June 26.
 Wälti, Heinrich, Winterthur-Wulfingen, assignor to the firm Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Power transmission mechanism. 1,961,679; June 5.
 Walton, Albert, Springfield, assignor to Old Colony Envelope Company, Westfield, Mass. Truck. 1,970,990; Aug. 21.
 Walton, Allen, Cheney, Wash. Ratchet wrench. 1,970,721; Aug. 21.
 Walton, Arthur, Salt Lake City, Utah. Amusement device. 1,970,068; Aug. 14.
 Walton, Charles D., W. E. Crooks, and F. T. Small, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus for handling textile yarns. 1,978,826; Oct. 30.
 Walton, Charles M., Baton Rouge, La. Pendulum level. 1,962,045; June 5.
 Walton, Eston A., San Francisco, Calif. Drinking glass. Des. 92,218; May 8.
 Walton, Eston A., San Francisco, Calif. Drinking glass. Des. 92,219; May 8.
 Walton George W., Dallas, Tex. Counterweighted pitman. 1,943,906; Jan. 16.
 Walton, George W., Dallas, Tex. Valve. 1,947,071; Feb. 13.
 Walton Products Company. (See Tickel, Charles W., assignor.)
 Walton, Robert C., and H. T. Gudgen, Coffeyville, Kans. Expansion joint. 1,947,072; Feb. 13.
 Walton, Samuel F., Hamburg, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Nonweathering glazed aggregate and preparing the same. Re19,372; Nov. 13.
 Walton, Samuel F., Hamburg, assignor to The Exolon Company, Bladell, N. Y. Turbulent radiant combustion chamber. 1,970,529; Aug. 14.
 Waltz, Anton F., Flushing, assignor to E. N. Dollin, Malba, N. Y. Die-casting apparatus. 1,981,888; Nov. 27.
 Waltz, Foster V., St. Louis, Mo. Double reading counterpoise for weighing scales. 1,954,230; Apr. 10.
 Walworth Patents Inc. (See Bard, Francis N., assignor.)
 Walworth Patents Inc. (See Martin, Jesse C., jr., assignor.)
 Walworth Patents Inc. (See Martin, J. C., jr., and Bard, assignors.)
 Walz, Franc C. (See Pietenpol, W. B., and Walz.)
 Wamelink, Eugene C., Cleveland, Ohio. Container for cigarettes. 1,960,468; May 29.
 Wamhoff, William F., Emblem, Wyo., assignor to International Harvester Company. Seed dispensing device. 1,944,381; Jan. 23.
 Wampler, A. J. (See Harban, S. J., and Holcomb, assignors.)
 Wampler, Roy W. (See Watkins, G. B. and Wampler.)
 Wampler, Roy W., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Safety glass. 1,963,569; June 19.
 Wanamaker, Ernest, Chicago, Ill. Pulley. 1,959,972; May 22.
 Wanamaker, Harry F. (See Merrigan, W. J., jr., Tiers, and Wanamaker.)
 Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Clamp for hosiery driers. 1,957,376; May 1.
 Wanatik, Samuel H., assignor of one-half to J. Laufe, Pittsburgh, Pa. Hanger. 1,954,720; Apr. 10.
 Wander, A., Limited. (See Wall, William H., assignor.)
 Wandersleb, Ernst, assignor to the Firm Carl Zeiss, Jena, Germany. Stereoscopic rangefinder for photographic purposes. 1,985,067; Dec. 18.
 Wandscheer, Geritt, Sioux Center, Iowa. Corn husker. 1,976,869; Oct. 16.
 Wandschneider, Carl S. (See Shodron, J. G., Olson, and Wandschneider.)
 Wane, Victor, Gardena, Calif. Tank gauge. 1,963,919; Aug. 7.
 Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Slitting machine. 1,949,066; Feb. 27.
 Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable speed drive. 1,984,507; Dec. 18.
 Wang, Raymond H., Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Header and forming the same. 1,964,100; June 26.
 Wangen, Elmer M., Duluth, Minn. Card and envelope supporting tray. 1,981,294; Nov. 20.
 Wangerin, Elmer O. (See Young, D. A., Wangerin, and Hopkins.)
 Wanner, Harry C., Chicago, Ill. Motor vehicle assembly. 1,970,156; Aug. 14.
 Wantz, Clarence, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Oven heat control. 1,971,801; Aug. 28.
 Wantz, Julius B., River Forest, Ill. Golf club. 1,982,087; Nov. 27.
 Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Circuit for X-ray multiple tube stands. 1,950,531; Mar. 13.
 Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray apparatus. 1,950,764; Mar. 13.
 Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray apparatus. 1,957,436; May 8.
 Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Control of inverse voltage. 1,963,160; June 19.
 Wantz, Julius B., assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray table. 1,958,555; May 15.
 Wanvig, John D., jr. (See Appel, G. C., Vicarey, and Wanvig, jr.)
 Waples, Robert M. (See Hubbard, C. R., and Waples.)
 Wappes, Hanns. (See Fikentscher, H., Wappes, Eiffaender, Schoeller, and Schneevoigt.)
 Wappes, Hanns, and H. Klingenberg, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of adhesives. 1,959,185; May 15.
 Wappler Electric Company. (See Payer, Charles, assignor.)
 Wappler Electric Company. (See Larsen, Carl J., assignor.)
 Wappler Electric Company, Inc. (See Fayer, Charles, assignor.)
 Wappler Electric Company, Inc. (See Mutscheller, Arthur, assignor.)
 Wappler, Frederick C., New York, N. Y. Surgical resection. 1,952,617; Mar. 27.
 Wappler, Frederick C., New York, N. Y. Distinctively marking commodities. 1,959,699; May 22.
 Wappler, Frederick C., New York, N. Y. High frequency apparatus. 1,962,796; June 12.
 Wappler, Frederick C., New York, N. Y. Endoscopic instrument and electrode element therefor. 1,963,636; June 19.
 Wappler, Frederick C., New York, N. Y. Surgical electrode. 1,967,015; July 17.
 Wappler, Frederick C., New York, N. Y. Instrument for electrosurgical resection. 1,971,024; Aug. 21.
 Wappler, Frederick C., administrator. (See Wappler, Reinhold H., assignor.)
 Wappler, Reinhold H., deceased, Yonkers, N. Y.; F. C. Wappler, administrator of said R. H. Wappler. Penetrated endoscopic instrument and obturator therefor. 1,969,342; Aug. 7.
 Warburton, Fred. (See Higgitt, H. V., and Warburton.)
 Ward, Alan C., Ada, assignor to W. C. Ward, Warren, Ohio. Centrifugal clutch. 1,946,824; Feb. 13.
 Ward, Albert N. (See Madge, E. W., and Ward.)
 Ward, Alger L., Drexel Hill, and C. W. Jordan Paoli, assignor to The United Gas Improvement Company, Philadelphia, Pa. Gas purification. 1,976,704; Oct. 9.
 Ward Baking Company. (See Diamon, J. J., Tinsman, and Scott, assignors.)
 Ward, Bruce R., Presque Isle, Maine. Log for cabins and the like. 1,942,348; Jan. 2.
 Ward, Charles E., Odell, Ill. Propulsion device for boats. 1,945,210; Jan. 30.
 Ward, Clarence F., Birmingham, Ala. Attachment for tractor cranes. 1,943,196; Jan. 9.
 Ward, Clarence F., Birmingham, Ala. Extension water tower. 1,966,324; July 10.

- Ward, David R., deceased, Struthers; H. B. Ward, administratrix, assignor to H. B. Ward, individually, Cleveland, Ohio. Coated sheet and producing same. 1,985,332; Dec. 25.
- Ward, Edward, Wewoka, Okla. Oil sand protector. 1,981,158; Nov. 20.
- Ward, Edwin J., and R. H. Griffiths, Akron, Ohio., assignors to The B. F. Goodrich Company, New York, N. Y. Battery container. Des. 93,366; Sept. 18.
- Ward, Frederick A., assignor to The Gear Grinding Machine Company, Detroit, Mich. Machine for grinding gears. 1,976,818; Oct. 16.
- Ward, George P. (See Gregory, H. G., and Ward.)
- Ward, Gilbert J., assignor to Cheesman-Elliott Co. Inc., Brooklyn, N. Y. Impregnated fibrous block. 1,941,769; Jan. 2.
- Ward, Harry A., Shreveport, La. Gas and fluid separator. 1,947,366; Feb. 13.
- Ward, Helen B., administratrix. (See Ward, David R.)
- Ward, Jacob G., et al. (See Anderlick, John J., assignor.)
- Ward, James J., St. Louis, Mo. Furnace construction. 1,968,186; July 31.
- Ward, John S., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Core for building superballoon tires. 1,952,399; Mar. 27.
- Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Window screen. 1,968,510; July 31.
- Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Window screen. 1,975,739; Oct. 2.
- Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Traverse roller for Venetian blinds. 1,978,152; Oct. 23.
- Ward Leonard Electric Company. (See Boden, Walter A., assignor.)
- Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
- Ward, Marshall H., Brooklyn, N. Y. Method of and apparatus for shaping metal. 1,951,381; Mar. 20.
- Ward, Marshall H., Fairfield, Conn. Method of and apparatus for corrugating metallic tubes. 1,984,002; Dec. 11.
- Ward, Neil C., assignor to Anderson-Tully Company, Memphis, Tenn. Treatment of material containing cellulose. 1,958,376; May 8.
- Ward, Neil C., Chicago, Ill., assignor to Anderson-Tully Company, Memphis, Tenn. Article of manufacture. 1,984,854; Dec. 18.
- Ward, Paul, Nashville, Tenn. Combination tool. 1,983,256; Dec. 4.
- Ward, Philip P. (See Charman, W. M., and Ward.)
- Ward, Verne M., Cornell, Calif. Fluid pressure brake. 1,954,158; Apr. 10.
- Ward, W. C. (See Ward, Alan C., assignor.)
- Ward, Walter J., Lakewood, C. E. Bauerle, Cleveland, and F. H. Dalrymple, Bedford, Ohio. Inspection apparatus. 1,947,142; Feb. 13.
- Warden, Henry I., St. Joseph, Mich. Licensing of motor vehicles. 1,955,569; Apr. 17.
- Warden, James C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Tire bead and making tires. 1,969,438; Aug. 7.
- Warden King Limited. (See McGrail, Thomas E., assignor.)
- Wardenburg, Bernhard G., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Indicator. 1,945,456; Jan. 30.
- Warder, Leicester P., and H. P. Manley, Johannesburg, Union of South Africa. Parcel rack. 1,946,374; Feb. 6.
- Wardley, Thomas, Greenford, England, assignor to Hartford-Empire Company, Hartford, Conn. Forehearth for glass melting furnaces and conditioning molten glass. 1,970,113; Aug. 14.
- Wardwell Braiding Machine Company. (See Bardsley, Willard W., assignor.)
- Wardwell, William E. (See Brown, P., and Wardwell.)
- Wardwell, William E., assignor to Brown Company, Berlin, N. H. Method of and apparatus for unwinding strand material from a spool. 1,962,974; June 12.
- Ware, Elmer G., Taft, Calif. Flow control apparatus for wells. 1,957,119; May 1.
- Ware, Herbert M., South Croydon, England. Joining flexible sheet material. 1,958,455; May 15.
- Ware, Raymond, Hamilton, N. Y. Piston rod for radial engines. 1,956,886; May 1.
- Ware, Richard P., Detroit, Mich. Container. 1,950,582; Mar. 13.
- Ware, Richard P., assignor to Package Improvement Company, Inc., Detroit, Mich. Container end constructions. 1,943,568; Jan. 16.
- Ware, Richard P., assignor to Package Improvement Company, Inc., Detroit, Mich. Container and package construction. 1,952,693; Mar. 27.
- Ware, Robert R., assignor to Chicago Roller Skate Company, Chicago, Ill. Roller. 1,943,881; Jan. 16.
- Ware, Rodney B., Scituate, Mass. Drafting device or utility. 1,945,987; Feb. 6.
- Ware, Walter C., assignor to Evans Stamping and Plating Company, Taunton, Mass. Reversing mechanism. 1,955,662; Apr. 17.
- Ware, Walter C., and C. J. Robertson, assignors to Evans Stamping and Plating Company, Taunton, Mass. Reversing mechanism. 1,942,318; Jan. 2.
- Waream, Charles E., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Safety lock for rotating cylinders. 1,964,144; June 26.
- Wareing, Joseph, Buffalo, N. Y., assignor of one-half to N. Combs. Clothespin. 1,963,588; June 19.
- Warfield, Kenneth B. (See Warfield, Lottie M., and K. B.)
- Warfield, Lottie M. and K. B., Artesia, Calif. Disappearing water ballet device. 1,963,815; June 19.
- Warford Corporation, The. (See Morgan, Guy, assignor.)
- Waring, Charles E. (See Malm, C. J., and Waring.)
- Waring, Charles E. (See Staud, C. J., and Waring.)
- Waring, Olaf I., Flushing, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Seal for containers and producing the same. 1,966,273; July 10.
- Waring, Robert W. (See Blumberg, H. S., and Waring.)
- Wark, Nikolaus. (See Eichenberg, G., and Wark.)
- Warmisham, Arthur, assignor to The Bell & Howell Company, Chicago, Ill. Optical system. 1,947,668; Feb. 20.
- Warmisham, Arthur, Evanston, assignor to The Bell & Howell Company, Chicago, Ill. Optical projection apparatus. 1,952,522; Mar. 27.
- Warmisham, Arthur, Evanston, assignor to The Bell & Howell Company, Chicago, Ill. Optical device. 1,964,968; July 3.
- Warmisham, Arthur, Evanston, assignor to The Bell & Howell Company, Chicago, Ill. Binocular. 1,965,755; July 10.
- Warmisham, Arthur, assignor to Kapella Limited, Leicester, England. Photographic and projection lens. 1,955,617; Apr. 17.
- Warmisham, Arthur, Evanston, and I. Cisski, assignors to The Bell & Howell Company, Chicago, Ill. Lens of variable equivalent focal length. 1,947,669; Feb. 20.
- Warmuth, William S., assignor of one-fourth to A. B. Robbins, Connellsville, Pa. Cap for containers. 1,977,537; Oct. 16.
- Warner, Arthur P., Beloit, assignor to Warner Electric Brake Corporation, South Beloit, Wis. Electromagnetic friction device. 1,973,551; Sept. 11.
- Warner, Arthur P., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Electromagnetic friction device. 1,981,208; Nov. 20.
- Warner, Arthur W., Media, Pa., assignor to Isbell Porter Company, Newark, N. J. Coking retort. 1,985,304; Dec. 25.
- Warner, Bertha H. (See Warner, Charles F., assignor.)
- Warner Bros. Pictures, Inc. (See Ball, George N., assignor.)
- Warner Bros. Pictures, Inc. (See Berkeley, Busby, assignor.)
- Warner Bros. Pictures, Inc. (See Gibbons, James A., assignor.)
- Warner Bros. Pictures, Inc. (See Hadlock, Arthur, assignor.)
- Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)
- Warner Bros. Pictures, Inc. (See Koenekamp, Hans F., assignor.)
- Warner Bros. Pictures, Inc. (See Spray, Joseph H., assignor.)
- Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
- Warner, Charles F., assignor of one-half to B. H. Warner, Lancaster, Pa. Shock absorber for motor cars and other vehicles. 1,970,208; Aug. 14.
- Warner, Charles L., Milford, assignor to Baird-Warner, Incorporated, Bridgeport, Conn. Oil burner control. 1,960,519; May 29.
- Warner Chemical Company, The. (See Coleman, John H., assignor.)
- Warner, Donald F., Lynn, Mass., assignor to General Electric Company. Method of and arrangement for regulating evaporators and like apparatus, particularly in connection with elastic fluid turbine plants. 1,974,976; Sept. 25.
- Warner, Douglas K., Watkins Glen, N. Y. Barometric condenser. 1,957,414; May 1.
- Warner, Douglas K., Watkins Glen, N. Y. Device for utilizing and distributing frozen brine. 1,960,764; May 29.
- Warner, Douglas K., Bristol, Conn. Air conditioning with ground cooling and solar heat. 1,957,624; May 8.
- Warner, Edgar. (See Scott, H. B., and Warner.)
- Warner, Edgar T., and A. Ousdahl, Seattle, Wash., assignors, by mesne assignments, to H. M. Brooks, New York, N. Y., W. Tudor, Gardiner, Augusta, Maine, and R. K. Hawes, as trustees, Fall River, Mass. Automatic stoker. 1,960,835; May 29.
- Warner, Edward M., Boston, Mass. Headlight. 1,961,836; June 5.
- Warner Electric Brake Corporation. (See Cadman, Addi B., assignor.)
- Warner Electric Brake Corporation. (See Leveen, Swan.)
- Warner Electric Brake Corporation. (See Meyer, Arthur A., assignor.)
- Warner Electric Brake Corporation. (See Warner, Arthur P., assignor.)
- Warner Electric Brake Corporation. (See Whyte, John, assignor.)
- Warner, Franklin E., Seattle, Wash. Folding fruit box. 1,948,083; Feb. 20.
- Warner, Frederick H., Ipswich, England. Float controlled valve. 1,943,569; Jan. 16.
- Warner Gear Company. (See Davis, Ernest F., assignor.)
- Warner Gear Company. (See Fadely, James M., assignor.)

- Warner Gear Company. (See Fishburn, Otto E., assignor.)
 Warner Gear Company. (See Fishburn, O. E., and Robbins, assignors.)
 Warner Gear Company. (See Hedgeland, Marley C., assignor.)
 Warner Gear Company. (See Simpson, John M., assignor.)
 Warner, George C. (See Vogel, J. A., and Warner.)
 Warner, Jack M., Beverly Hills, Calif. Motion picture camera support. 1,972,000; Aug. 28.
 Warner, Jerome, Buffalo, N. Y. Display box. 1,980,776; Nov. 13.
 Warner, Jerome, assignor to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry box. 1,960,073; May 22.
 Warner Jewelry Case Company. (See Warner, Jerome, assignor.)
 Warner, John H., Crafton, Pa. Mechanical spinning toy. 1,977,814; Oct. 23.
 Warner, Joseph R., assignor to S. F. Bower & Company, Inc., Fort Wayne, Ind. Lubricator. 1,979,591; Nov. 6.
 Warner, Lester C., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Universal framework. 1,951,457; Mar. 20.
 Warner, Robert L., Hollywood, Calif. Game apparatus. 1,953,873; Apr. 3.
 Warner & Swasey Company, The. (See Bogart, Fred H., assignor.)
 Warner & Swasey Company, The. (See Burrell, Edward P., assignor.)
 Warner & Swasey Company, The. (See Drissner, A. E., Hoagland, Lange, assignor, Lundberg, and Lovely.)
 Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
 Warner, Wilbur W., Fort Wayne, Ind., assignor to General Electric Company, Clutch. 1,974,322; Sept. 18.
 Warner, William H., Ottawa, Kans. Hydraulic lift. 1,958,960; May 15.
 Warne, Carl J., Elkhart, Ind., assignor to The Adams & Westlake Company, Chicago, Ill. Process and apparatus for producing pure hydrogen. 1,955,780; Apr. 24.
 Warne, Carl J., Elkhart, Ind., assignor to The Adams & Westlake Company, Chicago, Ill. Method and apparatus for treating gases. 1,967,952; July 24.
 Warne, Carl J., Elkhart, Ind., assignor to The Adams & Westlake Company, Chicago, Ill. Mercury switch. 1,967,953; July 24.
 Warne, Carl J., Elkhart, Ind., assignor to The Adams & Westlake Company, Chicago, Ill. Mercury switch relay. 1,967,954; July 24.
 Warnock, Thomas H., Bayonne, N. J., assignor to Standard Oil Development Company, Foam applicator. 1,955,265; Apr. 17.
 Warntjes, James H. (See Matthews, H., Warntjes, Arthurs, and Wilkinson.)
 Warp Compressing Machine Company. (See Javery, Frank B., assignor.)
 Warp Compressing Machine Company. (See Longvall, Raymond C., assignor.)
 Warr, Edward H., and B. H. Statter, Baltimore, Md. Dry chemical fire extinguisher. 1,945,457; Jan. 30.
 Warren, Admiral J., Washington, D. C., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Razor sharpening device. 1,942,229; Jan. 2.
 Warren Axe and Tool Co. (See Juline, George R., assignor.)
 Warren, Carleton. (See Burleigh, A. C., and Warren.)
 Warren, Charles H. (See McFall, T. E., and Warren.)
 Warren, Clyde E., Oakland, Calif. Sorting device. 1,964,837; July 3.
 Warren, Donald M., West Lafayette, Ind. Playhouse. 1,984,666; Dec. 18.
 Warren Foundry and Pipe Corporation. (See Thomas, Frank M., assignor.)
 Warren, Frank D., Oakland, assignor of twelve and one half percent to N. Apollonio, Camino, Calif. Flight level indicator for aircraft. 1,958,456; May 15.
 Warren, George E. (See Page, G. A., Jr., and Warren.)
 Warren, George M., Sylacauga, Ala. Marble polishing buffer. 1,970,872; Aug. 21.
 Warren, Glenn A., and W. B. Simpson, Jr., Bakersfield, assignors of one-third to Edward R. Williams, Corcoran, Calif. Refrigerator. 1,951,074; Mar. 13.
 Warren, Glenn W. (See Britton, E. C., Coleman, and Warren.)
 Warren, Harlow, Mansfield, Ohio. Vacuum cup cap for collapsible tubes. 1,984,610; Dec. 18.
 Warren, Harold, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole fitting machine. 1,975,995; Oct. 9.
 Warren, Harold B., assignor to The Randall Company, Cincinnati, Ohio. Finishing panel. 1,972,545; Sept. 4.
 Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Self-starting synchronous motor. 1,942,076; Jan. 2.
 Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Lubricated bearing. 1,942,077; Jan. 2.
 Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Frequency regulation of systems distributing power and time. 1,953,790; Apr. 3.
 Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Frequency regulation of systems distributing power and time. 1,963,727; June 19.
 Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Alarm clock. 1,979,087; Oct. 30.
 Warren, James P., and C. H. Beensen, Dania, Fla., assignors to Wallace & Tiernan Products Inc., Belleville, N. J. Removing slimy growth accumulations from water-contact surfaces. 1,983,109; Dec. 4.
 Warren, Jay F., Detroit, Mich., assignor to The American Rolling Mill Company, Middletown, Ohio. Method of and apparatus for preparing, handling, and shipping sheet metal. 1,977,503; Oct. 16.
 Warren, John D., New York, N. Y. Mold. 1,948,146; Feb. 20.
 Warren, John D., New York, N. Y. Confection mold. 1,948,147; Feb. 20.
 Warren, John S. (See Beck, A. R., and Warren.)
 Warren, Joseph A. (See Van Deventer, H. R., and Warren.)
 Warren, Joseph A., Mount Vernon, N. Y. Water cooler. 1,963,570; June 19.
 Warren, Joseph A., Mount Vernon, N. Y., assignor, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Unitary motor-compressor. 1,949,505; Mar. 6.
 Warren, Kenneth W., assignor to Bendix Aviation Corporation, South Bend, Ind. Safety filler plug. 1,943,851; Jan. 16.
 Warren-Knight Company. (See Kiefer, William F., assignor.)
 Warren, Paul C., Lakeside, Mich. Refrigerator. 1,943,646; Jan. 16.
 Warren, Reginald, Whittom, England, assignor to The Pulsonometer Engineering Company Limited, Reading, England. Rotary fluid pressure pump, engine, variable speed power transmitter, or brake. 1,960,035; May 22.
 Warren, Reginald G., Liverpool, England. Device for sorting articles or packages into groups of various weights. 1,942,267; Jan. 2.
 Warren, Robert A., Chicago, Ill. Electrode for discharge tubes. 1,972,611; Sept. 4.
 Warren, S. D., Company. (See Lebel, Stanislas, assignor.)
 Warren Soap Manufacturing Company. (See Ellis, Ray P., assignor.)
 Warren, Stanley F. (See Graham, Hubert B.)
 Warren Telechron Company. (See Aldis, William J., assignor.)
 Warren Telechron Company. (See de Vaulchler, Simon, assignor.)
 Warren Telechron Company. (See Holland, Edward S. J., assignor.)
 Warren Telechron Company. (See Kogan, Belle, assignor.)
 Warren Telechron Company. (See Kokins, Irwin W., assignor.)
 Warren Telechron Company. (See Nickelsen, John, assignor.)
 Warren Telechron Company. (See Warren, Henry E., assignor.)
 Warren, Thomas W., Montreal, Quebec, Canada. Apparatus for making spark plugs. 1,968,665; July 31.
 Warren, William A. (See Myers, Hansford J., assignor.)
 Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 92,220; May 8.
 Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 92,689; July 3.
 Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 93,955; Nov. 27.
 Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 94,060; Dec. 11.
 Warrick, Charles F., assignor to Bender Warrick Corporation, Detroit, Mich. Electrical control device. 1,979,127; Oct. 30.
 Warrick, Jane E., Tampa, Fla. Oven. 1,983,110; Dec. 4.
 Warshaw, Nathan, Brooklyn, N. Y. "Zipper" tape. 1,948,406; Feb. 20.
 Warshaw, Nathaniel, Boston, and H. B. Shepard, assignors to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Impact testing machine. 1,984,904; Dec. 18.
 Warsop, Henry E., Nottingham, England. Rock drill and like implement. 1,981,764; Nov. 20.
 Warth, Albin H., Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Producing closures. Re19,117; Mar. 20.
 Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Spot crown and liner material therefor. 1,956,481; Apr. 24.
 Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Manufacturing bottle caps. 1,967,195; July 17.
 Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closure for bottles containing oil and oil compounds. 1,967,459; July 24.
 Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Gas treating articles. 1,983,648; Dec. 11.
 Warwick, Howard J., Cleveland, Ohio, assignor to Multi-graph Company, Wilmington, Del. Printing plate mounting. 1,965,621; July 10.
 Wasberg, Axel, assignor to Camel Company, Chicago, Ill. Track bracket and stop. 1,982,275; Nov. 27.
 Waseige, Charles R., Rueil, France, assignor to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 1,946,956; Feb. 13.

- Waseige, Charles R., Rueil, France, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Apparatus for driving rotary air compressors by supercharged engines. 1,954,436; Apr. 10.
- Waseige, Charles R., Rueil, assignor to Henry & Maurice Farman, Billancourt, France. Testing plant for internal combustion engines. 1,961,315; June 5.
- Waseige, Charles R., Reuil-Malmaison, France, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Change speed transmission. 1,972,176; Sept. 4.
- Washburn Company, The. (See Andrews, Arthur G., assignor.)
- Washburn Company, The. (See Wheeler, Levi E., assignor.)
- Washburn, Frederick C., New Bedford, Mass. Roll. 1,970,263; Aug. 14.
- Washburn, John M., West Hartford, assignor to The Merrow Machine Company, Hartford, Conn. Sewing machine. 1,941,452; Jan. 2.
- Washburn, John M., West Hartford, assignor to The Merrow Machine Company, Hartford, Conn. Looper carrier. 1,966,367; July 10.
- Washburne, Stephen H., La Mesa, Calif. Propeller. 1,954,437; Apr. 10.
- Washington Missionary College. (See Van Seyle, R., Smith, and Barnes, assignors.)
- Washington, State College of. (See Vandecaveye, Silvere C., assignor.)
- Wasmer Bolt & Nut Company, The. (See Hogue, Henry J., assignor.)
- Wasmer, Charles L., et al. (See Hogue, Henry J.)
- Wasmer, John C., et al. (See Hogue, Henry J., assignor.)
- Wasmuht, Roland. (See Fry, A., and Wasmuht.)
- Wasserman, Marian G., assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Frequency multiplication. 1,964,373; June 26.
- Wasson, Frederick E., Philadelphia, Pa., assignor to C. G. Sargent's Sons Corporation, Granville, Mass. Endless conveyor. 1,974,129; Sept. 18.
- Wasson, Harry C., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Diaphragm lever and saddle mechanism. 1,968,920; Aug. 7.
- Wasson, Robert B., Cranford, N. J. Portable pressure gauge. 1,950,532; Mar. 13.
- Wasson, Robert B., Cranford, N. J. Logarithmic calculating mechanism. 1,979,512; Nov. 6.
- Watairway Manufacturing Corporation. (See Guidetti, F., and Sacerdote, assignors.)
- Waterbury Brass Goods Corporation. (See Anderson, Edward H., assignor.)
- Waterbury Brass Goods Corporation, The. (See Coe, Herbert W., assignor.)
- Waterbury Brass Goods Corporation, The. (See Davis, Albert L., assignor.)
- Waterbury Brass Goods Corporation, The. (See Miner, Anson W., assignor.)
- Waterbury Buckle Company. (See La Vigne, Jerome R., assignor.)
- Waterbury Button Company, The. (See Kaynor, Warren F., assignor.)
- Waterbury Button Company, The. (See Magenat, René P., assignor.)
- Waterbury Clock Company, The. (See Kohlhausen, Walter, assignor.)
- Waterbury Farrel Foundry & Machine Company, The. (See Candee, Zenas P., assignor.)
- Waterbury Farrel Foundry & Machine Co., The. (See Candee, Z. P., and Burton, assignors.)
- Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
- Waterbury Holding Corporation. (See Waterbury, James L., assignor.)
- Waterbury, James L., Chicago, Ill., assignor to Waterbury Holding Corporation, Cincinnati, Ohio. Electric fan. 1,945,010; Jan. 30.
- Waterbury, John H., Chicago, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Reflector. Des. 93,527; Oct. 2.
- Waterbury, Ronald J. (See Geyer, H. D., and Waterbury.)
- Waterbury Tool Company, The. (See Ellis, Arthur L., assignor.)
- Waterbury Tool Company, The. (See Ellis, A. L., and Francis, assignors.)
- Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. Des. 91,446; Jan. 30.
- Waterfield, James, assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. Des. 93,060; Aug. 14.
- Waterfield, James, assignor to Quaker Lace Company, Philadelphia, Pa. Lace curtain. 1,976,685; Oct. 9.
- Water Level Controls Company. (See Pike, Theodore F., assignor.)
- Waterloo Fruit & Commission Company. (See Hoxie, Ralph J., assignor.)
- Waterman, Fred W. (See Bark, W., and Waterman.)
- Waterman, Hein L., Delft, assignor to Naamlouze Venootschap de Bataafse Petroleum Maatschappij, The Hague, Netherlands. Manufacture of valuable products from coal and other oxygen-containing carbonaceous materials. 1,949,891; Mar. 6.
- Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
- Waterman, L. E., Company. (See Soper, H. F., and Sparks, assignors.)
- Waterman, Max L., Fairfield, Conn. Air-humidifying heat radiator. 1,977,926; Oct. 23.
- Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary hook mechanism for sewing machines. 1,965,398; July 3.
- Waters, Charles B. (See Steindler, Leslie L., assignor.)
- Waters, Daniel V., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 1,981,133; Nov. 20.
- Waters-Genter Company. (See Anderson, Roy J., assignor.)
- Waters Genter Company. (See Lawrence, George L., assignor.)
- Waters-Genter Company. (See Ness, James S., assignor.)
- Waters-Genter Company. (See Worthington, Everett, assignor.)
- Waters, Harry H., assignor to Climax Engineering Company, Clinton, Iowa. Automatic fuel proportioning device for gas engines. 1,954,968; Apr. 17.
- Waters, Millard F., assignor to Hanlon-Waters, Inc., Tulsa, Okla. Bolted tank structure. 1,972,807; Sept. 4.
- Waters, William C., L. L. Purvis, and S. G. Taylor, Columbus, Ga. Filling detector. 1,944,624; Jan. 23.
- Waterstone, Henry, Richmond, W. Va. Automatic measuring device. 1,972,808; Sept. 4.
- Watertown Manufacturing Company. (See Neill, Joseph R., assignor.)
- Watervliet Tool Company. (See Kattrein, William J., assignor.)
- Waterworth, Robert J., and R. J. O'Connor, assignors to Prima Manufacturing Company, Inc., Sidney, Ohio. Washing machine. 1,957,055; May 1.
- Watkin, Albert P. J., and G. J. Winter; said Winter assignor to E. C. Randall, Buffalo, N. Y. Heel. 1,980,122; Nov. 6.
- Watkins, A. Verden. (See Ferguson, S. F., and Watkins.)
- Watkins, Arthur E., Des Moines, Iowa. Permanent hair waving apparatus. 1,954,273; Apr. 10.
- Watkins, Charles W. (See Loose, K. D., Watkins, and Green.)
- Watkins, Frederic M. (See Wittkubns, B., and Watkins.)
- Watkins, George B. (See Ryan, J. D., and Watkins.)
- Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,960,520; May 29.
- Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,963,601; June 19.
- Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Safety glass. 1,963,602; June 19.
- Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing safety glass. 1,980,510; Nov. 13.
- Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing laminated glass. 1,982,712; Dec. 4.
- Watkins, George B., and J. D. Ryan, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Safety glass. 1,976,758; Oct. 16.
- Watkins, George B., and R. W. Wampler, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for sealing laminated glass. 1,983,156; Dec. 4.
- Watkins, James R., Niles Center, Ill. Container. 1,955,107; Apr. 17.
- Watkins, James R., Niles Center, Ill. Container. 1,976,693; Oct. 9.
- Watkins, James R., assignor, by mesne assignments, to Chicago Mill and Lumber Company, Chicago, Ill. Box construction. 1,965,871; July 10.
- Watkins, Morris W., Milledgeville, Ga. Meat-tenderer. 1,970,991; Aug. 21.
- Watkins, Ray O., assignor to Universal Battery Company, Chicago, Ill. Casting machine. 1,974,144; Sept. 18.
- Watkins, Robert B., Buffalo, N. Y. Brake testing device. 1,950,583; Mar. 13.
- Watkins, Robert C., and J. May, San Francisco, Calif. Flexible doorstop. 1,983,784; Dec. 11.
- Watkins, Samuel H., assignor of one-half to Harry M. Worthington, Massillon, Ohio. Furniture. 1,953,451; Apr. 3.
- Watkins, Thomas D., Utica, and B. A. Slocum, Binghamton, N. Y.; said Slocum assignor to said Watkins. Machine for placing paper linings in molds. 1,945,243; Jan. 30.
- Watkins, Walter G., Kansas City, assignor to Skelly Oil Company, El Dorado, Kans. Automatic multiple valve unit. 1,958,155; May 8.
- Watling Manufacturing Company. (See Watling, William D., assignor.)
- Watling, William D., assignor to Watling Manufacturing Company, Chicago, Ill. Weighing scale. 1,983,257; Dec. 4.
- Wattmough, William N., Jr. (See Wight, E. H., Anderson, and Wattmough.)
- Watra, Frank G. (See Muik, Frank, assignor.)
- Watral, John A., Long Island City, N. Y. Holding device for lamp-shade frames. 1,959,143; May 15.
- Watres, Lewis S., assignor to F. Wesel Manufacturing Company, Scranton, Pa. Photographic reproduction apparatus. 1,956,887; May 1.

- Watrous, Charles A., New Haven, Conn. Device for determining light intensity. 1,951,180; Mar. 13.
- Watrous, Earl G., Chicago, Ill. Hood attachment and lock for automobiles. 1,945,128; Jan. 30.
- Watry, Louis T., West Allis, Wis. Smoker's pipe. 1,943,907; Jan. 16.
- Watson, Alfred, Highland Park, Pa. Mailing sheet. 1,945,927; Feb. 6.
- Watson, Bessie, executor, et al. (See Cullen, H. E., and Konning, assignors.)
- Watson, Charles B., assignor of forty-five per cent to F. G. Johnson, Omaha, Nebr. Thermodynamic system. 1,979,128; Oct. 30.
- Watson, Clement W. (See Watson, Robert L., assignor.)
- Watson, Clifford D. (See Fitch, J. A., and Watson.)
- Watson, Earnest L., Milan, Mich. Furnace structure. 1,955,990; Apr. 24.
- Watson, Edgar, Towson, assignor to The Lafayette Company, Baltimore, Md. Stayed container. 1,956,458; Apr. 24.
- Watson, Edgar, Towson, assignor, by mesne assignments, to The Nelson Corporation, Baltimore, Md. Container. 1,982,557; Nov. 27.
- Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraph system. 1,960,360; May 29.
- Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Typewriting machine. 1,973,589; Sept. 11.
- Watson, Edward F., Larchmont, N. Y., and T. A. McCann, East Orange, N. J., assignors to American Telephone and Telegraph Company. Paper feed mechanism. 1,983,586; Dec. 11.
- Watson, Edward L., Rochester, N. Y. Sanitary combined rodent and insect exterminator. 1,964,611; June 26.
- Watson, Estell M., East Cleveland, Ohio, assignor to General Electric Company. Pyrometer lamp. 1,970,407; Aug. 14.
- Watson, F. H., Company, The. (See Watson, Frank H., assignor.)
- Watson, Frank H., Jonesboro, assignor to The F. H. Watson Company, Little Rock, Ark. Stub type valve stem. 1,957,866; May 8.
- Watson, George H., assignor of one-half to I. Schwartz and one-half to S. L. Schwartz, Los Angeles, Calif. Beer coil cleaner. 1,964,235; June 26.
- Watson, Glenn W., Detroit, Mich., assignor to International Business Machines Corporation, New York, N. Y. Apparatus for transmitting music by radio. 1,978,828; Oct. 30.
- Watson, Henry P. (See Cullen, H. E., and Ronning, assignors.)
- Watson, Howard C., Moorestown, N. J. Sign. 1,956,303; Apr. 24.
- Watson, Irving S., Burbank, assignor of one-half to G. Leingang, Sunland, Calif. Muffler construction. 1,951,813; Mar. 20.
- Watson, James A., deceased, Silver Spring, Md.; M. C. Watson, executrix. Oil-purifying apparatus for hydrocarbon engines. 1,951,683; Mar. 20.
- Watson, James B., Detroit, assignor to F. D. Liverance, Grand Rapids, Mich. Internal combustion engine. 1,977,657; Oct. 23.
- Watson, James H., Company, The. (See Failey, Malby R., assignor.)
- Watson, John A., assignor to The Lubricating Corporation, South Bend, Ind. Lubricating device. 1,956,634; May 1.
- Watson, John A., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 1,964,866; July 3.
- Watson, John P., assignor to Vickers-Armstrongs Limited, Westminster, England. Apparatus for use in determining the course to be given to torpedoes. 1,943,403; Jan. 16.
- Watson, John W., Wayne, assignor to John Warren Watson Company, Philadelphia, Pa. Shock absorber. 1,985,122; Dec. 18.
- Watson, John W., Wayne, and R. F. Nowalk; said Nowalk assignor to John Warren Watson Company, Philadelphia, Pa. Packing structure. 1,972,809; Sept. 4.
- Watson, John Warren, Company. (See Watson, John W., assignor.)
- Watson, John Warren, Company. (See Watson, J. W., and Nowalk, assignor.)
- Watson, Kenneth M., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,952,694; Mar. 27.
- Watson, Kenneth M., Madison, Wis., and L. A. Mekler, assignors to Universal Oil Products Company, Chicago, Ill. Heating. 1,971,925; Aug. 28.
- Watson Manufacturing Company, Inc. (See Watson, William W., assignor.)
- Watson, Mary C., executrix. (See Watson, James A., assignor.)
- Watson, Omer, Houston, Tex. Pump operating mechanism. 1,984,667; Dec. 18.
- Watson, Philip B., New York, N. Y., assignor to Synthetic Plastics Company, Inc. Dustless discharge housing. 1,954,465; Apr. 10.
- Watson, Ralph H. (See Lose, J. E., and Watson.)
- Watson, Reginald J., Huntington Park, Calif. Screw driver. 1,950,644; Mar. 13.
- Watson, Richard M., Detroit, Mich. Loose-leaf binder. 1,943,465; Jan. 16.
- Watson, Richard M., Detroit, Mich. Binder mechanism. 1,948,603; Feb. 27.
- Watson, Robert, Cleveland, Ohio, assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Grate frame construction. 1,944,336; Jan. 23.
- Watson, Robert B., Whitehaven, Tenn. Water purification and supply system. 1,985,435; Dec. 25.
- Watson, Robert L., assignor to C. W. Watson, Toledo, Ohio. Chuck. 1,977,658; Oct. 23.
- Watson, Samuel E., Chanaral, Chile. Golf club. 1,946,007; Feb. 6.
- Watson, Thomas S., assignor to Car Lighting Improvement Company, Milwaukee, Wis. Car lighting system. 1,979,513; Nov. 6.
- Watson, Thomas W., et al. (See Hosmer, Ray L., assignor.)
- Watson, William. (See Finefrock, E. E., and Watson.)
- Watson, William F., Bradenton, Fla. Fishing reel. 1,971,470; Aug. 28.
- Watson, William W., Jamestown, N. Y. Casement window operator. 1,971,360; Aug. 28.
- Watson, William W., assignor to Watson Manufacturing Company, Inc., Jamestown, N. Y. Roller screen. 1,978,120; Oct. 23.
- Watson-Williams Manufacturing Company. (See Spencer, Philip L., assignor.)
- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check. 1,953,640; Apr. 3.
- Wattieworth, John C., assignor to The Vleck Tool Company, Cleveland, Ohio. Drop hammer. 1,954,159; Apr. 10.
- Watts, Charles B., Bakersfield, Calif. Lash cinch book. 1,976,643; Oct. 9.
- Watts, George W. (See Roberts, J. K., and Watts.)
- Watts, Harold G., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Destructive hydrogenation of coal, oils, and the like. 1,959,887; May 22.
- Watts, Harold G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Recovering ethylene from gaseous olefine mixtures containing the same. 1,977,659; Oct. 23.
- Watts, Harry W., Maplewood, assignor to Stewart Hartsorn Company, East Newark, N. J. Shade roller. 1,942,787; Jan. 9.
- Watts, Henry A. (See Barber, W. E., and Watts.)
- Watts, James M., Los Angeles, Calif. Spark plug. 1,952,343; Mar. 27.
- Watts, Leon A., Atlanta, Ga., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Self-lubricating bearing. 1,977,959; Oct. 23.
- Watts, Malcolm S. M., New York, N. Y. Emergency means of egress from elevator cars. 1,977,706; Oct. 23.
- Watts Morehouse Mfg. Corporation. (See Stallings, George W., assignor.)
- Watts, Noble H. (See Holm-Hansen, O., and Watts.)
- Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Electric connector. 1,952,188; Mar. 27.
- Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Heat guard. 1,961,805; June 5.
- Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Handle structure for vacuum cleaners and the like. 1,965,361; July 3.
- Watts, Rhea N., Baton Rouge, La., assignor to Standard-I. G. Company. Recovery of valuable constituents from hydrogenation catalysts. 1,948,407; Feb. 20.
- Watts, Rhea N., and W. E. Spicer, Baton Rouge, La., assignors to Standard-I. G. Company. Preparing catalysts of increased activity. 1,948,408; Feb. 20.
- Watts, Thomas R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Test meter. 1,976,531; Oct. 9.
- Waugh Equipment Company. (See Clark, Leverett M., assignor.)
- Waugh Equipment Company. (See Thompson, James S., assignor.)
- Waugh Equipment Company. (See Watson, Robert, assignor.)
- Waugh, Rodney E., and L. W. Wile, Tonkawa, Okla. Tear gas gun. 1,945,211; Jan. 30.
- Waughtel, Roy V., and R. A. McDermont, Riverside, Calif. Box marking appliance. 1,974,634; Sept. 25.
- Waukesha Motor Company. (See Fisher, J. B., and Coverstone, assignors.)
- Waukesha Motor Company. (See Pope, Arthur W., Jr., assignor.)
- Waxler, R. L. (See Hardcastle, Jasper A., assignor.)
- Way, Wilbur A., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Apparatus for making address plates. 1,966,472; July 17.
- Wayer, Henry, and G. Jaeger, Columbus, Ohio. Valve protector for gas containers. 1,948,953; Feb. 27.
- Wayne Company. (See Jauch, R. J., and Arnold, assignors.)
- Wayne, Glenn H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Machine for rolling screw threads. 1,979,919; Nov. 6.
- Wayne, Herbert N., Santa Monica, Calif. Toilet valve. 1,947,627; Feb. 20.
- Wayne, Herbert N., Santa Monica, Calif. Piston. 1,955,157; Apr. 17.
- Wayside Gardens Company. (See Schultz, E. H., and Horvath, assignors.)
- Weakley, Alberta G. (See Weakley, Raymond D. and A. G.)

- Weakley, Raymond D. and A. G., Miami, Fla. Easel. 1,971,926; Aug. 28.
- Weale, Alfred, Heswall, England, assignor to Imperial Chemical Industries Limited. Priming composition. 1,969,246; Aug. 7.
- Wean Engineering Company, The. (See Evans, Archibald D., assignor.)
- Wean Engineering Company, The. (See Evans, A. D., assignor and Clark.)
- Wean Engineering Company, The. (See Peik, Louis D., assignor.)
- Wean Engineering Company, The. (See Wean, Raymond J., assignor.)
- Wean Engineering Company, The. (See Wean, R. J., and Evans, assignors.)
- Wean Engineering Company, Incorporated, The. (See Evans, Archibald D., assignor.)
- Wean, Raymond J., assignor to The Wean Engineering Company, Incorporated, Warren, Ohio. Method and apparatus for rolling sheets. 1,985,848; Dec. 25.
- Wean, Raymond J., and A. D. Evans, assignors to The Wean Engineering Company, Incorporated, Warren, Ohio. Apparatus for rolling. 1,948,148; Feb. 20.
- Wean, Raymond J., and A. D. Evans, assignors to The Wean Engineering Company, Incorporated, Warren, Ohio. Feeding and catching table. 1,974,403; Sept. 18.
- Wear, George R., Sherman, Tex. Film holding attachment for cameras. 1,971,435; Aug. 28.
- Wearne, Richard D., Gary, Ind. Machine for peening pipe flanges. 1,953,842; Apr. 3.
- Weast, Victor R., Chicago, Ill. Apparatus for making coffee. 1,947,687; Feb. 20.
- Weatherford, Edward, Decatur, Ill., assignor to The Borden Company, New York, N. Y. Foundry core. 1,984,905; Dec. 18.
- Weatherford, Joseph H. (See McPherson, H. L., and Weatherford.)
- Weatherford, Joseph H., Memphis, Tenn., assignor to M. Fakkema, Chicago, Ill. Card index. 1,966,570; July 17.
- Weatherhead, Albert J., jr., assignor to The Weatherhead Company, Cleveland, Ohio. Coupling. 1,949,668; Mar. 6.
- Weatherhead, Albert J., jr., assignor to The Weatherhead Company, Cleveland, Ohio. Making valve bodies. 1,972,821; Sept. 4.
- Weatherhead, Albert J., jr., assignor to The Weatherhead Company, Cleveland, Ohio. Fitting. 1,977,564; Oct. 16.
- Weatherhead Company. (See Baldwin, John D., jr., assignor.)
- Weatherhead Company, The. (See Bosworth, F. M., and Stecher, assignors.)
- Weatherhead Company, The. (See Weatherhead, Albert J., jr., assignor.)
- Weatherhead, R. F. (See Clapper, Bryan J., assignor.)
- Weatherly, Everett P., jr., Houston, Tex., assignor to Standard Oil Development Company. Bottom hole sampling device. 1,981,817; Nov. 20.
- Weathers, Warren F. (See Taylor, J. B., and Weathers.)
- Weatherstone, Charles E., Omak, Wash. Protective device for riser pipes and valves thereon. 1,950,335; Mar. 6.
- Weaton, George F., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Pyro-electric metallurgical furnace and process. 1,967,274; July 24.
- Weaton, George F., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Furnace structure. 1,970,209; Aug. 14.
- Weaton, George F., H. K. Najarian, and W. C. Dowd, Beaver, Pa., assignors to St. Joseph Lead Company, New York, N. Y. Recovery of zinc, lead, tin, and cadmium values. 1,973,590; Sept. 11.
- Weaver, Albert E., Indianapolis, Ind. Stoker-drive. 1,985,123; Dec. 18.
- Weaver, Allan, Port Washington, N. Y., assignor to American Telephone and Telegraph Company. Regenerative signal repeater. 1,956,704; May 1.
- Weaver, Allan, Fort Washington, N. Y., assignor to American Telephone and Telegraph Company. Telegraph switching system. 1,980,305; Nov. 13.
- Weaver, Brenton B., Westmount, Quebec, Canada, assignor to Bagpak, Inc. Multi-ply bag. 1,946,995; Feb. 13.
- Weaver, Charlie. (See Maples, J. W., and Weaver.)
- Weaver, Clyde E., assignor to Bennett Pumps Corporation, Muskegon, Mich. Pump control. 1,945,011; Jan. 30.
- Weaver, Eastman A., Winchester, Mass., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Color photography. 1,951,043; Mar. 13.
- Weaver, Eastman A., Winchester, Mass., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y. Color photography. 1,968,112; July 31.
- Weaver, Eastman A., Winchester, assignor to Comstock & Westcott, Inc., Boston, Mass. Rotary engine or the like. 1,968,113; July 31.
- Weaver, Eastman A., Winchester, and L. F. Whitney, assignors to Comstock & Westcott, Inc., Boston, Mass. Boiler. 1,954,398; Apr. 10.
- Weaver, George B. (See du Pont, E. P., and Weaver.)
- Weaver, H. H. (See Huse, Charles A., assignor.)
- Weaver, Henry A., Tampa, Fla. Copyholder. 1,962,540; June 12.
- Weaver, Ira A., Springfield, Ill. Gyroscopic vehicle steering stabilizer. 1,945,874; Feb. 6.
- Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Wheel-testing appliance. 1,977,297; Oct. 16.
- Weaver, James A., jr. (See Blackburn, J., and Weaver.)
- Weaver, Jennings C. (See Cass, F. H., and Weaver.)
- Weaver, Jesse B., assignor to Horlix Manufacturing Company, Pittsburgh, Pa. Filling machine and filling containers. 1,978,002; Oct. 23.
- Weaver, Jesse M., Charleston, S. C., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Wick for oil burners. 1,954,855; Apr. 17.
- Weaver, John A., Greeley, Colo. Windshield heater. 1,968,111; July 31.
- Weaver, Josiah A., assignor to Container Corporation of America, Chicago, Ill. Handle carton. 1,984,611; Dec. 18.
- Weaver, Lamar, Ducktown, Tenn., assignor to Tennessee Copper Company. Scraper-loader. 1,958,374; May 15.
- Weaver, Leo L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for twisting strands. 1,981,134; Nov. 20.
- Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
- Weaver, Ray J., Shelby, Ohio. Governor. 1,976,907; Oct. 16.
- Weaving Machines Company Limited, The. (See MacEwan, W. R., and Villa, assignors.)
- Webb, Byron H., Washington, D. C. Preserving fresh whole milk. 1,964,279; June 26.
- Webb, Christopher F. (See Fishburn, J. E., and Webb.)
- Webb, Edmond F., Highland Park, and R. C. Sanders, assignors to Chrysler Corporation, Detroit, Mich. Composite grommet. 1,952,695; Mar. 27.
- Webb, Ernest C., assignor to Iron Fireman Manufacturing Company, Portland, Ore. Fuel feed mechanism for underfeed stokers. 1,967,693; July 24.
- Webb, Frank, and E. R. Glade, Fontanelle, Iowa. Rotary pump or the like. 1,965,872; July 10.
- Webb, George, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Cleaning and annealing machine. 1,949,438; Mar. 6.
- Webb, George, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Wet sand blast apparatus. 1,968,571; July 17.
- Webb, George, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jet device for washing machines. 1,966,572; July 17.
- Webb, George, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jet device for dishwashing machines. 1,966,573; July 17.
- Webb, George C., Buffalo, N. Y. Tray. 1,979,301; Nov. 6.
- Webb, George F., Hamilton, Ontario, Canada. Direction indicator. 1,952,189; Mar. 27.
- Webb, Harold C., Huntington, N. Y. Automatic parking brake. 1,958,356; May 8.
- Webb, Harry. (See Stanfield, L. M., and Webb.)
- Webb, Hartwell W., Leonia, N. J. Flexible shaft. 1,952,301; Mar. 27.
- Webb, Howard W., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Swinging gate valve. 1,968,666; July 31.
- Webb, Ira G., Binghamton, N. Y. Globe holder. 1,942,156; Jan. 2.
- Webb, Irving F. (See Peets, W. J., and Webb.)
- Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,960,721; May 29.
- Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Power transmitter for power tables. 1,976,674; Oct. 9.
- Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Power transmitter for power tables. 1,976,675; Oct. 9.
- Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Tandem sewing machine outfit. 1,980,603; Nov. 13.
- Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Piece-end sewing machine. 1,983,253; Dec. 4.
- Webb, J. A., Belting Co., Inc. (See Webb, James A., assignor.)
- Webb, James A., assignor to J. A. Webb Belting Co., Inc., Buffalo, N. Y. Belt dressing. 1,958,220; May 8.
- Webb, Jervis B., Royal Oak, and H. A. Stevenson, St. Clair Shores, Mich. Handling material. 1,944,771; Jan. 23.
- Webb, Robert R., assignor to Charles R. Hadley Company, Los Angeles, Calif. Binder. 1,959,651; May 22.
- Webb, Walter G. (See Snyder, C. L., and Webb.)
- Webb, William E., Minneola, Fla. Vehicle steering wheel. 1,984,293; Dec. 11.
- Webb, William G. (See Mills, O. J., and Webb.)
- Webber, Charles A., Brooklyn, N. Y. Wave motor device. 1,968,235; July 31.
- Webber, Charles A., Brooklyn, N. Y. Wave motor device. 1,968,236; July 31.
- Webber, Charles S. (See Staud, C. J., and Webber.)
- Webber, Charles S., Springfield, Mass., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition. 1,957,868; May 8.
- Webber, Frank C., Longview, Wash. Universal protractor. 1,952,344; Mar. 27.
- Webber, Harold S., assignor to Schorsch & Co. Inc., New York, N. Y. Method and apparatus for making paper bags. 1,963,571; June 19.

- Webber, Joseph T., assignor to International Radio Corporation, Ann Arbor, Mich. Dial for multirange radio-receivers. 1,942,012; Jan. 2.
- Webber, Leonard M., Los Angeles, Calif. Book or book cover supporting device. 1,980,650; Nov. 13.
- Webber, Ray R., assignor of one-third to H. W. Grunwald, Cleveland, Ohio. Vehicle. 1,973,030; Sept. 11.
- Weber, Adolf, Rapperswil, Switzerland. Ironing pad for steam pressing machines. 1,965,786; July 10.
- Weber, Albert H., Westpoint, Nebr. Seed corn huller. 1,962,975; June 12.
- Weber, Albert H., assignor of one-half to T. A. Shilka, Kenosha, Wis. Window. 1,970,210; Aug. 14.
- Weber, Anton. (See Stevens, H. L., and Weber.)
- Weber, Anton, Vienna, Austria. Cooking range flame protector. 1,976,870; Oct. 16.
- Weber, Arhard N., New York, N. Y. Razor. 1,966,193; July 10.
- Weber, Arthur G., and R. B. Schneider, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluid. 1,945,543; Feb. 6.
- Weber, Carl, assignor to Shore-Line Builders, Inc., Jacksonville, Fla. Sea wall. 1,971,324; Aug. 21.
- Weber, Carl T. (See Smith, William B., assignor.)
- Weber, Clifford A. M., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Multitub washing machine. Des. 93,428; Sept. 25.
- Weber Costello Co. (See Johnson, J. F., and Lawton, assignors.)
- Weber Dental Manufacturing Company, The. (See Monnot, Edward L., assignor.)
- Weber Engine Company. (See Gold, Bruce E., assignor.)
- Weber, Ernst, Goldbach, near Zurich, Switzerland. Sound-proof room construction. 1,963,341; June 19.
- Weber, Erwin L., Seattle, Wash. Equalizing nonreflex return elbow. 1,978,730; Oct. 30.
- Weber, Frank, New York, N. Y. Switch. 1,961,409; June 5.
- Weber, Fred C., Bay City, Mich. Reflecting road signal. 1,955,478; Apr. 17.
- Weber, George A. (See Van Horn, H. L., and Weber.)
- Weber, George H., New York, N. Y. Sheave. 1,980,123; Nov. 6.
- Weber, Guglielmo, Pergine Valdarno, Italy. Apparatus for producing blocks of carbon dioxide snow by means of liquid CO₂. 1,974,478; Sept. 25.
- Weber, Harold C. (See McAdams, W. H., and Weber.)
- Weber, Harold C., Milton, assignor to Industrial Development Corporation, Salem, Mass. Electronic device. 1,949,383; Feb. 27.
- Weber, Harold C., Milton, and W. H. McAdams, Brookline, Mass., assignors to Universal Oil Products Company, Chicago, Ill. Cracking of hydrocarbon oils. 1,960,608; May 29.
- Weber, Herman G., Sheboygan, Wis. Localizing control device. 1,961,538; June 5.
- Weber, Johannes. (See Baur, O., and Weber.)
- Weber, John, assignor to West Branch Novelty Company, Milton, Pa. Chest. 1,969,191; Aug. 7.
- Weber, John A., Detroit, Mich. Hold-down plug for punch presses and the like. 1,982,488; Nov. 27.
- Weber, Josef, and F. Hengstebeck, Essen-Ruhr, Germany, assignors, by mesne assignments, to Th. Goldschmidt Corporation, New York, N. Y. Making and utilizing sheeted adhesives and the products thus produced. 1,960,176; May 22.
- Weber, Josef, and F. Hengstebeck, Essen, Germany, assignors, by mesne assignments, to Th. Goldschmidt Corporation, New York, N. Y. Laminating process. 1,960,177; May 22.
- Weber, Julius, and A. von Zeerleder, Neuhausen, and W. D. Treadwell, Zurich, Switzerland. Electrolytic extraction of pure aluminum. 1,942,522; Jan. 9.
- Weber, Karl, Dortmund, assignor of one-half to the firms Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, and Gesellschaft fur Elektroschweissung m. b. H., Dortmund, Germany. Producing structural members by welding and the structural members obtained thereby. 1,973,591; Sept. 11.
- Weber, Karl A., Nedre Bjornstad, Royken, Norway. Apparatus for killing animals by electricity. 1,949,985; Mar. 6.
- Weber, Karl A., Los Angeles, Calif. Glass edge working machine. 1,958,526; May 15.
- Weber, Karl A., assignor to Weber Showcase & Fixture Company, Los Angeles, Calif. Automatic plate turning machine. 1,958,525; May 15.
- Weber, Leonard G., Irondequoit, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radio receiving apparatus. 1,965,303; July 3.
- Weber, Louis, East Chicago, Ind. Insulating product. 1,942,013; Jan. 2.
- Weber, Ludwig J., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum alloy. 1,955,991; Apr. 24.
- Weber, Mrs. M. et al. (See Buchmuller, Alfred, assignor.)
- Weber, Mathias J., assignor, by mesne assignments, to Continental Scale Works, Chicago, Ill. Scale. 1,982,938; Dec. 4.
- Weber, Mathias J., assignor, by mesne assignments, to Continental Scale Works, Chicago, Ill. Platform scale. 1,982,939; Dec. 4.
- Weber, Mathias J., and R. E. Vanderhoff, assignors to Continental Scale Works, Chicago, Ill. Weighing scale. Des. 93,858; Nov. 13.
- Weber, Max, Chicago, Ill. Constant level apparatus. 1,972,962; Sept. 11.
- Weber, Michael. (See Davin, T. V., and Weber.)
- Weber, Nicholas, assignor to C. H. Leach Company, New York, N. Y. Oil refining apparatus. 1,985,068; Dec. 18.
- Weber, Peter. (See Maertens, K., Kopczynski, Reichel, and Weber.)
- Weber Showcase & Fixture Company. (See Weber, Karl A., assignor.)
- Weber, Sigvard L., B. Baker, and E. W. Jensen, Los Angeles, Calif. Ray aviation compass. 1,948,552; Feb. 27.
- Weber, Victor, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Circulating fan. Des. 94,103; Dec. 18.
- Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,949,031; Feb. 27.
- Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,981,483; Nov. 20.
- Weber, William C., Larchmont, N. Y., and A. M. Kivari, Los Angeles, Calif., assignors, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus and skimmer therefor. 1,957,185; May 1.
- Weber, William G., assignor to International Corset Company, Aurora, Ill. Corset and brassiere. 1,977,028; Oct. 16.
- Webre, Alfred L., Merion, Pa., assignor to United States Pipe and Foundry Company, Burlington, N. J. Vacuum pan. 1,958,078; May 8.
- Webre, Joseph B., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Process of and apparatus for cracking hydrocarbon oils. 1,980,839; Nov. 13.
- Webster, Benjamin, et al. (See Uthoff, Richard D., assignor.)
- Webster, Duane E., assignor to Norton Company, Worcester, Mass. Making an article of shellac bonded abrasive material. 1,965,016; July 3.
- Webster, Duane E., assignor to Norton Company, Worcester, Mass. Making rubber bonded abrasive articles. 1,977,748; Oct. 23.
- Webster Electric Company. (See Hady, Arthur L., assignor.)
- Webster, George E. (See Morrill, L. A., and Webster.)
- Webster, Glenn C., assignor to Geneva Metal Wheel Company, Geneva, Ohio. Traffic marker. 1,966,227; July 10.
- Webster, Henry F. (See Livinson, B. H., and Webster.)
- Webster, John E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welded truss. 1,963,184; June 19.
- Webster Products Corporation. (See Webster, Towner K., jr., assignor.)
- Webster, Robert A., Washington, D. C., and B. K. Smith, Alexandria, Va. Fly-wheel starting motor. 1,946,513; Feb. 13.
- Webster Rubber Company. (See Hubbard, Don C., assignor.)
- Webster, Towner K., jr., Winnetka, assignor to Webster Products Corporation, Chicago, Ill. Lamp. 1,960,562; May 29.
- Webster, Walter W., U. S. Navy, and D. T. Brown, Detroit, Mich. Aircraft gun mount. 1,954,837; Apr. 17.
- Webster, Warren E. (See Hott, I. V. K., and Webster.)
- Webster, Warren E. (See Hott, I. V. K., Webster, and Raudebaugh.)
- Webster, William R., Bridgeport, Conn. Apparatus for heat treating strip metal. 1,971,666; Aug. 28.
- Webster, William R., Bridgeport, Conn. Ground rod. 1,980,020; Nov. 6.
- Wechsberg, Otto, Worcester, Mass. Air filter. 1,965,717; July 10.
- Wechter, Eugene J., Speed, Ind., assignor to Louisville Cement Company, Louisville, Ky. Production of cement. 1,957,415; May 1.
- Wecker, Andrew J., Dayton, Ohio. Automatic doorstop. 1,944,382; Jan. 23.
- Wecker, Joseph, Aachen, Germany. Copper base alloy. 1,975,216; Oct. 2.
- Weckler, Joseph E., jr., Blue Island, Ill. Automatic selective tuning mechanism for radioreceiving apparatus. 1,977,330; Oct. 16.
- Weckstein, Samson M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing construction. 1,943,049; Jan. 9.
- Weco Manufacturing Company. (See Brooks, Lester M., assignor.)
- Wedberg, Axel G. W., Chicago, Ill. Finishing structure and the like. 1,974,130; Sept. 18.
- Weddell, Ralph R., Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Step locked inserted blade cutter. 1,962,162; June 12.
- Weddell, Ralph R., Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Cutter blade lock. 1,962,163; June 12.
- Wedeborg, Reuben, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,974,479; Sept. 25.
- Wedge, Fred D. (See Buenger, E. F., and Wedge.)
- Wedge, Utley, Paoli, Pa. Mixing paint or the like. 1,973,274; Sept. 11.
- Wedger, Walter H. (See Bacon, F. S., and Wedger.)
- Wedger, Walter H., Belmont, assignor to Boston Blacking & Chemical Co., Boston, Mass. Method for use in securing together parts of shoes and other articles. 1,959,320; May 15.

- Wedge, Walter H., Belmont, assignor to Boston Blacking Chemical Co., Boston, Mass. Method and composition for use in securing together pieces of stock. 1,959,321; May 15.
- Wedge, Walter H., Belmont, assignor to Boston Blacking & Chemical Co., Boston, Mass. Methods and step-products for use in securing together pieces of stock. 1,959,322; May 15.
- Wedge, Walter H., Belmont, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparing shoe parts for adhesive attachment to other shoe parts. 1,959,605; May 22.
- Wedge, Walter H., Belmont, assignor to Boston Blacking Chemical Co., Boston, Mass. Latex adhesive. 1,967,639; July 24.
- Wedgwood, Josiah, & Sons, Inc. of America. (See Goodwin, John E., assignor.)
- Wedmore, Edmund B. (See Whitney, W. B., and Wedmore.)
- Wedmore, Edmund B. (See Whitney, W. B., Wedmore, and Cassie.)
- Wedmore, Edmund B. (See Whitney, W. B., Wedmore, and Gosland.)
- Weeber, Otto, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone handset. 1,954,108; Apr. 10.
- Weeber, Otto, Berlin-Charlottenburg, and O. Soldan, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, Germany. Telephone set. 1,944,701; Jan. 23.
- Weed, Emil W., Raymond, Alberta, Canada. Loading or handling mechanism. 1,955,781; Apr. 24.
- Weed, Harry D., Southport, Conn. Making tire chains. 1,945,359; Jan. 30.
- Weed Destroyer Co. (See Giezantanner, Charles L., assignor.)
- Week, Oscar, Wausau, Wis. Key opener. 1,963,006; June 12.
- Week, Oscar, Wausau, Wis. Key opener. 1,963,007; June 12.
- Weekley, Boyd H. (See Wright, C. H., and Weekley.)
- Weeks, Charles M., Chevy Chase, Md. Vending machine. 1,965,164; July 3.
- Weeks, James R. (See Bertossa, Harry A., assignor.)
- Weeks, Paul T., Cambridge, Mass., assignor, by mesne assignments, to Raytheon Production Corporation. Electron discharge apparatus. 1,961,269; June 5.
- Weeks, Paul T., Wellesley Hills, assignor to Raytheon Production Corporation, Newton, Mass. Radio tube construction. 1,963,008; June 12.
- Weeks, Walter R., Hamden, assignor to The Seamless Rubber Company, Incorporated, New Haven, Conn. Method of and apparatus for treating sheet rubber. 1,971,667; Aug. 28.
- Weems, Albert W., Meridian, Miss. Mechanical refrigerator. 1,954,304; Apr. 10.
- Weems, Chapman, Clarksville, assignor of one-fourth to J. B. Weems, Dickson, one-fourth to J. C. Weems, Southside, Tenn., and one-fourth to G. H. Weems, U. S. Army. Clevis hook. 1,970,479; Aug. 14.
- Weems, George H., et al. (See Weems, Chapman, assignor.)
- Weems, Joe B., et al. (See Weems, Chapman, assignor.)
- Weems, John C., et al. (See Weems, Chapman, assignor.)
- Weems, Philip V., U. S. Navy, and H. C. Gatty, Washington, D. C. Speed and drift indicator. 1,964,012; June 26.
- Wege, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. Des. 93,902; Nov. 20.
- Wege, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold case. 1,960,294; May 29.
- Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Linoleum covered top for furniture. 1,969,489; Aug. 7.
- Wegel, Raymond L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound energy translating apparatus. 1,961,410; June 5.
- Wegener, Francis A., Gloucester, assignor to Welsbach Company, Gloucester City, N. J. Control device. 1,951,012; Nov. 20.
- Wegener, Helen C., Tacoma, Wash. Wax paper holder and cutter. 1,981,013; Nov. 20.
- Wegner, Clarence J., Gallion, assignor to The Perfection Steel Body Company, Cleveland, Ohio. Display support for burial caskets and vaults. 1,968,273; July 31.
- Wehe, Herman G., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for electro-chemically producing articles. 1,964,399; July 3.
- Wehmeyer, Werner, Sommerda, Germany. Chuck and press actuating mechanism. 1,967,045; July 17.
- Wehnert, Waldemar. (See Jobst, G., Michelsens, and Wehnert.)
- Wehr, Walter W., Allentown, Pa. Motor driven sound and picture recording camera and reproducer. 1,979,718; Nov. 6.
- Wehrenberg, George E., assignor to Regalite, Inc., Chicago, Ill. Liquid refreshment server. Des. 91,286; Jan. 2.
- Wehrle Company, The. (See Pickup, George E., assignor.)
- Wehtenberg, George E., assignor to Regalite, Inc., Chicago, Ill. Liquid dispenser or the like. Des. 91,447; Jan. 30.
- Weibezahn, Karl and F. Walter, assignors to Aktiengesellschaft für Stickstoffdünger, Knapsack, near Cologne-on-the-Rhine, Germany. Apparatus for preparing acetylene and simultaneously producing substantially dry calcium hydroxide. 1,947,120; Feb. 13.
- Weible, John, and F. Lohr, Stoyestown, Pa. Radio fire-place. Des. 93,259; Sept. 4.
- Weibull, Ernst H. W., Saltsjobaden, near Stockholm, assignor to Svenska Hammaraktiebolaget, Stockholm, Sweden. Striking tool. 1,948,409; Feb. 20.
- Weichert, Max, Neubrandenburg, Germany. Method and device for transplanting rows of plants. 1,958,875; May 15.
- Weichold, Charles, Cincinnati, Ohio. Concrete reinforcement. 1,949,924; Mar. 6.
- Weick, Fred Ernest, Washington, D. C., assignor to The Government of the United States. Making propeller blades. 1,965,622; July 10.
- Weickman, Albert, and C. F. Weickman, Harrison, N. Y. Resilient support for seats. 1,945,458; Jan. 30.
- Weickman, Charles F. (See Weickman, Albert and C. F.)
- Weidanz, Adolph C., East Elmhurst, Long Island, N. Y. Guard for windshield wiper blades. 1,963,637; June 19.
- Weidauer, Curtis, New York, assignor to S. Briskman, Brooklyn, N. Y. Pinking shears. 1,970,408; Aug. 14.
- Weidauer, Curtis, New York, assignor to Samuel Briskman, Brooklyn, N. Y. Lapping machine. 1,981,935; Nov. 27.
- Weide, Henry. (See Quinlan, J. P., and Weide.)
- Weide, Rudolph. (See Duncan, J. K., and Weide.)
- Weide, Rudolph, Chicago, Ill., assignor to Ditto Incorporated. Duplicating device. 1,954,550; Apr. 10.
- Weide, Rudolph, assignor to Ditto, Incorporated, Chicago, Ill. Hectograph machine. 1,967,694; July 24.
- Weidenhoef, Alfred F. (See Henkel, A. A., and Wiedenhoef.)
- Weidenhoff, Joseph, Inc. (See Haskins, Butler J., assignor.)
- Weidenhoff, Joseph, Inc. (See Shields, Bert W., assignor.)
- Weidman, August A., assignor to Trico Products Corporation, Buffalo, N. Y. Valve action for fluid motors. 1,956,520; Apr. 24.
- Weidman, Edward P., Seattle, Wash. Counter stool. 1,967,016; July 17.
- Weidmann, Hans. (See von Girsewald, C. B., Weidmann, and Roesser.)
- Weidner, Catharina. (See Ziegler, Ernst, assignor.)
- Weidner, Willy, New York, N. Y. Shoe. Des. 93,367; Sept. 18.
- Weidner, Willy, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 93,260; Sept. 4.
- Weidner, Willy, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,104; Dec. 18.
- Weidner, Willy, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. Des. 94,105; Dec. 18.
- Weiertz, Axel H., and Per A. R. Weiertz, Svedala, Sweden. Carburetor. 1,973,362; Sept. 11.
- Weiertz, Per A. R. (See Weiertz, Axel H. and Per A. R.)
- Weigel, Albert C., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Device for securing dry steam. 1,946,248; Feb. 6.
- Weigel, Albert C., East Orange, and C. V. McIntire, Short Hills, N. J., and C. R. Bowman, Ray, Ind., assignors to Combustion Engineering Corporation, New York, N. Y. Waste heat boiler. 1,973,968; Sept. 18.
- Weigel, Max K., Chicago, Ill., assignor to C. W. Hadley. Oil heater. 1,973,239; Sept. 11.
- Weigel, Rothe, Nashville, Tenn., assignor to Victor Chemical Works. Phosphorus furnace operation. 1,952,004; Mar. 20.
- Weigel, Theodor. (See Orthner, L., Bogemann, and Weigel.)
- Weigelt, Otto, Milwaukee, Wis. Beer cooler. 1,981,014; Nov. 20.
- Weigend, Gustav. (See Zechmanek, Karl, assignor.)
- Weiger, Joseph A. (See Taylor, C., Weiger, and Sieger.)
- Weiger, Joseph A., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electrical make-and-break contacts. 1,958,357; May 8.
- Weiger, Joseph A., and J. S. Williams, assignors to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. X-ray target. 1,978,516; Oct. 30.
- Weigmann, Hermann. (See Feiler, P., Weigmann, and Hirschberg.)
- Weightmann, William A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Spreader for opposed spider welding machines. 1,954,760; Apr. 10.
- Weihe, Adolf, and K. Thinius, assignors to Deutsche Celluloid-Fabrik, Eilenburg in Sachsen, Germany. Mixed cellulose esters. 1,980,306; Nov. 13.
- Weil, Emile, New Orleans, La. Insert for masonry structures. 1,949,342; Feb. 27.
- Weil, Emile, New Orleans, La. Brick wall construction. 1,976,644; Oct. 9.
- Weil, Hans, Ludwigshafen-on-the-Rhine, assignor to firm Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H., Berlin-Lichterfelde, Germany. Photochemical production of forms or patterns for planographic printing. 1,948,604; Feb. 27.
- Weil, Jean. (See Verger, Georges and H., and Weil.)

- Weiland, Alfred. (See Williams, S. T., and Weiland.)
 Weiland, Alfred, Germantown, Pa. Vehicle bumper. 1,978,179; Oct. 23.
 Weiland, Alfred, Germantown, Pa. Control mechanism for vehicles. 1,983,259; Dec. 4.
 Weiland, Henry J. (See Gubelmann, I., Weiland, and Gottlieb.)
 Weiland, Henry J., and C. O. Henke, South Milwaukee, Wis., and G. Etzel, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Abietyl esters of sulpho-propane-diol and preparing the same. 1,948,713; Dec. 18.
 Weiland, Henry J., and C. O. Henke, South Milwaukee, and M. A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfo-alkyl esters of abietic acids and preparing the same. 1,984,714; Dec. 18.
 Weiland, John A., Phoenixville, Pa. Refrigerator truck body. 1,948,954; Feb. 27.
 Weiland, John A., assignor to Weiland Packing Company, Inc., Phoenixville, Pa. Stuffing device. 1,943,197; Jan. 9.
 Weiland Packing Company. (See Weiland, John A., assignor.)
 Weiler, Frank, and W. A. Ferguson, San Francisco, Calif. Blackboard. Des. 91,287; Jan. 2.
 Weiler, Louis G., Bronx, N. Y. Arch support. 1,976,819; Oct. 16.
 Weiler, Max, Leverkusen-Wiesdorf, near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Compound of the polyarylmethyl series and preparing the same. 1,971,436; Aug. 28.
 Weiler, Max, Wiesdorf-on-the-Rhine, B. Wenk, and Hermann Stötter, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. New condensation products. 1,948,894; Feb. 27.
 Weiler, Millard K., Greenwood, Miss. Shaving cabinet. 1,944,049; Jan. 16.
 Weiler, Sigmond G., Milwaukee, Wis. Gummed tape moistener and dispenser. 1,952,618; Mar. 27.
 Weiler, Sigmond G., Milwaukee, Wis. Built-in cooking stove. 1,962,222; June 12.
 Weiler, Wilhelm, Berlin-Niederschönhausen, Germany, assignor to General Electric Company. Cascade of asynchronous dynamoelectric machines. 1,964,548; June 26.
 Weill, Robert, Paris, France. Oil bath insulator. 1,944,383; Jan. 23.
 Weiller, Paul G., Bloomfield, N. J., assignor to Swedish Iron & Steel Corporation, New York, N. Y. Carbonizing ferrous metal. 1,978,180; Oct. 23.
 Weimar, Andrew, assignor to Weimar Brothers, Philadelphia, Pa. Tape loom. 1,950,281; Mar. 6.
 Weimar Brothers. (See Weimar, Andrew, assignor.)
 Weimar, Edward, Hoboken, N. J., assignor of one-half to G. Naughton, Bronxville, N. Y. Coin slot purse. 1,981,975; Nov. 27.
 Weimer, Raymond S., Wilmington, Ill. Excavating and transporting earthy materials. 1,956,738; May 1.
 Weimers, Wilhelm, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electric drive for domestic utility devices. 1,950,651; Nov. 13.
 Wein, Meyer, Brooklyn, N. Y. Brush. 1,946,653; Feb. 13.
 Wein, Samuel, assignor to Radiovision Corporation, New York, N. Y. Photo-electric tube. 1,950,955; Mar. 13.
 Weinand, Klaus, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone derivative. 1,981,295; Nov. 20.
 Weinand, Klaus, Leverkusen-I. G. Werk, and H. Hertlein, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthraquinone series. 1,984,715; Dec. 18.
 Weinberg, Abraham A., Chicago, Ill. Water heating and circulating device. 1,964,838; July 3.
 Weinberger, Julius. (See Olson, H. F., and J. Weinberger.)
 Weinberger, Julius, New York, N. Y. Soundproof ventilator. 1,955,479; Apr. 17.
 Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Glowlamp. 1,954,231; Apr. 10.
 Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Superaudible phonograph recording system. 1,957,511; May 8.
 Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Phonograph reproducer with superaudible frequency. 1,957,512; May 8.
 Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Reproduction of sound pictures. 1,976,379; Oct. 9.
 Weinberger, Julius, New York, N. Y., T. A. Smith, Ridge-wood, N. J., and G. Rodwin, New York, N. Y., assignors to Radio Corporation of America. Television system. 1,975,055; Sept. 25.
 Weinberger, Samuel D., assignor to E. Fredericks, Inc., New York, N. Y. Permanent wave protector. 1,949,096; Feb. 27.
 Weindel, Fred, jr., assignor to L. F. Grammes & Sons, Allentown, Pa. Greeting card. 1,977,960; Oct. 23.
 Weinder, Frank, et al. (See Lewand, Valentine, assignor.)
 Weiner, Charles, assignor to Chicago Printed String Co., Chicago, Ill. Package or similar article. Des. 91,377; Jan. 16.
 Weiner, Charles, assignor to Chicago Printed String Co., Chicago, Ill. Ribbon or a similar article. Des. 92,989; Aug. 7.
 Weiner, Charles, assignor to Chicago Printed String Co., Chicago, Ill. Ribbon or a similar article. Des. 92,990; Aug. 7.
 Weiner, Charles, assignor to Chicago Printed String Co., Chicago, Ill. Gift wrapping ensemble. 1,942,673; Jan. 9.
 Weiner, Samuel N., Far Rockaway, assignor to Camille Lingerie, Inc., New York, N. Y. Seam for garments. 1,950,367; Mar. 6.
 Weingand, Richard, Bomlitz, near Walsrode, Germany. Manufacturing flat-walled or sheet-like cellulose products. 1,961,316; June 5.
 Weingand, Richard, Bomlitz, near Walsrode, Germany, assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Process of and apparatus for manufacturing seamless flexible tubes. Re19,329; Sept. 25.
 Weingartner, Anthony E., assignor to American Engineering Company, Philadelphia, Pa. Steam turbine, spur-gear power-box for stoker drives. 1,951,001; Mar. 13.
 Weingartner, Anthony E., Bethlehem, assignor to American Engineering Company, Philadelphia, Pa. Steam turbine, spur-gear power-box for stoker drives. 1,951,002; Mar. 13.
 Weingessel, Alois, Maltneuern, Czechoslovakia. Apparatus for storing and transfusing ignitable liquids. 1,965,089; July 3.
 Weinhardt, Carl J., and G. A. Danneker, assignors to Liberty Electric Company, Indianapolis, Ind. Electric stove. Des. 92,329; May 22.
 Weinheimer, Carl M., assignor to J. L. Weinheimer, Buffalo, N. Y. Refrigerator. 1,973,483; Oct. 30.
 Weinheimer, Jennie L. (See Weinheimer, Carl M., assignor.)
 Weinig, Arthur J., Golden, Colo. Separating apparatus. 1,948,606; Feb. 27.
 Weinig, Arthur J., and R. E. Cuthbertson, Golden, Colo., assignors to Cuban-American Manganese Corporation, New York, N. Y. Concentrating manganese ores. 1,955,039; Apr. 17.
 Weining, Harry H. (See Hunter, W. L., and Weining.)
 Weinke, Theodore A., Portland, Ore. Hose coupling. 1,974,635; Sept. 25.
 Weinlich, Hermann A., Berlin, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Debit and credit tabulator. 1,944,677; Jan. 23.
 Weinlich, Hermann A., and U. Kölm, Berlin, Germany, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card punch feed mechanism. 1,954,232; Apr. 10.
 Weinlich, Hermann A., Berlin-Charlottenburg, and U. Kölm, Berlin-Lankwitz, Germany, assignors, by mesne assignments, to International Business Machine Corporation, New York, N. Y. Substracting device. 1,981,977; Nov. 27.
 Weinman, George E. (See Inman, W. H., and Weinman.)
 Weinmann, Arthur, Preakness, and E. T. Boonstra, Paterson, N. J. Milk bottle hood. 1,982,334; Nov. 27.
 Weinrub, Israel, New York, N. Y. Curtain or the like. Des. 93,311; Sept. 11.
 Weinstat, Samuel, New York, N. Y. Shoe. Des. 93,061; Aug. 14.
 Weinstat, Samuel, New York, N. Y. Shoe. Des. 93,313; Sept. 11.
 Weinstat, Samuel, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 93,312; Sept. 11.
 Weinstat, Samuel, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 94,006; Dec. 4.
 Weinstat, Samuel, New York, N. Y., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. Des. 94,177; Dec. 25.
 Weinstein, Abraham S., Brighton, Mass. Rotary crown ventilator. 1,946,724; Feb. 13.
 Weinstein, Harris, New York, N. Y. Lady's coat. Des. 93,528; Oct. 2.
 Weinstein, Harris, New York, N. Y. Lady's coat. Des. 93,529; Oct. 2.
 Weinstein, Joseph, Jamaica, N. Y. Filter. 1,942,584; Jan. 9.
 Weinstein, Joseph, Brooklyn, N. Y. Amplifying stethoscope. 1,976,707; Oct. 9.
 Weinstein, Leon, St. Louis, Mo. Heel plate. 1,957,563; May 8.
 Weinstein, Louis H., Mount Vernon, N. Y. Fabric. 1,946,301; Feb. 6.
 Weir, Clarence T., and H. J. Dernehl, assignors to Mott Sand Blast Mfg. Co., Chicago, Ill. Sand blasting machine. 1,957,186; May 1.
 Weir, G. & J., Limited. (See Dight, Sydney R., assignor.)
 Weir, G. & J., Limited. (See Hillier, Harold, assignor.)
 Weir, G. & J., Limited. (See Hillier, H., and Macfarlane, J. C. and W. A.)
 Weir, G. & J., Limited. (See Sim, James, assignor.)
 Weir, Irvin R., Schenectady, N. Y., assignor to General Electric Company. High frequency energy dissipator. 1,958,255; May 8.

- Weir, James W., Los Angeles, and H. S. Montgomery, assignors of one-third to A. W. Knight, South Pasadena, Calif. Cleaning the walls of mudded bore-holes. 1,984,668; Dec. 18.
- Weir, John A. (See Sentner, P. J., and Weir.)
- Weirich, Clarence L., Westport, Conn. Foot tub. 1,965,558; July 3.
- Weirich, Clarence L., assignor to The C. B. Dolge Company, Westport, Conn. Soap dispenser. Des. 93,753; Oct. 30.
- Weirtz, Paul L., Akron, Ohio. Meat scoring machine. 1,985,125; Dec. 18.
- Weis, Albert H. (See Weis, John P. and A. H.)
- Weis, Arthur R. (See Bigelow, G. E., and Weis.)
- Weis, Carl J. (See Lindemann, W. C., Weis, and Schmidt.)
- Weis, John P., assignor to The Metropolitan Sewing Machine Corporation, Nyack, N. Y. Trimming attachment. 1,946,514; Feb. 13.
- Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Trimming machine. 1,946,556; Feb. 13.
- Weis, John P., assignor to The Metropolitan Sewing Machine Corporation, Nyack, N. Y. Trimming machine. 1,946,557; Feb. 13.
- Weis, John P., assignor to The Metropolitan Sewing Machine Corporation, Nyack, N. Y. Trimming mechanism. 1,946,558; Feb. 13.
- Weis, John P., assignor to The Metropolitan Sewing Machine Corporation, Nyack, N. Y. Edge finish for rugs. 1,953,522; Apr. 3.
- Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Puller feed machine. 1,957,238; May 1.
- Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Sewing machine. 1,975,813; Oct. 9.
- Weis, John P. and A. H., assignors to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Cross thread laying mechanism. 1,961,270; June 5.
- Weis, John P. and A. H., assignors to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Multiple needle ornamental stitch forming mechanism. 1,961,950; June 5.
- Weis, John P. and A. H., assignors to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Combined ruffling and ornamental stitching mechanism. 1,961,951; June 5.
- Weis, Paul, Nuremberg, Germany, assignor to Galex Die Casting Limited, Halesowen, near Birmingham, England. Casting or molding machine. 1,967,796; July 24.
- Weis, Paul B., Aurora, Ill., assignor to L. C. Smith & Corona Typewriters, Inc., New York, N. Y. Inking type impressions. 1,967,729; July 24.
- Weis, Richard, Zuffenhausen, Germany. Cage for anti-friction bearings. 1,966,775; July 17.
- Weis, William, assignor of two-thirds to E. M. Kline, and one-third to W. J. Wesseler, Cleveland, Ohio. Fluid compression apparatus. 1,967,167; July 17.
- Weisbaum Bros. Brower Company, The. (See Weisbaum, Jack, assignor.)
- Weisbaum, Jack, assignor to The Weisbaum Bros. Brower Company, Cincinnati, Ohio. Making neckties. 1,970,786; Aug. 21.
- Weisbecker, Frank G., Glenside, assignor to Arcadia Hosiery Company, Lansdale, Pa. Attachment for knitting machines. 1,979,212; Oct. 30.
- Weisbrod, Carl C., assignor to One Minute Washer Company, Newton, Iowa. Washing machine tub. Des. 94,178; Dec. 25.
- Weisbrod, Karl. (See Hubert, E., and Weisbrod.)
- Weisbrod, Lawrence G., Reading, Ohio. Container, dispensing, and display means for cakes, etc. 1,975,524; Oct. 2.
- Weisburd, Morris J., Brooklyn, N. Y. Footwear. 1,945,012; Jan. 30.
- Weise, Paul. (See Drucker, J., Lueg, and Weise.)
- Weisend, Otto F., Columbus, Ohio. Coat. 1,971,125; Aug. 21.
- Weisfeld, Emanuel, New York, N. Y. Tilting device for Venetian blinds. 1,952,739; Mar. 27.
- Weisgraber, Harold O., Norwich, Conn. Ladder bracket. 1,972,211; Sept. 4.
- Weisinger, Joseph, Newark, N. J. Airplane toy and instructor apparatus. 1,973,592; Sept. 11.
- Weiske, Paul, and K. Rupprecht, Berlin, Germany, assignors to General Electric Company. Motor control system. 1,951,225; Mar. 13.
- Weiskopf, Edwin C., New York, N. Y. Dispensing device. 1,946,559; Feb. 13.
- Weiskopf, Walter H., Cedarhurst, and J. W. Pickworth, Bronxville, N. Y. Plate girder. 1,946,049; Feb. 6.
- Weisman, Maurice. (See Gerard, A., and Weisman.)
- Weisner, Harry, Philadelphia, Pa. Seam pressing machine. 1,955,664; Apr. 17.
- Weisner, John H. (See Bennington, E. T., and Weisner.)
- Weiss, Albert J. (See Lewis, R. R., and Weiss.)
- Weiss, Arthur J. (See Franzen, E. T., and Weiss.)
- Weiss, Arthur J., West Orange, N. J., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Sole-afixing machine. 1,945,762; Feb. 6.
- Weiss, Arthur J., St. Albans, assignor to Robert Gair Company, Inc., New York, N. Y. Reclosable carton. 1,985,590; Dec. 25.
- Weiss, Carl W., Brooklyn, N. Y. Milling machine. 1,985,753; Dec. 25.
- Weiss, Charles, New York, N. Y. Container and device for safe delivery of perishable merchandise. 1,959,045; May 15.
- Weiss, Charles R., Indianapolis, Ind., assignor to Link Belt Company. Chain link. 1,979,592; Nov. 6.
- Weiss, Charles R., and W. R. Bennett, Indianapolis, Ind. Method and composition for delustering fabric. 1,942,523; Jan. 9.
- Weiss, Ernst, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Treating cellulose containing fabrics, threads, and the like and product therefrom. 1,985,124; Dec. 18.
- Weiss, Francis, New York, N. Y. Lamp. Des. 92,278; May 15.
- Weiss, Franz, Chicago, Ill. Silk screen printing method. 1,959,992; May 22.
- Weiss, Jenő, Budapest, Hungary. Irrigating. 1,943,152; Jan. 9.
- Weiss, Jerome, New York, N. Y. Manufacture of surgical bandages carrying plaster of Paris. 1,981,607; Nov. 20.
- Weiss, John M., assignor, by mesne assignments, to The Barrett Company, New York, N. Y. Distillation of tar. 1,942,195; Jan. 2.
- Weiss, John M., assignor to Davis Emergency Equipment Company, Incorporated, New York, N. Y. Oxidizing catalyst and making it. 1,971,168; Aug. 21.
- Weiss, Joseph J., New York, assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Display refrigerator. Des. 92,122; Apr. 24.
- Weiss, Leonhard. (See Dierichs, A., and Weiss.)
- Weiss, Max L., assignor of one-half to Benjamin Rabinowitz, Brooklyn, N. Y. Reversible strip winding device. 1,957,120; May 1.
- Weiss, Morris, Far Rockaway, assignor to Liberty Die & Button Mould Co., Inc., New York, N. Y. Buckle. 1,952,829; Mar. 27.
- Weiss, Samuel, Brooklyn, N. Y. Tag fastener. 1,961,806; June 5.
- Weiss, Samuel, Brooklyn, N. Y. Tag-fastener. 1,964,395; June 26.
- Weiss, Samuel, Brooklyn, N. Y. Tag and tag fastener. 1,982,940; Dec. 4.
- Weiss, Samuel L., Brooklyn, N. Y. Vaporizer. 1,981,765; Nov. 20.
- Weissbach, Helmut. (See Beck, C., Weissbach, and Diekmann.)
- Weisse, Ernst, Leipzig, Germany. Photographic camera. 1,979,719; Nov. 6.
- Weissenborn, Albert B., and W. E. Buchanan, assignors to Appleton Wire Works, Inc., Appleton, Wis. Wire fabric seam and producing same. 1,949,593; Mar. 6.
- Weissenborn, Albert B., and W. E. Buchanan, assignors to Appleton Wire Works, Inc., Appleton, Wis. Wire fabric seam. 1,973,189; Sept. 11.
- Weissenburger, Adolf, Evilard, near Biel, Switzerland. Weighing and price computing apparatus. 1,957,187; May 1.
- Weisser, Ernst. (See Kramer, H., Schumacher, and Weisser.)
- Weisser, Henry J., Pottstown, Pa. Theft detector. 1,971,361; Aug. 28.
- Weissman, Jack, and H. Zaretzky, Bronx, N. Y. Sawing apparatus. 1,984,508; Dec. 18.
- Weissman, Samuel M., assignor to S. M. Weissman and F. T. Crawford, Chicago, Ill. Rubber stamp mount. 1,952,302; Mar. 27.
- Weitermann, Otto. (See Stuhlmann, H. C., and Weitermann.)
- Weith, George S., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Moldable resinoid. 1,975,884; Oct. 9.
- Weitkam, Paul J. (See De Long, Harry D., assignor.)
- Weitzel, Charles F., and H. G. Potts, Wyandotte, Mich., and J. E. Underwood, Swarthmore, assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Method of chlorination. 1,971,241; Aug. 21.
- Weitzenkorn, Joseph W., Mount Lebanon, Pa. Surface coating castings. 1,981,403; Nov. 20.
- Weitzer, Solle J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing. 1,977,707; Oct. 23.
- Wej-Loek Manufacturing Company. (See Cole, Elmer K., assignor.)
- Wej-Loek Manufacturing Company. (See Handel, Charles E., assignor.)
- Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Clutch. 1,948,084; Feb. 20.
- Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Reversible split phase motor. 1,954,657; Apr. 10.
- Welch, Arthur R., assignor to Harbor Plywood Corporation, Hoquiam, Wash. Plywood joining machine. 1,977,660; Oct. 23.
- Welch, Arthur R., assignor to Harbor Plywood Corporation, Hoquiam, Wash. Doweling machine. 1,982,713; Dec. 4.
- Welch, Bert L. (See Slocum, J. H., and Welch.)
- Welch, Carl B. (See Belmont, Leonard L., assignor.)
- Welch, Edward E., Sacramento, Calif. Support for concrete reinforcing steel. 1,946,418; Feb. 6.
- Welch, Elmer B., assignor to Firth-Sterling Steel Company, McKeesport, Pa. Hard metal composition. 1,973,422; Sept. 11.
- Welch, George R., Detroit, Mich. Fuel pump for gasoline engines. 1,984,614; Dec. 18.

- Welch, Glen L., near Dayton, Ohio. Electrical connector. 1,956,842; May 1.
- Welch, Horace H., New York, N. Y., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Indicating liquid levels. 1,960,400; May 29.
- Welch, Horace H., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Indicating liquid levels. 1,960,401; May 29.
- Welch, James W., Oakland, Calif., assignor to Screw Machine Specialty Company. Grease pump lock. 1,970,637; Aug. 21.
- Welch, James W., Oakland, Calif., and R. P. Suess, Pittsburgh, Pa. Lubricant fitting. 1,970,638; Aug. 21.
- Welch, Kenneth C., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Illuminated case. 1,977,029; Oct. 16.
- Welch, Kenneth C., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Illuminated panel. 1,979,358; Nov. 6.
- Welch, Lourde J., Chicago, Ill. Printing. 1,964,236; June 26.
- Welch, Sidney A., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial silk or like threads and apparatus therefor. 1,959,452; May 22.
- Welch, Sidney A., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial filaments, threads, films, or the like. 1,983,330; Dec. 4.
- Welch, Sidney A., A. F. Guyler, J. T. Ashby, and W. H. Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America. Feeding of textile materials. 1,942,524; Jan. 9.
- Welch, Sidney A., A. F. Guyler, J. T. Ashby, and W. H. Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America. Knitting machine. 1,947,958; Feb. 20.
- Welch, Sidney A., A. F. Guyler, and W. H. Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America. Warp-stop mechanism for textile apparatus and machinery. 1,970,264; Aug. 14.
- Welch, Verne E., Mount Vernon, S. Dak. Pump. 1,966,325; July 10.
- Welch, W. M., Manufacturing Co. (See Kopp, R. A., and Peter, assignors.)
- Welchman, William A., London, England. Body of trucks, wagons, and the like. 1,962,629; June 12.
- Welcome, Carl J. (See Batten, H. M., and Welcome.)
- Welcome, Solon B., and O. W. Muff, assignors to Commercial Iron Works, Los Angeles, Calif. Orifice fitting. 1,958,599; May 15.
- Weld, Herbert, London, England. Reservoir pen. 1,961,807; June 5.
- Weld, Herbert W., Chicago, Ill. Glass construction. 1,943,995; Jan. 16.
- Welded Fabrics Corporation. (See Southwell, Raymond J., assignor.)
- Welden, William A., Stamford, Conn., assignor to Kantack & Company, Inc., New York, N. Y. Lighting fixture. 1,975,814; Oct. 9.
- Weldes, Friedrich, Munich, assignor to Lawaczek Gesellschaft mit beschränkter Haftung in Liquidation, Berlin, Germany. Insulating element for electrolytic cells. 1,951,814; Mar. 20.
- Welding Service, Inc. (See Kalenborn, Arion S., assignor.)
- Weldon, Ben B. (See Clark, Edward E., assignor.)
- Weldon, Isaac E., et al. (See Marten, Thomas H., assignor.)
- Weldon Tool Company, The. (See Gase, Carl G., assignor.)
- Welhofer, Robert V., Waterloo, Wis. Gaseous fuel generator. 1,984,716; Dec. 18.
- Welk, Nelson S. (See Connor, R. L., and Welk.)
- Welk, Nelson S. (See Rutkoskie, G. A., and Welk.)
- Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Loose leaf binder. 1,958,932; May 15.
- Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Printing press for printing wax carbon spots on sheets of paper. 1,961,826; June 5.
- Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Punching machine. 1,981,932; Nov. 27.
- Welke, Ferdinand G. (See Davission, D. W., and Welke.)
- Welke, Ferdinand G., San Francisco, Calif. Connecting rod reamer. 1,967,387; July 24.
- Welker Die & Machine Works. (See Lowe, William J., assignor.)
- Welker, Lee, et al. (See Howell, David, assignor.)
- Welker, Sarah B. (See Lowe, William J., assignor.)
- Wellborne, Belton T. (See Pearson, H. J. C., and Wellborne.)
- Weller, Arthur A., Providence, R. I., assignor to The Mason Box Company, Attleboro, Mass. Box fastener. 1,953,322; Apr. 3.
- Weller, Arvid B. (See Kettelson, Harry C., assignor.)
- Weller, Burt I. (See Gemeny, B. B., and Weller.)
- Weller, Irving F., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,946,302; Feb. 6.
- Weller, John H., assignor to Sargent & Company, New Haven, Conn. Reinforced molded article of builders' hardware. 1,942,525; Jan. 9.
- Weller, Marcus D., Allentown, Pa. Direction signal for motor vehicles. 1,961,995; June 5.
- Weller, William W., Summit, N. J., assignor to Amalgamated Products Co. Inc. Cleaning pad holder and rewetter. 1,943,647; Jan. 16.
- Wellington, Barrett R., Troy, N. Y. Calculating device. 1,965,017; July 3.
- Wellington, Barrett R., Troy, N. Y. Calculating device. 1,965,062; July 3.
- Wellington, Hugo W. H. (See Dillon, R. E., Wellington, and Grant.)
- Wellington Machine Company, The. (See Gannett, Chauncey W., assignor.)
- Wellisch, Dragutin, Zagreb, Yugoslavia. Apparatus for the manufacture of superphosphate and like products. 1,959,973; May 22.
- Welliver, Jacob D., Tacoma, Wash. Folding chair. 1,959,046; May 15.
- Welliver, Le Roy, and W. P. Kimball, St. Paul, Minn.; said Kimball assignor to said Welliver. Detachable cover for paper bound books. 1,965,679; July 10.
- Wellman Bronze and Aluminum Company, The. (See Eisele, Herman, assignor.)
- Wellman, Charles E., assignor to Ford Motor Company, Dearborn, Mich. Wire connector. 1,975,885; Oct. 9.
- Wellman, Charles P., Medford, Mass. Collapsible container. 1,955,865; Apr. 24.
- Wellman Engineering Company, The. (See Case, Arthur F., assignor.)
- Wellman Engineering Company, The. (See Gibson, Alfred E., assignor.)
- Wellman Engineering Company, The. (See Robin, Philip T., assignor.)
- Wellman Engineering Company, The. (See Swalley, William C., assignor.)
- Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Safety screen for motion-picture apparatus. 1,942,230; Jan. 2.
- Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Film winding mechanism. 1,962,373; June 12.
- Wellman Seaver Rolling Mill Company, The, et al. (See Smith, Sydney, assignor.)
- Wellman Seaver Rolling Mill Co. Ltd. (See Smith, Sydney, assignor.)
- Wellman Smith Owen Engineering Corporation Limited, The. (See Soward, Henry W., assignor.)
- Wellons, Charles M., Bellevue, Pa. Fastening for gratings. 1,941,589; Jan. 2.
- Wells, C. G., et al. (See Walker, Jay P., assignor.)
- Wells, Charles G., et al. (See Marvin, Samuel W., assignor.)
- Wells, Frank O., Greenfield, Mass. Limit gauge. 1,952,190; Mar. 27.
- Wells, Freeland. (See Bouvier, H. K., and Wells.)
- Wells-Gardner and Co. (See Unger, Erwin E., assignor.)
- Wells, Harold D., Glens Falls, N. Y. Continuous pulp selector. 1,951,684; Mar. 20.
- Wells, Harry H., and E. E. Brown, Ferndale, Mich. Automatic take-up for rocker arms. 1,967,918; July 24.
- Wells, Joel C., Southbridge, Mass. Ophthalmic mounting. 1,942,851; Jan. 9.
- Wells, John C. (See Anderson, J. L., and Wells.)
- Wells, John W., Sourlake, Tex. Automatic danger signal. 1,953,546; Apr. 3.
- Wells, Joseph H. (See Bircher, J. R., Seyler, and Wells.)
- Wells, Maurice T., Amesbury, assignor of one-third to J. H. Goldman and one-third to J. Goldman, Boston, Mass. Filter pad. 1,955,158; Apr. 17.
- Wells, Maurice T., Amesbury, assignor of one-third to J. H. Goldman and one-third to J. Goldman, Boston, Mass. Method of and apparatus for filtering fluid. 1,966,274; July 10.
- Wells, Norman, London, England, assignor to Radio Corporation of America. Thermionic modulating system. 1,950,464; Mar. 13.
- Wells, Paul H., Chicago, Ill. Attachment for bathing infants. 1,950,709; Mar. 13.
- Wells, Raymond L., Attleboro, Mass. Safety catch. 1,980,124; Nov. 6.
- Wells, Russell D., Pottstown, Pa. Concealed hinge mechanism for range doors. 1,983,686; Dec. 11.
- Wells, Sidney D., Combined Locks, Wis. Apparatus for treating fibrous material. 1,949,669; Mar. 6.
- Wells, Sidney D., assignor to L. L. Alsted, Appleton, Wis. Method and apparatus for removing printing ink from paper. 1,962,164; June 12.
- Wells, Sidney D., Appleton, Wis., and W. B. Cramer, Denver, Colo., assignors to L. J. Alsted, Appleton, Wis. Purification of deinking wastes and other industrial effluents. 1,982,129; Nov. 27.
- Wells, Stanley A. E. (See Murphy, A. J., and Wells.)
- Wells, Walter T., Glendale, Calif. Setting tool for setting a liner in an oil well or the like. 1,944,481; Jan. 23.
- Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,960,765; May 29.
- Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,960,766; May 29.
- Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Reflector button sign. 1,963,728; June 19.
- Wels, Günter, Berlin-Johannisthal, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,951,112; Mar. 13.
- Welsbach Company. (See Wegener, Francis A., assignor.)

- Welsbach Street Lighting Company of America. (See Beck, M. B., and Whittaker, assignors.)
- Welsbach Traffic Signal Company. (See Keith, W. G., and Manarik, assignors.)
- Welsbach Traffic Signal Company. (See Le Gorre, Jean L., assignor.)
- Welsford, Hubert G., and A. N. Russell, Montreal, Quebec, Canada. Crusher. 1,941,770; Jan. 2.
- Welsford, Hubert G., and A. N. Russell, Montreal, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Pulp refiner. 1,961,808; June 5.
- Welsh, Edward M., assignor to Poster Advertising Corporation of America, Los Angeles, Calif. Display apparatus. 1,964,549; June 26.
- Welsh, Harry S., and W. C. Barber, Rochester, N. Y. Combination radiator and humidifier. 1,979,427; Nov. 6.
- Welsh-Hartman Co. (See Burst, Carl W., assignor.)
- Welsh, James W., assignor to The Welsh Manufacturing Company, Providence, R. I. Nose guard and making the same. 1,955,843; Apr. 24.
- Welsh, John E., et al. (See Stevens Wesley E., assignor.)
- Welsh, John T., Ridgway, Pa. Purification of liquid. 1,984,003; Dec. 11.
- Welsh, John T., Ridgway, Pa. Separation of oil. 1,985,591; Dec. 25.
- Welsh Manufacturing Company, The. (See Welsh, James W., assignor.)
- Welsh, Wilmer. (See Stoltz, C. F., and Welsh.)
- Welter, Gustave, assignor to The Bigelow Company, New Haven, Conn. Boiler construction. 1,983,649; Dec. 11.
- Welter, Herman C., assignor to Hall-Welter Co., Inc., Rochester, N. Y. Check writer. 1,959,186; May 15.
- Welton, Albert S., assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 1,958,650; May 15.
- Welty, Albert B. (See Raney, C. R., and Welty.)
- Welty, Albert B., Kenilworth, Ill., assignor to International Harvester Company. Straw windrower for harvester-threshers. 1,946,654; Feb. 13.
- Welty, Albert B., Kenilworth, Ill., assignor to International Harvester Company. Harvester thresher. 1,964,491; June 26.
- Welty, Albert B., Kenilworth, Ill., assignor to International Harvester Company. Combination wheel for harvester threshers. 1,973,969; Sept. 18.
- Welty, Albert B., Chicago, Ill., assignor to International Harvester Company. Harvester thresher. 1,948,895; Feb. 27.
- Wen, Abraham L., Topeka, Kans. Gas burner. 1,981,976; Nov. 27.
- Wemmer, James B. (See Gudgeon, S. A., and Wemmer.)
- Wemp, Ernest E., Detroit, Mich. Clutch. 1,944,337; Jan. 23.
- Wemp, Ernest E., Detroit, Mich. Clutch construction. 1,962,797; June 12.
- Wemp, Ernest E., Detroit, Mich. Clutch control. 1,968,274; July 31.
- Wemp, Ernest E., Detroit, Mich. Centrifugal clutch. 1,975,185; Oct. 2.
- Wemp, Ernest E., Detroit, Mich. Clutch. 1,978,658; Oct. 30.
- Wemp, Ernest E., Detroit, Mich. Flexible drive and dampener. 1,978,922; Oct. 30.
- Wemp, Ernest E., Detroit, Mich. Driving mechanism. 1,985,126; Dec. 18.
- Wemp, Ernest E., Detroit, Mich. Power transmitting mechanism. 1,985,127; Dec. 18.
- Wempe, Friedrich, assignor to Schmidt'sche Heissdampf-Gesellschaft, m. b. H., Kassel-Wilhelmshöhe, Germany. Water tub boiler. 1,972,504; Sept. 4.
- Wenand, J. H., et al. (See Steele, Claude A., assignor.)
- Wenar, Leo, New York, N. Y. Unit pricing or lettering system and card display holder. 1,971,738; Aug. 28.
- Wencz, George J., Lakewood, N. J. Sealing strip for buildings. 1,950,014; Mar. 6.
- Wenzler, Lajos. (See Uher, E., and Wenzler.)
- Wendel, Frans B. (See Cornell, E. S., Jr., and Wendel.)
- Wendel, Frans B., Brooklyn, N. Y. Package opener. 1,982,973; Dec. 4.
- Wendell, Frederic N. (See Wendell, Herman E. and F. N.)
- Wendell, Herman E., and F. N., St. Petersburg, Fla. Container. 1,955,663; Apr. 17.
- Wendell, Samuel I., Chicago, Ill. Compass. 1,945,713; Feb. 6.
- Wendeln, George. (See Boehmer, H. A., Schenck, and Wendeln.)
- Wendnagel, Charles M. E., Chicago, Ill. Chamfering machine. 1,983,719; Dec. 11.
- Wendt, Bruno, and A. Fröhlich, Dessau in Anhalt, Germany, assignors to Acfa Ansco Corporation, Binghamton, N. Y. Sensitizing of bleaching-out layers. 1,955,898; Apr. 24.
- Wendt, Eric C., Grafton, Wis. Structural supporting means. 1,960,652; May 29.
- Wendt, Gustav C. (See Miller, E., and Wendt.)
- Wendt, Henry W., Jr., administrator. (See Ellzey, Esco F.)
- Wendt, Herman D., West Chester, assignor to Milk Processes, Incorporated, Philadelphia, Pa. Cream process and article. Re19,123; Mar. 27.
- Wendt, Herman D., West Chester, assignor to Milk Processes, Inc., Philadelphia, Pa. Making butter. 1,977,927; Oct. 23.
- Wendt, Herman D., West Chester, assignor to Milk Processes, Inc., Philadelphia, Pa. Cream process. 1,977,928; Oct. 23.
- Wendt, Herman D., West Chester, assignor to Milk Processes, Inc., Philadelphia, Pa. Making butter. 1,977,929; Oct. 23.
- Wengard, Ben, Waterloo, Iowa. Tire cover. 1,967,522; July 24.
- Wengel, Eugene, Detroit, Mich. Sausage machine. 1,946,541; Feb. 20.
- Wenger, Aaron, Bayonne, N. J. Mop wringer. 1,955,444; Apr. 17.
- Wenger, Aaron, Bayonne, N. J. Mop wringer. 1,955,445; Apr. 17.
- Wenger, Edgar, Calgary, Alberta, Canada. Water heater. 1,964,306; June 26.
- Wenger, Wiley D., Shenandoah, Iowa. Phonograph needle. 1,980,511; Nov. 13.
- Weniger, Willibald, Corvallis, Oreg. Typewriter attachment. 1,978,068; Oct. 23.
- Wening, Frederick. (See Glathar, G. E., and Wening.)
- Wenk, Berthold. (See Weller, M., Wenk, and Stötter.)
- Wenk, George J., Woodhaven, N. Y. Self-locking seal. 1,964,013; June 26.
- Wenk, George J., Woodhaven, N. Y. Self-locking seal. 1,964,014; June 26.
- Wenk, George J., Woodhaven, N. Y. Self-locking seal. 1,964,015; June 26.
- Wenk, George J., Woodhaven, N. Y. Self-locking seal. 1,964,897; July 3.
- Wenker, Henry, Elizabeth, N. J. Azo dyes. 1,975,340; Oct. 2.
- Wenneborg, Henry H., Springfield, Ill. Artificial knee joint. 1,966,574; July 17.
- Wenner, Rolland B., Wilson Borough, assignor to Easton Trust Company, Easton, Pa. Direct disk braking device. 1,979,181; Oct. 30.
- Wenner, Rolland B., Wilson Burrough, assignor to Easton Trust Company, Easton, Pa. Internal shoe and drum brake. 1,985,128; Dec. 18.
- Wennerstrom, Carl G., Evanston, Ill., assignor to Universal Gear Corporation, Indianapolis, Ind. Housing for a floor treating machine. Des. 92,635; June 26.
- Wennerstrom, Carl G., Evanston, assignor to Universal Gear Corporation, Chicago, Ill. Clutch. 1,949,702; Mar. 6.
- Wennerstrom, Frederick A., Grand Rapids, Mich. Razor blade holder. 1,984,906; Dec. 18.
- Wensley, Roy J., South Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Harmonic-frequency timing system. 1,955,316; Apr. 17.
- Wensley, Roy J., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Theater switchboard. 1,962,335; June 12.
- Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound radiator. 1,970,926; Aug. 21.
- Wentjar, Herman, assignor of one-half to R. F. Dotsch, Olympia, Wash. Veneer machine. 1,946,375; Feb. 6.
- Wentorf, Robert H., assignor to West Bend Aluminum Company, West Bend, Wis. Dispenser. 1,966,326; July 10.
- Wentworth, Clinton H., and L. H. Wallner, Los Angeles, Calif.; said Wallner assignor to Wentworth. Radiator. 1,969,439; Aug. 7.
- Wentworth, Philip C., Providence, R. I. Traveler. 1,953,323; Apr. 3.
- Wentworth, Philip C., Providence, R. I. Traveler. 1,984,779; Dec. 18.
- Wentworth, Robert S., assignor to National Radiator Corporation, Johnstown, Pa. End section for convectors. 1,948,149; Feb. 20.
- Wentworth, Robert S., Providence, R. I., assignor to National Radiator Corporation, Johnstown, Pa. Convector. 1,953,324; Apr. 3.
- Wentworth, Robert S., Providence, R. I., assignor to National Radiator Corporation, Johnstown, Pa. Convector. 1,959,013; May 15.
- Wentworth, Rollins. (See Dirkes, R. F., and Wentworth.)
- Wentz, Edward C., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Compensated current transformer. 1,955,317; Apr. 17.
- Wentz, Henry J., St. Paul, Minn. Door closer and fly chaser. 1,973,970; Sept. 18.
- Wentz, Howard B., and J. B. Pridgen, Charlotte, N. C. Traffic line painting machine. 1,956,602; May 1.
- Wentzell, Russell E., Greensburg, Pa. Insect trap. 1,981,683; Nov. 20.
- Wenzel, Emil, assignor to Ernst Gessner Aktiengesellschaft, Aue, Germany. Ring spinning frame. 1,962,265; June 12.
- Wenzel, Milton S., Milwaukee, Wis. Thermohydraulic heat regulator. 1,976,313; Oct. 9.
- Wenzel, Wilhelm, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Carrying out catalytic oxidations. 1,977,978; Oct. 23.
- Wepco Steel Products Co. (See Moorman, Charles L., assignor.)
- Wensco Steel Products Co. (See Moorman, C. L., and Davis, assignors.)
- Werber, Phil J., and J. C. Sampson, St. Louis, assignors of one-half to F. E. Terrio, Webster Groves, Mo. Drinking vessel. 1,975,241; Oct. 2.

- Werder, John F., Cleveland, Ohio, assignor of one-half to E. Rogers. Making manually operated valves. 1,943,708; Jan. 16.
- Werder, John F., Lakewood, assignor of one-half to E. Rogers, South Euclid, Ohio. Mechanism for soldering metal containers. 1,957,683; May 8.
- Werder, John F., Lakewood, assignor of one-half to E. Rogers, South Euclid, Ohio. Lubricating oil. 1,971,243; Aug. 21.
- Werhan, Lawrence L. (See Werhan, William H. and L. L., and Usrey.)
- Werhan, William H. and L. L., and F. S. Usrey, Pasadena, Calif. Humidifier. 1,942,502; Jan. 9.
- Werk, Casimir L., Jr., Cincinnati, Ohio. Punching machine. 1,945,794; Feb. 6.
- Werkspoor N. V. (See Bonath, Richard, assignor.)
- Werkspoor, N. V. (See Kuyk, Egbert, assignor.)
- Werme, Melcher G., and A. H. Evans, Worcester, Mass., assignors to E. C. Bower and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Balanced spiral fabrics. 1,961,317; June 5.
- Wermich, Otto M., Des Plaines, Ill. Radiator ornament. Des. 93,754; Oct. 30.
- Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric outlet. 1,983,157; Dec. 4.
- Werner, Albert, assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Distributing cigarettes delivered from a continuous rod cigarette machine. 1,951,589; Mar. 20.
- Werner, Arnold. (See Hardtmann, M., and Werner.)
- Werner, Arthur W. (See Walker, E. L., and Werner.)
- Werner, Arthur W., assignor to Kieckhefer Container Company, Milwaukee, Wis. Folding machine. 1,955,398; Apr. 17.
- Werner, Calvin J. (See Brewer, F. T., and Werner.)
- Werner, Calvin J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Switch. 1,980,457; Nov. 13.
- Werner, Calvin J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Thermostatic switch. 1,981,933; Nov. 27.
- Werner, Calvin J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Thermostatic switch. 1,981,934; Nov. 27.
- Werner, Charles P., Jackson Heights, assignor, by mesne assignments, to Duroi Products Corporation, New York, N. Y. Mixer and beater. 1,984,557; Dec. 18.
- Werner, Elmer C., and L. X. Burger, assignors to The New Delphos Manufacturing Company, Delphos, Ohio. Container. Des. 94,007; Dec. 4.
- Werner, Eugene K., New York, N. Y. Fountain pen. 1,959,187; May 15.
- Werner, Frank C., Grand Rapids, Mich. Cooky. Des. 92,508; June 12.
- Werner, Frank C., Grand Rapids, Mich. Cooky press. 1,964,969; July 3.
- Werner, Frank C., Grand Rapids, Mich. Cooky machine. 1,971,087; Aug. 21.
- Werner, Gilbert H., Portage Township, Porter County, Ind. Tie plate. 1,982,239; Nov. 27.
- Werner, Gustav, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Cable fastening. 1,965,270; July 3.
- Werner, Gustav, and K. Kleinert, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Incandescent wire ignition plug. 1,976,466; Oct. 9.
- Werner, Herman C. (See Chandler, F. M., and Werner.)
- Werner, Leo J., Arlington, assignor to Garfield Manufacturing Company, Wallington, N. J. Electrical connector. 1,970,587; Aug. 21.
- Werner, Ludlow E., Brooklyn, N. Y. Window opening and closing device. 1,946,050; Feb. 6.
- Werner, Ludlow E., Brooklyn, N. Y. Mixing machine. 1,982,847; Dec. 4.
- Werner, Ludwig, Brooklyn, N. Y. Hair drying apparatus. 1,965,090; July 3.
- Werner, Ludwig, Brooklyn, N. Y. Hair drying apparatus. 1,966,084; July 10.
- Werner, Ludwig, Brooklyn, assignor to Eastern Laboratories Incorporated, New York, N. Y. Hair drying apparatus. Re 19,404; Dec. 18.
- Werner, Nels E., Oklahoma City, Okla. Cross flame gas burner. 1,960,609; May 29.
- Werner, Oscar, South Bend, Ind., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Beacon and air current indicator. 1,976,706; Oct. 9.
- Werner, Oswald, Muschwitz, Germany. Weed-cutter in connection with potato-diggers. 1,982,240; Nov. 27.
- Werner, Otto. (See Wilkes, C. H., and Werner.)
- Werner, Wilbur S., South Fort Mitchell, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. Voltage regulating apparatus. 1,967,108; July 17.
- Werner, William J., Ridgewood, N. Y. Window seat. 1,962,976; June 12.
- Wernert, Karl, Mulheim-on-the-Ruhr, Germany. Submersible pump. 1,947,630; Feb. 20.
- Werness, Leon J., and R. C. Proudft, Minneapolis, Minn., assignors to Undertakers Supply Company, Chicago, Ill. Undertaker's block. 1,973,240; Sept. 11.
- Wernhardt, Kurt, Berlin, Germany. Dowel pin for connecting parts of machinery, apparatus, and the like. 1,972,119; Sept. 4.
- Wernli, John G., South Pasadena, Calif. Ironing board. 1,973,832; Sept. 18.
- Wertz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters and making the same. 1,963,108; June 19.
- Werring, Francis W., assignor to Kitson Company, Philadelphia, Pa. Fluid temperature limiting electric cut-out device. 1,981,484; Nov. 20.
- Werthiem, Adolph, Brooklyn, N. Y. Shoe. Des. 93,588; Oct. 9.
- Werthiem, Adolph, Brooklyn, N. Y. Shoe. Des. 93,589; Oct. 9.
- Werthiem, Adolph, Brooklyn, N. Y. Shoe. Des. 93,590; Oct. 9.
- Werts, Charles J., London, England. Cash register. 1,974,699; Sept. 25.
- Wertz, Austin L., Lakewood, Ohio. Self-locking device. 1,950,368; Mar. 6.
- Wertz, Daniel L., assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism for internal combustion engines. 1,981,209; Nov. 20.
- Wertz, Daniel L., assignor to Eclipse Machine Company, Elmira, N. Y. Electrical system for internal combustion engines. 1,985,129; Dec. 18.
- Wertz, Louis S., Shaker Heights, Ohio. Repairing masonry structures. 1,953,452; Apr. 3.
- Wertz, Roy O., Cleveland Heights, assignor to The Ohio Electric Mfg. Company, Cleveland, Ohio. Motor control system. 1,981,259; Nov. 20.
- Werum, William C., Whittaker, Mich. Press for forming comb-honey sections. 1,959,089; May 15.
- Wesche, Bjarne A., Cincinnati, Ohio. Single phase electric motor speed control. 1,942,585; Jan. 9.
- Wescott, Ernest W., Niagara Falls, N. Y., assignor, by mesne assignments, to Sulphide Corporation. Method of and apparatus for condensing sulphur. 1,957,006; May 1.
- Wesel, F., Manufacturing Company. (See Annick, Michael, assignor.)
- Wesel, F., Manufacturing Company. (See Fleming, David H., assignor.)
- Wesel, F., Manufacturing Company. (See Watres, Lewis S., assignor.)
- Wesemeyer, Dietrich F. O., Fords, N. J. Pneumatic suspension device. 1,969,490; Aug. 7.
- Wesley, Arthur, assignor to Burton-Dixie Corporation, Chicago, Ill. Bed spring. 1,962,885; June 12.
- Wesley, Arthur, assignor to Burton-Dixie Corporation, Chicago, Ill. Studio couch. 1,967,343; July 24.
- Wesley, Dell H., Mardela Springs, Md. Ventilating system. 1,984,294; Dec. 11.
- Wesp, George, assignor to Continental Ceramics Corporation, New York, N. Y. Plate or similar article. Des. 92,381; May 29.
- Wessel, Howard H., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electrical connector. 1,946,889; Feb. 13.
- Wessel, Paul R. A., Burlingame, Calif. Coffee roaster. 1,945,129; Jan. 30.
- Wessel, Walter, Hartford, Conn. Turbine. 1,965,817; July 10.
- Wesseler, William J. (See Roy, Clarence H., assignor.)
- Wesseler, William J., et al. (See Weis, William, assignor.)
- Wesseler, William J., East Cleveland, Ohio. Knitted fabric and method of and apparatus for making the same. 1,968,061; July 31.
- Wessels, Herman, Louisville, Ky. Draft and heat regulator. 1,953,874; Apr. 3.
- Wessman, Edwin, Chicago, Ill. Automobile bed. 1,943,648; Jan. 16.
- Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Capping machine. 1,963,316; June 19.
- Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispenser. 1,964,335; June 26.
- West, Aubra T., Seattle, Wash. Expanding capsule body. 1,957,564; May 8.
- West, Ben J., Puyallup, Wash. Hydraulic windshield cleaner. 1,973,939; Sept. 18.
- West, Brennan B., Cleveland Heights, Ohio. Shoe calk. 1,975,133; Oct. 2.
- West, Charles P., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Generator voltage regulator. 1,985,004; Dec. 18.
- West, Constance L., and F. R. West, Highland Park, Mich. Sharp freezing structure. 1,943,466; Jan. 16.
- West, Delos E., and N. S. Palmer, Ithaca, N. Y. Flush valve. 1,961,469; June 5.
- West, Donald H., Marlboro, Mass. Hydraulic actuating mechanism. 1,970,530; Aug. 14.
- West, Emerson C., Weatherly, Pa. Device for spanning fabric during drying. 1,962,798; June 12.
- West, Ernest. (See West, Frederick J. and E.)
- West, Frank R. (See West, Constance L. and F. R.)
- West, Frank R., Highland Park, Mich. Compressor structure. 1,961,918; June 5.
- West, Frank R., assignor of one-half to H. A. Todd, Highland Park, Mich. Sealed pumping apparatus. 1,955,992; Apr. 24.
- West, Frank W., Bellefonte, Pa. Meat tenderer. Des. 93,368; Sept. 18.
- West, Frederick J., and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Belt or band conveyer. 1,945,300; Jan. 30.

- West, Frederick S., assignor to Peerless Pattern Works, Detroit, Mich. Universally adjustable high speed tool mounting. 1,968,362; July 31.
- West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Builder mechanism for spinning and twisting machines. 1,984,615; Dec. 18.
- West, George H. B., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Grease retaining seal cover for storage batteries. 1,953,576; Apr. 3.
- West, George H. B., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Grease retaining seal nut for storage batteries. 1,953,577; Apr. 3.
- West, George L., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Ornamental glass and making the same. 1,983,720; Dec. 11.
- West, Herbert J., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Production of dibenzanthrone. 1,941,771; Jan. 2.
- West, Herman O., Philadelphia, Pa. Plunger for hypodermic syringes. 1,961,023; May 29.
- West, Homer B., and L. E. Sauer, Sharon, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical winding. 1,955,318; Apr. 17.
- West, James G. (See Armitage, A. B., and West.)
- West, John W., Maplewood, N. J., assignor, by mesne assignments, to Good Humor Corporation of America. Frozen confection. Des. 92,279; May 15.
- West, John W., Maplewood, N. J. Cutting and punching machine for frozen confections. 1,963,768; June 19.
- West, John W., New York, N. Y., assignor, by mesne assignments, to Good Humor Corporation of America. Carrier-holder device. 1,960,934; May 29.
- West, Josef A., Kellogg, Idaho. Direction indicator. 1,969,052; Aug. 7.
- West, Julian M., Nutley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission line. 1,970,350; Aug. 14.
- West, Lawrence B. (See Wall, Marion P., assignor.)
- West, Merle J., San Francisco, Calif., assignor to R. M. Lackey, Cohoes, N. Y. Bottle carrier. 1,982,276; Nov. 27.
- West, Paul F., Philadelphia, Pa. Helicopter lifting screw and operating mechanism therefor. 1,942,883; Jan. 9.
- West, Peter D., San Pedro, Calif. Doorcatch. 1,973,971; Sept. 18.
- West, Ralph H., Willoughby, assignor to The West Steel Casting Company, Cleveland, Ohio. Step for manholes. 1,944,384; Jan. 23.
- West Steel Casting Company, The. (See Jobski, Otto H., assignor.)
- West Steel Casting Company, The. (See West, Ralph H., assignor.)
- Westad, August. (See Birrer, Alfred, assignor.)
- West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)
- West Bend Aluminum Company. (See Wentorf, Robert H., assignor.)
- Westberg, Edward, Glendale, Calif. Building lath. 1,952,481; Mar. 27.
- Westberg, Gustave E. (See Westberg, H., and McCormack, assignors.)
- Westberg, Gustave E., and L. E. McCormack, Los Angeles, Calif. Plastering machine. 1,954,005; Apr. 10.
- Westberg, Harry, and L. E. McCormack, assignors of thirty-three and one-third per cent to Gustave E. Westberg, Los Angeles, Calif. Concrete conveying and mixing machine. 1,953,091; Apr. 3.
- West Branch Novelty Company. (See Weber, John, assignor.)
- Westburgh, Arthur E., assignor to E. R. Haglund, Jamestown, N. Y. Lubricator. 1,983,504; Dec. 4.
- West Coast Pipe & Steel Company, et al. (See Balaam, Maurice A., assignor.)
- West Coast Pipe and Steel Co., et al. (See Lambie, John A., assignor.)
- Westcott, Brayton W., assignor to Zenith-Detroit Corporation, Detroit, Mich. Carburetor. 1,948,999; Feb. 27.
- West End Chemical Company. (See Hellmers, Henry D., assignor.)
- Westendorp, Hans, Berlin-Baumschulenweg, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Focusing means in photographic enlarging apparatus. 1,950,533; Mar. 13.
- Westendorp, Willem F. (See Found, C. G., and Westendorp.)
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Electric illuminating apparatus. 1,942,078; Jan. 2.
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Apparatus for controlling discharge lamps. 1,976,645; Oct. 9.
- Westerberg, Carl A. A., Djursholm, assignor to Aktiebolaget Superior, Stockholm, Sweden. Soot blower. 1,984,295; Dec. 11.
- Westerfelhaus, Raymond, assignor to Frank Adam Electric Co., St. Louis, Mo. Latched-in contactor relay. 1,980,458; Nov. 13.
- Westerlind, Arthur B., and C. A. Jacobson, assignors to Hastings Manufacturing Company, Hastings, Mich. Manufacturing piston rings. 1,953,666; Apr. 3.
- Western Air Motors Corporation. (See Fick, Ferdinand E., assignor.)
- Western-Austin Company. (See Benbow, J. D., and Green, assignors.)
- Western-Austin Company. (See Burner, William L., assignor.)
- Western-Austin Company. (See Green, J. B., and Rathmell, assignors.)
- Western-Austin Company. (See Slaker, Joseph H., assignor.)
- Western-Austin Company. (See Wilson, Fred D., assignor.)
- Western Bakeries Corporation. (See Costello, Thomas C., assignor.)
- Western Battery and Supply Company, The. (See Bible, Walter E., assignor.)
- Western Bottle Manufacturing Co. (See Teller, W. Kedzie, assignor.)
- Western Brick Company. (See Butterworth, F. W., and Cline, assignors.)
- Western Brick Company. (See Butterworth, F. W., Dougherty, and Cline, assignors.)
- Western Cartridge Company. (See McBride, George A., assignor.)
- Western Cartridge Company. (See Schuricht, Alfons G., assignor.)
- Western Cartridge Company. (See Tibbitts, G. C., and Seavey, assignors.)
- Western Clock Company. (See Greenleaf, William H., assignor.)
- Western Clock Company. (See Henry, Emil F., assignor.)
- Western Clock Company. (See Neureuther, Andrew H., assignor.)
- Western Clock Company. (See Schlenker, Max, assignor.)
- Western Electric Company. (See Andrews, John W., assignor.)
- Western Electric Company. (See Arkema, H. P., and Trebes, assignors.)
- Western Electric Company. (See Avery, G. R., and Kress, assignors.)
- Western Electric Company. (See Bazuley, Eric, assignor.)
- Western Electric Company. (See Barrans, W. T., and Ford, assignors.)
- Western Electric Company. (See Bollinger, Charles, assignor.)
- Western Electric Company. (See Bone, Ronald S., assignor.)
- Western Electric Company. (See Boss, Sidney H., assignor.)
- Western Electric Company. (See Boynton, Stanley E., assignor.)
- Western Electric Company. (See Brodie, George H., assignor.)
- Western Electric Company. (See Bureau, Arthur A., assignor.)
- Western Electric Company. (See Bureau, A. A., and Clemmons, assignors.)
- Western Electric Company. (See Carlson, Richard E., assignor.)
- Western Electric Company. (See Cary, M. C., and Hill, assignors.)
- Western Electric Company. (See Curtis, Austen M., assignor.)
- Western Electric Company. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemse, assignors.)
- Western Electric Company. (See Dallas, Lawrence M., assignor.)
- Western Electric Company. (See Dippel, Cornelius S., assignor.)
- Western Electric Company. (See Dixon, E. M., and Konicek, assignors.)
- Western Electric Company. (See Dupre, Louis M., assignor.)
- Western Electric Company. (See Dvorak, James J., assignor.)
- Western Electric Company. (See Franks, Clem H., assignor.)
- Western Electric Company. (See Franz, Erwin E., assignor.)
- Western Electric Company. (See Frederick, Halsey A., assignor.)
- Western Electric Company. (See Freyman, Fred, assignor.)
- Western Electric Company. (See Fruth, Hal F., assignor.)
- Western Electric Company. (See Fruth, H. F., and Reading, assignors.)
- Western Electric Company. (See Gibson, W. T., and Boulesteau, assignors.)
- Western Electric Company. (See Haegeler, O. P., and Larson, assignors.)
- Western Electric Company. (See Hanson, Estyle D., assignor.)
- Western Electric Company. (See Harris, Robert A., assignor.)
- Western Electric Company. (See Heinicke, Herbert M. E., assignor.)
- Western Electric Company. (See Henderson, Fred E., assignor.)
- Western Electric Company. (See Herwehe, Frederick A., assignor.)
- Western Electric Company. (See Hill, Walter M., assignor.)
- Western Electric Company. (See Irwin, Bernard F., assignor.)
- Western Electric Company. (See Johnstone, Harold G., assignor.)

- Western Electric Company. (See Jongedyk, Ralph, assignor.)
 Western Electric Company. (See Kegl, Z. J., and Larsen, assignors.)
 Western Electric Company. (See Kellar, William S., assignor.)
 Western Electric Company. (See Koller, Joseph L., assignor.)
 Western Electric Company. (See Kress, Heinz, assignor.)
 Western Electric Company. (See Larsen, Einer W., assignor.)
 Western Electric Company. (See Larsen, Einer W., assignor.)
 Western Electric Company. (See Larsen, Henry M., assignor.)
 Western Electric Company. (See Llewellyn, Frederick B., assignor.)
 Western Electric Company. (See Lodge, Joseph E., assignor.)
 Western Electric Company. (See Long, Maurice B., assignor.)
 Western Electric Company. (See Lynn, Alger M., assignor.)
 Western Electric Company. (See Marriage, W. F., and Thomas, assignors.)
 Western Electric Company. (See Martindell, Frank, assignor.)
 Western Electric Company. (See Martindell, F., and Miller, assignors.)
 Western Electric Company. (See McGuire, Lee R., assignor.)
 Western Electric Company. (See McLaughlin, Lawrence, assignor.)
 Western Electric Company. (See McWhirter, Eric M. S., assignor.)
 Western Electric Company. (See McWhirter, E. M. S., and Flint, assignors.)
 Western Electric Company. (See Medbery, Edward W., assignor.)
 Western Electric Company. (See Melsheimer, Robert A., assignor.)
 Western Electric Company. (See Moller, Kasper F., assignor.)
 Western Electric Company. (See Montgomery, A. W., and Terry, assignors.)
 Western Electric Company. (See Neighbors, Charles C., assignor.)
 Western Electric Company. (See Neumann, Warren R., assignor.)
 Western Electric Company. (See Newton, E. E., Ray, and Maurer, assignors.)
 Western Electric Company. (See Norem, Bernhard, assignor.)
 Western Electric Company. (See Nydegger, Roland R., assignor.)
 Western Electric Company. (See Oxaal, Arne, assignor.)
 Western Electric Company. (See Pocock, L. C., Neilson, and Blackburn, assignors.)
 Western Electric Company. (See Pope, John G., assignor.)
 Western Electric Company. (See Prince, William E., assignor.)
 Western Electric Company. (See Pugh, Emerson, assignor.)
 Western Electric Company. (See Purdy, Chester A., assignor.)
 Western Electric Company. (See Reading, Raymond L., assignor.)
 Western Electric Company. (See Reichelt, Lester O., assignor.)
 Western Electric Company. (See Rock, Darrell D., assignor.)
 Western Electric Company. (See Rock, George L., assignor.)
 Western Electric Company. (See Rockwood, George H., assignor.)
 Western Electric Company. (See Roseway, Walter N., assignor.)
 Western Electric Company. (See Rutherford, George S., assignor.)
 Western Electric Company. (See Schoof, Arthur W., assignor.)
 Western Electric Company. (See Scott, James W., assignor.)
 Western Electric Company. (See Scott, Walter J., assignor.)
 Western Electric Company. (See Shimazu, Yasujiro.)
 Western Electric Company. (See Sinclair, Albert L., assignor.)
 Western Electric Company. (See Smith, Ray C., assignor.)
 Western Electric Company. (See Stull, John S., assignor.)
 Western Electric Company. (See Swartwout, Donald G., assignor.)
 Western Electric Company. (See Underwood, Carl M., assignor.)
 Western Electric Company. (See Walker, H. G., and March, assignors.)
 Western Electric Company. (See Waller, Lee R., assignor.)
 Western Electric Company. (See Warner, Lester C., assignor.)
 Western Electric Company. (See Waters, Daniel V., assignor.)
 Western Electric Company. (See Weaver, Leo L., assignor.)
 Western Electric Company. (See Wehe, Herman G., assignor.)
 Western Electric Company. (See Weitzer, Sölle J., assignor.)
 Western Electric Company. (See Weston, William K., assignor.)
 Western Electric Company. (See Wilson, Wesley, assignor.)
 Western Electric Company. (See Zwietusch, Eduard O., assignor.)
 Western Electric Company, Incorporated. (See Ashworth, Walter W., assignor.)
 Western Electric Company, Incorporated. (See Bedford, L. H., and Coveney, assignors.)
 Western Electric Company, Incorporated. (See Bigler, F. J., and Crane, assignors.)
 Western Electric Company, Incorporated. (See Boedeker, W. U., and Seidlitz, assignors.)
 Western Electric Company, Incorporated. (See Davis, William R., assignor.)
 Western Electric Company, Incorporated. (See Deakin, G., and Hatton, assignors.)
 Western Electric Company, Incorporated. (See De Vriendt, Charles.)
 Western Electric Company, Incorporated. (See Ford, Ben K., assignor.)
 Western Electric Company, Incorporated. (See Gibson, W. T., and Boulestreau, assignors.)
 Western Electric Company, Incorporated. (See Gregg, Paul F., assignor.)
 Western Electric Company, Incorporated. (See Hill, Walter M., assignor.)
 Western Electric Company, Incorporated. (See Lampough, Leslie F., assignor.)
 Western Electric Company, Incorporated. (See Larsen, Leonard O., assignor.)
 Western Electric Company, Incorporated. (See Lewis, Western Electric Company, Incorporated. (See Lundahl, Ossian, assignor.)
 Western Electric Company, Incorporated. (See Purdy, Chester A., assignor.)
 Western Electric Company, Incorporated. (See Purdy, C. A., and Park, jr., assignors.)
 Western Electric Company, Incorporated. (See Sandeman, Edward K., assignor.)
 Western Electric Company, Incorporated. (See Schwartzmann, Harry, assignor.)
 Western Foundation Company. (See Thornley, Joseph H., assignor.)
 Western Gas Construction Company, The. (See Barr, Walter A., assignor.)
 Western Gas Construction Company, The. (See Merritt, M. H., and Koons, assignors.)
 Western Gas Construction Company, The. (See Stone, Thomas W., assignor.)
 Western Gas Construction Company, The. (See Zoll, Maurice B., assignor.)
 Western Products Company. (See Evans, Charles M., assignor.)
 Western Railway Equipment Company. (See Campbell, S. H., Habenicht, and Pietzsch, assignors.)
 Western Railway Equipment Company. (See Pilcher, John A., assignor.)
 Western States Envelope Company. (See Vallier, Elijah G., assignor.)
 Western States Machine Company, The. (See Roberts, Eugene, assignor.)
 Western Union Telegraph Company, The. (See Angel, Herbert, assignor.)
 Western Union Telegraph Company, The. (See Beardsley, Bruce, assignor.)
 Western Union Telegraph Company, The. (See Benjamin, G. R., and Long, assignors.)
 Western Union Telegraph Company, The. (See Birkmeyer, Paul J., assignor.)
 Western Union Telegraph Company, The. (See Cannon, W. D., and Milnor, assignor.)
 Western Union Telegraph Company, The. (See Collings, Frederick C., assignor.)
 Western Union Telegraph Company, The. (See Curtinn, L. P., and Thordarson, assignors.)
 Western Union Telegraph Company, The. (See Dirkes, Robert F., assignor.)
 Western Union Telegraph Company, The. (See Dirkes, R. F., and Clark, assignors.)
 Western Union Telegraph Company, The. (See Dirkes, R. F., and Kimball, assignors.)
 Western Union Telegraph Company, The. (See Dirkes, R. F., and Roberts.)
 Western Union Telegraph Company, The. (See Dirkes, R. F., and Wentworth, assignors.)
 Western Union Telegraph Company, The. (See Estes, Phillip H., assignor.)
 Western Union Telegraph Company, The. (See Estes, P. H., and McGinnis, assignors.)
 Western Union Telegraph Company, The. (See Flubarty, William G., assignor.)
 Western Union Telegraph Company, The. (See Griffith, Francis, assignor.)
 Western Union Telegraph Company, The. (See Hackenberg, John H., assignor.)
 Western Union Telegraph Company, The. (See Haglund, Hakon H., assignor.)
 Western Union Telegraph Company, The. (See Haglund, H. H., and Morgenstern, assignors.)

- Western Union Telegraph Company, The. (See Hamre, John A., assignor.)
- Western Union Telegraph Company, The. (See Hewitt, Ernest W., assignor.)
- Western Union Telegraph Company, The. (See Hoover, Ray, assignor.)
- Western Union Telegraph Company, The. (See Hoover, R., and Collings, assignors.)
- Western Union Telegraph Company, The. (See Hoover, R., and Wheeler, assignors.)
- Western Union Telegraph Company, The. (See Janson, George W., assignor.)
- Western Union Telegraph Company, The. (See Long, James W., assignor.)
- Western Union Telegraph Company, The. (See Long, J. W., and Collings, assignors.)
- Western Union Telegraph Company, The. (See Long, J. W., and Steeneck, assignors.)
- Western Union Telegraph Company, The. (See Mample, Adolph Z., assignor.)
- Western Union Telegraph Company, The. (See Maus, F. J., and Franklin, assignors.)
- Western Union Telegraph Company, The. (See Millar, Julian Z., assignor.)
- Western Union Telegraph Company, The. (See Miller, Stephen A., assignor.)
- Western Union Telegraph Company, The. (See Noxon, Paul A., assignor.)
- Western Union Telegraph Company, The. (See Plausics, Alexander, assignor.)
- Western Union Telegraph Company, The. (See Porter, James F., assignor.)
- Western Union Telegraph Company, The. (See Reynolds, Marvin J., assignor.)
- Western Union Telegraph Company, The. (See Ridings, G. H., and Agnew, assignors.)
- Western Union Telegraph Company, The. (See Rothermel, Samuel W., assignor.)
- Western Union Telegraph Company, The. (See Rovere, L. H., and Estes, assignors.)
- Western Union Telegraph Company, The. (See Rovere, L. H., Estes, and Milnor, assignors.)
- Western Union Telegraph Company, The. (See Rovere, L. H., and Mott, assignors.)
- Western Union Telegraph Company, The. (See Rovere, L. H., Mott, and Ayers, assignors.)
- Western Union Telegraph Company, The. (See Sparks, William S., assignor.)
- Western Union Telegraph Company, The. (See Steeneck, Robert, assignor.)
- Western Union Telegraph Company, The. (See Wheeler, E. R., and Dirkes, assignors.)
- Western Union Telegraph Company, The. (See Wise, Raleigh J., assignor.)
- Westfield, John H., Indianapolis, Ind. Freezing mechanism. 1,973,190; Sept. 11.
- Westfield Manufacturing Company, The. (See Clark, George W., assignor.)
- Westfield River Paper Company. (See Coe, Kathleen, assignor.)
- Westfield River Paper Company. (See Frisbie, Leroy D., assignor.)
- Westgate, Oscar L., Rochester, N. Y. Accessory for automobiles. 1,959,974; May 22.
- Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube closing machine. 1,975,996; Oct. 9.
- Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Nozzle attachment for powder filling machines. 1,981,485; Nov. 20.
- Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube closing machine with sealing rolls. 1,983,505; Dec. 4.
- Westin, Charles J., and W. G. Sperr, Philadelphia, Pa. Wrapper for pies. 1,956,914; May 1.
- Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
- Westinghouse Air Brake Company. (See Brackenbury, Aloysius G., assignor.)
- Westinghouse Air Brake Company, The. (See Bush, Rankin J., assignor.)
- Westinghouse Air Brake Company, The. (See Carthew, John W., assignor.)
- Westinghouse Air Brake Company, The. (See Chevillot, Alfred, assignor.)
- Westinghouse Air Brake Company, The. (See Cook, Earle S., assignor.)
- Westinghouse Air Brake Company, The. (See Dapron, Joseph M., assignor.)
- Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
- Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
- Westinghouse Air Brake Company, The. (See Farmer, C. C., and Hewitt, assignors.)
- Westinghouse Air Brake Company, The. (See Farmer, C. C., and Thomas, assignors.)
- Westinghouse Air Brake Company. (See Fitch, Ellery R., assignor.)
- Westinghouse Air Brake Company, The. (See Fitch, E. R., and Cook, assignors.)
- Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
- Westinghouse Air Brake Company, The. (See Grosswege, John B., assignor.)
- Westinghouse Air Brake Company, The. (See Hewitt, Ellis B., assignor.)
- Westinghouse Air Brake Company, The. (See Hewitt, E. E., and Lynn, assignors.)
- Westinghouse Air Brake Company, The. (See Hewitt, E. E., and Stewart, assignors.)
- Westinghouse Air Brake Company, The. (See Hewitt, E. E., Thomas, and Fitch, assignors.)
- Westinghouse Air Brake Company, The. (See Hume, Frank A., assignor.)
- Westinghouse Air Brake Company, The. (See Landis, William C., assignor.)
- Westinghouse Air Brake Company, The. (See Lloyd, David W., assignor.)
- Westinghouse Air Brake Company, The. (See Mackert, Albert A., assignor.)
- Westinghouse Air Brake Company, The. (See Mautsch, Robert H., assignor.)
- Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
- Westinghouse Air Brake Company, The. (See McCurdy, Oscar S., assignor.)
- Westinghouse Air Brake Company, The. (See Miller, R. E., and Masterman, assignors.)
- Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)
- Westinghouse Air Brake Company, The. (See Neveu, A., and Guillemin-Taraye, assignors.)
- Westinghouse Air Brake Company. (See Shelly, De Witt L., assignor.)
- Westinghouse Air Brake Company, The. (See Stevens, Roy R., assignor.)
- Westinghouse Air Brake Company, The. (See Stewart, C. D., and Farmer, assignors.)
- Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
- Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
- Westinghouse Air Brake Company, The. (See Thomas, F. B., Hewitt, and Fitch, assignors.)
- Westinghouse Air Brake Company, The. (See Westinghouse, Henry H., assignor.)
- Westinghouse Air Brake Company, The. (See Whitaker, Uncas A., assignor.)
- Westinghouse Air Brake Company, The. (See Winter, Harry J., assignor.)
- Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
- Westinghouse Electric Elevator Company. (See Baruch, Milton, assignor.)
- Westinghouse Electric Elevator Company. (See Baumgartner, Fred, assignor.)
- Westinghouse Electric Elevator Company. (See Carney, Charles F., assignor.)
- Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
- Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
- Westinghouse Electric Elevator Company. (See Ellis, Charles E., Jr., assignor.)
- Westinghouse Electric Elevator Company. (See Halfarson, Gustaf A., assignor.)
- Westinghouse Electric Elevator Company. (See Jones, Richard W., assignor.)
- Westinghouse Electric Elevator Company. (See Kinnard, Luther J., assignor.)
- Westinghouse Electric Elevator Company. (See Lewis, Frank E., assignor.)
- Westinghouse Electric Elevator Company. (See McCormick, Harold V., assignor.)
- Westinghouse Electric Elevator Company. (See Norton, Harry R., assignor.)
- Westinghouse Electric Elevator Company. (See Santini, Danilo, assignor.)
- Westinghouse Electric Elevator Company. (See White, Kenneth M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Andersen, Niels K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Anderson, Clare, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Anderson, William B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Andrew, Victor J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ashbaugh, J. H., and Monteith, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Atherton, Alfred L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Baker, Benjamin P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Barnsteiner, Alfons, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Barton, James F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Batchelor, J. C., and Vance, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Bauer, F., and Kafka, assignors.)

Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Baumann, Karl, assignor.)	Else, Harry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Baxter, Harold G., assignor.)	Elsey, Howard M., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Beard, Joseph G., assignor.)	Emery, William M., assignor.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
(See Beckett, R. V., and Jones, assignors.)	Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Beers, George L., assignor.)	Evans, R. D., and Nycum, assignors.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric and Manufacturing Company. (See
Bellachi, Peter L., assignor.)	Fahnoe, H. F. H., Glenn, and Knowles, assignors.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bendz, Waldemar I., assignor.)	Flanders, Warren B., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bergvall, Royal C., assignor.)	Forbes, Henry C., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bernarde, Henry L., assignor.)	Ford, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Blankenbuehler, John H., assignor.)	Foresman, Robert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bobertz, Walter E., assignor.)	Forshee, Frank F., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Boddie, Clarence A., assignor.)	Forsythe, Gregg F., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bollinger, Paul, assignor.)	Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Booth, James D., assignor.)	Franck, Clarence C., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Boothby, C. R., and Else, assignors.)	Freeman, Hubert M., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric and Manufacturing Company. (See
Bostwick, Myron A., assignor.)	Freeman, H. M., and Wade, assignors.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric and Manufacturing Company. (See
(See Bouton, E. M., and Lewis, assignors.)	Freeman, N. L., and Storer, assignors.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bradshaw, W. M., Mylius, and La Bar, assignors.)	Frey, Albert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Brainard, M. W., and Baker, assignors.)	Friedländer, E., and Schmutz, assignors.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bredehorn, assignors.)	Friesen, Santiago, assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Brown, John L., assignor.)	Gates, Henry S., assignor.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric and Manufacturing Company. (See
Brown, J. L., and Bowen, assignors.)	Geise, F., and Neugebauer, assignors.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Brown, Myron J., assignor.)	Geiselman, Ralph A., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Bryant, Ozo N., assignor.)	Goldsborough, Shirley L., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Buchanan, Leslie B. M., assignor.)	Greibach, Emil H., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Candy, A. M., and Koch., assignors.)	Griscom, Samuel B., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Carlisle, Richard W., assignor.)	Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Chubb, Lewis W., assignor.)	Haas, Carl F., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Clark, Earl K., assignor.)	Hackethal, Johannes, assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Cobb, Harold E., assignor.)	Hadley, Donald L., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Cody, Clifford S., assignor.)	Hadley, George F., assignor.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Colby, O. A., and Ehr Gott, assignors.)	Hameyer, P., Meyer, and Jungmichl, assignors.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Coleman, John B., assignor.)	Hanna, Clinton R., assignor.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Conrad, F., and Aalborg, assignors.)	Hanna, C. R., and Critchlow, assignors.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Cook, Willard G., assignor.)	Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Crabbs, Herbert J., assignor.)	Harvey, James H., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Crichton, Leslie N., assignor.)	Hester, Edgar A., assignor.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric and Manufacturing Company. (See
Crichton, L. N., and Graves, assignors.)	(See Hill, C. F., and Goff, assignors.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Crichton, L. N., Graves and Feldmann, assignors.)	Hitchcock, Richard C., assignor.)
Westinghouse Electric and Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Cunningham, D. H., Carlisle, and Perry, assignors.)	Hochstetter, Paul E., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Davis, William R., assignor.)	Hodgkins, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Dawson, John W., assignor.)	Hodgkinson, Francis, assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Dennison, Edward S., assignor.)	Hodnette, John K., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Dickinson, Robert C., assignor.)	Horne, Harlan F., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Donald, Archibald, assignor.)	Hudson, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Dorfman, Hiller D., assignor.)	Huffstutter, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Duhme, Emil, assignor.)	Hunt, Marsden H., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Eames, William F., assignor.)	Hutchison, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Ehrenfeld, Ralph, assignor.)	Iams, Harley, assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Elbert, Robert S., jr., assignor.)	Inman, Donovan E., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Ellis, Owen W., assignor.)	Jackson, Ray P., assignor.)
Westinghouse Electric & Manufacturing Company. (See	Westinghouse Electric & Manufacturing Company. (See
Ellis, Stuart G., assignor.)	James, Henry D., assignor.)

- Westinghouse Electric and Manufacturing Company. (See James, H. D., and White, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Jenkins, Charles F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Johnson, F. B., and Leeds, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Jones, Carl G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Jones, Maurice F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kaufmann, Werner, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Kermode, J. T., Young, and Sparkes, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Kerr, C., jr., Candee, King, Harder, and McLanahan, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Kerr, C., jr., and Stotz, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Kesselring, Fritz, assignor.)
- Westinghouse Electric & Manufacturing Company. (See King, Charles F., jr., assignor.)
- Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Kintner, S. M., and Thomas, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Knappe, Charles N., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kovalsky, Joseph F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Krapf, H. C., Kerr, and Nottage, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Krapf, H. C. and Sherrard, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Laffoon, C. M., Kilgore, and Powers, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Laffoon, C. M., and Rose, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Landon, Vernon D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Langfritz, Hans, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Laport, Edmund A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Leeds, W. M., and Van Sickle, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Levy, Cyril C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Levy, C. C., and De Camp, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Lewis, Frank E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lewis, William A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Leyland, Simeon C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Libby, Clarence R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lincoln, Rollo B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Long, Thomas H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ludwig, Leon R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lynn, Clarence, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Maertens, K., Kopczynski, Reichel, and Weber, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Mains, Gerald H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mangan, George B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Marbury, R. E., and Ross, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Marsteller, Lester O., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Maslin, Albert J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mathews, John T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mathias, David L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Mattingly, H. W., and Lewis, assignors.)
- Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
- Westinghouse Electric & Manufacturing Company. (See McIlvaine, Douglas K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See McLean, Philip S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Ernest F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Hans, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Millis, Walter T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Minkler, William A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mouromtseff, Ilia E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Mouromtseff, I. D., and Rylsky, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Nystrom, Carl F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Packer, Lewis C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Percy, Noah C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Peterson, Alfred J. A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Philpott, La Verne R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pierce, Lawrence, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ponsonby, Amos A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Portman, Clement A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Potter, John A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Potter, J. A., and Rathbun, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Powers, Frank B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pupin, Michael I., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Quarles, Lawrence R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Raupach, W., and Kalkner, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Renshaw, D. E., and Atwell, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Reynolds, Ellwood W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rosenberger, George W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ross, Robert D., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rudenberg, Reinhold, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rutenmiller, O. G., and King, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Rutter, A. R., and Mylius, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Sandin, Jerome, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sauer, Louis E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schaelchlin, W., and Frisch, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Schenkel, Moritz, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schramm, Walter H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Scott, Howard, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Shutt, Charles C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Siemens, Alfred, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Lewis R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Roy M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sonnemann, William K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Staeger, Stephen A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Staunton, Le Roy W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Stewart, O. V., and Urban, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Stickney, Fernand S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stoddard, Ralph N., assignor.)

- Westinghouse Electric & Manufacturing Company. (See Stogoff, Peter E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Storer, Norman W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Storer, N. W., and Rugg, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Strom, A. P., and Rawlins, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Styer, Charles A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sutherland, Lee, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Swinne, Richard, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sykes, Wilfred, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Taylor, Paul B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Thomander, Veron S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Trouant, Virgil E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ulrey, Dayton, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Unger, Arthur M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Van Emden, Aaron L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Vaughan, Victor G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Vogel, Fred J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See von Engel, A., Berthold, and Rüdberg, assignors.)
- Westinghouse Electric & Manufacturing Company. (See von Issendorf, Jürgen, assignor.)
- Westinghouse Electric & Manufacturing Company. (See von Kleist, Felix B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wade, Wallace G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wagner, Charles F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Watts, Thomas R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Weber, Clifford A. M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Webster, John E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wentz, Edward C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Werner, Oscar, assignor.)
- Westinghouse Electric & Manufacturing Company. (See West, Charles P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See West, H. B., and Sauer, assignors.)
- Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wilharm, William C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wilson, Earl D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wulffing, Harry E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Yost, Irvine A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Young, Douglass A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
- Westinghouse, Henry H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,952,345; Mar. 27.
- Westinghouse Lamp Company. (See Allen, Howard E., assignor.)
- Westinghouse Lamp Company. (See Anderson, Waldemar E., assignor.)
- Westinghouse Lamp Company. (See Brumley, John D., assignor.)
- Westinghouse Lamp Company. (See Callahan, George F., assignor.)
- Westinghouse Lamp Company. (See Chandler, Arthur F. B., assignor.)
- Westinghouse Lamp Company. (See Driggs, Frank H., assignor.)
- Westinghouse Lamp Company. (See Ehrke, Louis F., assignor.)
- Westinghouse Lamp Company. (See Ehrke, L. F., and Slack, assignors.)
- Westinghouse Lamp Company. (See Ferguson, John E., assignor.)
- Westinghouse Lamp Company. (See Gustin, Daniel S., assignor.)
- Westinghouse Lamp Company. (See Gustin, D. S., Bonney, and Fleischmann, assignors.)
- Westinghouse Lamp Company. (See Gustin, D. S., and Dietz, assignors.)
- Westinghouse Lamp Company. (See Hummel, Robert T., assignor.)
- Westinghouse Lamp Company. (See Hunt, Charles W., assignor.)
- Westinghouse Lamp Company. (See Iredell, Charles V., assignor.)
- Westinghouse Lamp Company. (See Lederer, E. A., and Marden, assignors.)
- Westinghouse Lamp Company. (See Lindstrom, Albert F., assignor.)
- Westinghouse Lamp Company. (See Makenny, William, assignor.)
- Westinghouse Lamp Company. (See Marden, J. W., and Lederer, assignors.)
- Westinghouse Lamp Company. (See May, Frederick T., assignor.)
- Westinghouse Lamp Company. (See Meyer, Peter, assignor.)
- Westinghouse Lamp Company. (See Moran, William G., assignor.)
- Westinghouse Lamp Company. (See Morrison, Montford, assignor.)
- Westinghouse Lamp Company. (See Parrott, Warley L., assignor.)
- Westinghouse Lamp Company. (See Raue, Hugo C., assignor.)
- Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
- Westinghouse Lamp Company. (See Rentschler, H. C., and Henry, assignors.)
- Westinghouse Lamp Company. (See Romanelli, Emilio, assignor.)
- Westinghouse Lamp Company. (See Slack, Charles M., assignor.)
- Westinghouse Lamp Company. (See Slack, C. M., and Dinnick, assignors.)
- Westinghouse Lamp Company. (See Stewart, Nelson H., assignor.)
- Westinghouse Lamp Company. (See Thomas, Charles H., assignor.)
- Westinghouse Lamp Company. (See Ulrey, Clayton T., assignor.)
- Westinghouse Lamp Company. (See Ulrey, C. T., and Beese, assignors.)
- Westinghouse X-Ray Company. (See Morrison, Montford, assignor.)
- Westinghouse X-Ray Company. (See Mutscheller, Arthur, assignor.)
- Westinghouse X-Ray Company, Inc. (See Nelson, Albert C., assignor.)
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,062; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,063; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,064; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,065; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,066; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,067; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,068; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,069; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,070; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,071; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,072; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,073; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,074; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,075; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,076; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 93,077; Aug. 14.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 94,008; Dec. 4.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 94,009; Dec. 4.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 94,010; Dec. 4.
- Westlake, Edward G., assignor to Marshall Field & Company, Chicago, Ill. Bottle. Des. 94,011; Dec. 4.
- Westling, Carl J., Chicago, Ill. Valve. 1,967,695; July 24.
- West Michigan Steel Foundry Co. (See Ketel, H., Harris, and Van Der Heuvel, assignors.)
- West Michigan Steel Foundry Co. (See Seyferth, Carl G., assignor.)
- Westney, John S., et al. (See Ginder, William H., assignor.)
- Weston, Carl D., Glendale, Calif. Fountain pen check protector. 1,943,404; Jan. 16.

- Weston, Edward B., deceased; W. B. Turner and W. G. Clark, executors. Display rack or stand. 1,961,870; June 5.
- Weston Electrical Instrument Corporation. (See Lamb, Anthony H.)
- Weston Electrical Instrument Corporation. (See Lederer, Karl M., assignor.)
- Weston Electrical Instrument Corporation. (See Miller, John H., assignor.)
- Weston Electrical Instrument Corporation. (See Pierce, Raymond T., assignor.)
- Weston Electrical Instrument Corporation. (See Smith, Robert B., assignor.)
- Weston, John L. (See Butler, H. R., and Weston.)
- Weston, Milton T., New York, N. Y. Fourdrinier paper machine. 1,955,399; Apr. 17.
- Weston, Paul E. (See Hass, H. B., and Weston.)
- Weston, Roger, Cuyahoga Falls, Ohio, assignor, by mesne assignments, to Revere Rubber Company, Providence, R. I. Making rubber threads or strands. 1,949,506; Mar. 6.
- Weston, Sydney F., Finchley, London, England, assignor to The Babcock & Wilcox Company, Newark, N. J. Gauge glass. 1,977,603; Oct. 16.
- Weston, William K., Sanderstead, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Air insulated conductor. 1,960,036; May 22.
- Weston, William S., Dallas, Tex. Adjustable curve ruler. 1,953,282; Apr. 3.
- Weston, William S., Douglaston, N. Y. Adjustable curve ruler. 1,953,283; Apr. 3.
- Westover, Miles R., and F. Campbell; said Campbell assignor to I. H. Streeper 3d, Alton, Ill. Freezer. 1,984,612; Dec. 18.
- Westover, William H. (See Bell, Ivan M., assignor.)
- West Point Manufacturing Company. (See Piper, Frank R., assignor.)
- West's Gas Improvement Company. (See West, Frederick J. and E., assignors.)
- West Virginia Pulp and Paper Company. (See Lacy, Paul B., assignor.)
- West Virginia Rail Company, The. (See Diehl, Herman H., assignor.)
- Wetherbee, Ashur U., Evanston, Ill. Boiler. 1,950,043; Mar. 6.
- Wetherbee, Ashur U., Evanston, assignor to Autogas Corporation, Chicago, Ill. Gas burner. 1,978,517; Oct. 30.
- Wetherbee, Ashur U., Evanston, assignor to Autogas Corporation, Chicago, Ill. Combustion. 1,978,518; Oct. 30.
- Wetherbee, Charles P., Bath, Maine, and J. E. Burkhardt, Quincy, Mass., assignors to Bethlehem Shipbuilding Corporation, Ltd. Power plant apparatus. 1,946,249; Feb. 6.
- Wetherbee, Charles P., Bath, Maine, and J. E. Burkhardt, Quincy, Mass., assignors to Bethlehem Shipbuilding Corporation, Ltd. Boiler room installation for ships. 1,973,399; Sept. 11.
- Wetherbee, Herbert E., Cleveland Heights, Ohio, assignor, by mesne assignments, of seven-tenths to R. F. Grant, and one-tenth to B. H. Grant, New York, N. Y. Chemically etching glass surfaces. 1,980,021; Nov. 6.
- Wetmore, Bert D., Bismarck, N. Dak., assignor to H. M. Brooks, New York, N. Y., W. T. Gardiner, Augusta, Maine, and R. K. Hawes, Fall River, Mass., trustees. Automatic stoker apparatus. 1,954,856; Apr. 17.
- Wettlaufer, Jules L., Belmont, assignor to The Patent and Licensing Corporation, Boston, Mass. Asphalt prepared building material and making same. 1,972,810; Sept. 4.
- Wettlaufer, William L., Buffalo, N. Y. Body gyrating mechanism. 1,949,703; Mar. 6.
- Wettstein, Fritz, Flushing, N. Y. Pressure liquid actuated regulator. 1,976,820; Oct. 16.
- Wettstein, Godfrey B., Portland, Oreg. Turning headlights for vehicles. 1,952,346; Mar. 27.
- Wetzel, Charles H., Wayne, Pa. Folding grandstand. Re19,373; Nov. 13.
- Wetzel, Charles H., Wayne, Pa. Folding grandstand. 1,964,612; June 26.
- Wetzel, Charles H., Wayne, Pa. Folding grandstand. 1,964,613; June 26.
- Wetzel, Frank A., Wauwatosa, Wis. Snow scooter. 1,945,170; Jan. 30.
- Wewetzer, Albert, assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. Des. 93,591; Oct. 9.
- Wexelberg, Clarence, Detroit, Mich., assignor, by mesne assignments, to Grunow Corporation, Chicago, Ill. Refrigerator cabinet. Des. 93,314; Sept. 11.
- Weyandt, Carl S., Pittsburgh, Pa. Electrical supply system. 1,959,513; May 22.
- Weydell, Jarl M., assignor of one-half to E. E. Stout, Indianapolis, Ind. Synchronizing mechanism for change-speed transmission. 1,957,416; May 1.
- Weyerhaeuser Timber Company. (See Hatch, Raymond S., assignor.)
- Weyerhaeuser Timber Company. (See Onstad, Albert H., assignor.)
- Weyers, Theodor J. (See Posthumus, K., and Weyers.)
- Weyers, Theodor J. (See van der Pol, B., and Weyers.)
- Weyers, Theodor J., Eindhoven, Netherlands, assignor to Radio Corporation of America. Band pass circuit. 1,968,237; July 31.
- Weyerts, Walter J. (See Hickman, K. C. D., and Weyerts.)
- Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meter hanger. 1,946,342; Feb. 6.
- Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Registering fluid meter. 1,947,367; Feb. 13.
- Weyner, Meyer, Brooklyn, N. Y. Making suede leather having a high polish and suede leather of this type. 1,949,384; Feb. 27.
- Wezel, Walter P., Maulbronn, Germany, assignor to Chas. L. Jarvis Company, Inc., Gildersleeve, Conn. Removing the skin from cattle and the like. 1,945,247; Jan. 30.
- Whalan, Joseph P., and L. T. Harkness, assignors to Crescent Tool Company, Jamestown, N. Y. Wire grip. 1,942,625; Jan. 9.
- Whaley, Harold R., assignor to Maple Grove Candies, Inc., St. Johnsbury, Vt. Candy container or the like. 1,946,250; Feb. 6.
- Whaley, John W., assignor to Crawford Manufacturing Company, Richmond, Va. Seat cover. 1,953,696; Apr. 3.
- Whalley, George E., Chicago, Ill., assignor to R. Gaylord, Incorporated, St. Louis, Mo. Carton. 1,949,986; Mar. 6.
- Wharton, Astley W., Philadelphia, Pa. Waffle iron or the like. 1,978,872; Oct. 30.
- Wharton, Charles H., Chicago, Ill. Denture. 1,947,026; Feb. 13.
- Wharton, Edward R., Medford, Mass. Grease gun. 1,944,201; Jan. 23.
- Wharton, Edward R., Medford, Mass. Safety razor. 1,984,243; Dec. 11.
- Wharton, Edward R., Medford, assignor of one-fourth to E. G. Baum, Natick, one-fourth to R. H. Schulz, Boston, and one-fourth to N. A. Hallett, Newton, Mass. Valve structure. 1,963,513; June 19.
- Wharton, Edward R., Medford, assignor of one-half to F. M. Durkee, Brockline, Mass. Grease gun and the like. 1,965,271; July 3.
- Wharton Variable Gears Limited. (See Wharton, William, assignor.)
- Wharton, William, Kendal, assignor to Wharton Variable Gears Limited, London, England. Variable speed power transmission mechanism. 1,979,088; Oct. 30.
- Whealan, James E., et al. (See Hall, E. E., and Eichelman.)
- Wheary, George H., assignor to The Wheary Trunk Company, Racine, Wis. Hand luggage case. 1,947,542; Feb. 20.
- Wheary, George H., assignor to The Wheary Trunk Company, Racine, Wis. Lady's hand luggage. 1,950,584; Mar. 13.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage case. 1,968,579; July 31.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,968,580; July 31.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Suitcase. 1,978,873; Oct. 30.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Luggage. 1,983,721; Dec. 11.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,984,446; Dec. 18.
- Wheary, George H., and B. M. Hamlin, assignors to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,954,607; Apr. 10.
- Wheary Trunk Company. (See Hamlin, Benjamin M., assignor.)
- Wheary Trunk Company, The. (See Wheary, George H., assignor.)
- Wheary Trunk Company. (See Wheary, G. H., and Hamlin, assignors.)
- Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Explosionproof lamp. 1,973,132; Sept. 11.
- Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Apparatus for charging miners' lamps. 1,981,210; Nov. 20.
- Wheat, Gus D., Rock Springs, Tex. Drag. 1,954,905; Apr. 17.
- Wheatley, George H., Fond du Lac, Wis. Vulcanizing machine. 1,943,101; Jan. 9.
- Wheaton, A. W., Brass Works. (See Wheaton, Abram W., assignor.)
- Wheaton, Abram W., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Valve. 1,964,835; July 3.
- Wheaton, Abram W., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Faucet. 1,964,836; July 3.
- Wheaton, Jack M., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Capillary applicator rod. 1,985,703; Dec. 25.
- Wheelbarger, Albert S., assignor to Ohmer Fare Register Company, Dayton, Ohio. Date setting device. 1,947,893; Feb. 20.
- Wheeler, Alfred J., jr. (See Priebe, E. B., and Buchert, assignors.)
- Wheeler, Alfred J., jr., Woodlawn Heights, N. Y. Combustion. 1,966,054; July 10.
- Wheeler, Carson M. (See Marsden, C. P., and Wheeler.)
- Wheeler, Clyde H., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm system. 1,957,565; May 8.
- Wheeler, Clyde H., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fire extinguisher. 1,976,467; Oct. 9.

- Wheeler, Donald P., assignor to Illinois Carton & Label Company, Elkhart, Ind. Collapsible container. 1,977,102; Oct. 16.
- Wheeler, Elizabeth. (See Wheeler, Harley T., assignor.)
- Wheeler, Evan R. (See Hoover, R., and Wheeler.)
- Wheeler, Evan R., Plainfield, N. J., and R. F. Dirkes, Jamaica, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph recording and projecting system. 1,969,440; Aug. 7.
- Wheeler, Everett, assignor of one half to P. H. Deming, Los Angeles, Calif. Metal pipe forming machine. 1,954,160; Apr. 10.
- Wheeler, Fred C., assignor of one-half to K. D. Christoff, Detroit, Mich. Pulley. 1,950,074; Mar. 6.
- Wheeler, George A., Wilmington, N. C. Floor lamp. Des. 92,788; July 10.
- Wheeler, Glenn E., Buffalo, N. Y., assignor to Republic Steel Corporation, Youngstown, Ohio. Adjustable spindle coupling. 1,982,363; Nov. 27.
- Wheeler, Harley T., Dallas, Tex. Flame extinguisher for stuffing-boxes. 1,944,385; Jan. 23.
- Wheeler, Harley T., Dallas, Tex. The fluxion seal ring. 1,956,844; May 1.
- Wheeler, Harley T., Dallas, Tex. Unequal density packing. 1,964,237; June 26.
- Wheeler, Harley T., Dallas, Tex. Stuffing-box for non-rising gate valves. 1,971,169; Aug. 21.
- Wheeler, Harley T., Dallas, Tex. Plastic packing stuffing-box. 1,975,886; Oct. 9.
- Wheeler, Harley T., Dallas, Tex. Making of packing rings. 1,978,240; Oct. 23.
- Wheeler, Harley T., assignor to E. Wheeler, Dallas, Tex. Installing packing in stuffing boxes. 1,956,843; May 1.
- Wheeler, Harley T., assignor to Elizabeth Wheeler, Dallas, Tex. Multistage impact packing. 1,978,239; Oct. 23.
- Wheeler, Harold A., Jackson Heights, N. Y., assignor to Hazeltine Corporation. Electric coupling circuits. 1,943,405; Jan. 16.
- Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Peak detector. 1,951,685; Mar. 20.
- Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Emission valve modulation system. 1,958,027; May 8.
- Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Radio frequency receiver. 1,960,984; May 29.
- Wheeler, Henry A., Miami, Fla., assignor to Twin Coil Solar Heater Company. Solar water heater. 1,971,242; Aug. 21.
- Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Bunch loader for cigar machines. 1,964,101; June 26.
- Wheeler, Henry H., Brooklyn, assignor to General Cigar Company, Inc., New York, N. Y. Machine for wrapping cigars with protective material. 1,975,913; Oct. 9.
- Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Turret index and suction control for cigar machines. 1,981,486; Nov. 20.
- Wheeler, Henry J. (See Sells, O. S., and Wheeler.)
- Wheeler, Howard L., Fort Myers, Fla. Tile wall construction. 1,968,728; July 31.
- Wheeler, John L., St. Louis, Mo. Measuring faucet. 1,979,428; Nov. 6.
- Wheeler, Levi E., assignor to The Washburn Company, Worcester, Mass. Handle. Des. 91,288; Jan. 2.
- Wheeler, Levi E., assignor to The Washburn Company, Worcester, Mass. Egg beater. 1,954,507; Apr. 10.
- Wheeler, Raymond C., and P. W. Prutzman, assignors to General Petroleum Corporation of California, Los Angeles, Calif. Alkaline treatment of petroleum vapors. Re19,179; May 22.
- Wheeler Reflector Company. (See Cole, Charles, assignor.)
- Wheeler Reflector Company. (See Cole, Charles M., assignor.)
- Wheeler Reflector Company. (See Goetz, Louis W., assignor.)
- Wheeler Reflector Company. (See Sawin, Kenneth A., assignor.)
- Wheeler, Richard V. (See Dunstan, A. E., and Wheeler.)
- Wheeler, Sylvester L., Wauwatosa, and E. J. Seifert, assignors to Milwaukee Valve Company, Milwaukee, Wis. Valve mechanism. 1,960,963; May 29.
- Wheeler, Thomas S., Northwich, assignor to Imperial Chemical Industries Limited, London, England. Producing hydrogen cyanide. 1,982,407; Nov. 27.
- Wheeler, Thomas S., and D. Binnie, Northwich, England, assignors to Imperial Chemical Industries Ltd. Performing endothermic gas reactions. 1,942,889; Jan. 9.
- Wheeler, Walter C., St. Louis, Mo., dedicated to the free use of the public. Reciprocating grain screen. 1,978,003; Oct. 23.
- Wheeler, Walter H., Minneapolis, Minn. Steel column and frame for floor slabs. 1,950,422; Mar. 13.
- Wheeler, Walter H., jr., J. W. Ogden, and F. J. Ronan, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Attachment for postage meter machines. 1,958,355; May 8.
- Wheeler, William, Brooklyn, N. Y. Carbureting means. 1,971,288; Aug. 21.
- Wheelhouse, John C., Salt Lake City, Utah. Packless valve. 1,975,030; Sept. 25.
- Wheeling Steel Corporation. (See Rollason, Charles H., assignor.)
- Wheeling Steel Corporation. (See Steinbacher, Karl, assignor.)
- Wheelock, Arthur P. (See Tensen, Hugo E., assignor.)
- Wheelock, Arthur P., and H. E. Tensen, Des Moines, Iowa. Apparatus for testing vision. 1,949,067; Feb. 27.
- Wheelock, Edwin M., Minneapolis, Minn. Automobile storage device. 1,977,785; Oct. 23.
- Wheelock, Emerson R., Nictaux Falls, Nova Scotia, Canada. Smoking pipe. 1,950,645; Mar. 13.
- Wheelock, Thomas H. (See Moss, H. V., and Wheelock.)
- Wheel Service Equipment Corporation. (See Connor, Ernest, assignor.)
- Whelan, James E., et al. (See Eichelman, W. H., and Hall, assignors.)
- Whelan, William B., Chicago, Ill. Internal combustion engine. 1,958,156; May 8.
- Whelen, Myron S., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of 1-amino-4-hydroxy-anthraquinone. 1,957,920; May 8.
- Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of stitch-down shoes. 1,950,534; Mar. 13.
- Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-supporting and attaching means. 1,956,815; May 1.
- Wherren, Guy P., Los Angeles, Calif. Form tie clamp. 1,963,514; June 19.
- Wherry, Samuel W., Altoona, Pa. Automatic control for car retarders. 1,981,487; Nov. 20.
- Whetzel, Joshua C. (See Cook, W. O., Miller, and Whetzel.)
- Whidden, Arthur D., Elyria, Ohio. Fork for wheeled vehicles. 1,947,631; Feb. 20.
- Whikehart, John, Zanesville, Ohio. Apparatus for making gas. 1,944,818; Jan. 23.
- Whinnen, Eugene, Republic, Mich., assignor to Sullivan Machinery Company. Drilling apparatus. 1,972,635; Sept. 4.
- Whinnen, Eugene, Republic, Mich., assignor to Sullivan Machinery Company. Drilling apparatus. 1,972,636; Sept. 4.
- Whipple, Allen D., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Protected vacuum-insulated receptacle. 1,963,162; June 19.
- Whipple, Charles I., Denver, Colo. Pumping system. 1,953,453; Apr. 3.
- Whirldry Corporation, The. (See Reama, George H., assignor.)
- Whirlpool Incorporated. (See De Pew, Chester C., assignor.)
- Whirlpool Incorporated. (See Phillips, C. L., and Uppercu, assignors.)
- Whisler, Ralph H., Halfway, assignor to Hudson Motor Car Company, Detroit, Mich. Vibration damper. 1,949,520; Mar. 6.
- Whistlecroft, Arthur W. (See Franklin, C. S., and Whistlecroft.)
- Whitacre-Greer Fireproofing Company, The. (See Whitacre, John B., assignor.)
- Whitacre, John B., assignor to The Whitacre-Greer Fireproofing Company, Waynesburg, Ohio. Slotting clay column. 1,957,056; May 1.
- Whitaker, Alfred. (See Mittell, B. E. G., and Whitaker.)
- Whitaker, Alfred, West Drayton, England, assignor to Victor Talking Machine Company. Thermionic valve circuit. 1,945,244; Jan. 30.
- Whitaker, Alfred, Gerrards Cross, assignor to The Gramophone Company Limited, Hayes, Middlesex, England. Carrier wave television system. 1,962,417; June 12.
- Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Electric distribution system employing mercury arc rectifiers. 1,969,535; Aug. 7.
- Whitaker, Harry, New York, N. Y., assignor, by mesne assignments, to The Petroleum Processes Corporation, Wichita, Kans. Purifying sulphur-containing substances. 1,952,482; Mar. 27.
- Whitaker, Joseph P. (See Fielding, John, assignor.)
- Whitaker, Robert O., Kansas City, Mo. Sliced bread and wrapper holder. 1,958,733; May 15.
- Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Quick release device. 1,942,503; Jan. 9.
- Whitaker, William A., New York, N. Y. Tobacco. 1,954,109; Apr. 10.
- Whitaker, William M., Hemphill, W. Va. Insect destroyer. 1,983,423; Dec. 4.
- Whitall, Richard, New York, N. Y. Refrigerating system. 1,959,993; May 22.
- Whitall, Richard, New York, N. Y. Refrigerating system. 1,959,994; May 22.
- Whitall Tatum Company. (See Clark, Augustus M., assignor.)
- Whitall Tatum Company. (See Steelman, James S., assignor.)
- Whitby, Lawrence. (See Bengough, G. D., and Whitby.)
- Whitby, William H. (See Cribb, G. D. G., and Whitby.)
- Whitchurch, E. F. (See Ingalls, Harry, assignor.)
- Whitcomb, Arthur J. (See Fox, G., and Whitcomb.)
- Whitcomb, Arthur J., assignor to Freyn Engineering Company, Chicago, Ill. Mechanism for automatically measuring coke by volume. 1,946,120; Feb. 6.

- White, Abraham, Dorchester, Mass., assignor to Standard Oil Development Company. Aquolysis of emulsions. 1,956,603; May 1.
- White, Albert, Chicago, Ill. Rug-making machine. 1,958,556; May 15.
- White, Albert R., San Francisco, Calif. Crank case cleaner. 1,976,273; Oct. 9.
- White, Alfred H., Ann Arbor, Mich., and D. A. Fox, Milwaukee, Wis. Producer gas process using sodium carbonate. 1,948,085; Feb. 20.
- White, Alphonzo. (See Hawes, A. W., and White.)
- White, Arthur C., and S. M. Stoesser, assignors to The Dow Chemical Company, Midland, Mich. Ferric chloride etching solution. 1,969,678; Aug. 7.
- White, Ben W., Blytheville, Ark. Adjustable damper. 1,946,008; Feb. 6.
- White, Benjamin, and C. C. Evans, Austin, Tex. Signal box. 1,949,821; Mar. 6.
- White, Blanche B. (See Moss, W. H., and White.)
- White Cable Limited. (See Mainwaring, John N., assignor.)
- White Castle System of Eating Houses Corporation, The. (See Schlossman, N. J., and Demuth, assignors.)
- White, Charles F., Toronto, Ontario, Canada. Valve for hydraulic systems. 1,960,284; May 29.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Harrow. 1,941,504; Jan. 2.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Tractor planter. 1,943,778; Jan. 16.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 1,951,003; Mar. 13.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 1,951,458; Mar. 20.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,956,845; May 1.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Selective speed transmission. 1,962,223; June 12.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 1,968,187; July 31.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Bearing. 1,971,547; Aug. 28.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Planter mechanism. 1,976,314; Oct. 9.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Planter mechanism. 1,976,315; Oct. 9.
- White, Charles H., Moline, Ill., and E. McCormick, Waterloo, Iowa, assignors to Deere & Company, Moline, Ill. Agricultural implement. 1,978,874; Oct. 30.
- White, Charles W., West Frankfort, Ill. Divider. 1,944,819; Jan. 23.
- White, Charles W., Waco, Tex. Reading glass attachment. 1,975,673; Oct. 2.
- White, Clarence C., Charleston, W. Va. Automobile alarm. 1,956,782; May 1.
- White, Clarence H., assignor to Truscon Steel Company, Cleveland, Ohio. Reel. 1,972,723; Sept. 4.
- White, Clarence W., assignor to H. C. White Company, North Bennington, Vt. Chair seat. 1,971,471; Aug. 28.
- White Construction Co., Inc. (See Escher, Gustav E., assignor.)
- White, Dewey G., et al. (See Richards, James G., assignor.)
- White, D'Orsay M., Indianapolis, Ind., assignor to Champion Carburetor, a trust. Carburetor. 1,952,697; Mar. 27.
- White, Edith S., executrix. (See Stow, Audley H.)
- White, Edwin E., Paintsville, Ky. Cap locking device. 1,944,535; Jan. 23.
- White, Edwin L. (See Gebhard, L. A., White, and Rudolph.)
- White, Edwin L., Chevy Chase, Md. Method and apparatus for controlling mercury arc rectifiers. 1,980,459; Nov. 13.
- White, Eugene O., Rochester, N. Y. Hydrostatic infusion apparatus. 1,948,015; Feb. 20.
- White, Everett H., St. Paul, Minn. Hydraulic regulator. 1,984,558; Dec. 18.
- White, Frank J. (See Fisher, O. W., Walter, and White.)
- White, Frank L., assignor to Eastman Kodak Company, Rochester, N. Y. Selenazolinocarbocyanine dye and preparing it. 1,957,869; May 8.
- White, Frank L., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing 2-methylselenazone. 1,957,870; May 8.
- White, Frank M., assignor of one-half to E. E. Colby, Chicago, Ill. Spring system and list preventing means for automobiles. 1,952,400; Mar. 27.
- White, Frank R., Glenn Dale, Md. Airplane. 1,981,441; Nov. 20.
- White, Frank R., Glenn Dale, Md. Helicopter. 1,981,442; Nov. 20.
- White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Garment support and hand rest. 1,955,521; Apr. 17.
- White, Fred B., and A. Ruttman, assignors to Florence Stove Company, Gardner, Mass. Tank and liquid level indicator therefor. Re19 285; Aug. 21.
- White, Fred G. (See Link, S. E., and White.)
- White, George B. (See Comer, Victor T., assignor.)
- White, George H. (See Rhoads, J. E., and White.)
- White, George H., Hartford, Conn., assignor to C. A. Macomic, Chicago, Ill. Pattern selecting mechanism. 1,943,354; Jan. 16.
- White, George H., Hartford, Conn., assignor to C. A. Macomic, Chicago, Ill. Pattern selecting mechanism. 1,955,446; Apr. 17.
- White, George H., Hartford, Conn., assignor to Chester A. Macomic, Chicago, Ill. Shutter and shutter bed for pattern selecting mechanism. 1,958,457; May 15.
- White, George H., Philadelphia, Pa., assignor to Patent Product Corporation of Chicago, Chicago, Ill. Pump for pumping molten metal. 1,947,818; Feb. 20.
- White, George W. (See Dyal, Bonnie E., assignor.)
- White, George W. B., and A. E. Blanchet, Mystic, Conn. Paper tube cutting device. 1,953,205; Apr. 3.
- White, Gilbert E., Chickasha, Okla. Gas fuel burner. 1,968,978; Aug. 7.
- White, Halbert E., Tampa, Fla. Building construction. 1,982,088; Nov. 27.
- White, Harlan B., assignor to White Wood Products Company, Bogalusa, La. Ironing table. 1,980,894; Nov. 13.
- White, Harold E. (See James, H. D., and White.)
- White, Harold E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermal relay. 1,982,335; Nov. 27.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Electrical connector. 1,948,249; Feb. 20.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,950,157; Mar. 6.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,952,900; Mar. 27.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Conductor securing device. 1,953,379; Apr. 3.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,957,566; May 8.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,971,059; Aug. 21.
- White, H. C., Company. (See White, Clarence W., assignor.)
- White, Harry H., assignor to E. D. Barringer, Cleveland, Ohio. Weather strip. 1,946,251; Feb. 6.
- White, Harry L., Pittsburgh, Pa. Score displaying means. 1,979,593; Nov. 6.
- White, Herbert E. (See Kahn, J., and White.)
- White, Herbert E. (See Tuttle, C. M., White, and McFarlane.)
- White, Herbert E., assignor to Truscon Steel Company, Cleveland, Ohio. Tunnel liner. 1,967,489; July 24.
- White, Herbert E., Cleveland, assignor to Truscon Steel Company, Youngstown, Ohio. Forms for caissons, piers, etc. 1,967,490; July 24.
- White, Herbert E., and T. E. McLaughlin, Cleveland, assignors to Truscon Steel Company, Youngstown, Ohio. Railroad crossing structure. 1,946,448; Feb. 6.
- White, Herbert W., et al. (See Knight, George W., assignor.)
- White, Holland V., Hinton, Okla., assignor to W. and M. Seigle. Automatically illuminating float. 1,972,724; Sept. 4.
- White, Holland V., assignor to M. and W. Seigle, Hinton, Okla. Line attachment. 1,972,725; Sept. 4.
- White, J. Hawley. (See Cochrane, George H., assignor.)
- White, J. Samuel, & Company Limited. (See Hoare, Arthur, assignor.)
- White, James, and D. G. Baxter, assignors of one-fourth to F. E. Parker and one-fourth to C. S. Chapman, Duluth, Minn. Combination instrument. 1,974,856; Sept. 25.
- White, James F., Detroit, Mich. Cylinder head construction. 1,984,101; Dec. 11.
- White, James F., assignor of one-half to S. E. Hallander, Richmond, Calif. Artificial fish lure. 1,961,539; June 5.
- White, James N., Denver, Colo. Door for washing machines and the like. 1,953,380; Apr. 3.
- White, Jesse J., Savannah, Ga. Cotton gin. 1,971,362; Aug. 28.
- White, Jesse M., Philadelphia, Pa. Electrical connection. 1,942,586; Jan. 9.
- White, John C., Eureka, Calif. Furnace. 1,957,921; May 8.
- White, John C., assignor to The Hydro-Heater Corporation, Madison, Wis. Grease trap. 1,985,704; Dec. 25.
- White, John R., Fort Smith, Ark. Light socket. 1,959,652; May 22.
- White, John R., Long Island City, N. Y. Yeast composition and making the same. 1,974,937; Sept. 25.
- White, John R., New York, N. Y. Dry yeast and preparing the same. 1,974,938; Sept. 25.
- White, John W. (See Alexander, H. S., Pfeiffer, and White.)
- White, John W., Buffalo, N. Y. Brake. 1,963,479; June 19.
- White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,960,469; May 29.
- White, John W., Detroit, Mich. Hydraulic brake. 1,968,667; July 31.
- White, John W., Detroit, Mich. Automatic adjustment mechanism for vehicle brakes. 1,975,217; Oct. 2.
- White, John W., Detroit, Mich. Vehicle brake. 1,975,887; Oct. 9.
- White, John W., Detroit, Mich. Vehicle brake. 1,980,512; Nov. 13.

- White, John W., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming a brake drum. 1,943,198; Jan. 9.
- White, Joseph, New York, N. Y. Knife sharpening device. 1,968,472; July 31.
- White, Kenneth M., Mooresville, Ind., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator compensating rope sheave. 1,944,772; Jan. 23.
- White, L. C., Company. (See Schuster, Louis, assignor.)
- White, L. Q., Shoe Company. (See White, Ralph W., assignor.)
- White, Leta J. (See Reese, Anabel H., assignor.)
- White, Loyd J., assignor to Southern Prison Company, San Antonio, Tex. Locking attachment for cell-door operating mechanisms. 1,951,315; Mar. 13.
- White, Melbourne W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing belt. 1,956,816; May 1.
- White Metal Manufacturing Company. (See Witte, Paul, assignor.)
- White, Milton, Brooklyn, N. Y. Hemoglobinometer. 1,978,096; Oct. 23.
- White, Morris C., and G. W. Brown, assignors, by mesne assignments, to Bankers Protection Company, San Francisco, Calif. Security bag. 1,951,382; Mar. 20.
- White Motor Company, The. (See Alborn, Frank G., assignor.)
- White Motor Company, The. (See Alborn, F. G., and Schreckengost, assignors.)
- White Motor Company, The. (See Brumbaugh, Andrew K., assignor.)
- White Motor Company, The. (See Church, Harold D., assignor.)
- White Motor Company, The. (See Cooper, Rolland M., assignor.)
- White Motor Company, The. (See Jehle, Ferdinand, assignor.)
- White Motor Company, The. (See Schreckengost, V., and Albora, assignors.)
- White Motor Company, The. (See Smith, George W., jr., assignor.)
- White Motors Company, The. (See Vandervoort, Francis M., assignor.)
- White, Paul W., and P. Heinze, assignors to Parva Products Company, Chicago, Ill. Slide buckle. 1,947,368; Feb. 13.
- White, Ralph W., assignor to L. Q. White Shoe Company, Bridgewater, Mass. System for manufacturing shoes. 1,961,518; June 5.
- White, Raymond L., Indianapolis, Ind. Protective device for engine lubricating systems. 1,977,464; Oct. 16.
- White, Richard D., New York, N. Y. Carburetor. 1,983,957; Dec. 11.
- White, Robert H., jr., Atlanta, and E. R. Gillon, East Point, assignor to Southern Wood Preserving Company, Atlanta, Ga. Pole peeling and shaping machine. 1,943,649; Jan. 16.
- White, Ronald D., London, Ontario, Canada, assignor to Moulded Pulp Corporation, Chicago, Ill. Side pad for shipping cases. 1,977,160; Oct. 16.
- White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
- White, S. S., Dental Manufacturing Company, The. (See Bronner, Finn J., assignor.)
- White, S. S., Dental Manufacturing Company, The. (See Swartz, T. A., and Uhler, assignors.)
- White, Samuel O. (See Simpson, J. M., and White.)
- White, Samuel O., Muncie, assignor, by mesne assignments, to Free Wheeling Patents Corporation, South Bend, Ind. Free wheel and clutch interlock. 1,963,219; June 19.
- White, Sanford E., Santa Monica, Calif. Adjustable spray nozzle. 1,980,460; Nov. 13.
- White Sewing Machine Corporation. (See Colegrove, Charles E., assignor.)
- White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron tube system. 1,955,570; Apr. 17.
- White, Thomas, and S. Lister, Paisley, Scotland, assignors to Gerrard Industries Limited, London, England. Machine for binding or assembling boards. 1,966,055; July 10.
- White, Thomas A., Mansfield, Ohio. Adjustable propeller. 1,956,184; Apr. 24.
- White, Ward E. (See Elliott, P. H., and White.)
- White, Warren B., North Abington, Mass. Self-sharpening lawn mower. 1,945,582; Feb. 6.
- White, Wert L., Birmingham, Ala. Tube closure. 1,967,797; July 24.
- White, Wilbur, Chemical Company, The. (See Bridgeman, W. A., and Schade, assignors.)
- White, William B., assignor to Marshall & Bruce Company, Nashville, Tenn. Record book. 1,979,019; Oct. 30.
- White, William D., and J. A. Prater, Ocala, Fla. Kindling briquette. 1,961,411; June 5.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Reinforcement for headers and stretchers. 1,950,343; Mar. 6.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Road chair. 1,982,714; Dec. 4.
- White, William M., Milwaukee, Wis. Arrangement in hydraulic turbines. 1,975,888; Oct. 9.
- White, William M., and M. R. Elliott, Elkhart, Ind. Switch heater. 1,964,898; July 3.
- White, William S., Denver, Colo. Flushing system. 1,983,925; Dec. 11.
- White Castle System of Eating Houses Corporation, The. (See Shaffer, G. A., and Wirtz, assignors.)
- White Cloud Farms Inc. (See Bacher, Will L., assignor.)
- White Eagle Oil Corporation. (See Nevirr, Henry G., assignor.)
- White Wood Products Company. (See White, Harlan B., assignor.)
- Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
- Whitehead, Arthur W. (See Quick, C. G., Marshall, Ball, and Whitehead.)
- Whitehead Bros. Rubber Co., The. (See Williamson, Frederick B., jr., assignor.)
- Whitehead, Dean H. (See Duncan, J. K., Whitehead, and Shepherd.)
- Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Carton. 1,976,973; Oct. 16.
- Whitehead, John R., assignor to Fairbanks, Morse & Co., Chicago, Ill. Coal burning stoker. Des. 93,643; Oct. 16.
- Whitehead and Kales Company. (See Francis, L. M., Jeffers, and Fader, assignors.)
- Whitehead & Kales Company. (See Judd, Irving H., assignor.)
- Whitehead & Kales Company. (See Miller, Jesse B., assignor.)
- Whitehead Metal Products Company of New York, Inc. (See Feyling, Per L. F., assignor.)
- Whitehead, Richard H., and W. E. Porter, assignors to The New Haven Clock Company, New Haven, Conn. Clock mechanism for automobiles and the like. 1,946,890; Feb. 13.
- Whitehead, Richard H., New Haven, and J. F. Langbein, Hamden, assignors to The New Haven Clock Company, New Haven, Conn. Pull-wind clock. 1,954,658; Apr. 10.
- Whitehead, Richard H., and W. E. Porter, assignors to The New Haven Clock Company, New Haven, Conn. Electric clock. 1,978,973; Oct. 30.
- Whitehead, Thomas C. (See Greenwald, Harold A., assignor.)
- Whitehead, William. (See Dreyfus, C., and Whitehead.)
- Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Method of and apparatus for dry spinning. 1,980,240; Nov. 13.
- Whitehead, William A. (See Quick, C. G., Ball, and Whitehead.)
- Whitehead, William A. (See Quick, C. G., and Whitehead.)
- Whitehouse, John N., New York, N. Y. Apparatus for producing closed ended tubes of celluloid or the like. 1,948,605; Feb. 27.
- Whitehouse, John N., New York, N. Y., assignor to Sanite Corporation, Burlington, N. J. Method and apparatus for covering articles with sheet material. 1,980,022; Nov. 6.
- Whitehurst, George W., Portsmouth, Va. Portable radiator. 1,983,111; Dec. 4.
- Whitehurst, George W., Portsmouth, Va. Regulator for oil burners. 1,983,112; Dec. 4.
- Whitehurst, Shepard W., Fort Worth, Tex. Carburetor. 1,977,661; Oct. 23.
- Whitelaw, Roy M., Brighton Beach, Victoria, Australia. Golf tee. 1,976,316; Oct. 9.
- Whiteley, Frank A., Minneapolis, Minn. Air conditioning means. 1,969,829; Aug. 14.
- Whiteley, Frank A., Minneapolis, Minn. Bed air conditioner. 1,971,631; Aug. 28.
- Whiteley, Frank A., Minneapolis, Minn. Heat exchanger and making the same. 1,975,889; Oct. 9.
- Whiteley, George H., York, Pa., assignor to The Dentists' Supply Company of New York. Mold for artificial teeth. 1,950,872; Mar. 13.
- Whiteley, James M., jr. (See Wizevich, P. J., and Whiteley.)
- Whiteley, John T., Dunellen, N. J., assignor to I. W. Heyman, and S. L. Zavon, copartners, trading as Multi Steel Co., New York, N. Y. Steel. 1,959,398; May 22.
- Whiteley, John T., Dunellen, N. J., assignor to I. W. Heyman and S. L. Zavon, copartners, trading as Multi Steel Co., New York, N. Y. Steel and making same. 1,959,399; May 22.
- Whiteley, Joseph O. (See Dietz, C., and Whiteley.)
- White Metal Manufacturing Company. (See Witte, Paul, assignor.)
- Whitener, Ernest K., and T. F. Suggs, assignors to Cocker Machine and Foundry Company, Gastonia, N. C. Electric circuit for controlling motors. 1,948,450; Feb. 20.
- Whitescarver, Wilmer F., Rutledge, and H. H. Hopkins, Ridley Park, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,942,736; Jan. 9.
- Whitesell, John C., jr. (See Ragsdale, E. J. W., and Whitesell, jr.)
- Whitesell, John C., jr., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method and apparatus for shaping sheet material. 1,970,347; Aug. 14.
- Whitesell, John C., jr., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding. 1,975,997; Oct. 9.

- Whiteside, Arthur L., East Orange, N. J. Traveling agitator and the like. 1,982,715; Dec. 4.
- Whiteside, Arthur L., East Orange, N. J., assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland. Apparatus for and method of refining finely divided material. 1,976,974; Oct. 16.
- Whiteside, Howard A., New York, N. Y. Brush rigging and end cap assembly for surgical motors and the like. 1,960,470; May 29.
- Whitfield, Charles, Acton, London, England. Apparatus for the production of combustible gas from solid fuel. 1,974,373; Sept. 18.
- Whitfield, Charles, Acton, London, England. Gas producer grate. 1,974,374; Sept. 18.
- Whitfield Engineering Company. (See Le Fevre, Edwin K., assignor.)
- Whitfield, Joseph F., and J. H. Rimmer, Hurdle Mills, N. C. Washboard. 1,983,424; Dec. 4.
- Whitford, Richard, Palmerstown, North, New Zealand. Flexible four wheel drive for motor vehicles. 1,983,203; Dec. 4.
- Whitin Machine Works. (See Hargreaves, Robert, assignor.)
- Whitin Machine Works. (See Hendrickson, Fred K., assignor.)
- Whitin Machine Works. (See Kooistra, John A., assignor.)
- Whitin Machine Works. (See Mills, Edward, assignor.)
- Whitin Machine Works. (See Stuart, Henry B., assignor.)
- Whitin Machine Works. (See Truslow, James L., assignor.)
- Whitin Machine Works. (See West, George, assignor.)
- Whiting, Alexander F. (See Rudder, John W., assignor.)
- Whiting, Charles A., Franklin, assignor to Whiting & Davis Company, Plainville, Mass. Metal mesh fabric. Des. 93,148; Aug. 21.
- Whiting, Charles A., Franklin, assignor to Whiting & Davis Company, Plainville, Mass. Metal mesh fabric. Des. 93,149; Aug. 21.
- Whiting, Charles A., Franklin, assignor to Whiting & Davis Company, Plainville, Mass. Metal mesh fabric. Des. 93,150; Aug. 21.
- Whiting Corporation. (See Coffey, Oscar L., assignor.)
- Whiting & Davis Company. (See Whiting, Charles A., assignor.)
- Whiting, Donald F., Port Washington, assignor, by mesne assignments, to Movietonews, Inc., New York, N. Y. Gain control. 1,973,453; Sept. 11.
- Whiting, George A., Hawthorn, assignor to E. M. F. Electric Company Proprietary Limited, North Carlton, Victoria, Australia. Automatic weld rod manufacturing apparatus. 1,966,575; July 17.
- Whiting, Jasper, Dublin, N. H. Combination lock. 1,946,376; Feb. 6.
- Whiting, Maurice T., Duxbury, Mass. Picket fence. 1,953,290; May 8.
- Whiting, Maurice T., Duxbury, Mass. Split shingle. 1,958,774; May 15.
- Whiting, Robert E. (See Pipes, J. E., and Whiting.)
- Whiting, William A., Huntington Park, Calif., assignor to American Concrete and Steel Pipe Company. Lining concrete pipe and the like. 1,979,655; Nov. 6.
- Whitley, Kennedy B. (See Hunter, W. L., and Whitley.)
- Whitley, Wyatt Y., Fremont, N. C. Display case. 1,950,282; Mar. 6.
- Whitlock, Carl H., assignor to Norton Laboratories, Lockport, N. Y. Hinged receptacle. 1,950,465; Mar. 13.
- Whitlock, John W., Rising Sun, Ind. Game apparatus. 1,970,069; Aug. 14.
- Whitlock, Ralph G., Los Angeles, Calif., assignor, by mesne assignments, to Federal Foundation, Inc., Las Vegas, Nev. Register for liquids. 1,954,906; Apr. 17.
- Whitlow, Joe B., Johnson City, Tenn. Sign. 1,954,721; Apr. 10.
- Whitman & Barnes, Incorporated. (See Harrington, Ferris T., assignor.)
- Whitman, Channing, Atlanta, Ga. Luminous advertising sign. 1,960,131; May 22.
- Whitman, Channing, Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Electroluminescent tube. 1,971,147; Aug. 21.
- Whitman, Nathan D., South Pasadena, Calif., assignor to American Concrete and Steel Pipe Company. Apparatus for wrapping pipe. 1,979,656; Nov. 6.
- Whitman, Olin R., Tulsa, Okla. Collar and tie holder. 1,977,331; Oct. 16.
- Whitman, Stewart C., New York, N. Y. Reduction dubbing and recording of sound on film. 1,963,480; June 19.
- Whitman, Stewart C., Jackson Heights, N. Y. Automatic high frequency carrier control. 1,982,558; Nov. 27.
- Whitman, Vernon E., Washington, D. C., assignor to Hazeltine Corporation, Jersey City, N. J. Control system. 1,942,587; Jan. 9.
- Whitmanis Manufacturing Company. (See Whitney, Karl H., assignor.)
- Whitmarsh, Laurance B., assignor to Industrial Patents Corporation, Chicago, Ill. Cattle-skinning cradle. 1,962,799; June 12.
- Whitmer, Arthur K., Canton, Ohio. Milk bottle washer. 1,979,129; Oct. 30.
- Whitmore, Sam A. (See Strassner, F. J., and Whitmore.)
- Whitner, Thomas C., jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for counter-current treatment of two immiscible liquids. 1,981,818; Nov. 20.
- Whitney, Baxter D., & Son, Inc. (See Hawes, A. W., and White, assignors.)
- Whitney, Chauncey F., Scotia, N. Y., assignor to General Electric Company. Electric valve circuits. 1,961,024; May 29.
- Whitney, Eddy R., Philadelphia, Pa. Vehicle brake. 1,952,226; Mar. 27.
- Whitney, F. A., Carriage Company. (See Ambler, George B., assignor.)
- Whitney, Gilbert C., New York, N. Y. Railway traffic controlling system. 1,973,735; Sept. 18.
- Whitney, Gilbert C., New York, N. Y. Railway traffic controlling system. 1,973,736; Sept. 18.
- Whitney, Horace E., assignor to Dover Stamping & Manufacturing Company, Cambridge, Mass. Receptacle. 1,951,498; Mar. 20.
- Whitney, Karl H., assignor to Whitmanis Manufacturing Company, Inc., Kirksville, Mo. Vibratory apparatus. 1,956,635; May 1.
- Whitney, Lyman F. (See Weaver, E. A., and Whitney.)
- Whitney, Lyman F., assignor to Comstock & Westcott, Inc., Boston, Mass. Vacuum insulation. 1,949,732; Mar. 6.
- Whitney Mfg. Co., The. (See Belcher, W. J., and Dow, assignors.)
- Whitney Mfg. Co. (See Chapman, John C., assignor.)
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Starter gearing. 1,952,645; Mar. 27.
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,971,739; Aug. 28.
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Rebound check for engine starters. 1,971,740; Aug. 28.
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Backfire release. 1,979,302; Nov. 6.
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism. 1,979,920; Nov. 6.
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,982,089; Nov. 27.
- Whitney Metal Products Corp. (See Nord, Benjamin, assignor.)
- Whitney Metal Products Corporation. (See Turer, Jack, assignor.)
- Whitney Museum of American Art, The. (See Free, Karl R., assignor.)
- Whitney, Noel C., Terre Haute, Ind. Baseball game apparatus. 1,980,125; Nov. 6.
- Whitney, Robert F., and F. D. Clement, Winchester, Mass., assignors to The Turner Tanning Machinery Company, Portland, Maine. Work clamping means. 1,981,936; Nov. 27.
- Whitney Trust & Savings Bank, et al., executors. (See Sampson, Thomas H.)
- Whitney, Wiley, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,950,129; Mar. 6.
- Whitney, Wiley, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,979,020; Oct. 30.
- Whitney, Willis B., and E. B. Wedmore, assignors to The British Electrical and Allied Industries Research Association, London, England. Circuit breaker. 1,955,212; Apr. 17.
- Whitney, Willis B., E. B. Wedmore, and A. M. Cassie, assignors to The British Electrical and Allied Industries Research Association, London, England. Circuit breaker. 1,955,213; Apr. 17.
- Whitney, Willis B., E. B. Wedmore, and A. M. Cassie, assignors to The British Electrical and Allied Industries Research Association, London, England. Electrical switch or circuit breaker. 1,955,214; Apr. 17.
- Whitney, Willis B., E. B. Wedmore, and A. M. Cassie, assignors to The British Electrical and Allied Industries Research Association, London, England. Circuit breaker. 1,955,215; Apr. 17.
- Whitney, Willis B., E. B. Wedmore, and L. Gosland, assignors to The British Electrical and Allied Industries Research Association, London, England. Electrical circuit breaker. 1,955,216; Apr. 17.
- Whitney, Willis B., and E. B. Wedmore, assignors to The British Electrical and Allied Industries Research Association, London, England. Electrical circuit breaker. 1,981,404; Nov. 20.
- Whiton, Louis C., jr., assignor to Prat-Daniel Corporation, New York, N. Y. Fan blade. 1,985,705; Dec. 25.
- Whiton, Lucius E., New London, Conn. Chuck controlling device. 1,974,384; Sept. 18.
- Whiton, Lucius E., New London, Conn. Chuck controlling mechanism. 1,974,385; Sept. 18.
- Whitsett, Cameron A., Chicago, Ill. Aeroplane power plant. 1,942,674; Jan. 9.
- Whitsitt, William B., Baltimore, Md. Fire extinguishing and brake control mechanism for railway cars. 1,962,977; June 12.
- Whitson, Delmar A., and L. W. Physioc, assignors to Technical Research Manufacturing Corporation, Los Angeles, Calif. System and method for printing motion picture films. 1,963,342; June 19.

- Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway control system. 1,955,319; Apr. 17.
- Whittaker, Colin W., and F. O. Lundstrom, Washington, D. C., dedicated to the free use of the public. Production of alkali metal nitrate. 1,965,400; July 3.
- Whittaker, Frederick A., assignor to Marathon Company, Attleboro, Mass. Combined cigarette container and pyrophoric lighter. Des. 91,289; Jan. 2.
- Whittaker, John D. (See Beck, M. B., and Whittaker.)
- Whittaker, Norman A., assignor of one-third to G. McDonald and one-third to E. Johanson, Seattle, Wash. Time recording apparatus. 1,964,409; June 26.
- Whittaker, Norman A., assignor of one-half to F. H. Lyons, Seattle, Wash. Gardener's tool. 1,978,659; Oct. 30.
- Whittam, Thomas, Brockport, N. Y. Making malt beverages. 1,943,943; Jan. 16.
- Whitted, John B., assignor to Stewart-Warner Corporation, Chicago, Ill. Clutch construction. 1,948,156; Feb. 20.
- Whittemore, Winthrop C., Port Washington, N. Y., assignor to The Dentists' Supply Company of New York. Artificial tooth. 1,970,927; Aug. 21.
- Whitten, Noah L., and A. M. Moseley, Thomaston, Ga. Expandable sheave. 1,963,816; June 19.
- Whittenberg, Alice M., administratrix. (See Whittenberg, Charles E.)
- Whittenberg, Charles E., Knoxville, Iowa, deceased, A. M. Whittenberg, administratrix, assignor, by mesne assignments, to F. C. Hatch, Whiteby, Ontario, Canada. Floor waxer. 1,955,703; Apr. 17.
- Whittenton Manufacturing Company. (See Kyle, Joseph L., assignor.)
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Electric switch. 1,945,459; Jan. 30.
- Whittington, Ralph S., Oak Park, Ill., assignor to The Farval Corporation, Cleveland, Ohio. Automatic pump. 1,941,453; Jan. 2.
- Whittle, Anthony J., Chicago, Ill. Article retainer. 1,957,377; May 1.
- Whittle, Benjamin B., Oklahoma City, Okla. Valve. 1,976,052; Oct. 9.
- Whittles, Joseph R. (See Dunbar, H. W., and Whittles.)
- Whittles, Joseph R., Rockford, Ill., assignor to Norton Company, Worcester, Mass. Hydraulically driven surface grinding machine. 1,978,181; Oct. 23.
- Whitton, Charles, and A. H. Walker, Chicago, Ill. Racket stringer. 1,958,326; May 8.
- Whitty Manufacturing Company. (See Whitty, W. H., and Taylor.)
- Whitty, Wilbur H., and E. C. Taylor, assignors to Whitty Manufacturing Company, Inc., Boston, Mass. Automatic stoker. 1,957,400; May 1.
- Whitworth, Edward. (See Burns, R., Stickland, and Whitworth.)
- Whitworth, Stanley, assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,947,894; Feb. 20.
- Whitworth, Stanley, assignor to Bendix Brake Company, South Bend, Ind. Making brake shoes. 1,972,212; Sept. 4.
- Whybark, Ralph F. (See Wallace, O. P., and Whybark.)
- Whyte, John, assignor to Warner Electric Brake Corporation, Beloit, Wis. Electric brake. 1,944,831; Jan. 23.
- Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Friction device. 1,945,245; Jan. 30.
- Whyte, John, Beloit, assignor to Warner Electric Corporation, South Beloit, Wis. Automatic brake control. 1,967,698; July 24.
- Whyte, Samuel, Redhill, Surrey, England. Manufacture of rolled steel products. 1,943,944; Jan. 16.
- Whyte, Samuel, Redhill, and W. E. Lord, assignors to Electric and Musical Industries Limited, Hayes, England. Manufacture of thermo-plastic materials or articles comprising a cellulose derivative. 1,952,696; Mar. 27.
- Wiatt, Marcus E., Council Bluffs, Iowa. Hillside cultivator. 1,972,671; Sept. 4.
- Wibaut, Johan P., and H. J. den Hertog, jr., Amsterdam, Netherlands, assignors to The Dow Chemical Company, Midland, Mich. Halogenating pyridines. 1,977,662; Oct. 23.
- Wiberg, Oscar A., Flinspong, Sweden. Radial flow elastic fluid turbine. 1,944,538; Jan. 23.
- Wiberg, Oscar A., Flinspong, Sweden. Bearing device for rotary bodies. 1,970,992; Aug. 21.
- Wiberg, Oscar A., and O. Möller, Flinspong, Sweden. Steam turbine. 1,944,538; Jan. 23.
- Wiberg, Oscar A., and O. Möller, Flinspong, Sweden. Radial flow elastic fluid turbine. 1,944,537; Jan. 23.
- Wicaco Machine Corporation, The. (See Hersam, Conrad O., assignor.)
- Wicaco Machine Corporation, The. (See Laird, Joseph P., assignor.)
- Wicaco Machine Corporation, The. (See Sippel, John J., assignor.)
- Wicha, Alois, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y. Fluid actuator and pump. 1,946,343; Feb. 6.
- Wicha, Alois, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y. Lubrication system. 1,946,344; Feb. 6.
- Wicha, Alois, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y. Pump. 1,984,447; Dec. 18.
- Wichmann, John C., Chicago, Ill. Air conditioner. 1,981,159; Nov. 20.
- Wicinski, Adam. (See Witekiewicz, R., and Wininski.)
- Wick, Albert H., St. Louis, Mo. Building unit. 1,946,560; Feb. 13.
- Wick, Emil A., Brooklyn, N. Y., assignor to The E. Ingraham Company, Bristol, Conn. Signal clock. 1,960,521; May 29.
- Wick, Francis M., Youngstown, Ohio. Shredding apparatus. 1,943,752; Jan. 16.
- Wick, John F., assignor to Wicks Pipe Organ Co., Highland, Ill. Balanced valve for pipe organs. 1,984,167; Dec. 11.
- Wickenden, Leonard. (See Wadsworth, D. V., and Wickenden.)
- Wickenhauser, Hans. (See Loos, Walter, assignor.)
- Wicker, Charles R. (See McNamara, L. C., Conway, Bissell, Harold, and Wicker.)
- Wickersham, Don P., assignor to The Johnson Manufacturing Company, Urbana, Ohio. Shipping box. 1,970,787; Aug. 21.
- Wickersham, Elmer E., assignor to Caterpillar Tractor Co., San Leandro, Calif. Harvester. 1,945,497; Jan. 30.
- Wickersham, Elmer E., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Thresher. 1,962,541; June 12.
- Wickersham, Harry P. (See Burns, E., and Wickersham.)
- Wickersham, Harry P., Huntington Park, and J. O. Tow, South Pasadena, Calif. Control head. 1,966,809; July 17.
- Wickert, Jacob N., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Esters of 2-ethylbutanol-1. 1,972,579; Sept. 4.
- Wickes, Powers A. (See Nourse, W. H., and Wickes.)
- Wickham, Alfred R., Sawton, assignor to Spicers Limited, London, England. Manufacture of sheets or films of compositions containing cellulose esters or ethers. 1,961,025; May 29.
- Wickland, Leonard L., Minneapolis, Minn. Visor. 1,953,791; Apr. 3.
- Wickliffe, John K., assignor to Industrial Patents Corporation, Chicago, Ill. Cutter. 1,977,870; Oct. 23.
- Wickman, Alfred, Gardner, Mass. Game board. 1,971,839; Aug. 28.
- Wicks, Elverson H. (See Henderson, Albert, assignor.)
- Wicks, John, Oak Park, Ill., assignor to Automatic Electric Company, Limited, Liverpool, England. Telephone system. 1,942,462; Jan. 9.
- Wicks, John, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 1,967,848; July 24.
- Wicks Pipe Organ Co. (See Wick, John F., assignor.)
- Wickson, Harmon, Rochester, assignor to General Railway Signal Company, Rochester, N. Y. Testing apparatus for train control devices. 1,942,157; Jan. 2.
- Wickstrom, Eugene E., Duluth, Minn. Tire. Des. 92,938; July 31.
- Wickwire, Arthur M., jr., Nutley, assignor to Peerless Roll Leaf Co., Inc., Union City, N. J. Process and machine for impressing and embossing covering material. 1,949,362; Feb. 27.
- Wickwire, Arthur M., jr., Nutley, assignor to Peerless Roll Leaf Co., Inc., Union City, N. J. Stamping machine. 1,953,736; Apr. 3.
- Wickwire Spencer Steel Company. (See King, Vernon C., assignor.)
- Wickwire Spencer Steel Company. (See Werme, M. G., and Evans, assignors.)
- Wickwire Spencer Steel Company. (See Woodman, Frank, assignor.)
- Wickwire Spencer Steel Company. (See Woodman, F. N., Nelson, and Smith, assignors.)
- Wico Electro Company. (See Louis, Terrence G., assignor.)
- Widell, Magnus E., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Apparatus for preparing container blanks. 1,948,553; Feb. 27.
- Widell, Nils, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,960,040; May 22.
- Widerberg, Oscar A., Worcester, Mass. Cover lock for gas tanks and the like. 1,960,361; May 29.
- Wideroe, Marshall S., Chicago, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Electric lighting fixture. Des. 92,636; June 26.
- Wideröe, Rolf, Berlin-Karlshorst, Germany, assignor to General Electric Company. Protective apparatus. 1,967,849; July 24.
- Wideröe, Rolf, Berlin-Karlshorst, Germany, assignor to General Electric Company. Electroresponsive apparatus. 1,967,850; July 24.
- Widell, Henry E., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Converting petroleum hydrocarbons. 1,971,244; Aug. 21.
- Widman, Charles H., Detroit, Mich., assignor to The Murray Corporation of America. Outside molding or reveal. 1,980,023; Nov. 6.
- Widmann, Gustav A., Chicago, Ill. Net weaving machine. 1,974,977; Sept. 25.
- Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Anode grid structure. 1,943,250; Jan. 9.

- Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rectifier electrode seal. 1,953,033; Mar. 27.
- Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rectifier cooling system. 1,967,696; July 24.
- Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Arcing frequency changing system. 1,980,461; Nov. 13.
- Widmer, Stefan, and A. Gaudenzi, assignors to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rectifier anode bushing. 1,943,251; Jan. 9.
- Widmer, Stefan, H. Keller, and M. Hürlimann, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electric current rectifying system. 1,945,472; Jan. 30.
- Widmer, Stefan, and G. Brunner, assignors to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Rectifier control system. 1,983,204; Dec. 4.
- Widmer, Willi. (See Straub, F., and Widmer.)
- Widerman, Morris, Brooklyn, N. Y. Curl clip. 1,946,561; Feb. 13.
- Wiebusch, Charles F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating device. 1,985,005; Dec. 18.
- Wiechert, George A., New York, N. Y. Molding flask. 1,949,227; Feb. 27.
- Wiedbrauck, Erich, and K. Büche, assignors to the firm Th. Goldschmidt A.-G., Essen-Ruhr, Germany. Production of monobasic aluminum sulphite. 1,971,668; Aug. 28.
- Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube and flue expander. 1,944,338; Jan. 23.
- Wiedeke, Gustav, Company. (See Wiedeke, Gustav, assignor.)
- Wiedeman, George M. (See Helwig, E. L. and Wiedeman.)
- Wiedmann, Ernst. (See Ferris, J. P., and Wiedmann.)
- Wiedman, Ernst. (See Ferris, W., Wiedman, and Clute.)
- Wiedenmann, Fritz, Stuttgart, Germany. Mattress and heating means therefor. 1,957,401; May 1.
- Wiedemann, Olaf C., Beachmont, Mass. Ratchet tool. 1,970,409; Aug. 14.
- Wiederhold, Oscar, Skillman, N. J. Gas stove. 1,963,817; June 19.
- Wiegand, Albert P., Pittsburgh, Pa. Aircraft propeller. 1,956,055; Apr. 24.
- Wiegand, Albert P., Pittsburgh, Pa. Aircraft propeller. 1,970,114; Aug. 14.
- Wiegand, Fred B., Cleveland, Ohio. Duplex dead end. 1,960,610; May 29.
- Wiegand, Frederick B., Cleveland, and B. J. Schmendt, Lakewood, Ohio, and O. S. Flath, Chicago, Ill. Cable outlet. 1,982,716; Dec. 4.
- Wiegand, Kurt, Berlin-Tempelhof, Germany, assignor to General Electric Company. Electric discharge device. 1,951,113; Mar. 13.
- Wiegand, Kurt, Berlin, Germany, assignor to General Electric Company. Electric radiation device. 1,971,887; Aug. 28.
- Wiegand, Kurt, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge device. 1,971,944; Aug. 28.
- Wiegand, Paul C., Brooklyn, N. Y. Self-sealing tube. 1,941,520; Jan. 2.
- Wieland, Heinrich, Munich, assignor to the firm of C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Preparing lobelia alkaloids, their derivatives, and allied compounds. 1,946,345; Feb. 6.
- Wienecke, Bruno. (See Loewe, S., and Wienecke.)
- Wienecke, Bruno, Berlin, Germany. Manufacturing high emissive cathodes. 1,943,945; Jan. 16.
- Wieneke, Henry A., St. Louis, Mo. Filter. 1,962,542; June 12.
- Wiener, Alonzo L., Cleveland, Ohio. Balloon spinner. 1,967,138; July 17.
- Wiener, John A., and J. B. Harmon, Oswego, N. Y. Composition board. 1,978,923; Oct. 30.
- Wiener, Joseph D., New York, N. Y. Lace. Des. 93,429; Sept. 25.
- Wiener, Joseph D., New York, N. Y. Lace. Des. 93,430; Sept. 25.
- Wieners, Franz, Opladen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuff of the thioindigo series. 1,972,177; Sept. 4.
- Wier, Albert E., Brooklyn, N. Y. Projecting apparatus. 1,979,921; Nov. 6.
- Wiersma, Douwe D. (See Wiersma, Gerrit D. and D. D.)
- Wiersma, Gerrit D., Almelo, and D. D. Wiersma, Apeldoorn, assignors to Naamloze Vennootschap Technische Handelmaatschappij voor Raamconstructies, Almelo, Netherlands. Pivotal window construction. 1,970,351; Aug. 14.
- Wiese, Marx J., Providence, R. I. Spoon or similar article. Des. 93,078; Aug. 14.
- Wieseneck, Morris, Arverne, Long Island, N. Y. Napkin container. Des. 92,637; June 26.
- Wiesenthal, Helen, Elizabeth, N. J. Flowerpot stand. Des. 94,061; Dec. 11.
- Wieslander, Daniel H., Portland, Maine. Paper hanger's board. 1,972,213; Sept. 4.
- Wiesler, Karl, Constance, assignor, by mesne assignments, to the firm of Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Continuous preparation of acetic acid from acetaldehyde. 1,953,381; Apr. 3.
- Wiesler, Karl, Constance, assignor, by mesne assignments, to the firm of Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Manufacture of acetic acid from acetaldehyde. 1,982,559; Nov. 27.
- Wiessner, Alfred, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic battery charging system. 1,954,110; Apr. 10.
- Wiethoff, Frank F. (See Tormyn, H., and Wiethoff.)
- Wieting, Bernard G., Orchard, Nebr. Protecting covering for window frames. 1,952,957; Mar. 27.
- Wietzel, Else, administratrix. (See Wietzel, R., and Pfaunder.)
- Wietzel, Gustav, W. Haller, and W. Hennicke, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of hydrogen. 1,957,743; May 8.
- Wietzel, Gustav, and G. Schiller, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of gaseous mixtures containing hydrogen and nitrogen from methane. 1,957,744; May 8.
- Wietzel, Rudolf, deceased, Ludwigshafen-on-the-Rhine, by E. Wietzel, Wilhelmshorst, administratrix, and C. Pfaunder, Oppau, Germany, assignor to Standard I. G. Company, Linden, N. J. Refining of crude paraffin wax. 1,973,833; Sept. 18.
- Wietzel, Rudolf, and B. Engel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Separation of finely divided impurities from liquids. 1,945,583; Feb. 6.
- Wiesel, Rudolph E., Liverpool, and H. G. Berberich, Syracuse, N. Y. Basket ball goal indicator. 1,980,652; Nov. 13.
- Wiezewich, Peter J., Elizabeth, and J. M. Whiteley, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Initiating polymerization reactions. 1,981,819; Nov. 20.
- Wiggam, David R., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing smokeless powder. 1,965,362; July 3.
- Wiggam, David R., Kennett Square, Pa., and J. S. Tinsley, assignors to Hercules Powder Company, Wilmington, Del. Nitro-mixed fatty acid esters of cellulose and method for producing. 1,943,231; Jan. 9.
- Wigger, Carl, and R. Bömcke, Unna, Germany. Wood chipping machine. 1,942,675; Jan. 9.
- Wiggert, John F., Lead, S. Dak. Automatic blasting cap crimping device. 1,949,822; Mar. 6.
- Wiggin, Daniel W., assignor to The Abbott Company, Yarmouth, Maine. Calked sole structure. 1,945,840; Feb. 6.
- Wiggin, Daniel W., Yarmouth, assignor to The Abbott Company, Wilton, Maine. Calk structure. 1,954,761; Apr. 10.
- Wiggins, Edward J., assignor, by mesne assignments, to The Muter Company, Chicago, Ill. Resistance unit. 1,957,188; May 1.
- Wiggins, John H., Tulsa, Okla. Drain for breather type roofs. 1,976,592; Oct. 9.
- Wiggins, John H., Tulsa, Okla. Seal for floating tank roofs. 1,979,657; Nov. 6.
- Wiggins, John H., and C. A. Turner, Tulsa, Okla., assignors to John H. Wiggins Company, Chicago, Ill. Automatic gauge for liquid storage tanks. 1,972,120; Sept. 4.
- Wiggins, John H., Company. (See Wiggins, J. H., and Turner, assignors.)
- Wiggins, Peter, Maspeth, assignor to Eastern Tube and Tool Co. Inc., Brooklyn, N. Y. Apparatus for manufacturing armored conductors. 1,976,821; Oct. 16.
- Wight, Edward H. (See Ober, B., and Wight.)
- Wight, Edward H., D. L. Anderson, and W. N. Watmough, Jr., Baltimore, Md. Preparation of superphosphate. 1,985,810; Dec. 25.
- Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. Rel.053; Jan. 16.
- Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,942,788; Jan. 9.
- Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,969,053; Aug. 7.
- Wightman, Lillian, Hammond, Ind. Baby exerciser and toy rack. 1,949,594; Mar. 6.
- Wightman, Lillian G., Hammond, Ind. Sand toy. 1,950,423; Mar. 13.
- Wigton, George H., Eureka, Utah. Froth flotation of oxidized ores. 1,974,885; Sept. 25.
- Wikander, Anders J., and H. E. Ohn, Brooklyn, N. Y. Rake cleaning device. 1,981,488; Nov. 20.
- Wikander, Oscar R., assignor to Edgewater Steel Company, Pittsburgh, Pa. Friction spring device. 1,941,521; Jan. 2.
- Wikander, Oscar R., assignor to Edgewater Steel Company, Pittsburgh, Pa. Shock absorber. 1,951,114; Mar. 13.
- Wikander, Oscar R., assignor to Edgewater Steel Company, Pittsburgh, Pa. Car construction. 1,979,359; Nov. 6.

- Wikkenhauser, Gustav. (See von Okolicsanyi, F., and Wikkenhauser.)
- Wikle, George F., assignor to United States Tire Company, Incorporated, Detroit, Mich. Bead forming apparatus. 1,964,445; June 26.
- Wikstrom, Anders E., assignor to C. H. Dietz, San Jose, Calif. Pie trimmer. 1,964,699; June 26.
- Wilber, Charles T., East Orange, N. J., assignor of one-half to W. Bohlbecher, New York, N. Y. Veneer. 1,961,627; June 5.
- Wilber, Paul F., Syracuse, N. Y., assignor to The Capehart Automatic Phonograph Corporation, Fort Wayne, Ind. Phonograph record transfer mechanism. 1,964,336; June 26.
- Wil-Bro Corporation. (See Williams, Benjamin F., assignor.)
- Wilbur, John. (See Eason, Harrison G., assignor.)
- Wilbur, Lawrence S. (See Caldwell, E. D., and Wilbur.)
- Wilckens, Kurt W., Philadelphia, Pa., assignor to Heine-mann Electric Company, Trenton, N. J. Switch and circuit breaker. 1,960,402; May 29.
- Wilcolator Company. (See Fonseca, Edward L., assignor.)
- Wilcomb, John F., deceased, Philadelphia, Pa.; M. W. Thompson, executrix. Knitted nonravel contoured fabric. 1,949,439; Mar. 6.
- Wilcox, Albert C., Bridgeport, Ohio. Cooking utensil. 1,954,551; Apr. 10.
- Wilcox, Albert C., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Automatic electric drip coffee maker. 1,962,165; June 12.
- Wilcox, Basil L., Wellsboro, Pa. Miter box. 1,957,239; May 1.
- Wilcox, Carl C., assignor to the Studebaker Corporation, South Bend, Ind. Drying oven. 1,946,923; Feb. 13.
- Wilcox, Chester M., Charlotte, Mich., assignor to General Apparatus Corporation, New York, N. Y. Radio receiving apparatus. 1,945,795; Feb. 6.
- Wilcox, E. C., Corporation, The. (See Young, Frank A., Jr., assignor.)
- Wilcox, Edward R., Oakland, Calif., assignor to Pacific Manufacturing Book Company, Limited, Toronto, Ontario, Canada. Manifold assembly. 1,954,339; Apr. 10.
- Wilcox, Frank, Los Angeles, Calif. Police whistle. Des. 93,315; Sept. 11.
- Wilcox, Halle M., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Internally ribbed tube. 1,963,056; June 12.
- Wilcox, Halle M., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Forming tubular structural elements. 1,963,057; June 12.
- Wilcox, Harry C., assignor to Pressed Steel Tank Company, Milwaukee, Wis. Device for securing a head to a barrel. 1,978,241; Oct. 23.
- Wilcox, Henry M., Chicago, Ill. Rod packing. 1,958,221; May 8.
- Wilcox, Lewis T., Peekskill, N. Y., assignor to Wilcox Patents Corporation. Burner. 1,965,018; July 3.
- Wilcox Patents Corporation. (See Wilcox, Lewis T., assignor.)
- Wilcox, Perley S., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Cap for cap spinning machines. 1,969,441; Aug. 7.
- Wilcox-Rich Corporation. (See Bush, F. L., Hill, and Hervig, assignors.)
- Wilcox-Rich Corporation. (See Charlton, George, assignor.)
- Wilcox-Rich Corporation. (See Daisley, Robert H., assignor.)
- Wilcox-Rich Corporation. (See Ferguson, D. M., and Maurer, assignors.)
- Wilcox-Rich Corporation. (See Hoern, Joseph H., assignor.)
- Wilcox-Rich Corporation. (See Jardine, Robert, assignor.)
- Wilcox-Rich Corporation. (See McDonald, Charles B., assignor.)
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making nuts and like articles. 1,957,922; May 8.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Nut. 1,957,923; May 8.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Apparatus for forming metal article. 1,957,924; May 8.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Knockout mechanism. 1,963,572; June 19.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Header or upsetting machine. 1,968,921; Aug. 7.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Nut. 1,974,729; Sept. 25.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Header or upsetting machine. 1,977,161; Oct. 16.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making articles having a polygonal cross section. 1,977,162; Oct. 16.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Die mechanism. 1,977,163; Oct. 16.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Upsetting mechanism. 1,980,653; Nov. 13.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism. 1,982,460; Nov. 27.
- Wilcox, Richard L., New Haven, assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making articles having a polygonal cross section. 1,971,548; Aug. 28.
- Wilcox, Richard L., New Haven, assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making articles having a polygonal cross section. 1,977,164; Oct. 16.
- Wilcox, Richard L., Waterbury, Conn., and W. D. Rigney, assignors to Russell, Burdall & Ward Bolt and Nut Company, Portchester, N. Y. Feed mechanism. 1,966,056; July 10.
- Wilcox, Stephen S., Portland, Oreg. Envelope. 1,984,559; Dec. 18.
- Wilcox, Urbahart, Buffalo, N. Y. Sight for bows. 1,982,489; Nov. 27.
- Wilcox, Vance S., assignor of one-half to L. D. Moore, Los Angeles, Calif. Self-sealing dispenser for toothpaste and like commodities. 1,941,727; Jan. 2.
- Wilcox, William D., Lawrence, Kans. Dissociating hydrocarbon gases and vapors to obtain a mixture of hydrogen and nitrogen in determined proportions. 1,951,044; Mar. 13.
- Wilcox, William D., Idaho Falls, Idaho. Obtaining a mixture of hydrogen and nitrogen in determined proportions from natural gas and similar hydrocarbon gases. 1,962,418; June 12.
- Wilcox, William H., Little Rock, Ark. Motor vehicle. 1,975,525; Oct. 2.
- Wilczek, Ludwic A. (See Spaloss, Frank, assignor.)
- Wilczek, Ludwic A., New York, N. Y. Projection-lamp carbon-holder or savor. 1,958,981; May 15.
- Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Carton filling machine. 1,969,830; Aug. 14.
- Wild, Julius E., Springfield, and W. E. Schwarzmann, Long Meadow, assignors to United American Bosch Corporation, Springfield, Mass. Radio shielded cable fastener. 1,969,866; Aug. 14.
- Wilde, Garland W., Richmond, Va. Carton. Des. 92,139; May 1.
- Wilde, Garland W., Richmond, Va. Duplex envelope. 1,951,955; Mar. 20.
- Wilde, Hans, Cliffside Park, N. J. Textile fabric or the like. Des. 91,506; Feb. 13.
- Wilde, Joseph L., Pittsburgh, Pa. Apparatus for shaping and pressing meat for cooking. 1,960,964; May 29.
- Wilde, Kurt, Berlin-Wilmersdorf, Germany, assignor, by mesne assignments, to Builders Iron Foundry, Providence, R. I. Remote control indicator system. Re19,039; Jan. 2.
- Wilde, Kurt, Berlin, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Wired-wireless system. 1,956,368; Apr. 24.
- Wilde, Kurt, Berlin-Wilmersdorf, Germany, assignor, by mesne assignments, to Builders Iron Foundry, Providence, R. I. Telemetric receiver. 1,985,130; Dec. 18.
- Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Gas stove. 1,955,480; Apr. 17.
- Wilder, Alice E., Oakland, Calif. Toy bed. 1,975,305; Oct. 2.
- Wilder, Harold K., assignor to Kellogg Company, Battle Creek, Mich. Decaffeinating coffee beans. 1,977,416; Oct. 16.
- Wilder, John M., Birmingham, Ala. Static and interference eliminator for radio apparatus. 1,949,440; Mar. 6.
- Wilder, Will D. M., Leedey, Okla. Toy. 1,965,996; July 10.
- Wildermann, Rudolf. (See Bierbach, Carl F., assignor.)
- Wildhaber, Ernest, Rochester, N. Y. Abrading gears. 1,956,407; Apr. 24.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Cutting bevel and hypoid gears. 1,956,817; May 1.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Generating tapered gears. 1,977,749; Oct. 23.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,980,365; Nov. 13.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Gear. 1,982,037; Nov. 27.
- Wildhaber, Ernest, Brooklyn, N. Y. Method and apparatus for projecting pictures. 1,957,745; May 8.
- Wildhaber, Ernest, Brooklyn, N. Y. Cutting gears. 1,978,924; Oct. 30.
- Wildhaber, Ernest, Brooklyn, N. Y. Presenting pictures. 1,984,004; Dec. 11.
- Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,982,036; Nov. 27.
- Wildman, Harry G., Westmount, Quebec, Canada, assignor of one-half to C. H. Fowler, New York, N. Y. Treating alunite. 1,971,310; Aug. 21.
- Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
- Wildman Mfg. Co. (See Howie, K., and Kriebel, assignors.)
- Wildrick, Meade, Wilmington, Del. Refrigeration apparatus. 1,955,266; Apr. 17.
- Wildt and Company Limited. (See Holmes, H. H., and Robinson, assignors.)

- Wildt and Company Limited. (See Robinson, Robert H., assignor.)
- Wildt and Company Limited. (See Wildt, E., and Holmes, assignors.)
- Wildt, Edwin, and H. H. Holmes, assignors to Wildt and Company Limited, Leicester, England. Knitting machine. 1,947,750; Feb. 20.
- Wildt, Edwin, and H. H. Holmes, assignors to Wildt and Company Limited, Leicester, England. Knitted article. 1,965,873; July 10.
- Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Combined strainer and tube connection. 1,959,314; May 15.
- Wile, Lyndel W. (See Waugh, R. E., and Wile.)
- Wiles, Charles B. (See Flint, F. C., and Wiles.)
- Wiles, Russell, jr., Chicago, Ill. Rim-fire rifle and ammunition therefor. 1,966,155; July 10.
- Wiles, Sydney T., assignor to Buffalo Electric Furnace Corporation, Buffalo, N. Y. Method of and apparatus for propagating reactions. 1,946,252; Feb. 6.
- Wiley, Alexander A., Ashland, Ohio. Rubber glove. 1,979,130; Oct. 30.
- Wiley, Carl H. (See Wiley, Elbert H. and C. H.)
- Wiley, Clarence F., Norton, assignor to Glenwood Range Company, Taunton, Mass. Broiler. 1,985,754; Dec. 25.
- Wiley, Elbert H. and C. H., assignors to Curtis-Wiley Marine Salvors, Seattle, Wash. Mechanical arm and hand. 1,979,782; Nov. 6.
- Wiley, Esmond F., Oakland, assignor to Universal Window Company, Berkeley, Calif. Awning type window. 1,959,941; May 22.
- Wiley, Francis C. (See Shepherd, M. S., and Wiley.)
- Wiley, George E. (See Miller, Lewis J., assignor.)
- Wiley, Roy R., W. K. Wiley and H. J. Cudney, Buffalo, assignors to Flexlume Corporation, Tonawanda, N. Y. Illuminated sign. 1,942,626; Jan. 9.
- Wiley, Roy R., and A. L. Brandt, sr., Buffalo, assignors to Flexlume Corporation, Tonawanda, N. Y. Electrode for luminescent tubes. 1,942,627; Jan. 9.
- Wiley, Roy R., and A. L. Brandt, Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Electrode construction for electroluminescent tubes. 1,974,762; Sept. 25.
- Wiley, Samuel, Metuchen, N. J. Projectile. 1,941,590; Jan. 2.
- Wiley, Samuel, Metuchen, N. J. Shock absorber for parachutes. 1,947,507; Feb. 20.
- Wiley, Samuel, Metuchen, N. J. Flare. 1,964,016; June 26.
- Wiley, W. C. (See Robertson, Charlie W., assignor.)
- Wiley, Wallace K. (See Wiley, Roy R. and W. K., and Cudney.)
- Wiley, William R., Detroit, Mich. Bolt. 1,955,353; Apr. 17.
- Wiley, William R., Detroit, Mich. Correlating a plurality of initially separate structural pieces. 1,965,718; July 10.
- Wiley, William R., Detroit, Mich. Bolt. 1,985,333; Dec. 25.
- Wilfley, A. R., and Sons, Inc. (See Geer, William E., assignor.)
- Wilfley, A. R., and Sons, Inc. (See Wilfley, Elmer R., assignor.)
- Wilfley, Elmer R., assignor to A. R. Wilfley and Sons, Inc., Denver, Colo. Sealing means for centrifugal pumps. 1,976,532; Oct. 9.
- Wilford, Edward B. (See Riesler, W., and Kreiser, assignors.)
- Wilford, Edward B., Merlon Station, Pa. Aircraft. 1,950,424; Mar. 13.
- Wilford, Edward B., Merlon, Pa. Aircraft. 1,957,813; May 8.
- Wilfred, Thomas, Forest Hills, N. Y. Light display apparatus. 1,973,454; Sept. 11.
- Wilham, William C., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Low friction composition. 1,959,775; May 22.
- Wilhelm, Arthur M., Randolph, N. Y. Wind T locator. 1,984,168; Dec. 11.
- Wilhelm, Ernest J. (See Truesdale, E. C., and Wilhelm.)
- Wilhelm, Ernest J. (See Truesdale, E. C., Wilhelm, and Reinhard.)
- Wilhelm, Francis V., and T. K. Gregorius, Creighton, Pa., assignors to Pittsburgh Plate Glass Company, Process and apparatus for surfacing plate glass. 1,959,225; May 15.
- Wilhelm, Franz W., Swissvale, Pa. Drawing board structure. 1,949,521; Mar. 6.
- Wilhelm, John H., Hamilton Beach, assignor to Margon Corporation, New York, N. Y. Eye set for dolls. 1,947,283; Feb. 13.
- Wilhelm, John W., assignor to W. S. Wilhelm, St. Petersburg, Fla. Combined truck and mound covering device. 1,950,425; Mar. 13.
- Wilhelm, Karl, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Automatic volume control. 1,973,182; Oct. 23.
- Wilhelm, Karl, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Low capacity switching means. 1,982,717; Dec. 4.
- Wilhelm, Ray D., and E. E. Bevan, South Gate, Calif., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for treating rubber. 1,972,822; Sept. 4.
- Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drilling mechanism. 1,942,014; Jan. 2.
- Wilhelm, Walter S. (See Wilhelm, John W., assignor.)
- Wilhelm, Warner F., assignor to Marshall Field & Company, Chicago, Ill. Coating chloramine and product thereof. 1,950,956; Mar. 13.
- Wilhelm, Warner F., assignor to Marshall Field & Company, Chicago, Ill. Variable resistant chemical and bandage embodying same. 1,950,957; Mar. 13.
- Wilhelm, Wilson A., Vernon, Tex. Feeding apparatus for extruding presses. 1,950,426; Mar. 13.
- Wilhelm, Wilson A., Vernon, Tex. Press. 1,973,786; Sept. 18.
- Wilhite, Warren F., Little Rock, Ark. Landscape plotting and charting device. 1,964,753; July 3.
- Wilhjelm, Christian, assignor, by mesne assignments, to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Valve regulating device. Re19,308; Sept. 4.
- Wilhjelm, Christian, assignor, by mesne assignments, to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Temperature control apparatus. Re19,383; Nov. 27.
- Wilhjelm, Christian, Philadelphia, Pa., assignor to G. H. Johanson, trustee. Motor-operated relay. 1,941,920; Jan. 2.
- Wilhjelm, Christian, Philadelphia, Pa., assignor to G. H. Johanson, trustee. Motor operated relay. 1,941,921; Jan. 2.
- Wilke, Edward A., et al. (See Martens, F. J., and Thompson, assignors.)
- Wilke, Edward W., Chicago, Ill. Preformed plastering unit. 1,975,242; Oct. 2.
- Wilke, Karl, and J. Stock, Frankfort-on-the-Main-Hochst, and F. Schubert, Frankfort-on-the-Main, Sindlingen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compound of the benzanthrone-pyrazolanthrone series and preparing it. 1,943,710; Jan. 16.
- Wilke, Mae V., et al. (See Martens, F. J., and Thompson, assignors.)
- Wilke, Max J., San Francisco, Calif. Chair construction. 1,985,131; Dec. 18.
- Wilke, Norman M., Lakewood, Ohio. Catch basin header and throat. 1,948,016; Feb. 20.
- Wilkening Manufacturing Company. (See Wuerfel, William, assignor.)
- Wilkinson, Emil, Stoughton, Wis. Tobacco stringing lath holder. 1,941,728; Jan. 2.
- Wilkes Avery Company. (See Wilkes, Gilbert, assignor.)
- Wilkes Avery Corporation. (See Wilkes, Gilbert, assignor.)
- Wilkes, Charles B., jr., St. Louis, Mo. Printing machine. 1,950,585; Mar. 13.
- Wilkes, Clarence H., Schenectady, N. Y. Dispensing apparatus. 1,973,241; Sept. 11.
- Wilkes, Clarence H., Gloversville, and O. Werner, Johnstown, N. Y.; said Wilkes assignor to said Werner. Making sandwich rolls. 1,975,031; Sept. 25.
- Wilkes, Clarence H., Gloversville, and O. Werner, Johnstown, N. Y.; said Wilkes assignor to said Werner. Apparatus for making sandwich rolls. 1,979,429; Nov. 6.
- Wilkes, Clarence H., Schenectady, N. Y. Bread-boring apparatus. 1,984,388; Dec. 18.
- Wilkes, Gilbert, Jacksonwald, Pa., assignor to Wilkes Avery Company, New York, N. Y. Heat pump temperature regulating unit. 1,972,811; Sept. 4.
- Wilkes, Gilbert, Jacksonwald, Pa., assignor to Wilkes Avery Corporation, New York, N. Y. Heat pump cycle and operating same. 1,975,704; Oct. 2.
- Wilkes, Gilbert, Jacksonwald, Pa., assignor to Wilkes Avery Corporation, New York, N. Y. Control circuit for heat pump temperature control regulating systems. 1,976,646; Oct. 9.
- Wilkie, Julius C., and N. R. T. McLean, assignors to Northern States Mfg. Co., Inc., Minneapolis, Minn. Toasting and cooking apparatus. 1,955,867; Apr. 24.
- Wilkie, Leighton A., Minneapolis, Minn. Apparatus for die stamping. 1,952,152; Mar. 27.
- Wilkie, Warren, assignor to Parke, Davis & Company, Detroit, Mich. Method and apparatus for drying capsules. 1,978,829; Oct. 30.
- Wilkin, Laurence W. (See Ballou, H. M., Joslin, and Wilkin.)
- Wilkins, Charles L., assignor of fifty-one per cent. to C. M. Scholl, and nine per cent. to H. F. Bush, Denver, Colo. Tumbling barrel for washing machines. 1,943,709; Jan. 16.
- Wilkins, Elsie M., Rome, N. Y. Bottle cap remover. Des. 91,853; Mar. 27.
- Wilkins, Fletcher A., Indianapolis, Ind. Stapling pliers. 1,959,888; May 22.
- Wilkins, George H. (See Smith, H. J., and Wilkins.)
- Wilkins, James A., Lynchburg, Va. Ventilated shoe. 1,962,290; June 12.
- Wilkins, Kenneth M., assignor to Superior Trolley Slide & Equipment Company, Waukegan, Ill. Trolley slide. 1,951,459; Mar. 20.
- Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Boston, Mass. Electrolytic method and apparatus. 1,960,563; May 29.
- Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Boston, Mass. Coated electrolytic product. 1,963,604; June 19.
- Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Boston, Mass. Print roll and like article. 1,965,019; July 3.

- Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Boston, Mass. Electrolytic apparatus. 1,978,356; Oct. 23.
- Wilkins, Richard A., Rome, N. Y., assignor to Industrial Development Corporation, Boston, Mass. Electrolytic method and apparatus. 1,969,054; Aug. 7.
- Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Salem, Mass. Electrolytic foil. 1,982,587; Nov. 27.
- Wilkins, Richard A., assignor to Revere Copper & Brass, Incorporated, Rome, N. Y. Stainless copper base alloy. 1,983,205; Dec. 4.
- Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Boston, Mass. Electrolytic apparatus. 1,983,755; Dec. 11.
- Wilkins, Roy, San Francisco, Calif. Electric switch. 1,965,272; July 3.
- Wilkins, Walter, Finchley, London, and E. J. Vandy, Manor Park, London, assignors of one-third to G. E. Vandy, London, England. Machine for producing or reproducing designs and other forms. 1,945,928; Feb. 6.
- Wilkinson, Eltoft W. (See Trotter, W., and Wilkinson.)
- Wilkinson, George D., Oak Park, and E. D. Pellegrin, Des Plaines, assignors to Cribben & Sexton Company, Chicago, Ill. Range. 1,980,807; Nov. 13.
- Wilkinson, Henry, Barrowshaw, Oldham, assignor of one-half to Platt Brothers and Company Limited, Oldham, England. Dealing with flat strippings of cotton and other fibers in revolving flat carding engines. 1,962,945; June 12.
- Wilkinson, Jay S., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Advertising globe. 1,963,317; June 19.
- Wilkinson, Jay S., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Advertising globe. 1,973,455; Sept. 11.
- Wilkinson, Jay S., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Advertising globe. 1,976,647; Oct. 9.
- Wilkinson, John A. (See Matheson, I. M., and Wilkinson.)
- Wilkinson, John J., Owego, N. Y., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding table. 1,963,911; June 19.
- Wilkinson, Percy D., Langley, Wash. Egg cleaning machine. 1,976,380; Oct. 9.
- Wilkinson, William C. (See Matthews, H., Warntjes, Arthurs, and Wilkinson.)
- Wilkinson, William S., Cranford, N. J. Display combination road map and route indicator. 1,966,605; July 17.
- Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Hydraulic pedal depressor. 1,942,368; Jan. 2.
- Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Brake testing apparatus. 1,958,377; May 8.
- Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Brake testing apparatus. 1,970,211; Aug. 14.
- Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Tunnel lining. 1,979,238; Oct. 30.
- Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Tunnel liner. 1,980,963; Nov. 13.
- Wilks, David M., Moncton, New Brunswick, Canada. Journal lubricator for driving boxes of a locomotive. 1,982,366; Nov. 27.
- Wilks, Joe, Boston, Mass. Machine for abrading concrete surfaces. 1,954,111; Apr. 10.
- Will & Baumer Candle Company. (See Geller, Leon W., assignor.)
- Will & Baumer Candle Co. (See Will, Howard C., assignor.)
- Will-Burt Co., The. (See McFadden, Robert W., assignor.)
- Will, Harold N., Kettle Falls, Wash. Envelope. 1,957,684; May 8.
- Will, Howard C., assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candle and making same. 1,954,659; Apr. 10.
- Will, Howard C., assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Sanctuary lamp. 1,974,375; Sept. 18.
- Will, Julius E., Independence, assignor to Leahy Manufacturing Co., Higginsville, Mo. Comb foundation wiring machine. 1,974,131; Sept. 18.
- Will, Louis. (See Baker, Frank E., assignor.)
- Will, Victor R., Sacramento, Calif. Camp attachment for automobiles. 1,966,023; July 10.
- Willans, Peter W. (See Round, H. J., and Willans.)
- Willard, Alfred R., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Take-off for grid trimming presses. 1,969,389; Aug. 7.
- Willard, Alfred R., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Grid trimming press. 1,969,390; Aug. 7.
- Willard, Charles, New York, N. Y. Automobile hood lock. 1,949,850; Mar. 6.
- Willard, Donald E., Danville, Ill., assignor to Samuel Putnam, New York, N. Y. Rolling ladder brake. 1,972,367; Sept. 4.
- Willard, George T., Chicago, Ill. Railway tie plate. 1,942,464; Jan. 9.
- Willard, George T., Chicago, Ill. Railway tie plate. 1,971,927; Aug. 28.
- Willard, George T., assignor to E. H. Bell, Chicago, Ill. Railway tie plate. 1,949,363; Feb. 27.
- Willard, Maurice E., Hellertown, Pa. Can opener. 1,958,157; May 8.
- Willard, Paul F., Wilkesburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch controlling apparatus. 1,956,605; May 1.
- Willard Storage Battery Company. (See Altmayer, F., and Codney, assignors.)
- Willard Storage Battery Company. (See Codney, A. O., and Somerville, assignors.)
- Willard Storage Battery Company. (See Codney, Arthur O., assignor.)
- Willard Storage Battery Company. (See Dunzweiler, Carl J., assignor.)
- Willard Storage Battery Company. (See Dunzweiler, C. J., and Severance, assignors.)
- Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
- Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
- Willard Storage Battery Company. (See Rose, C. C., and Altmayer, assignors.)
- Willard Storage Battery Company. (See Willard, Alfred R., assignor.)
- Willard, Waldo W., Schenectady, N. Y., assignor to General Electric Company. System of and apparatus for gunfire control. 1,942,079; Jan. 2.
- Willard, William D., Somerdale, N. J. Refacing tool for flush valve seats. 1,953,284; Apr. 3.
- Willcox, Dudley, Lawrenceville, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Furnace structure. 1,963,481; June 19.
- Willcox, George B., Saginaw, Mich. Tire deflation indicator. 1,974,906; Sept. 25.
- Willcox, Jay C., Minneapolis, Minn. Boiler. 1,953,667; Apr. 3.
- Wille, Fredrik. (See Brassert, H. A., Wille, and Zimmermann.)
- Wille, Fredrik, A. J. Hulse, and W. M. Kirk, assignors to H. A. Brassert & Company, Chicago, Ill. Automatic self-cleaning strainer. 1,950,466; Mar. 13.
- Wille, Walter O. (See Clay, J. B., and Wille.)
- Willem, John M., Evanston, assignor to Stack-Goble Advertising Agency, Chicago, Ill. Butter. 1,952,698; Mar. 27.
- Willemse, Carolus A., et al. (See Deakin, G., Schreiber, Van Mierlo, de Fremery, Pulles, and Willemse.)
- Willenborg, Walter J., Weehawken, assignor to U. S. Fire Protection Corporation, Hoboken, N. J. Control for producers of inert gases. 1,952,005; Mar. 20.
- Willet, Moses, assignor to Federal Tin Company, Inc., Baltimore, Md. Method of and machine for combining box parts. 1,980,871; Nov. 13.
- Willer, Nicholas L. (See Pine, W. J., and Willer.)
- Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Terminal coupling for well strainers. 1,950,202; Mar. 6.
- Willet, Benedict E., Dayton, Ohio, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding table. 1,950,958; Mar. 13.
- Willetts Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass resistant refractory and batch composition for producing such a refractory. 1,944,856; Jan. 23.
- Willetts, Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Shallow melting tank. 1,953,034; Mar. 27.
- Willey, Marney B., Dallas, Tex. Dry closet. 1,945,841; Feb. 6.
- Willey, William H., Kansas City, Mo. Sanitary garbage container. 1,963,006; July 24.
- Willey, William H., assignor of one-half to W. R. Willey, Kansas City, Mo. Apparatus for garbage disposal. 1,968,007; July 24.
- Willey, William R. (See Willey, William H., assignor.)
- Willing, Louis F., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Obtaining automatic volume control in radio sets. 1,971,741; Aug. 28.
- Willgoos, Andrew V. D., West Hartford, assignor to The Pratt & Whitney Aircraft Company, Hartford, Conn. Valve cooling means. 1,950,467; Mar. 13.
- Willgoos, Andrew V. D., West Hartford, assignor to The Pratt & Whitney Aircraft Company, East Hartford, Conn. Supercharger drive for internal-combustion engines. 1,951,045; Mar. 13.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,301; Jan. 2.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,302; Jan. 2.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,303; Jan. 2.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,304; Jan. 2.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,305; Jan. 2.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,306; Jan. 2.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,307; Jan. 2.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,337; Jan. 9.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,338; Jan. 9.

- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,339; Jan. 9.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,340; Jan. 9.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,341; Jan. 9.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,378; Jan. 16.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,415; Jan. 23.
- Willheim, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 91,475; Feb. 6.
- Willhelm, William, assignor to J. Oltarsh, New York, N. Y. Textile fabric or similar article. Des. 92,123; Apr. 24.
- Williams, Albert J., jr., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method of and apparatus for measuring frequency. 1,957,925; May 8.
- Williams, Albert L., King's Cross, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Photo-electric cell. 1,959,073; May 15.
- Williams, Alberto, Buenos Aires, Argentina, assignor to Swift and Company, Chicago, Ill. Protective paint or lacquer for food containers. 1,945,584; Feb. 6.
- Williams, Alfred D., Montclair, N. J. Paper. Des. 91,476; Feb. 6.
- Williams, Alfred O. (See Burrows, R. J., and Williams.)
- Williams, Alonzo J., McLoud, Okla. Syringe for use by veterinarians. 1,960,831; Aug. 14.
- Williams and Anderson Company, The. (See Koran, William D., assignor.)
- Williams, Arthur, Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Superheater. 1,942,676; Jan. 9.
- Williams, Arthur A., Holliston, Mass. Boot and shoe. 1,970,157; Aug. 14.
- Williams, Benjamin F., assignor to Wil-Bro Corporation, San Francisco, Calif. Hose coupling and using the same. 1,966,368; July 10.
- Williams, Benjamin F., assignor to Wil-Bro Corporation, San Francisco, Calif. Hose coupling. 1,977,219; Oct. 16.
- Williams, Benjamin M., assignor to Robert Gaylord, Incorporated, St. Louis, Mo. Shipping case. 1,963,603; June 19.
- Williams, Bernard, Boulder City, Nev. Apparatus for handling and loading cars. 1,954,161; Apr. 10.
- Williams, Blanche H., Barcroft, Va. Chuck. 1,977,363; Oct. 16.
- Williams Brothers, Ltd. (See Lyle, George B., assignor.)
- Williams, C. K., & Company. (See Ayers, Joseph W., assignor.)
- Williams, Carl E., West Middlesex, Pa. Planting machine. 1,975,491; Oct. 2.
- Williams, Carl S., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Accelerator for the vulcanization of rubber. 1,943,570; Jan. 16.
- Williams, Charles C., et al. (See Walde, Albert H., assignor.)
- Williams, Charles F., Belmont, assignor to Sherman Paper Products Corporation, Newton, Mass. Ornamental box. 1,965,951; July 10.
- Williams, Charles F., Belmont, and C. Q. Ives, Reading, assignors to Sherman Paper Products Corporation, Newton, Mass. Packing container. 1,967,642; July 24.
- Williams, Chauncey L., Pelham, assignor to F. W. Dodge Corporation, New York, N. Y. Sample case. 1,978,925; Oct. 30.
- Williams, Chauncey L., Pelham, assignor to F. W. Dodge Corporation, New York, N. Y. Sample binder. 1,978,926; Oct. 30.
- Williams, Chester E., Worcester, and E. M. Chase, Springfield, assignors to Johnson & Bassett, Inc., Worcester, Mass. Bagging machine. 1,955,108; Apr. 17.
- Williams, Clyde E., and J. D. Sullivan, assignors to Battelle Memorial Institute, Columbus, Ohio. Basic refractory and making the same. 1,954,552; Apr. 10.
- Williams, Clyde E., and J. D. Sullivan, assignors to Battelle Memorial Institute, Columbus, Ohio. Cellular clay insulation for metallurgical apparatus. 1,982,490; Nov. 27.
- Williams, David S., Portland, Oreg. Primer valve. 1,967,643; July 24.
- Williams, David S., Portland, Oreg. Primer valve. 1,967,644; July 24.
- Williams, David S., Portland, Oreg. Primer valve. 1,967,645; July 24.
- Williams, David T., Larchmont, N. Y. Locomotive stoker. 1,948,812; Feb. 27.
- Williams, Diana P., Boston, Mass. Inclined pillow rest for beds and couches. 1,953,578; Apr. 3.
- Williams, Djalma D., Dallas, Tex., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Mokum. 1,942,463; Jan. 9.
- Williams, Djalma D., Dallas, Tex., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Fitting-up yoke. 1,946,515; Feb. 13.
- Williams, Duncan B., Glen Ridge, N. J., assignor to Carbide and Carbon Chemicals Corporation. Cooling system. 1,985,198; Dec. 18.
- Williams, Earle R. (See Teohy, E. A., and Williams.)
- Williams, Edmond B., St. Louis, Mo. Tear-off ticket holder. 1,961,271; June 5.
- Williams, Edward, Pelham, and F. Moore, assignors to Wilson-Maeulen Company, Inc., New York, N. Y. Potentiometer recorder for automatically recording temperature changes. 1,977,708; Oct. 23.
- Williams, Edward B., New York, N. Y. Combined cigarette lighter and cigarette package holder. 1,970,158; Aug. 14.
- Williams, Edward R. (See Warren, G. A., and Simpson, assignors.)
- Williams, Edward T., Pelham Manor, N. Y. Refrigeration apparatus. 1,947,574; Feb. 20.
- Williams, Edward T., Pelham Manor, N. Y. Refrigeration. 1,971,245; Aug. 21.
- Williams, Eli H., Cookeville, Tenn. Grave filler. 1,979,182; Oct. 30.
- Williams, Ernest. (See Merle, André, assignor.)
- Williams, Ernest T. (See Salmon, H., and Williams.)
- Williams, Ernest T., and H. Salmon, assignors to The Expanded Metal Company Limited, London, England. Separator for accumulators. 1,972,433; Sept. 4.
- Williams, Estelle P. (See Williams, Villor P., assignor.)
- Williams, Francis C. (See Staples, Earle I., assignor.)
- Williams, Frank D., Los Angeles, Calif. Production of silhouettes for composite motion pictures. 1,955,993; Apr. 24.
- Williams, Frederick J., and H. E. Martin, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of yarn. 1,945,959; Feb. 6.
- Williams, French B., Fort Worth, Tex. Concrete tile and block machine. 1,977,257; Oct. 16.
- Williams, George A., Los Angeles, Calif. Combined hand signal and trouble lamp. 1,967,697; July 24.
- Williams, George E., assignor to Transue & Williams Steel Forging Corporation, Alliance, Ohio. Separable link. 1,980,126; Nov. 6.
- Williams, George M., and J. J. Berghoff, Detroit, Mich. Match package. 1,975,526; Oct. 2.
- Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Twisting and looping tool for wire. 1,951,891; Mar. 20.
- Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Method and machine for forming and tying loops in ends of wires secured to wire-bound boxes and the like. 1,951,892; Mar. 20.
- Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Nonrotative reel. 1,966,532; July 17.
- Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Nail machine and the like and control apparatus associated therewith. 1,972,612; Sept. 4.
- Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Machine for welding metallic articles. 1,978,776; Oct. 30.
- Williams, George T. (See Miller, T. A., and Williams.)
- Williams, George W., Burlingame, Calif. Building construction. 1,958,933; May 15.
- Williams, Harold E., Carthage, Mo. Glare shield mechanism. 1,958,934; May 15.
- Williams, Harold S., Oak Park, Ill. Window screen. 1,977,165; Oct. 16.
- Williams, Harold S., Oak Park, Ill., assignor to Rostone, Incorporated, La Fayette, Ind. Attaching tile or blocks to walls. 1,982,560; Nov. 27.
- Williams, Harrison G., Los Angeles, Calif. License plate lock bar. 1,948,554; Feb. 27.
- Williams, Harrison L., Oakland, Calif. Vacuum washing device. 1,972,413; Sept. 4.
- Williams, Harrison R., New York, N. Y. Paper web drying means. 1,961,182; June 5.
- Williams, Harrison R., New York, N. Y. Felting machine. 1,961,272; June 5.
- Williams, Harrison R., New York, N. Y. Method and apparatus for making catamenial bandages. 1,973,737; Sept. 18.
- Williams, Harrison R., Chicago, Ill. Wrapping machine. 1,961,273; June 5.
- Williams, Harry, Birmingham, Mich., assignor to American Cable Company, Inc. Disk brake. 1,978,974; Oct. 30.
- Williams, Harry, Detroit, and G. C. Burd, Adrian, Mich., assignors to American Cable Company, Inc. Brake operating mechanism. 1,970,680; Aug. 21.
- Williams, Harry J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register cabinet. Des. 91,379; Jan. 16.
- Williams, Harry J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register cabinet. Des. 91,745; Mar. 13.
- Williams, Henry M., assignor to W. J. Bellingham, Wellington, New Zealand. Production of starch and glutinous materials. 1,964,754; July 3.
- Williams, Herbert H. (See Murray, T. E., jr., and Williams.)
- Williams, Herbert K., Newark, N. J., assignor to The Safety Car Heating & Lighting Company. System of electric distribution. 1,964,374; June 26.
- Williams, Herbert N., Fitchburg, Mass. Wardrobe trunk. 1,964,615; June 26.
- Williams, Herbert N., Fitchburg, Mass. Wardrobe trunk. 1,964,706; June 26.
- Williams, Herbert N., Fitchburg, Mass. Wardrobe trunk. 1,964,707; June 26.
- Williams, Howard C., Kentwood, La. Automatic road signal. 1,979,922; Nov. 6.

- Williams, Hubert L., assignor to General Motors Corporation, Detroit, Mich. Loading equipment. 1,983,113; Dec. 4.
- Williams, Hubert L., assignor to General Motors Corporation, Detroit, Mich. Loading equipment. 1,983,114; Dec. 4.
- Williams, Ira. (See Tisdale, W. H., and Williams.)
- Williams, Ira, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerized halogenated hydrocarbons and process of producing same. 1,950,436; Mar. 13.
- Williams, Ira, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Impregnating porous objects. 1,967,275; July 24.
- Williams, Ira, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing 1-mercapto-aryl-thiazoles. 1,972,963; Sept. 11.
- Williams, Ira, Woodstown, N. J., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polymers. 1,950,442; Mar. 13.
- Williams, Ira, Woodstown, N. J., and A. M. Neal, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Salts of pyrocatechol borate and preparing the same. 1,975,890; Oct. 9.
- Williams, Ira, Woodstown, and W. A. Douglass, Penns-grove, N. J., and A. M. Neal, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 1,978,444; Oct. 30.
- Williams, J. H., & Co. (See Kress, Willard C., assignor.)
- Williams, James B., Minden, La. Automatic control for gas burners. 1,982,561; Nov. 27.
- Williams, James B., Minden, La. Remote control and safety appliance for gas burners. 1,982,562; Nov. 27.
- Williams, James H., assignor to General Fire Extinguisher Company, Providence, R. I. Making tube bends. 1,956,604; May 1.
- Williams, Jaye P., Colton, Calif. Household air cooler. 1,949,522; Mar. 6.
- Williams, Jewell R., assignor to Supreme Instruments Corporation, Greenwood, Miss. Testing device for electrical apparatus. 1,954,305; Apr. 10.
- Williams, John A. (See O'Bryan, Francis L., assignor.)
- Williams, John H., Providence, R. I. Tenter clip. 1,984,616; Dec. 18.
- Williams, John J., and J. Bauman, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Automatic liner feeding mechanism. 1,967,646; July 24.
- Williams, John J., and T. Hunker, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Screw cap for bottles and jars. 1,974,438; Sept. 25.
- Williams, John N., London, England. Gas producer. 1,964,614; June 26.
- Williams, Joseph. (See Emmons, W. O., and Williams.)
- Williams, Joseph, and J. R. Troughear, assignors to Maximum Pumps and Engines Limited, Auckland, New Zealand. Rotary engine and pump. 1,969,192; Aug. 7.
- Williams, Joseph S. (See Weiger, J. A., and Williams.)
- Williams, Joseph S., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Electric condenser. 1,981,533; Nov. 20.
- Williams, Leo L., Cleveland Heights, Ohio. Molding. 1,958,527; May 15.
- Williams, Leslie E. (See Brooker, H. T., and Williams.)
- Williams, Lewis S., Oronoko Township, Berrien County, assignor to Emmanuel Missionary College, Berrien Springs, Mich. Folding chair. 1,957,417; May 1.
- Williams, Lewis S., Oronoko Township, Berrien County, assignor to Emanuel Missionary College, Berrien Springs, Mich. Ironing table. 1,957,685; May 8.
- Williams, Lillian G., Jacksonville, Fla. Telephone receiver and transmitter assembly. 1,979,183; Oct. 30.
- Williams, Louis R., Los Angeles, Calif. Apparatus for grooving surfaces. 1,961,540; June 5.
- Williams, Loyd, Peach Creek, W. Va., assignor of one-third to A. A. Crawford and one-third to C. Crawford. Safety switch for shot firing cables. 1,954,907; Apr. 17.
- Williams, Lynn A., et al. (See Bracke, Robert F., assignor.)
- Williams, Lynn A., et al. (See Stokes, Charles L., assignor.)
- Williams, Mabel S., executrix. (See Murray, T. E., jr., and Williams.)
- Williams Oil-O-Matic Heating Corporation. (See Lawton, Harvey B., assignor.)
- Williams Oil-O-Matic Heating Corporation. (See Price, Orlo H., assignor.)
- Williams Oil-O-Matic Heating Corporation. (See Williams, W. W., and Zellhoefer, assignors.)
- Williams Oil-O-Matic Heating Corporation. (See Zellhoefer, Glenn F., assignor.)
- Williams, Owen E., Cleveland, Ohio. Duplicating method and apparatus. 1,981,794; Nov. 20.
- Williams, Paul. (See Brazel, F. W., Redner, Skinner, and Williams.)
- Williams, Paul H. (See Smiley, William E., assignor.)
- Williams, Ralph, Sydney, New South Wales, Australia. Apparatus for centrifugally molding concrete pipes and other tubular bodies. 1,971,088; Aug. 21.
- Williams, Reginald V., Buffalo, N. Y. Soldering jig. 1,941,772; Jan. 2.
- Williams, Richard C., Council Bluffs, Iowa. Bolt lock. 1,956,846; May 1.
- Williams, Richard M., Rutherford, assignor to Richard H. Ranger, Newark, N. J. Glow lamp. 1,975,243; Oct. 2.
- Williams, Robert C., assignor, by mesne assignments, to The Ironsides Company, Columbus, Ohio. Metal-forming lubricants. 1,948,194; Feb. 20.
- Williams, Robert C., and H. W. Russell, assignors to The Ironsides Company, Columbus, Ohio. Removing metallic soap from lubricating emulsions. 1,955,522; Apr. 17.
- Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. Sound apparatus. 1,960,257; May 29.
- Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. Air oscillator. 1,960,258; May 29.
- Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. Sound apparatus. 1,977,663; Oct. 23.
- Williams, Roy E., assignor to The Highway Trailer Company, Edgerton, Wis. Dolly construction. 1,977,930; Oct. 23.
- Williams, Russell E. (See Berg, John J., assignor.)
- Williams, Russell J., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Heat resisting seat for dampers. 1,962,336; June 12.
- Williams, Samuel B., Brooklyn, and F. J. Scudder, Queens Village, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,960,037; May 22.
- Williams Sealing Corporation. (See Hey, Joseph A., assignor.)
- Williams Sealing Corporation. (See Le Pere, John G., assignor.)
- Williams, Selden T., Bellerose, N. Y. Airplane construction. 1,961,996; June 5.
- Williams, Selden T., Bellerose, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Blow gun. 1,957,567; May 8.
- Williams, Selden T., Bellerose, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Rubber headed valve stem. 1,975,415; Oct. 2.
- Williams, Selden T., Woodbury, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound amplifier. 1,943,499; Jan. 16.
- Williams, Selden T., Forest Hills, and J. Wahl, Rosedale, assignors to A. Schrader's Son, Inc., Brooklyn, N. Y. Valve stem. 1,951,460; Mar. 20.
- Williams, Selden T., Woodbury, and A. Weiland, Neshanic, N. J., assignors, by mesne assignments, to Radio Corporation of America. Talking machine or phonograph mechanism. 1,954,162; Apr. 10.
- Williams, Sidney D., assignor to The Timken Roller Bearing Company, Canton, Ohio. Manganese-molybdenum-vanadium steel and articles made therefrom. 1,979,594; Nov. 6.
- Williams, Stephen L., Bridgeport, Ohio. Liquid carbonator. 1,984,617; Dec. 18.
- Williams, Susan F., New York, N. Y. Combined advertising figure and support therefor. Des. 93,431; Sept. 25.
- Williams, Theodore. (See Casler, H., and Williams.)
- Williams, Theodore, Syracuse, and H. Casler, Canastota, N. Y. Exercising machine. 1,979,783; Nov. 6.
- Williams, Thomas D., Garfield Heights, Ohio. Shear device. 1,984,717; Dec. 18.
- Williams, Thomas D., Garfield Heights, and H. C. Ralston, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Manufacture of bright finish tinned material. 1,974,480; Sept. 25.
- Williams, Thomas H., assignor to National Rubber Machinery Company, Akron, Ohio. Collapsible drum. 1,946,449; Feb. 6.
- Williams, Thomas H., Cuyahoga Falls, assignor to National Rubber Machinery Company, Akron, Ohio. Extruding machine. 1,964,681; June 26.
- Williams, Thomas H., Akron, Ohio, and C. S. Moomy, Carlisle, Pa., assignors to National Rubber Machinery Company, Akron, Ohio. Apparatus for making inflatable articles. 1,943,996; Jan. 16.
- Williams, Todd P., and J. A. Baxter, Mont Belvieu, assignors to Howard Smith Company, Houston, Tex. Measuring apparatus. 1,982,184; Nov. 27.
- Williams, V. U. (See Stampfli, L. T., and Chiritescu, assignors.)
- Williams, Villor P., assignor, by mesne assignments, to E. P. Williams, Baltimore, Md. Packing device for universal joints. 1,949,947; Mar. 6.
- Williams, Villor P., assignor to E. P. Williams, Baltimore, Md. Bumper. 1,957,515; May 8.
- Williams, Villor P., assignor to E. P. Williams, Baltimore, Md. Bumper. 1,982,775; Dec. 4.
- Williams, Wallace E., Cleveland, Ohio. Filling tube. 1,976,975; Oct. 16.
- Williams, Walter W., Bloomington, Ill. Warm air furnace heating element. Des. 92,441; June 5.
- Williams, Walter W., Bloomington, Ill. Unit cooler. 1,950,344; Mar. 6.
- Williams, Walter W., Bloomington, Ill. Water-cooling tower. 1,950,345; Mar. 6.
- Williams, Walter W., Bloomington, Ill. Air washer and humidifier. 1,950,347; Mar. 6.
- Williams, Walter W., Bloomington, Ill. Electric switch mechanism. 1,957,516; May 8.
- Williams, Walter W., Bloomington, Ill. Electric switch mechanism. 1,957,517; May 8.

- Williams, Walter W., Bloomington, Ill. Combined fluid fuel burning heater and incinerator. 1,968,581; July 31.
- Williams, Walter W., Bloomington, Ill. Manual control mechanism. 1,976,317; Oct. 9.
- Williams, Walter W., Bloomington, Ill. Electrically operated and controlled fluid fuel-burning mechanism. 1,984,670; Dec. 18.
- Williams, Walter W., and G. F. Zellhoefer; said Zellhoefer assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Cooling unit. 1,950,346; Mar. 6.
- Williams, William D., and F. Czemba, Duluth, Minn. Fence post. 1,967,460; July 24.
- Williams, William E., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport Conn. Apparatus for reproducing sound from records. 1,944,202; Jan. 23.
- Williams, William E., Palo Alto, Calif., assignor to Signode Steel Strapping Company, Chicago, Ill. Package wire tying machine. 1,970,441; Aug. 14.
- Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of polyphenyls. 1,976,468; Oct. 9.
- Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Producing diphenyl. 1,978,069; Oct. 23.
- Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for producing diphenyl. 1,981,015; Nov. 20.
- Williams, William H., Highland Park, assignor of one-half to M. Hotchkiss, Detroit, Mich. Bowling-alley pin and making same. 1,983,722; Dec. 11.
- Williams, William J., assignor to Motor Devices, Inc., Chicago, Ill. Switch for automotive lighting systems. 1,969,867; Aug. 14.
- Williams, William M. (See Woodhead, H. G., and Williams.)
- Williams, William S., Coleman, assignor of one-tenth to C. Denegre, Birmingham, Ala. Conveyor for use in mines or otherwise. 1,976,676; Oct. 9.
- Williams, Willis W., Glendale, assignor of two-thirds to J. B. Elliott and one-third to R. Young, Los Angeles, Calif. Well casing protector. 1,965,730; July 10.
- Williams, Willis W., assignor of one-third to J. B. Elliott and one-third to R. Young, Los Angeles, Calif. Well casing protector. 1,965,998; July 10.
- Williams, Zabbidi, Fruitvale, Tenn. Combined scraper and cultivator. 1,982,038; Nov. 27.
- Williamson, Arba G., Carnegie, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Track circuit system. 1,949,194; Feb. 27.
- Williamson, Clarence H., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Transportation container. 1,958,775; May 15.
- Williamson, Estelle, Coral Gables, Fla. Ice bag. 1,964,655; June 26.
- Williamson, Frederick B., jr., Elizabeth, assignor to The Whitehead Bros. Rubber Co., Trenton, N. J. Hose. 1,948,410; Feb. 20.
- Williamson, George M. (See Haywood, G. W., and Williamson.)
- Williamson Heater Company, The. (See Seitz, C. A., and Bostain, assignors.)
- Williamson, Henry C., Marlin, Tex. Vending machine. 1,946,183; Feb. 6.
- Williamson, James H., Little Falls, N. J. Propeller. 1,943,571; Jan. 16.
- Williamson, Marshall I., Edgewater, N. J. Book jacket. 1,957,926; May 8.
- Williamson, Ralph E., et al. (See Knapton, Walter L., assignor.)
- Williamson, Roy C., Fort Worth, Tex. Well flowing and pumping mechanism. 1,959,559; May 22.
- Williamson, William P. (See Stone, M. B., and Williamson.)
- Williamson, William P., Ludlow, Mass., assignor to Ludlow Manufacturing Associates, trustees. Spinning frame. 1,973,552; Sept. 11.
- Williamsport Wire Rope Company. (See Sherman, Delmar C., assignor.)
- Williamsport Wire Rope Company. (See Tennant, Samuel L., assignor.)
- Williford, Oscar H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,963,769; June 19.
- Williford, William T., et al. (See Hitchcock, Raymond A.)
- Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,969,055; Aug. 7.
- Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Time element circuit for traffic controlling systems. 1,983,506; Dec. 4.
- Willink, Arthur, Philadelphia, Pa. Control system for the transmission of angular motion. 1,950,427; Mar. 13.
- Willis, Charles C. (See Dickhaut, C. A., and Willis.)
- Willis, Charles C., Bound Brook, assignor to John Waldron Corporation, New Brunswick, N. J. Apparatus for drying coating paper. 1,951,004; Mar. 13.
- Willis, Charles C., Bound Brook, assignor to John Waldron Corporation, New Brunswick, N. J. Coating breaking machine. 1,953,142; Apr. 3.
- Willis, Charles C., Bound Brook, assignor to John Waldron Corporation, New Brunswick, N. J. Producing crepe paper. 1,956,750; May 1.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. System of electrical distribution. 1,947,238; Feb. 13.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric valve converting apparatus. 1,959,188; May 15.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric valve converting apparatus. 1,961,026; May 29.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric valve converting system. 1,961,027; May 29.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Starting synchronous machines. 1,966,940; July 17.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Electric power translating system. 1,971,840; Aug. 28.
- Willis, Elijah J., Morehead City, assignor of one-half to D. E. Oglesby, Farmville, N. C. Folding crutch. 1,945,460; Jan. 30.
- Willis, Harper, et al. (See Oldham, Bert E., assignor.)
- Willis, Henry, London, England. Organ pipe. 1,969,591; Aug. 7.
- Willis, Henry F., jr., Carbondale, Ill. Electric meter. 1,958,651; May 15.
- Willis, Homer B., Oakland, Calif. Decoration. 1,966,533; July 17.
- Willis, Lee E., assignor of one-fourth to Q. C. McKitham, Fort Worth, Tex. Grappling tool. 1,983,425; Dec. 4.
- Willis, Le Roy W. (See Freund, H. R., and Willis.)
- Willis, Luther P. (See Colglazier, E. G. Ball, and Willis.)
- Willis, Robert S. (See Mattair, H. M., and Willis.)
- Williston, Belvin T., Somerville, Mass., assignor to Consolidated Ascroft Hancock Company, New York, N. Y. Universal joint. 1,947,595; Feb. 20.
- Williston, Samuel H., and C. R. Nichols, Dallas, Tex., assignors, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying device. 1,960,038; May 22.
- Willman, Philip E., Chicago, Ill. Kettle or similar article. Des. 91,380; Jan. 16.
- Willman, Philip E., Chicago, Ill. Pan or similar article. Des. 91,576; Feb. 20.
- Willman, Philip E., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Pressure cooker or similar article. Des. 93,592; Oct. 9.
- Willmann, Joseph, Derby, Conn. Milk treatment. 1,966,228; July 10.
- Willmore, Charles B. (See Derr, R. B., and Willmore.)
- Willmore, Knight N., and A. P. Carroll, Fairfax, and C. O. Stucker, Ponca City, Okla. Thermostatic carburetor choke device. 1,943,935; Jan. 16.
- Willmore, Knight N., A. P. Carroll, and C. O. Stucker, Fairfax, Okla. Electrically controlled mechanism for a thermostatic choking device. 1,962,850; June 12.
- Willner, Carl H., Turtle Creek, Pa. Exercising apparatus. 1,973,593; Sept. 11.
- Willcock, John P., and J. A. McEwen, Pittsburgh, Pa. Roofing construction. 1,978,519; Oct. 30.
- Willoughby, John A., Washington, D. C. Radio navigating system. 1,942,526; Jan. 9.
- Willoughby, John A., Cambridge, Mass. Electrical insulator. 1,957,481; May 8.
- Willoughby, John A., Cambridge, Mass. Radio receiving system. 1,959,281; May 15.
- Willoughby, John A., Cambridge, Mass. Radio direction finding system. 1,961,319; June 5.
- Willoughby, Walter J. (See Andrews, N. H., and Willoughby.)
- Willoughby, Wayne W., Gifford, Pa. Pump. 1,956,112; Apr. 24.
- Willrodt, Fred L., and O. T. Nichol, assignors to The Willrodt Tractor Guide Company, Omaha, Nebr. Tractor guide. 1,950,910; Mar. 13.
- Willrodt Tractor Guide Company, The, et al. (See Willrodt, F. L., and Nichol, assignors.)
- Wills, Child H., Marysville, assignor, by mesne assignments, to M. C. Wills, Grosse Pointe Farms, Mich. Rotary valve. 1,971,060; Aug. 21.
- Wills, Child H., Marysville, and J. B. Beebe, Port Huron, assignors, by mesne assignments, to M. C. Wills, Grosse Pointe Farms, Mich. Rotary valve. 1,970,928; Aug. 21.
- Wills, Herbert J., assignor to The Carborundum Company, Niagara Falls, N. Y. Cam shaft lapping machine. 1,957,568; May 8.
- Wills, Herbert J., assignor to The Carborundum Company, Niagara Falls, N. Y. Apparatus for lapping or grinding. 1,957,569; May 8.
- Wills, Irving, Santa Barbara, Calif. Eyelash applicator. 1,960,687; May 29.
- Wills, Marion C., Kansas City, Mo., and A. R. Henry, Salina, Kans. Earth working machine. 1,971,698; Aug. 28.
- Wills, Mary C. (See Wills, Child H., assignor.)
- Wills, Mary C. (See Wills, C. H., and Beebe, assignors.)
- Willshaw, Harry, Wythe Green, and H. Smith, and F. A. Davenport, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for dividing material composed of, or containing rubber, or the like. 1,962,630; June 12.
- Willshaw, Harry, Sutton Coldfield, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Joining rubber articles. 1,980,564; Nov. 13.

- Willis, Henry E., New York, N. Y., assignor to The Union Trust Company, Cleveland, Ohio. Refrigerating apparatus. 1,978,520; Oct. 30.
- Wilson, David S., assignor to Service Station Equipment Company, Conshohocken, Pa. Gas separator. 1,957,418; May 1.
- Willson, David S., assignor to Service Station Equipment Company, Conshohocken, Pa. Pressure control valve. 1,964,616; June 26.
- Willson, Frederick, near Reading, and H. F. Shindel, assignors to Willson Products, Inc., Reading, Pa. Aviation goggles. 1,949,595; Mar. 6.
- Willson Products Inc. (See Fraser, Charles E., assignor.)
- Willson Products, Inc. (See Shindel, Harry F., assignor.)
- Willson Products, Inc. (See Willson, F., and Shindel, assignors.)
- Willson Products, Inc. (See Willson, Thomas A., assignor.)
- Willson, Thomas A., Bern Township, Berks County, assignor to Willson Products, Inc., Reading, Pa. Display support for goggles and the like. Des. 93,079; Aug. 14.
- Willys-Overland Company, The. (See Baker, Arthur J., assignor.)
- Willys-Overland Company, The. (See Ecker, Gustave J., assignor.)
- Willys-Overland Company, The. (See Fisher, Walter S., assignor.)
- Willys-Overland Company, The. (See Grimm, George E., assignor.)
- Willys-Overland Co., The. (See Huntington, Edward E., assignor.)
- Willys Overland Co., The. (See Mares, Joseph R., assignor.)
- Wilmart, Pierre, Brussels, Belgium, Stabilizer for motor vehicles. 1,952,958; Mar. 27.
- Wilmington Trust Company, et al., executors. (See Perkins, M. A., and Bishop.)
- Wilmington Trust Company, executor, et al. (See Tripp, Charles A.)
- Wilmotte, Raymond M., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube circuits. 1,971,089; Aug. 21.
- Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Over-load relay. Re19,062; Jan. 23.
- Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Compressible electrical resistor. 1,946,774; Feb. 13.
- Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Electrical resistor. 1,962,673; June 12.
- Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Circuit breaker. 1,966,085; July 10.
- Wilms, Gustav O., assignor, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Circuit breaker. 1,978,731; Oct. 30.
- Wilms, Gustav O., and P. Trombetta, assignors, by mesne assignments, to Allen-Bradley Company, Milwaukee, Wis. Circuit breaker. 1,944,832; Jan. 23.
- Wilms Gustav O., and A. J. Dawe, assignors to Allen-Bradley Company, Milwaukee, Wis. Electric switch. 1,981,534; Nov. 20.
- Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)
- Willson, John J., assignor to The Shelby Gum Company, Shelby, Ohio. Container for confections. Des. 94,062; Dec. 11.
- Wilshire, Van Hamm, assignor to The Specialty Papers Company, Dayton, Ohio. Coating paper. 1,963,058; June 12.
- Wilsing, Paul, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Magnetic clutch. 1,963,638; June 19.
- Wilson, Albert C. (See Perkins, L. A. and Wilson.)
- Wilson, Alexander, and S. G. Brick, East Liverpool, Ohio. Pocket envelope and making same. 1,980,241; Nov. 13.
- Wilson, Alexander L., Plainfield, N. J., assignor to Carbide and Carbon Chemicals Corporation. Reduction of thiosulphate salts. 1,956,113; Apr. 24.
- Wilson, Allen B. (See MacChesney, C. M., and Wilson.)
- Wilson, Allen B., Evanston, assignor, by mesne assignments, to Morris Paper Mills, Morris, Ill. Rim for containers. 1,952,401; Mar. 27.
- Wilson, Allen B., Evanston, assignor, by mesne assignments, to Morris Paper Mills, Morris, Ill. Ice cream container. 1,953,143; Apr. 3.
- Wilson, Allen B., assignor to Acme Steel Company, Chicago, Ill. Reinforced pavement. 1,981,489; Nov. 20.
- Wilson, Anna P. (See Wilson, Louis P., assignor.)
- Wilson, Arden M. (See Knight, C., and Wilson.)
- Wilson, Axel E., Bellingham, Wash. Automobile gasoline tank lock. 1,949,523; Mar. 6.
- Wilson & Bennett Manufacturing Company. (See Bennett, Stevens A., assignor.)
- Wilson & Bennett Manufacturing Company. (See Karsel, William.)
- Wilson & Bennett Mfg. Company. (See Townsend, John S., assignor.)
- Wilson, Bert, New Orleans, La. Window frame construction. 1,965,165; July 3.
- Wilson, Charles C., Dayton, Ohio. Air conditioning furnace. 1,984,907; Dec. 18.
- Wilson, Charles H., Pelham, N. Y., and C. J. Brown, assignors to The Foxboro Company, Foxboro, Mass. Method and apparatus for utilizing light-controlled means for controlling recorders. 1,982,185; Nov. 27.
- Wilson, Charles O., Muskegon, Mich. Die structure. 1,962,543; June 12.
- Wilson, Charles O., Muskegon, Mich. Combined pipe-coupling and valve device. 1,966,745; July 17.
- Wilson, Charles O., Muskegon, Mich. Irrigating and sprinkling system. 1,976,053; Oct. 9.
- Wilson, Charles O., Muskegon, Mich. Humidifying device. 1,976,054; Oct. 9.
- Wilson, Charles R., Ardmore, Okla. Oil burner. 1,973,456; Sept. 11.
- Wilson, Chauncey G. (See Black, William C., assignor.)
- Wilson, Clarence P. (See Jameson, E., and Wilson.)
- Wilson, Clarence W., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Drying organic materials. 1,975,998; Oct. 9.
- Wilson, Earl D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phototube. 1,985,006; Dec. 18.
- Wilson & Co. (See Gorando, Stanley, assignor.)
- Wilson & Co. Inc. (See McKenzie, Allen, assignor.)
- Wilson, David D. (See Culhane, E. A., and Wilson.)
- Wilson, David S., assignor to Service Station Equipment Company, Conshohocken, Pa. By-pass valve. 1,965,526; July 3.
- Wilson, Don C., Longview, N. J. Safety lamp guard. 1,958,222; May 8.
- Wilson, Earl D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phototube. 1,963,185; June 19.
- Wilson, Edgar H., Pittsburgh, Pa., assignor, by mesne assignments, to McClintic-Marshall Corporation. Work-clamping mechanism for angle milling machines. 1,960,884; May 29.
- Wilson, Edwin P., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for forming vehicle wire wheel spokes. 1,984,102; Dec. 11.
- Wilson, Edwin W., assignor to L. L. Valentine, Chicago, Ill. Fare registering and change making machine. 1,985,305; Dec. 25.
- Wilson, Egbert A., Hayfield, Minn. Door bolt and lock. 1,978,615; Oct. 30.
- Wilson, Ellis L., San Anselmo, Calif. Doorlatch. 1,949,770; Mar. 6.
- Wilson Engineering Corporation. (See McCoy, Verl E., assignor.)
- Wilson, Ernest M., assignor of thirty per cent to E. H. Carlton and thirty per cent to A. A. Carlton, Fort Worth, Tex. Cotton picking machine. 1,949,032; Feb. 27.
- Wilson, Esca D., Frankfort, Ky. Knockdown form clamp. 1,962,046; June 5.
- Wilson, Ezekiel J., East Greenbush, N. Y., assignor to Franklin Machine Company, Providence, R. I. Let-off for looms. 1,976,205; Oct. 9.
- Wilson, Francis C., North Kansas City, Mo. Interlocking wheel. 1,947,178; Feb. 13.
- Wilson, Frank D., Chicago, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Fiber plate. 1,945,013; Jan. 30.
- Wilson, Fred D. (See Beatty, W. T., and Wilson.)
- Wilson, Fred D., Harvey, Ill., assignor to Western-Austin Company. Road machine. 1,983,826; Dec. 11.
- Wilson, Frederick P., jr., Schenectady, N. Y., assignor to General Electric Company. Gas-conversion apparatus. 1,953,047; Mar. 27.
- Wilson, George, assignor to Porcelair Manufacturing Company, Greensburg, Pa. Lighting fixture. 1,972,637; Sept. 4.
- Wilson, George D. (See Baker, G. R. and Wilson.)
- Wilson, George F. (See Evenden, G. A., and Wilson.)
- Wilson, George L. (See Nelson, E. C., Ledgerwood, and Wilson.)
- Wilson, George M., Schenectady, N. Y. Locomotive boiler throat sheet construction. 1,946,996; Feb. 13.
- Wilson, George S., Edinburgh, Scotland. Table-fork or similar article. Des. 93,956; Nov. 27.
- Wilson, Guss E., Detroit, Mich. Electric water heater. 1,952,107; Mar. 27.
- Wilson, H. A., Company, The. (See Holbrook, Henry E., assignor.)
- Wilson, Harold F. (See Smith, W. S., Garnett, Dean, Channon, Gardner, and Wilson.)
- Wilson, Harry W., San Francisco, Calif. Paper shredding machine. 1,966,109; July 10.
- Wilson, Henry S., and H. Lauten, New York, N. Y. Awning frame. 1,943,406; Jan. 16.
- Wilson, Herman, and C. Ritchie, Youngstown, Ohio, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for controlling electric motors. 1,985,706; Dec. 25.
- Wilson, Ira G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave amplifying system. 1,948,976; Feb. 27.
- Wilson, Ira G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex signaling system. 1,974,090; Sept. 18.
- Wilson, Ira H., Montreal, Mo. Guard for mowing and analogous machines. 1,945,301; Jan. 30.
- Wilson, Ira J., Winnetka, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind. Machine for testing angularity of wheels. 1,967,139; July 17.
- Wilson, J. G., Corporation, The. (See Winn, John F., jr., assignor.)
- Wilson, Jack. (See Barthelemy, P. P., and Wilson.)
- Wilson, Jack. (See Camp, P. B., and Wilson.)

- Wilson, Jacob D., Brooklyn, N. Y. Elevator system. 1,973,920; Sept. 18.
- Wilson, James H., and D. C. E. Poole, Baginton, near Coventry, England. Gas meter. 1,952,959; Mar. 27.
- Wilson, James L., Jr., Rosedale, Miss. Gasoline dispensing device. 1,959,453; May 22.
- Wilson, James M., East Cleveland, Ohio, assignor to Bailey Meter Company. Pilot valve. 1,967,851; July 24.
- Wilson, James M., East Cleveland, Ohio, assignor to Bailey Meter Company. Pressure-tight bearing. 1,977,030; Oct. 16.
- Wilson, John E., assignor to Industrial Patents Corporation, Chicago, Ill. Ceiling construction. 1,967,071; July 17.
- Wilson, John M., Osborn, Ohio. Propeller. 1,947,073; Feb. 13.
- Wilson-Jones Company. (See Buenger, Edward F., assignor.)
- Wilson-Jones Company. (See Buenger, E. F., and Wedge, assignors.)
- Wilson-Jones Company. (See Dawson, George H., assignor.)
- Wilson-Jones Company. (See Dawson, G. H., and Unger, assignors.)
- Wilson-Jones Company. (See Gideon, Victor, assignor.)
- Wilson-Jones Company. (See McCleary, Henry R., assignor.)
- Wilson-Jones Company. (See Ritzinger, John R., assignor.)
- Wilson-Jones Company. (See Rundblad, George J., assignor.)
- Wilson-Jones Company. (See Schlosser, B., and Unger, assignors.)
- Wilson-Jones Company. (See Unger, Paul O., assignor.)
- Wilson, Judson L., Ardmore, Okla. Gate. 1,961,680; June 5.
- Wilson, Lavett S., Los Angeles, Calif. Flashing reglet. 1,954,274; Apr. 10.
- Wilson, Lavett S., Los Angeles, Calif. Skylight bar. 1,968,363; July 31.
- Wilson, Lee, Cleveland, Ohio. Annealing furnace. 1,952,402; Mar. 27.
- Wilson, Lee, Steubenville, assignor, by mesne assignments, to Surface Combustion Corporation, Toledo, Ohio. Method of and apparatus for producing stable luminous flame combustion. 1,950,044; Mar. 6.
- Wilson, Livingston A., Flint, assignor to General Motors Corporation, Detroit, Mich. Carburetor air intake arrangement. 1,983,723; Dec. 11.
- Wilson Locknut Company. (See Wilson, Wylie G., assignor.)
- Wilson, Louis P., assignor to A. P. Wilson, Cleveland, Ohio. Key fastener. 1,956,542; Apr. 24.
- Wilson, Lyndon F. (See McCoy, Verl E., assignor.)
- Wilson, Lyndon F., Chicago, Ill. Locomotive blow-off apparatus. 1,966,776; July 17.
- Wilson, Lyndon F., Chicago, Ill. Sludge remover. 1,966,777; July 17.
- Wilson-Macaulen Company. (See Williams, E., and Moore, assignors.)
- Wilson, Odell, Auburn, Calif. Antifriction bearing. 1,982,893; Dec. 4.
- Wilson, Odell, Auburn, Calif. Antifriction bearing. 1,982,894; Dec. 4.
- Wilson, Percy H., Nottingham, assignor of one-half to The Stanton Ironworks Company, Limited, Stanton-hydale, near Nottingham, England. Pipe joint. 1,965,915; July 10.
- Wilson, Philip J., Jr., Edgeworth, Pa., assignor to The Koppers Company of Delaware. Treatment of gas. 1,968,275; July 31.
- Wilson, Ralph G. (See Cloud, W. J., and Wilson.)
- Wilson Rings Company. (See Wilson, Wylie G., assignor.)
- Wilson, Robert E., assignor to Standard Oil Company, Chicago, Ill. Hydrogenation system. 1,958,528; May 15.
- Wilson, Robert E., assignor to Standard Oil Company (Indiana), Chicago, Ill. Hydrogenation of pressure tar. 1,960,885; May 29.
- Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Apparatus for distilling hydrocarbon oil. 1,966,746; July 17.
- Wilson, Robert M., Jackson Heights, assignor to United Fruit Company, New York, N. Y. Display hook. 1,972,505; Sept. 4.
- Wilson, Robert M., Jackson Heights, assignor to United Fruit Company, New York, N. Y. Display stand. 1,979,514; Nov. 6.
- Wilson, Robert P., Fort Worth, Tex. Hot water heater. 1,961,723; June 5.
- Wilson, Rupert E., Oklahoma City, Okla. Connector. 1,968,432; July 31.
- Wilson, Samuel J., El Paso, Tex. Safety device for submarines. 1,953,843; Apr. 3.
- Wilson-Snyder Manufacturing Corporation. (See Shimer, John M., assignor.)
- Wilson, Stephen F., Cardiff, Md., assignor to Peyton du Pont, Incorporated, Mandrel. 1,974,553; Sept. 25.
- Wilson, Stuart D., Spokane, Wash. Grease collecting attachment for cooking ranges. 1,977,258; Oct. 16.
- Wilson, Walter E., Detroit, Mich. Package. Re19,403; Dec. 18.
- Wilson, Walter E., Detroit, Mich. Package. 1,950,203; Mar. 6.
- Wilson, Walter G., Westminster, London, England. Torque transmitting apparatus. 1,965,518; July 8.
- Wilson Welder & Metals Company. (See Churchward, Alexander, assignor.)
- Wilson, Wesley, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring electrical quantities. 1,951,461; Mar. 20.
- Wilson, Wesley, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for severing fine wire. 1,954,970; Apr. 17.
- Wilson-Western Sporting Goods Company. (See Jansky, Charles G., assignor.)
- Wilson-Western Sporting Goods Co. (See Turner, Archibald J., assignor.)
- Wilson, William, Erdington, Birmingham, and S. A. G. Emms, Leamington Spa, England. Apparatus for paralleling synchronous machine to maintain reciprocating engines or pumps in synchronism. 1,942,789; Jan. 9.
- Wilson, William C. (See Trolander, E. W., and Wilson.)
- Wilson, William H., assignor to Vermont Spool & Bobbin Co. (Incorporated), Burlington, Vt. Yarn spool. 1,934,244; Dec. 11.
- Wilson, William P., deceased, Detroit, by Marie P. Wilson, administratrix, Lansing, Mich., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Director. 1,979,720; Nov. 6.
- Wilson, William S., assignor to Merrimac Chemical Company, Inc., Boston, Mass. Treating clay for transportation and handling. 1,942,196; Jan. 2.
- Wilson, William S., assignor to Merrimac Chemical Company, Inc., Boston, Mass. Utilization of sludge acid. 1,945,172; Jan. 30.
- Wilson, William S., Roslindale, assignor to Merrimac Chemical Co. Inc., Boston, Mass. Manufacture of aluminum sulphate. 1,945,171; Jan. 30.
- Wilson, William S., Roslindale, assignor to Merrimac Chemical Co. Inc., Boston, Mass. Chemical treatment of clays. 1,953,144; Apr. 3.
- Wilson, William S., Boston, assignor to Merrimac Chemical Company, Inc., Everett, Mass. Manufacture of organic esters. 1,975,515; Nov. 6.
- Wilson, William S., Brookline, assignor to Merrimac Chemical Company, Everett, Mass. Manufacture of organic esters. 1,979,516; Nov. 6.
- Wilson, Winfred E., Los Angeles, Calif. Connection for structural units. 1,953,145; Apr. 3.
- Wilson, Wood L. (See Spizel, E. R., and Wilson.)
- Wilson, Wylie G., Elizabeth, N. J. Mechanical lock. 1,952,483; Mar. 27.
- Wilson, Wylie G., Elizabeth, N. J. Making lock washers. 1,963,573; June 19.
- Wilson, Wylie G., Elizabeth, N. J. Lock-nut. 1,967,276; July 24.
- Wilson, Wylie G., Elizabeth, assignor to Wilson Rings Company, Jersey City, N. J. Sealing and locking device. 1,965,273; July 8.
- Wilson, Wylie G., Elizabeth, assignor to Wilson Locknut Company, Jersey City, N. J. Lock nut. 1,975,815; Oct. 9.
- Wilt, Lewis E., Akron, Ohio. Rubber heel and reinforcing and nail retaining member therefor. 1,980,127; Nov. 6.
- Wiltfong, Hubert H., Kansas City, Mo. Dry material measuring and feeding apparatus. 1,973,191; Sept. 11.
- Wiltshire, H. T., assignor of one-half to R. U. Bronson, Eugene, Oreg. Illuminated sign. 1,956,185; Apr. 24.
- Wimmer, Anton, Dortmund, Germany. Plating iron with aluminum and product thereof. 1,982,563; Nov. 27.
- Wimmer, Josef. (See Mugdan, M., and Wimmer.)
- Winans, Daniel M., assignor to Daniel M. Winans Corporation, Binghamton, N. Y. Positive friction clutch. 1,978,975; Oct. 30.
- Winans, Daniel M., Corporation. (See Winans, Daniel M., assignor.)
- Winchell, Arthur B., Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Clutch-operating mechanism. 1,942,158; Jan. 2.
- Winchester, Frank U., and J. H. Hunt, assignors to Motor Wheel Corporation, Lansing, Mich. Nut and cup washer assembly. 1,961,470; June 5.
- Winchester Repeating Arms Company. (See Burton, F. F., and Roemer, assignors.)
- Winchester Repeating Arms Company. (See Marshall, James E., assignor.)
- Winchester Repeating Arms Company. (See Roslen, Victor E., assignor.)
- Winckler, Gunnar A. F. (See Ellis, A. L. R., and Winckler.)
- Winckler, Gustav, assignor, by mesne assignments, to the firm Dortmund-Hoerder Huttenverein Aktiengesellschaft, Dortmund, Germany. Burner for liquid fuel, especially for cutting and welding under water. 1,981,766; Nov. 20.
- Windecker, Charles E., Painesville, Ohio. Car. 1,980,895; Nov. 13.
- Windecker, Clifton N. (See Lyon, Charles E., assignor.)
- Windecker, Clifton N. (See Sheal, R. E., and Windecker.)
- Windecker, Clifton N., Painesville, Ohio. Treatment of sewage and the like. 1,968,114; July 31.
- Windecker, Clifton N., Painesville, Ohio. Clarifying chlorinated solutions. 1,980,896; Nov. 13.
- Windecker, Clifton N., and E. W. Tucker, assignors to Diamond Alkali Company, Painesville, Ohio. Electrolytic cell. 1,957,482; May 8.

- Winder, Frank J., and W. Lehrer, assignors to Surface Combustion Corporation, Toledo, Ohio. Gas burner for industrial furnaces. 1,950,015; Mar. 6.
- Winders, Robert C., Walnut Park, Calif. Spring. 1,974,405; Sept. 18.
- Windham, James W. (See Stevens, H. E., Windham, Albee, and Foster.)
- Windhorn, Heinrich. (See Schrader, E., Windhorn, and Meyer.)
- Windisch, Edward B., Fort Pierce, Fla., assignor to Fred C. Fantz, Webster Groves, Mo. Return bend fittings for oil cracking stills. 1,963,515; June 19.
- Windisch, Ignacz, Arad, Rumania. Rail tie. 1,969,343; Aug. 7.
- Windle, Winifred W., Sutton, Mass. Wool opener. 1,978,036; Oct. 23.
- Windsor, Nelson, South Bend, Ind., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine cabinet. Des. 92,330; May 22.
- Windus, Wallace. (See Turley, H. G., and Windus.)
- Wine, Edgar P. (See Ott, C. L., Wine, and Balsiger.)
- Wine Railway Appliance Company. (See Hankins, Cyrus, assignor.)
- Wine, William E., Toledo, Ohio. Railway car. 1,943,572; Jan. 16.
- Wine, William E., Toledo, Ohio. Brake rigging for railway cars. 1,951,075; Mar. 13.
- Wine, William E., Toledo, Ohio. Door for railway cars. 1,955,868; Apr. 24.
- Wine, William E., Toledo, Ohio. Spring unit and assembly for railway car trucks. 1,956,336; Apr. 24.
- Wine, William E., Toledo, Ohio. Railway car. 1,963,453; June 19.
- Wine, William E., Toledo, Ohio. Railway car. 1,968,511; July 31.
- Wine, William E., Toledo, Ohio. Apparatus for making a volute spring. 1,976,871; Oct. 16.
- Wine, William E., Toledo, Ohio. Car door mechanism. 1,977,838; Oct. 23.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Pump controlling apparatus. 1,968,864; Aug. 7.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Clutch. 1,984,389; Dec. 18.
- Winemold Company, The. (See Murphy, Daniel H., assignor.)
- Winfield, Edward A., La Canada, Calif. Internal combustion engine. 1,968,473; July 31.
- Winfield, Morris, et al. (See Verge, Reginald E., assignor.)
- Winfield, William, et al. (See Verge, Reginald E., assignor.)
- Winfree, John B., Jr., Lynchburg, Va. Carriage for cake-cutting machines. 1,975,032; Sept. 25.
- Wing, Amos O. (See Mace, James W., assignor.)
- Wing, Charles C. (See Campbell, B. G., Wing, and Heath.)
- Wing, Frederick K., Buffalo, N. Y. Scraping means for sewage disposal plants. 1,951,462; Mar. 20.
- Wing, Lee, Calexico, Calif. Direction signal. 1,965,063; July 3.
- Wingard, William O., Irvington, N. J. Automatic steam radiator valve. 1,984,509; Dec. 18.
- Winger, William C., Lancaster, Pa. Flower vase. 1,977,417; Oct. 16.
- Wingert, Paul, Lorain, Ohio. Ventilator. 1,943,573; Jan. 16.
- Wingert, William B., assignor to Smet-Solvay Engineering Corporation, New York, N. Y. Recovery of phenols from gas liquors. 1,963,516; June 19.
- Winget, Nell P., Minneapolis, Minn. Guard for shoe heels. 1,955,159; Apr. 17.
- Wingfoot Corporation. (See Berwick, J. D., assignor.)
- Wingfoot Corporation. (See Calvert, William C., assignor.)
- Wingfoot Corporation. (See Carter, Raymond S., assignor.)
- Wingfoot Corporation. (See Carter, R. S., and Dick, assignors.)
- Wingfoot Corporation. (See Chassagne, Howard H., assignor.)
- Wingfoot Corporation. (See Day, Ralph B., assignor.)
- Wingfoot Corporation. (See Endres, Herbert A., assignor.)
- Wingfoot Corporation. (See Evans, Rhys D., assignor.)
- Wingfoot Corporation. (See Filley, Earl A., assignor.)
- Wingfoot Corporation. (See Fischer, Wilhelm, assignor.)
- Wingfoot Corporation. (See Haines, H. H., and Lange, assignors.)
- Wingfoot Corporation. (See James, Kenneth B., assignor.)
- Wingfoot Corporation. (See Johnson, Ray M., assignor.)
- Wingfoot Corporation. (See Kirk, Raphael S., assignor.)
- Wingfoot Corporation. (See Maas, Elov F., assignor.)
- Wingfoot Corporation. (See Mallory, Gerald D., assignor.)
- Wingfoot Corporation. (See Morse, Herman E., assignor.)
- Wingfoot Corporation. (See Nixon, Winfred H.)
- Wingfoot Corporation. (See Sehrell, Lorin B., assignor.)
- Wingfoot Corporation. (See Sebrell, L. B., and Clifford.)
- Wingfoot Corporation. (See Snyder, Robert W., assignor.)
- Wingfoot Corporation. (See Snyder, R. W., and Haase, assignors.)
- Wingfoot Corporation. (See Sohl, Ralph W., assignor.)
- Wingfoot Corporation. (See Stephens, William, assignor.)
- Wingfoot Corporation. (See Swain, Joseph G., assignor.)
- Wingfoot Corporation. (See Ward, John S., assignor.)
- Wingfoot Corporation. (See Warden, James C., assignor.)
- Wingfoot Corporation. (See Wolfe, William D., assignor.)
- Wingfoot Corporation. (See Woodward, Alva W., assignor.)
- Winings, Willie E., Arthur, Ill. Road machine. 1,980,897; Nov. 13.
- Winkel, Fred M. (See Winkel, Vincent J., assignor.)
- Winkel, Vincent J., Wausau, Wis., assignor of one-half to F. M. Winkel, Brooklyn, N. Y. Brush-actuating mechanism for electric motors. 1,966,057; July 10.
- Winkler, Hermann, H. Reindel, Ludwigshafen-on-the-Rhine, and G. F. Von Rosenberg, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 1,949,228; Feb. 27.
- Winkelmüller, Karl, Leipzig, Germany. Drying of bark tanned leather. 1,963,343; June 19.
- Winkle, Eugen, Jller, Germany. Copying lathe for shoe lasts and the like. 1,946,253; Feb. 6.
- Winkleman, Edward J., Oakmont, Pa. Playing surface. 1,970,639; Aug. 21.
- Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Method and apparatus for withdrawing lowest sheets. 1,942,527; Jan. 9.
- Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Apparatus for handling sheets and the like. 1,943,500; Jan. 16.
- Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Device for removing from a pile of sheets the sheet lowest at the time. 1,945,248; Jan. 30.
- Winkler, Carl J. (See Schwitzer, L., and Winkler.)
- Winkler, Carl J. (See Schwitzer, L., Winkler, and Beier.)
- Winkler, Carl J. and H. E., Indianapolis, Ind. Hydraulic power transmission and timing control therefor. 1,968,188; July 31.
- Winkler, Franz, Schweinfurt, Germany. Vehicle wheel hub. 1,947,960; Feb. 20.
- Winkler, Franz, Schweinfurt, Germany. Free wheel hub with coaster brake. 1,947,961; Feb. 20.
- Winkler, Fritz, and H. Haeuber, Ludwigshafen-on-the-Rhine, Germany. Production of hydrocarbons. 1,945,960; Feb. 6.
- Winkler, Fritz, and H. Haeuber, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion of hydrocarbons into hydrocarbons of lower molecular weight. 1,973,834; Sept. 18.
- Winkler, Fritz, Ludwigshafen-on-the-Rhine, E. Hochheim, Heidelberg, and F. Bergmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Mirror. 1,982,774; Dec. 4.
- Winkler, Herman J. (See Barnes, W. J., and Winkler.)
- Winkler, Herman E. (See Winkler, Carl J. and H. E.)
- Winkler, Herman G., assignor to Barnes Scale Company, Detroit, Mich. Knife sharpener device. 1,977,418; Oct. 16.
- Winkler, John, assignor to Ohio Foundry Company, Cleveland, Ohio. Apparatus for equalizing enamel coatings. 1,978,121; Oct. 23.
- Winkler, Josef. (See von Plotrowski, W., and Winkler.)
- Winkler, Julius, jr., Pforzheim, Germany. Electrodeposition of metal alloys. 1,951,893; Mar. 20.
- Winkler, Karl. (See Krauch, C., Pier, and Winkler.)
- Winkler, Karl. (See Pier, M., and Winkler.)
- Winkler, Karl. (See Pier, M., Winkler, and Schmitt.)
- Winkler, Karl. (See Pier, M., Winkler, and Wissel.)
- Winkler, Kurt, Finsterwalde, Nieder-Lausitz, Germany. Table. 1,967,181; July 17.
- Winkler, Rudolf, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Water-insoluble colored products fast to light, to water, and to weather. 1,958,327; May 8.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Transferring system. 1,978,004; Oct. 23.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Transferring system. 1,978,005; Oct. 23.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cop winding. 1,978,850; Oct. 30.
- Winn, John F., jr., assignor to The J. G. Wilson Corporation, Norfolk, Va. Wardrobe. 1,970,028; Aug. 14.
- Winn, John F., jr., assignor to The J. G. Wilson Corporation, Norfolk, Va. Dual control wardrobe. 1,974,670; Sept. 25.
- Winn, Sidney B., Lapeer, Mich. Tractor brake system. 1,942,628; Jan. 9.
- Winn, Sidney B., Lapeer, Mich. Semitrailer. 1,944,773; Jan. 23.
- Winn, Sidney B., Lapeer, Mich. Semitrailer. 1,944,774; Jan. 23.
- Winn, Sidney B., Lapeer, Mich. Fifth wheel coupling for tractor-trailer combinations. 1,944,775; Jan. 23.
- Winn, Sidney B., Lapeer, Mich. Semitrailer. 1,962,266; June 12.
- Winn, Sidney B., Lapeer, Mich. Tractor and trailer brake system. 1,974,168; Sept. 18.
- Winn, Sidney B., Lapeer, Mich. Positive brake for trailers. 1,974,169; Sept. 18.
- Winne, Harry A., Schenectady, N. Y., assignor to General Electric Company. Apparatus for controlling the thickness of strip material. 1,969,536; Aug. 7.
- Winne, Harry A., and L. A. Umansky, Schenectady, N. Y., assignors to General Electric Company. Parallel operation dynamo-electric machine. 1,953,792; Apr. 3.
- Winner, Glenn B. (See Buchanan, G. H., and Winner.)

- Winner, Hudson T., assignor to Fitz Gibbon & Crisp, Inc., Trenton, N. J. Vehicle body. 1,960,096; May 22.
- Winnertz, Peter E., Penig, Germany, assignor, by mesne assignments, to Investira S. A., Lausanne, Switzerland. Manufacturing hollow paper bodies. 1,964,709; June 26.
- Winnewisser, Emil A., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Control mechanism for alternately operated motors. 1,980,024; Nov. 6.
- Winning, Carl, Elizabeth, N. J., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel and preparing same. 1,982,277; Nov. 27.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Flexible sheath. 1,960,612; May 29.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Switch. 1,970,828; Aug. 21.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Control mechanism. 1,982,895; Dec. 4.
- Winning, Robert K., Wauwatosa, and E. Sinner, assignors to Clum Manufacturing Company, Milwaukee, Wis. Potentiometer. 1,960,611; May 29.
- Winning, William F., and C. Keyser, Braddock, Pa. Target. 1,949,554; Mar. 6.
- Winninghoff, Wilford J., South Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device. 1,971,945; Aug. 28.
- Winogradov, Alexander, New York, N. Y. Impregnating porous material with solid substances. 1,945,714; Feb. 6.
- Winqvist, Victor H., assignor to Mill Engineering and Supply Company, Seattle, Wash. Drive means. 1,958,121; May 8.
- Winsborough, Paxson. (See Davis, A. H., jr., and Winsborough.)
- Winsett, Herbert D., New York, N. Y. Window lock and burglar alarm signal. 1,959,253; May 15.
- Winsette, Hunter A., Elizabeth City, N. C. Anchor chain scrubber. 1,950,959; Mar. 13.
- Winship, Charles N., Wakefield, Mass. Bathing garment. 1,944,482; Jan. 23.
- Winslow Boller and Engineering Company. (See Schmidt, Theodore, assignor.)
- Winslow, Catherine B. (See Winslow, Charles A., assignor.)
- Winslow, Catherine B. (See Winslow, Eugene A., assignor.)
- Winslow, Charles A., Vallejo, assignor to Catherine B. Winslow, Oakland, Calif. Fluid purifier. 1,948,282; Feb. 20.
- Winslow, Charles A., Canton, Ohio, assignor to C. B. Winslow, Oakland, Calif. Air cleaner. 1,955,354; Apr. 17.
- Winslow, Edward H. (See Koenig, E. E., and Winslow.)
- Winslow, Edward N., Shaker Heights, assignor to The Mills Company, Cleveland, Ohio. Hinge. 1,944,386; Jan. 23.
- Winslow, Eugene A., San Francisco, Calif., assignor to C. B. Winslow, Canton, Ohio. Fluid purifier. 1,952,740; Mar. 27.
- Winsor, James G., Ann Arbor, Mich. Trailer hitch. 1,981,443; Nov. 20.
- Winsor, Philip H. D., Lodi, and C. N. Adams, Galt, assignors of nineteen per cent to C. A. Rinde, Lodi, Calif. Rotary motor. 1,968,729; July 31.
- Winstead, Martin H., Lexington, Nebr. Piston ring. 1,945,763; Feb. 6.
- Winston, Arthur W. (See Gann, J. A., Reynolds, and Winston.)
- Winston, Sydney H., South Ozone Park, N. Y. Rimless eyeglasses and spectacles. 1,984,448; Dec. 18.
- Winston, William J., assignor to Mitts & Merrill, Saginaw, Mich. Shredding paper and the like. 1,947,323; Feb. 13.
- Wintenberg, Adelbert C., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway truck. 1,948,250; Feb. 20.
- Wintenberg, Adelbert C., Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Driving wheel center. 1,960,039; May 22.
- Winter, August P., Winnipeg, Manitoba, Canada, assignor to Samuel C. Clow, Minneapolis, Minn. Elevator boot structure. 1,954,508; Apr. 10.
- Winter, Carl, and N. Roh, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Rhine, Germany. Production of resinous condensation products. 1,977,979; Oct. 23.
- Winter, Courtney P., assignor to Frens Corporation, Chambersburg, Pa. Sanitary napkin machine. 1,950,765; Mar. 13.
- Winter, Courtney P., and D. A. Rosenthal, assignors to United States Paper Mills, Inc., Chambersburg, Pa. Paper towel and making the same. 1,964,700; June 26.
- Winter, Edward C., Chicago, Ill. Stepladder and safety lock therefor. 1,954,112; Apr. 10.
- Winter, George B. (See McClean, Alexander W., assignor.)
- Winter, George J. (See Watkin, A. P. J., and Winter.)
- Winter, Gustav, assignor to the firm of Fabriques des Montres Zenith Successeur de Fabriques des Montres Zenith Georges Favre-Jacot & Cie, Le Locle, Switzerland. Apparatus for recording the periods of operation of an electrical installation. 1,950,832; Mar. 13.
- Winter, Harry J., London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,943,574; Jan. 16.
- Winter, Henry E., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Dump bailer for cementing wells. 1,954,608; Apr. 10.
- Winter, John R., Detroit, Mich., assignor to H. A. Montgomery, Grease seal. 1,961,438; June 5.
- Winter, Joseph W., Penfield, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Separator. 1,962,631; June 12.
- Wintercorn, John B., Chicago, Ill. Dynamic balancing of tubular shafting for transmission of power purposes. 1,958,982; May 15.
- Winterhalter, Ludwig. (See Schening, G., and Winterhalter.)
- Winterhalter, Martin, Barmen-Wiehlingshausen, Germany. Method and apparatus for delivering closures from a magazine. 1,982,090; Nov. 27.
- Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Liquid flushing for discharge electrodes. 1,959,752; May 22.
- Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. System for electrical precipitation. 1,968,330; July 31.
- Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Fluid treater. 1,974,226; Sept. 18.
- Winters & Crampton Manufacturing Company. (See De Voe, George E., assignor.)
- Winters, Harry J., and E. E. Clark, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Tuft fabric forming loom and forming tuft. 1,958,387; May 8.
- Winters, Harry J., Auburn, and E. E. Clark, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Tufted fabric loom. 1,958,388; May 8.
- Winters, Wilbur H., Larchmont, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,941,646; Jan. 2.
- Winters, Wilbur H., Larchmont, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,949,670; Mar. 6.
- Winters, Wilbur H., Larchmont, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,961,183; June 5.
- Winters, Wilbur H., Larchmont, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,961,184; June 5.
- Winters, Wilbur H., Larchmont, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,965,166; July 3.
- Winther, Anthony, Kenosha, Wis. Electromagnetic pole. 1,977,600; Oct. 16.
- Winther, Anthony, Kenosha, Wis. Electric governor. 1,982,461; Nov. 27.
- Winther, Anthony, Kenosha, Wis., and M. P. Winther, Waukegan, Ill. Transmission. 1,983,827; Dec. 11.
- Winther, Martin P. (See Winther, Anthony and M. P.)
- Winthrop Chemical Company. (See Benda, Louis, assignor.)
- Winthrop Chemical Company. (See Bockmühl, M., and Ehrhart, assignors.)
- Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, and Stein, assignors.)
- Winthrop Chemical Company. (See Bockmühl, M., and Knoll, assignors.)
- Winthrop Chemical Company. (See Eisleb, Otto, assignor.)
- Winthrop Chemical Company. (See Giemsa, G., Oesterlin, and Pützer, assignors.)
- Winthrop Chemical Company. (See Jensch, H., and Eisleb, assignors.)
- Winthrop Chemical Company. (See Lautenschläger, C. L., Ludwig, and Lindner, assignors.)
- Winthrop Chemical Company. (See Neubert, Oskar, assignor.)
- Winthrop Chemical Company. (See Pfaff, Kaspar, and Erlenbach, assignors.)
- Winthrop Chemical Company. (See Stolz, F., and Flaecher, assignors.)
- Winthrop Chemical Company. (See Streltzwolf, K., Fehrlé, Fritzsche, and Hermann, assignors.)
- Winthrop Chemical Company. (See Streltzwolf, K., Fehrlé, and Hallensleben.)
- Winthrop Chemical Company. (See Traube, W., and Kubler, assignors.)
- Winthrop Chemical Company, Inc. (See Bockmühl, M., Ehrhart, and Stein, assignors.)
- Winthrop Chemical Company, Inc. (See Forbing, John W., assignor.)
- Winthrop Chemical Company, Inc. (See Goth, E., Kayser, and Kühn, assignors.)
- Winthrop Chemical Company, Inc. (See Johnson, Treat B., assignor.)
- Winthrop Chemical Company, Inc. (See Klarer, J., Mietzsch, and Hahl, assignors.)
- Winthrop Chemical Company, Inc. (See Kropp, W., and Taub, assignors.)
- Winthrop Chemical Company, Inc. (See Lautenschläger, C. L., Bockmühl, and Persch, assignors.)
- Winthrop Chemical Company, Inc. (See Lautenschläger, C. L., and Lindner, assignors.)
- Winthrop Chemical Company, Inc. (See Pfaff, K., and Erlenbach, assignors.)

- Winthrop Chemical Company, Inc. (See Schepss, W., Bonrath, and Taube, assignors.)
 Winthrop Chemical Company, Inc. (See Schlecht, L., and von Nagel, assignors.)
 Winthrop Chemical Company, Inc. (See Schmidt, Hans, assignor.)
 Winthrop Chemical Company, Inc. (See Schönöfer, F., and Bonrath, assignors.)
 Winthrop Chemical Company, Inc. (See Steindorff, A., and Pfaff, assignors.)
 Winthrop Chemical Company, Inc. (See Steindorff, A., Pfaff, and Erlenbach, assignors.)
 Winthrop Chemical Company, Inc. (See Streitwolf, K., and Fritzsche, assignors.)
 Winton, Henry D., Wellesley, assignor to Hersey Manufacturing Company, South Boston, Mass. Liquid-dispensing apparatus. 1,974,857; Sept. 25.
 Winton, John R., Chicago, assignor, by mesne assignments, to F. Huettmann, Wilmette, Ill. Fluid strainer. 1,977,601; Oct. 16.
 Wintor, Lewis B., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Electric signaling and controlling apparatus. 1,954,857; Apr. 17.
 Wintrob, Jacob M., Philadelphia, Pa. Curtain fitting. 1,945,585; Feb. 6.
 Wintrob, Jacob M., Philadelphia, Pa. Curtain fitting. 1,965,091; July 3.
 Wintz, William, assignor to Oshkosh Trunks, Inc., Oshkosh, Wis. Luggage case. 1,952,699; Mar. 27.
 Wintzer, Rudolf, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Governor for engine driven compressors. 1,958,503; May 15.
 Winzeler, Daniel W. (See Litchfield, Earl A., assignor.)
 Wippenhohn, Heinrich. (See Eschbach, W., and Wippenhohn.)
 Wipperman, Hildegard, assignor, by mesne assignments, to The H. W. Gossard Company, Chicago, Ill. Combination garment. 1,941,505; Jan. 2.
 Wire & Steel Products Co., The. (See Ornston, Sidney J., assignor.)
 Wired Radio, Inc. (See Bohner, Chance E., assignor.)
 Wired Radio, Inc. (See Butler, H. R., and Weston, assignors.)
 Wired Radio, Inc. (See Crossley, Alfred, assignor.)
 Wired Radio, Inc. (See Culver, Charles A., assignor.)
 Wired Radio, Inc. (See Davis, Chester L., assignor.)
 Wired Radio, Inc. (See Duncan, Robert D., Jr., assignor.)
 Wired Radio, Inc. (See Gebhard, Louis A., assignor.)
 Wired Radio, Inc. (See Gebhard, L. A., and Rudolph, assignors.)
 Wired Radio, Inc. (See Gebhard, L. A., assignor, and Rudolph.)
 Wired Radio, Inc. (See Gebhard, L. A., White, and Rudolph, assignors.)
 Wired Radio, Inc. (See Goshaw, Irl R., assignor.)
 Wired Radio, Inc. (See Hentschel, Ernest R., assignor.)
 Wired Radio, Inc. (See Herdman, William J., assignor.)
 Wired Radio, Inc. (See Hotopp, Alfred H., assignor.)
 Wired Radio, Inc. (See Hough, Clinton W., assignor.)
 Wired Radio, Inc. (See Hund, August, assignor.)
 Wired Radio, Inc. (See Hyland, Lawrence A., assignor.)
 Wired Radio, Inc. (See Levine, Irwin B., assignor.)
 Wired Radio, Inc. (See Owens, Freeman H., assignor.)
 Wired Radio, Inc. (See Scheibell, Gordon B., assignor.)
 Wired Radio, Inc. (See Taylor, Albert H., assignor.)
 Wired Radio, Inc. (See Trogner, Arthur M., assignor.)
 Wire Novelty Manufacturing Company, The. (See Domke, John H., assignor.)
 Wirrer, Gottfried, Plainfield, and A. D. Robbins, Highland Park, N. J., assignors to International Motor Company, New York, N. Y. Clutch synchronizing device. 1,984,618; Dec. 18.
 Wirshing, Ralph J., and H. G. Mougey, assignor to General Motors Research Corporation, Detroit, Mich. Electroplating method. 1,963,391; June 19.
 Wirt & Knox Mfg. Co. (See Parker, Charles R., assignor.)
 Wirtel, Arthur F. (See De Groote, M., Keiser, and Wirtel.)
 Wirtel, Arthur F. (See De Groote, M., and Wirtel.)
 Wirth, Alfred, Erkelenz, Rhineland, Germany. Roller straightening machine. 1,943,153; Jan. 9.
 Wirth, Heinrich, assignor to Micafil A.-G., Alstetten, near Zurich, Switzerland. High tension sleeve insulator. 1,969,917; Aug. 14.
 Wirth, Johann K., Berlin, assignor to Süreschutz Gesellschaft mit beschränkter Haftung, Berlin-Altiglenicke, Germany. Manufacturing vessels. 1,949,135; Feb. 27.
 Wirth, Karl, Berlin-Charlottenburg, Germany, assignor to Julius A. C. Fichtmueller, Stapleton, Staten Island, N. Y. Process for the production of roll-gold stamping foils upon plates or bands. 1,974,763; Sept. 25.
 Wirtz, Adolf, Mulheim-Ruhr, Germany. Production of pig-iron having a fine graphite texture. 1,955,481; Apr. 17.
 Wirtz, Franklin H. (See Shaffer, Glenn A., and Wirtz.)
 Wirz, A. H., Inc. (See Darlington, Henry S., assignor.)
 Wirz, Herman, Jr., and C. F. Hlavaty, Los Angeles, Calif. Sewer flushing apparatus. 1,951,463; Mar. 20.
 Wisdom, Stuart A., Shawinigan Falls, Quebec, Canada, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Safety device for electrodes. 1,972,849; Sept. 4.
 Wise, Anthony G., Beverly Hills, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Apparatus for preparing films. 1,977,166; Oct. 16.
 Wise, Edmund M., Westfield, N. J., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. Re19,190; May 29.
 Wise, Edmund M., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Electrodeposition of platinum metals. 1,970,950; Aug. 21.
 Wisehaupt, Richard E., Los Angeles, Calif. Mirror. Des. 93,261; Sept. 4.
 Wise, Jacob H., Chicago, Ill. Flood light. Des. 91,915; Apr. 3.
 Wise, Jacob H., Chicago, Ill. Floodlight. 1,970,829; Aug. 21.
 Wise, John, Salina, Kans. Tool. 1,983,426; Dec. 4.
 Wise, Joseph A., Minneapolis, Minn. Sheet metal building construction. 1,983,828; Dec. 11.
 Wiseman, Adolph D., San Francisco, Calif. Cloth clasp. 1,962,851; June 12.
 Wiseman, Adolph D., San Francisco, Calif. Dental tool. 1,982,336; Nov. 27.
 Wiseman, Augustus H., New York, N. Y. Brake booster. 1,977,786; Oct. 23.
 Wiseman, John T., Brooklyn, assignor to United Dry Docks, Incorporated, New York, N. Y. Joint for electrical conductors. 1,975,244; Oct. 2.
 Wiseman, Robert J., Passaic, and B. B. Reinitz, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Alloy. 1,973,802; Sept. 11.
 Wise-McClung Corporation, et al. (See Adams, Thomas O., assignor.)
 Wise, Milton I., Berwick, Pa. Bag folding machine. 1,977,103; Oct. 16.
 Wise Patent and Development Company. (See Wise, Roy T., assignor.)
 Wise, Raleigh J., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Signal distortion indicator for start-stop telegraph systems. 1,971,148; Aug. 21.
 Wise, Robert P., assignor, by mesne assignments, of one-half to R. M. Scott, Jr., Oklahoma City, Okla. Vehicle signal. 1,965,916; July 10.
 Wise, Roger M., Forest Hills, assignor to one half to E. T. Cunningham, New York, N. Y. Relay system. 1,949,507; Mar. 6.
 Wise, Roger M., Oakland, assignor to E. T. Cunningham, San Francisco, Calif. Radio system and apparatus. 1,970,640; Aug. 21.
 Wise, Roy T., Berkeley, Calif., assignor to Wise Patent and Development Company, New York, N. Y. Clutch. 1,941,963; Jan. 2.
 Wise, Solomon, Shaker Heights, Ohio. Spare tire lock. 1,965,680; July 10.
 Wishon, Ralph, San Francisco, Calif., assignor to Bendix Research Corporation, East Orange, N. J. Variable pitch and reversible aeroplane propeller. 1,964,102; June 26.
 Wishon, Ralph, Chicago, Ill., assignor to Free Wheeling Patents Corporation, South Bend, Ind. Clutch. 1,979,060; Oct. 30.
 Wisner, Charles E. (See Arnold, Philip S., assignor.)
 Wisner, Charles E., et al. (See Oswald, Earl P., assignor.)
 Wisner, Clarence B., Orange, N. J., assignor, by mesne assignments, to Coal Process Corporation, Dover, Del. Rotary retort. 1,967,762; July 24.
 Wissel, Kurt. (See Pier, M., Winkler, and Wissel.)
 Wissel, Kurt. (See Pier, M., and Wissel.)
 Wisser, Fred, Astoria, N. Y. Flexible writing implement. 1,950,960; Mar. 13.
 Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Straight side single crank press. 1,984,908; Dec. 18.
 Wistrand, Gunnar, Schweinfurt, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Eliminating eccentricity in the rotation of work spindles for machine tools. 1,984,718; Dec. 18.
 Wistrup, Carl A., Collingswood, N. J., assignor to General Electric Company. Variable radio tuning control. 1,952,108; Mar. 27.
 Wiswall, William J., Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 1,955,782; Apr. 24.
 Wiswell, Arthur M., Roseburg, Oreg. Map display and cabinet. 1,945,961; Feb. 6.
 Wiswell, Ozro N. (See Allen, S. E., and Wiswell.)
 Wiswell, Ozro N., Los Angeles, Calif., assignor, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J. Head for puncturing closure disks. Re19,387; Nov. 27.
 Wiswell, Ozro N., Los Angeles, Calif. Can opener. Des. 93,859; Nov. 13.
 Wiswell, Ozro N., Los Angeles, Calif., assignor, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J. Discharge head for fluid containers. 1,945,715; Feb. 6.
 Witcher, Horace A., Amarillo, Tex. Attachment plug. 1,966,156; July 10.
 Witchger, Eugene J. (See Buck, F., and Witchger.)
 Witchger, Eugene J., assignor to Lufkin Rule Co., Saginaw, Mich. Tape measure. 1,945,842; Feb. 6.
 Witchger, Eugene J., assignor to Lufkin Rule Co., Saginaw, Mich. Tape measure. 1,964,280; June 26.

- Witham, George S., jr., Lincoln, N. H. Freeness indicator and recorder. 1,945,988; Feb. 6.
- Witham, George S., jr., and D. J. Walsh, Lincoln, N. H. Shower pipe. 1,972,001; Aug. 28.
- Witherhead, Howard F. (See Handy, Levin G., assignor.)
- Withers, Virgil M., and G. H. Seargeant, Grafton, W. Va. Hummingtop. 1,970,722; Aug. 21.
- Withey, Arthur W., Lynn, Mass. Preparing vegetable fibers for spinning. 1,959,400; May 22.
- Withington, Winthrop, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Broom rake. 1,942,629; Jan. 9.
- Withrow, J. F. D., et al. (See Johnson, Arthur E., assignor.)
- Withrow, Paul C., and B. F. Fry, Denver, Colo. Truck frame. 1,948,151; Feb. 20.
- Withrow, Robert B. (See Sperti, G., Norris, Withrow, and Schneider.)
- Withrow, Robert B., Cincinnati, Ohio. Therapeutic lamp. 1,953,206; Apr. 3.
- Witkiewicz, Roman, and A. Wicinski, Lwow, Poland. Crankless motor-compressor. 1,944,960; Jan. 30.
- Wittberger, Anton G., assignor to Koehring Company, Milwaukee, Wis. Drive gearing for shovel cranes. 1,969,285; Aug. 7.
- Wittcoff, Edward, University City, Mo. Sun hat. Des. 91,746; Mar. 13.
- Wittcoff, Edward, University City, Mo. Sun hat. Des. 91,747; Mar. 13.
- Wittcoff, Edward, University City, assignor to Caradine Hat Company, St. Louis, Mo. Hat. Des. 91,577; Feb. 20.
- Wittcoff, Edward, University City, assignor to Evr-Kleen Seat Pad Company, St. Louis, Mo. Seat cover. 1,946,825; Feb. 13.
- Wittcoff, Edward, University City, assignor to Caradine Hat Company, St. Louis, Mo. Imitation straw hat and producing the same. 1,953,697; Apr. 3.
- Wittcoff, Edward, St. Louis, Mo. Adjustable seat shield. 1,955,040; Apr. 17.
- Witte, Harry L., Philadelphia, Pa. Jewelry setting. 1,972,726; Sept. 4.
- Witte, James G., assignor of one-half to Iowa Fiber Box Company, Keokuk, Iowa, and one-half to South West Box Company, Sand Springs, Okla. Paper can. 1,979,923; Nov. 6.
- Witte, Kurt, St. Poelten, Austria, assignor to American Glanzstoff Corporation, New York, N. Y. Spinneret for the manufacture of rayon. 1,952,025; Mar. 20.
- Witte, Kurt, St. Poelten, Austria, assignor to North American Rayon Corporation, New York, N. Y. Spinneret. 1,967,798; July 24.
- Witte, Paul, New Milford, assignor to White Metal Manufacturing Company, Hoboken, N. J. Collapsible tube forming and threading machine. 1,966,877; July 17.
- Witte, Paul, New Milford, assignor to White Metal Manufacturing Company, Hoboken, N. J. Take-off mechanism for tube machines. 1,972,121; Sept. 4.
- Witte, Paul, New Milford, assignor to White-Metal Manufacturing Company, Hoboken, N. J. Feeding and stripping mechanism for tube-forming machines. 1,981,490; Nov. 20.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film spooling system. 1,941,522; Jan. 2.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film reel and support therefor. 1,941,523; Jan. 2.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Automatic reversing mechanism for motion-picture apparatus. 1,942,231; Jan. 2.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film magazine. 1,942,890; Jan. 9.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film magazine. 1,942,891; Jan. 9.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film winding device for motion picture apparatus. 1,946,604; Feb. 13.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film magazine. 1,946,605; Feb. 13.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Speed governor mechanism. 1,957,871; May 8.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film cartridge. 1,973,457; Sept. 11.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Supporting structure for a roll projection screen. 1,981,444; Nov. 20.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Reflex finder for motion picture cameras. 1,984,103; Dec. 11.
- Wittmann, Rudolph W., Brooklyn, N. Y. Carbonating apparatus. 1,967,799; July 24.
- Wittmeier, Hans, Berlin-Grünwald, W. Neumann, Berlin-Charlottenburg, Germany; said Wittmeier assignor to Midwest Manufacturing Company, Inc., Louisville, Ky. Air filter apparatus. 1,941,524; Jan. 2.
- Wittenberg, Lester, New Rochelle, assignor to The Barrett Company, New York, N. Y. Treating tars. 1,976,908; Oct. 16.
- Witter, Lawrie L., Jamaica Plain, Mass. Knife. 1,947,751; Feb. 20.
- Witter, Lawrie L., Jamaica Plain, Mass. Liquid dispensing device. 1,984,296; Dec. 11.
- Witter, Wilhelm, Halle, assignor to Firma M. Lissauer & Cie, Cologne-on-the-Rhine, Germany. Recovering non-ferrous metals from melts containing metal oxides. 1,941,506; Jan. 2.
- Wittfoht, Byron B., Bartonville, Ill. Calipers. 1,968,331; July 31.
- Wittig, Carl H. O., Irondequoit, N. Y. Device for picture frames and the like. 1,944,203; Jan. 23.
- Wittig, Carl O. G., Golden, Colo. Fire extinguisher bracket. Des. 91,641; Feb. 27.
- Wittkuhns, Bruno, Chatham, N. J., and F. M. Watkins, Forest Hills, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Noncontacting follow-up system. 1,959,804; May 22.
- Wittkuhns, Bruno A. (See Gillmor, R. E., and Wittkuhns.)
- Wittkuhns, Bruno A., Summit, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Hunt and lag preventing means. 1,959,144; May 15.
- Wittkuhns, Bruno A., Summit, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Trunnion tilt corrector. 1,985,756; Dec. 25.
- Wittkuhns, Bruno A., Chatham, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Thermionic follow-up and remote control system. 1,959,803; May 22.
- Wittkuhns, Bruno A., Chatham, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Remote control system. 1,976,648; Oct. 9.
- Wittkuhns, Bruno A., Summit, N. J., and F. M. Watkins, Forest Hills, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Follow-up or remote control system. 1,959,805; May 22.
- Wittkuhns, Bruno A., Chatham, N. J., and F. M. Watkins, Forest Hills, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Condenser controlled follow-up system. 1,970,442; Aug. 14.
- Wittman, Walter G., assignor of ten per cent to R. F. Marshall, Indianapolis, Ind. Anticarburing compound. 1,982,718; Dec. 4.
- Wittmers, Otto, Cologne-on-the-Rhine, Germany. Device for the releasable fixing of the reed of looms. 1,977,104; Oct. 16.
- Wittnauer, A., Co. (See Deck, Otto F., assignor.)
- Wittstein, Herman L., assignor to The Atlas-Ansonia Company, New Haven, Conn. Cutting mechanism. 1,952,033; Mar. 20.
- Wittstein, Herman L., assignor to The Atlas-Ansonia Company, New Haven, Conn. Hanging bar or rack. 1,972,282; Sept. 4.
- Wittwer, Max. (See Schoeller, C., and Wittwer.)
- Wittwer, Max, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of alkylene derivatives from alkylene oxides. 1,976,677; Oct. 9.
- Wittwer, Max, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of polymerization products. 1,976,678; Oct. 9.
- Witty, George, Long Island City, assignor of one-half to O. J. Kalt, New York, N. Y. Artificial lumber. 1,974,227; Sept. 18.
- Witzel, Charles C., Brooklyn, N. Y. Rocking chair. 1,983,206; Dec. 4.
- Witzel, Charles C., Brooklyn, N. Y. Rocking chair. 1,983,207; Dec. 4.
- Witzel, Earl R., Kohler, Wis. Voltage regulator for alternators. 1,961,185; June 5.
- Witzel, Heinrich W. (See Jaeger, A. O., and Witzel.)
- Witzel, Heinrich W., Ingram, assignor to The Selden Company, Pittsburgh, Pa. Separation of organic dibasic acids. 1,945,246; Jan. 30.
- Witzenmann, Emil. (See Tamm, Walther, assignor.)
- Witzleb, Otto, Dixon, Ill. Movable and adjustable plumbing fixture hanger. 1,947,369; Feb. 13.
- Wloka, Max, Solingen, Germany. Automatic razor blade etching machine. 1,952,006; Mar. 20.
- Wloka, Max, Solingen, Germany. Razor blade polishing and stropping machine. 1,985,874; Dec. 25.
- Wocel, Frank E., New York, N. Y. Liquid gauge. 1,969,679; Aug. 7.
- Wochinger, Eduard, and M. Mathias, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,952,403; Mar. 27.
- Wochley, Frank E. (See Grady, T., and Wochley.)
- Wodlinger, Mark H., Chicago, Ill., assignor to Cal-Aspirin Company. Combination of salicylic acid and calcium salts. 1,969,998; Aug. 14.
- Wodrich, Daniel C., Concordia, Mo. Chicken coop. 1,966,840; July 17.
- Wodtke, Hans V., Plainfield, N. J., assignor to Anaconda Wire & Cable Company, New York, N. Y. Three-conductor cable. 1,977,787; Oct. 23.
- Woehle, Clayton M., Dillsburg, Pa. Railroad freight car and door mechanism therefor. 1,949,555; Mar. 6.
- Woermann, Jacob, Glendale, Long Island, N. Y. Vaporizer for gas engines. 1,981,891; Nov. 27.
- Woerner, Erwin, North Caldwell, N. J. Display turntable. 1,982,776; Dec. 4.

- Woerner, William A., Elizabeth, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Tool. 1,982,719; Dec. 4.
- Woernley, Harry F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train wire connector. 1,952,347; Mar. 27.
- Wohl, Alfred, Danzig-Langfuhr, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Catalytic process for manufacturing phthalic anhydride. 1,971,888; Aug. 28.
- Wohl Shoe Company. (See Lipscomb, Vergil C., assignor.)
- Wohl Shoe Company. (See Schimel, Harry L., assignor.)
- Wohlfield, Edward J., Indianapolis, Ind. Game board. Des. 93,804; Nov. 6.
- Wohlfield, Joseph H., Philadelphia, Pa. Collapsible reservoir holder. 1,979,517; Nov. 6.
- Wohlfield, Edward J., Indianapolis, Ind. Game board. Des. 93,316; Sept. 11.
- Wohlrab, Albert W., Oakland, Calif., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,957,189; May 1.
- Wohlraabe, Otto, Plauen, Germany, assignor, by mesne assignments, to The Bell Punch and Printing Company Limited, Uxbridge, England. Web feeding device. 1,970,352; Aug. 14.
- Woidich, Francis S., Tulsa, Okla. Simultaneous treatment of crude petroleum or the like and bituminous coals or the like. 1,955,041; Apr. 17.
- Wojowski, Nellie, et al. (See Czarnecki, Walter V., Jr., assignor.)
- Wolbers, August B., Pittsburgh, Pa. Heat utilizing covering for stove pipes. 1,983,958; Dec. 11.
- Wolcott, Carl F., Jr., Wilmette, Ill. Communication system. 1,972,964; Sept. 11.
- Wolcott, Frank E., West Hartford, Conn. Exerciser. 1,969,247; Aug. 7.
- Wolcott, Frank E., West Hartford, Conn. Exerciser. 1,969,248; Aug. 7.
- Wolcott, Frank E., West Hartford, Conn. Razor blade sharpener. 1,970,115; Aug. 14.
- Wolcott, Frank E., West Hartford, Conn. Safety razor blade sharpener. 1,970,116; Aug. 14.
- Wolcott, Frank E., West Hartford, Conn. Razor blade sharpener operating means. 1,970,117; Aug. 14.
- Wolcott, Frank E., West Hartford, Conn. Safety razor blade sharpening roll. 1,970,118; Aug. 14.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. Des. 93,957; Nov. 27.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Beverage dispensing bowl. Des. 93,958; Nov. 27.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Stand for stoves or the like. 1,956,662; May 1.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Stove. 1,956,663; May 1.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,967,982; July 24.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,967,983; July 24.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Seal. 1,967,984; July 24.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Seal. 1,967,985; July 24.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,967,986; July 24.
- Wolcott, Frank E., West Hartford, Conn., assignor to Hartford Products Corporation. Stropper roll. 1,970,119; Aug. 14.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Handle for coffee makers and the like. 1,977,364; Oct. 16.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,977,365; Oct. 16.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,977,366; Oct. 16.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Pouring bowl. 1,977,367; Oct. 16.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Electric coffee maker. 1,983,209; Dec. 4.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Electric coffee maker. 1,983,210; Dec. 4.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Electric stove. 1,983,211; Dec. 4.
- Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 1,983,212; Dec. 4.
- Wolcott, Frank E., West Hartford, and L. V. Lucia, Hartford, Conn., assignors to The Bardsley & Wolcott Mfg. Co. Toaster. 1,948,739; Feb. 27.
- Wolcott, Leslie C., Warren, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shielded cable. 1,958,687; May 15.
- Wold, Christ O. (See Neault, G. C., and Wold.)
- Wold, Peter I., Schenectady, N. Y. Measurement of gravitational forces. 1,951,226; Mar. 13.
- Wold, Tryvge, assignor to Smith & Stone Limited, Georgetown, Ontario, Canada. Fuse plug. 1,984,954; Dec. 18.
- Wolf, Abraham, Brooklyn, N. Y. Decorative device. 1,951,717; Mar. 20.
- Wolf, Austin M. (See Gutmann J., Jr., and Wolf.)
- Wolf Brothers. (See Moore, Edward G., assignor.)
- Wolf Brothers. (See Wolf, Howard A.)
- Wolf, Charles, St. Louis, Mo. Steamboat ratchet. 1,971,472; Aug. 28.
- Wolf, Charles H., Philadelphia, Pa. Concrete floor construction. 1,964,899; July 3.
- Wolf, Clement W. (See Jackson, J. G., and Wolf.)
- Wolf Company, The. (See Keefer, Walter L., assignor.)
- Wolf Draperies Corp. (See Kahrmann, R. C., Wolf, and Bonander, assignors.)
- Wolf, Edward C., Mequon, Wis. Receptacle. 1,954,006; Apr. 10.
- Wolf, Elias, et al. (See Moore, Edward G., assignor.)
- Wolf, Elias, et al. (See Wolf, Howard A., assignor.)
- Wolf, Ellwood W. (See Corbin, E. A., Jr., and Wolf.)
- Wolf, Emil, Budapest, Hungary. 6,7-diethoxy-1-(3',4'-diethoxy-benzyl)-iso-quinoline. 1,962,224; June 12.
- Wolf, Emil, Budapest, assignor to firm: Chinoin Gyogyszer Es Vegyeszeti Termekek Gyara R. T./Dr. Kereszti & Dr. Wolf, Ujpest, Hungary. Tasteless basic aluminum acetyl-salicylate and producing same. 1,967,649; July 24.
- Wolf, Fred L., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire device. 1,978,830; Oct. 30.
- Wolf, Hans. (See Slama, F., and Wolf, assignors.)
- Wolf, Harry E., Pittsburgh, Pa. Boxing and ventilating means for mattresses and the like. 1,963,318; June 19.
- Wolf, Harry E., Pittsburgh, Pa. Mattress and making the same. 1,964,416; June 26.
- Wolf, Harry E., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Glider. 1,974,396; Sept. 18.
- Wolf, Harry G. (See Keefer, Walter L., assignor.)
- Wolf, Henry H., Cleveland, Ohio. Indexing device. 1,985,477; Dec. 25.
- Wolf, Herman B., Charlotte, N. C. Lightning arrester. 1,960,653; May 29.
- Wolf, Howard A., et al. (See Moore, Edward G., assignor.)
- Wolf, Howard A., et al. (See Wolf, Howard A., assignor.)
- Wolf, Howard A., assignor to L. H. A., and E. Wolf, copartners doing business as Wolf Brothers, Philadelphia, Pa. Method and apparatus for making paper bags. 1,979,721; Nov. 6.
- Wolf, John. (See Kahrmann, R. C., Wolf, and Bonander.)
- Wolf, Julius N., assignor to Schole Hats Incorporated, Philadelphia, Pa. Hat. 1,973,594; Sept. 11.
- Wolf, Louis, et al. (See Moore, Edward G., assignor.)
- Wolf, Louis, et al. (See Wolf, Howard A., assignor.)
- Wolf, Otto R., Oak Park, assignor to The Tribune Company, Chicago, Ill. Ink fountain for printing presses. 1,983,115; Dec. 4.
- Wolf, Paul B., et al. (See Byrd, James N., assignor.)
- Wolf, Peter, Cologne-Kalk, Germany. Machine for tying parcels by means of wire. 1,947,670; Feb. 20.
- Wolf, Robert B., New York, N. Y., R. S. Hatch, East Orange, and R. P. Hill, Glen Rock, N. J., assignors to International Bleaching Corporation, New York, N. Y. Bleaching paper pulp. 1,960,613; May 29.
- Wolf, Rudolf, St. Thomas, Virgin Islands. Rabbet plane. 1,980,737; Nov. 13.
- Wolf, William, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. Des. 91,448; Jan. 30.
- Wolf, William, assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. Des. 93,080; Aug. 14.
- Wolffard, Merl R., Cambridge, assignor to Hopewell Brothers, Watertown, Mass. Inlet manifold for internal combustion engines. 1,956,606; May 1.
- Wolfe, Arthur C., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Gas producer. 1,983,687; Dec. 11.
- Wolfe, Ernest H., assignor to C. De Witt, Detroit, Mich. Combination poker. 1,981,491; Nov. 20.
- Wolfe, Graff F. (See Vandergrift, William B., assignor.)
- Wolfe, Harry C., Pittsburgh, Pa. Cooking utensil and making it. 1,970,723; Aug. 21.
- Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Truck bolster. 1,957,570; May 8.
- Wolfe, Herbert J., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Adhesive. 1,983,650; Dec. 11.
- Wolfe, Howard E., Harrison, N. Y. Apparatus for the sale and purchase of articles. 1,967,046; July 17.
- Wolfe, Hubert A. (See Kerr, R. M., and Wolfe, assignors.)
- Wolfe, John W., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,975,817; Oct. 9.
- Wolfe, Ralph A. (See Duffenback, O. S., and Wolfe.)
- Wolfe, Roswell J., and P. W. Smith, assignors to General Railway Signal Company, Rochester, N. Y. Automatic train control system. 1,969,056; Aug. 7.
- Wolfe, Walter G., Greenwood, assignor to Wilmot R. Evans, trustee, Boston, Mass. Lens system. 1,980,147; Nov. 6.
- Wolfe, William D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Media for regenerating viscose. 1,948,323; Feb. 20.
- Wolfe, William E., Dante, Va. Rail bond. 1,985,806; Dec. 25.
- Wolfe, Winborn W., Detroit, assignor to Sherer-Gillett Company, Marshall, Mich. Rack. 1,975,651; Oct. 2.

- Wolfeld, Benjamin, New York, N. Y. Milk bottle lock. 1,951,227; Mar. 13.
- Wolfeit, Curt, Inc. (See Bender, Arthur, assignor.)
- Wolfeit, Curt, Inc. (See Jager, William, assignor.)
- Wolfeit, Edward R., Wilkensburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage compensator. 1,963,186; June 19.
- Wolfe, Otto, Darmstadt, Germany. Process for the manufacture of ether-derivatives of 1-benzyl-3-methyl-isoquinoline. 1,941,647; Jan. 2.
- Wolff, Alfred, New York, N. Y. Ornamenting fabrics. 1,952,901; Mar. 27.
- Wolff, Claude G. (See Downing, F. G., Clarkson, and Wolff.)
- Wolff, Franz, Berlin-Nikolassee, Germany. Dashpot for time lag relay. 1,942,040; Jan. 2.
- Wolff, Friedrich, assignor to the firm Selas Aktiengesellschaft, Berlin, Germany. Oil burner. 1,975,033; Sept. 25.
- Wolff, Hans. (See Schröter, K., and Wolff.)
- Wolff, Hugo, Mannheim-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the benzanthrone acridine series and making them. 1,973,787; Sept. 18.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Radio receiving apparatus and the like. 1,953,523; Apr. 3.
- Wolff, Ivan, New York, N. Y. Rail joint. 1,975,816; Oct. 9.
- Wolff, Jesse, East Spokane, Wash. Lens take-up device. 1,951,639; Mar. 20.
- Wolff, Lewis E. (See Greenwald, P., and Wolff.)
- Wolff, Lionel A. (See Corcoran, T. D., and Wolff.)
- Wolff, Matthew, Oakland, Calif. Steel check valve and valve seat. 1,953,547; Apr. 3.
- Wolff, Oscar, Chicago, Ill. Molding rectangular boned meat. 1,981,889; Nov. 27.
- Wolff, Otto E., New York, N. Y. Brake for airplane landing gear. 1,982,617; Nov. 27.
- Wolff, Robert A. (See Hutchinson, I. K., and Wolff.)
- Wolff, Saul K., Long Beach, N. Y. Exerciser. 1,954,762; Apr. 10.
- Wolff-Tober Shoe Manufacturing Company. (See McClellan, George, assignor.)
- Wolff, Walter. (See Dunkel, M., Breuers, and Wolff.)
- Wolffgram, Herman A., Fulton, Ky. Burglar alarm switch. 1,974,592; Sept. 25.
- Wolfford, Ray H. (See Sporn, P., and Wolford.)
- Wolfram, Arthur, Frankfurt-on-the-Main-Rodelheim, L. Schönligh, Frankfurt-on-the-Main-Hochst, and E. Hausdörfer, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New process of preparing arylacetic acids and new product obtainable thereby. 1,951,686; Mar. 20.
- Wolfram, Arthur, Frankfurt-on-the-Main-Rodelheim, and E. Hausdörfer, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthraquinone dyestuff and obtaining same. 1,980,025; Nov. 6.
- Wolfson, David, Far Rockaway, N. Y., assignor to F. W. Storck, Arlington, Mass. Method and apparatus for multiplying records. 1,957,483; May 8.
- Wolfson, Jacob, Brooklyn, N. Y., assignor to National Oil Products Company, Harrison, N. J. Defoaming. 1,957,513; May 8.
- Wolfson, Jacob, Irvington, assignor to National Oil Products Company, Harrison, N. J. Defoamed product. 1,957,514; May 8.
- Wolfson, Louis C., New York, N. Y. Vanity case. 1,948,086; Feb. 20.
- Wolfson, Sidney L., assignor to The Cuno Engineering Corporation, Meriden, Conn. Electric cigar lighter. 1,980,157; Nov. 6.
- Wolhaupter, David P., Washington, D. C., assignor to The Rail Joint Company, New York, N. Y. Railway rail. 1,970,588; Aug. 21.
- Wolkenhauer, Gustav, assignor, by mesne assignments, to Visual Display, Inc., Chicago, Ill. Displaying substances. 1,944,050; Jan. 16.
- Wollaeger, Erich C., Cleveland, Ohio, assignor to The Oil-gear Company, Milwaukee, Wis. Electrode control. 1,953,454; Apr. 3.
- Wollenberg, Harry L., San Francisco, Calif., assignor to Longview Fibre Company, Longview, Wash. Chemical treatment process for pulp manufacture. 1,982,130; Nov. 27.
- Wollensak, Andrew. (See Ernst, V. C., and Wollensak.)
- Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Folding berth. 1,945,875; Feb. 6.
- Wolman, Karl H., Berlin-Grunewald, Germany. Preservative for wood. 1,957,872; May 8.
- Wolman, Karl H., Berlin-Grunewald, and H. Pfug, Berlin-Wilmersdorf, assignors to Grubenholzimpragnierung G. m. b. H., Berlin, Germany. Wood preservative. 1,957,873; May 8.
- Wolochow, David, Ottawa, Ontario, Canada. Producing molded compositions from asbestos. 1,962,577; June 12.
- Wolpert, Frederick S., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 1,980,242; Nov. 13.
- Wolter, Herman H. (See Doane, L. C., and Wolter.)
- Wolters, Carl F., Buffalo, N. Y. Visible card index cabinet. Des. 93,860; Nov. 13.
- Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Desk. 1,942,387; Jan. 2.
- Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Filing cabinet. 1,943,997; Jan. 16.
- Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Ledger tray. 1,948,451; Feb. 20.
- Wolters, Carl F., Marietta, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Filing cabinet. 1,953,900; Apr. 3.
- Wolters, Otto. (See Wolters, O., and Höper, assignors.)
- Wolters, Otto, Magdeburg, and K. Höper, Berlin-Charlottenburg, assignors to O. Wolters, Magdeburg, Germany. Keyboard operated signal storage device. 1,962,375; June 12.
- Wolverine Brass Works. (See Cornelius, Louis A., assignor.)
- Wolverine Carton Company. (See Spees, Russell H., assignor.)
- Wolverine Supply and Manufacturing Company. (See Barnum, Howard N., assignor.)
- Wolverine Tube Company. (See Paugh, Charles T., assignor.)
- Wolvin, Roy M. (See Robinson, Joseph, assignor.)
- Womack, John W. (See Maxwell, Emmett, assignor.)
- Womeldorf, Francis M., assignor to S. A. Jones, sr., S. A. Jones, jr., and H. D. Kenyon, Norwich, N. Y. Spool covering machine. 1,970,506; Aug. 14.
- Wommer, Howard G., assignor to Keystone Reamer & Tool Company, Millersburg, Pa. Valve seat grinding tool. 1,963,040; June 12.
- Wömpner, Fritz, Geroldsdgrun, Oberfranken, Germany. Slide rule. 1,942,349; Jan. 2.
- Wonder Hoe Company. (See Lee, John E., assignor.)
- Wonder Specialties, Inc. (See Comstock, James A., assignor.)
- Wonderful Development Co. (See McKenna, Hugh H., assignor.)
- Wondra, Paul, Little Ferry, N. J. Automobile mud guard. 1,965,756; July 10.
- Wonsowicz, George, Cheektowaga, N. Y. Curtain fixture. 1,951,115; Mar. 13.
- Wooch, Herbert J., assignor to Super Mold Corporation, Lodi, Calif. Machine for backing sheet rubber. 1,957,518; May 8.
- Wooch, Herbert J., assignor to Super Mold Corporation, Lodi, Calif. Securing a reinforcing liner in a tire. 1,980,563; Nov. 13.
- Wooch, Walter R. J., assignor to Super Mold Corporation, Lodi, Calif. Inner heating device for retreading molds. 1,984,909; Dec. 18.
- Wood, Albert, London, England. Reflecting sign for roads and streets. 1,959,090; May 15.
- Wood, Alexander. (See Gibson, G. R., and Wood.)
- Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Fabricated dynamo-electric machine. 1,968,582; July 31.
- Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Fabricated dynamo-electric machine. 1,980,026; Nov. 6.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feed-wheel stop for buttonhole sewing machines. 1,955,994; Apr. 24.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-clamp for buttonhole sewing machines. 1,971,363; Aug. 28.
- Wood, Andrew C., assignor to Vortex Cup Company, Chicago, Ill. Cup for confectionaries. 1,964,238; June 26.
- Wood, Andrew M. (See Jurrissen, A. W., Cox, and Wood.)
- Wood, Andrew M., Miri, Sarawak, Borneo. Cracking of petroleum vapors. 1,980,462; Nov. 13.
- Wood, C. D., Electric Company, Inc. (See Wood, Cornelius D., assignor.)
- Wood, Charles B., assignor to Carbon Products Co., Inc., Los Angeles, Calif. Forming a fuel briquette. 1,977,332; Oct. 16.
- Wood, Charles D., North Bend, British Columbia, Canada. Collapsible garment hanger. 1,955,995; Apr. 24.
- Wood, Charles D., & Sons, Inc. (See Wood, Harry L., assignor.)
- Wood, Charles E., Highland, N. Y. Tire spreader. 1,954,031; Apr. 10.
- Wood, Charles G., assignor to Simplex Paper Corporation, Adrian, Mich. Package liner. 1,978,851; Oct. 30.
- Wood Chemical Products Company. (See Harris, Raymond B., assignor.)
- Wood, Clarence G. (See Ferguson, G. L., and Wood.)
- Wood, Clarence G., Cleveland, Ohio. Clutch plate. 1,963,187; June 19.
- Wood, Clarence G., Cleveland, Ohio. Clutch plate. 1,963,188; June 19.
- Wood, Clarence G., Cleveland, Ohio. Clutch plate. 1,977,368; Oct. 16.
- Wood, Clarence G., assignor of one-half to The Columbia Axle Company, Cleveland, Ohio. Torque absorbing device. 1,942,677; Jan. 9.
- Wood, Clyde W., Stockton, Calif. Transmission. 1,961,809; June 5.
- Wood Conversion Company. (See Corlette, D. H., and Lee, assignors.)
- Wood Conversion Company. (See Spafford, Allen L., assignor.)

- Wood, Cornelius D., Brooklyn, assignor to C. D. Wood Electric Company, Inc., New York, N. Y. Lighting device. 1,977,105; Oct. 16.
- Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 1,954,340; Apr. 10.
- Wood, Edwin C., East Orange, N. J. Lettering brush. 1,968,062; July 31.
- Wood, Edwin C., East Orange, N. J. Outfit for lettering. 1,973,364; Sept. 11.
- Wood, Eugene O., and J. W. Zuch, Fort Worth, Tex., assignors to New Service Manufacturing Corporation. Fruit and vegetable display stand. 1,950,204; Mar. 6.
- Wood, Frank S., Quincy, Mass. Making safety paper. 1,964,791; July 3.
- Wood, Frank S., Quincy, assignor to Inkset Safety Paper Company, Boston, Mass. Protective liquid composition for writing paper. 1,951,076; Mar. 13.
- Wood, Frank T., assignor to American Bank Note Company, New York, N. Y. Machine for printing postage stamps. 1,965,757; July 10.
- Wood, Frederick A., Shepherds Bush, London, England. Footwear. Re19,407; Dec. 25.
- Wood, Frederick P., Adrian, Mich., assignor, by mesne assignments, to Rice, Trew & Rice Company, Biglerville, Pa. Packing fruit. 1,962,886; June 12.
- Wood, Frederick W., Colwyn, assignor to The J. G. Brill Company, Philadelphia, Pa. Adjustment for seat backs. 1,970,480; Aug. 14.
- Wood, Galen. (See Van Allen, F. L., and King, assignors.)
- Wood, Garfield A. (See Jerome, Horace M.)
- Wood, Garfield A., Algonac, Mich. Gyroscope control. 1,942,737; Jan. 9.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments to International Business Machines Corporation, New York, N. Y. Knife sharpener. 1,944,702; Jan. 23.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Clamp for slicers. 1,954,032; Apr. 10.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scraper. 1,957,190; May 1.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Meat slicer clamp. 1,957,191; May 1.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sharpener. 1,962,755; June 12.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,972,254; Sept. 4.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Slicing machine. 1,974,939; Sept. 25.
- Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale. 1,974,940; Sept. 25.
- Wood, Harry L., Lakewood, assignor to Charles D. Wood & Sons, Inc., Cleveland, Ohio. Folding machine. 1,982,848; Dec. 4.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder protecting device. Re19,408; Dec. 25.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic compensator for paper rolls. 1,942,504; Jan. 9.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Roll support shifting device. 1,945,670; Feb. 6.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate-locking mechanism. 1,945,671; Feb. 6.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder protecting device. 1,951,590; Mar. 20.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper roll stand. 1,957,121; May 1.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper roll stand. 1,957,122; May 1.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web change device. 1,960,767; May 29.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Supporting web rolls and the like. 1,967,647; July 24.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Magazine reel. 1,967,648; July 24.
- Wood, Henry A. W., assignor to The Wood Newspaper Machinery Corporation, New York, N. Y. Multiple unit printing press. 1,970,929; Aug. 21.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press. 1,972,506; Sept. 4.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multi-color printing press. 1,972,507; Sept. 4.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Speed controlling device for web rolls. 1,973,363; Sept. 11.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper piercing device. 1,985,755; Dec. 25.
- Wood, Henry H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Dressing roll. 1,953,146; Apr. 3.
- Wood Hydraulic Hoist & Body Company. (See Barrett, Edward R., assignor.)
- Wood Hydraulic Hoist & Body Company. (See Jerome, Horace M., assignors.)
- Wood, John, Manufacturing Company. (See Dougherty, Robert J., assignor.)
- Wood, John, Manufacturing Company. (See Paige, Arthur E., assignor.)
- Wood, John, Manufacturing Company. (See Snow, Alfred T., assignor.)
- Wood, John, Manufacturing Company. (See Strong, Archie H., assignor.)
- Wood, John, Manufacturing Company. (See Winter, Joseph W., assignor.)
- Wood, John E., Eltham, England, assignor to The Superheater Company, New York, N. Y. Steam generating and superheating installation. 1,973,365; Sept. 11.
- Wood, John T., Sale, England, Apparatus for feeding predetermined different weights of molten glass. 1,955,869; Apr. 24.
- Wood, John W., Buffalo Ridge, Va. Applying and removing tool. 1,949,343; Feb. 27.
- Wood, Joseph D., Bethlehem, Pa., assignor to Roller-Smith Company. Circuit breaker. 1,974,525; Sept. 25.
- Wood, Louis L. (See Hoover, G. W., and Wood.)
- Wood, Morris B., assignor to The Chase-Shawmut Company, Newburyport, Mass. Electric fuse and fuse receptacle. 1,956,337; Apr. 24.
- Wood, N. Preston. (See McClure, Jack, assignor.)
- Wood Newspaper Machinery Corporation. (See Hancock, George E., assignor.)
- Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
- Wood Newspaper Machinery Corporation. (See Roesen, O. C., and Tornberg, assignors.)
- Wood Newspaper Machinery Corporation. (See Tollison, Paul L., assignor.)
- Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)
- Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
- Wood, Reginald H., Albany, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Record control for recording machines. 1,945,716; Feb. 6.
- Wood, Reginald S. V., Denver, Colo. High tension cutouts. 1,955,571; Apr. 17.
- Wood, Robert H., guardian. (See Wood, Rodney J., incompetent.)
- Wood, Robert O., assignor to Eastman Kodak Company, Rochester, N. Y. Coloring organic cellulose ester plastics. 1,966,327; July 10.
- Wood, Robert O., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of iron oxide pigment. 1,979,595; Nov. 6.
- Wood, Robert T., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 1,924,041; Jan. 2.
- Wood, Robert T., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Coating. 1,968,922; Aug. 7.
- Wood, Robert T., Lakewood, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Die lubricant. 1,946,121; Feb. 6.
- Wood, Rodney J., incompetent, by R. H. Wood, guardian, Dayton, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Filing tray. 1,981,795; Nov. 20.
- Wood, Russell A., Cambridge, Mass. Luminaire. 1,948,555; Feb. 27.
- Wood Shovel & Tool Company, The. (See Wood, William W., 3d, assignor.)
- Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Hydraulic wheel feeding mechanism. 1,969,997; Aug. 14.
- Wood, Walter. (See Camerota, Louis A., assignor.)
- Wood, Walter. (See Creek, J. O., and Wood, assignors.)
- Wood, Walter A., assignor to Handy Governor Corporation, Detroit, Mich. Air filter. 1,951,956; Mar. 20.
- Wood, Wilbert C., Toronto, Ontario, Canada. Grinding mill. 1,942,528; Jan. 9.
- Wood, William Henry, Toronto, Ontario, Canada. Take-off device for aeroplanes. 1,973,835; Sept. 18.
- Wood, William W., 3d, assignor to The Wood Shovel & Tool Company, Piqua, Ohio. Metal-and-wood shovel handle. 1,984,560; Dec. 18.
- Wood, William W., and F. W. Lutz, assignors to Visomatic Systems, Inc., New York, N. Y. Film tensioning and positioning device for photographic projectors. 1,956,938; May 1.
- Wood, William W., New York, and F. W. Lutz, Floral Park, N. Y., assignors to Visomatic Systems, Inc. Combination phonograph and picture projector. 1,964,446; June 26.

- Woodall-Duckham (1920) Limited. (See Kent, Arthur T., assignor.)
- Woodall-Duckham (1920) Limited. (See Symington, Scott, assignor.)
- Woodall, Herbert J., Detroit, Mich. Laminated panel and fabrication. 1,945,717; Feb. 6.
- Woodall, Herbert J., assignor to Woodall Industries, Incorporated, Detroit, Mich. Display cabinet. 1,949,508; Mar. 6.
- Woodall, Herbert J., assignor to Woodall Industries, Incorporated, Detroit, Mich. Laminated panel. 1,963,393; June 19.
- Woodall, Herbert J., assignor to Woodall Industries Incorporated, Detroit, Mich. Trim panel. 1,979,131; Oct. 30.
- Woodall, Herbert J., and M. S. Randall, assignors to Woodall Industries Incorporated, Detroit, Mich. Automobile closed body construction. 1,963,392; June 19.
- Woodall Industries, Incorporated. (See Woodall, Herbert J., assignor.)
- Woodall Industries Incorporated. (See Woodall, H. J., and Randall, assignors.)
- Woodall Industries Incorporated. (See Zinser, Paul R., assignor.)
- Woodapple, William, assignor of one-fourth to Patrick Shearon, Tarentum, Pa. Check lock. 1,974,788; Sept. 25.
- Woodard, Hugh E. (See McReynolds, William E., assignor.)
- Woodberry, David L., Baltimore, Md., assignor to Secretary of War of the United States of America. Fuse for bombs. 1,959,401; May 22.
- Woodbridge, Howard C. (See Needham, R., and Woodbridge.)
- Woodbridge, Howard C., Rochester, N. Y. Mechanical stoker. 1,957,304; May 1.
- Woodbridge, Howard C., Rochester, N. Y., assignor to The Standard Stoker Company, Incorporated. Mechanical stoker. Re19,336; Oct. 2.
- Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Vent plug for a container containing a liquid. 1,942,630; Jan. 9.
- Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Apparatus for maintaining the proper liquid level in the cells of a storage battery. 1,967,800; July 24.
- Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Charging system for storage batteries. 1,967,801; July 24.
- Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Sprayed metal case for a storage battery. 1,983,507; Dec. 4.
- Woodbury, Clifford A. (See Johnson, N. G., and Woodbury.)
- Woodbury, Clifford A. (See Lewis, H. A., and Woodbury.)
- Woodbury, Clifford A., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition and making. 1,944,910; Jan. 30.
- Woodbury, Clifford A., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 1,964,755; July 3.
- Woodbury, Clifford A., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 1,965,731; July 10.
- Woodbury, Orpheus L., Wenham, Mass. Calculating apparatus. 1,973,192; Sept. 11.
- Woodcock, Byron E., Scranton, Ohio. Automobile map mileage indicator. 1,942,130; Jan. 2.
- Woodcock, Reginald B., and H. Boothroyd, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,944,311; Jan. 23.
- Woodcock, William J. (See Gaillard, M. T., and Woodcock.)
- Woodcraft Corporation, The. (See Camp, Clifford B., assignor.)
- Wooddell, Charles E., assignor to The Carborundum Company, Niagara Falls, N. Y. Coated article. 1,966,473; July 17.
- Wooddell, Fred L., Kansas City, Mo. Toast holder. 1,981,016; Nov. 20.
- Wooden, Earle M. (See Frederick, T. G., and Wooden.)
- Woodeson, William A., Gateshead-on-Tyne, England. Burner for the firing of furnaces. 1,979,784; Nov. 6.
- Woodford, Joe C., assignor to Service Station Equipment Company, Bryan, Ohio. Apparatus for supplying air under pressure. Re19,148; Apr. 24.
- Woodford, Joseph C., Ardmore, assignor to Service Station Equipment Company, Conshohocken, Pa. Fluid dispensing apparatus. 1,950,833; Mar. 13.
- Woodford, Joseph C., Ardmore, assignor to Service Station Equipment Company, Conshohocken, Pa. Fluid dispensing apparatus. 1,980,148; Nov. 6.
- Woodford, Joseph C., Haverford, assignor to Service Station Equipment Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,973,677; Sept. 11.
- Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of paper tubes. 1,943,501; Jan. 16.
- Woodhead, Daniel. (See Kollath, Francis C., assignor.)
- Woodhead, Henry A., Graniteville, S. C. Method and apparatus for treating cloth. 1,982,720; Dec. 4.
- Woodhead, Horace G., and W. M. Williams, assignors to B. F. Gump Co., Chicago, Ill. Coffee cutting machine. 1,973,836; Sept. 18.
- Woodhouse, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carboxylic acids. 1,946,254; Feb. 6.
- Woodhouse, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carboxylic acids. 1,946,256; Feb. 6.
- Woodhouse, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of methyl ether. 1,949,344; Feb. 27.
- Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of catalysts. 1,959,189; May 15.
- Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydrogen. 1,960,886; May 29.
- Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydrogen. 1,968,063; July 31.
- Woodhouse, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Processing alcohols. 1,979,303; Nov. 6.
- Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,518; Nov. 6.
- Woodhouse, John C., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 1,979,519; Nov. 6.
- Woodhull, Llewellyn S., assignor to Briggs Manufacturing Company, Detroit, Mich. Refrigerator leg. 1,950,710; Mar. 13.
- Woodin, Walter E., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Hinge. 1,969,057; Aug. 7.
- Woodings-Verona Tool Works. (See McComb, Richard J., assignor.)
- Woodley, Minnie, Dallas, Tex. Reader's line guide. 1,977,931; Oct. 23.
- Woodling, George V., Wilkesburg, Pa. Electric plug. 1,965,681; July 10.
- Woodman, Francis N., Clinton, G. W. Nelson, Worcester, and H. Smith, Clinton, Mass., assignors to Wickwire Spencer Steel Company, New York, N. Y. Unit type radiator cabinet. 1,962,225; June 12.
- Woodman, Frank, Clinton, Mass., assignor to E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Wire fabric and manufacture. 1,947,688; Feb. 20.
- Woodman, George A., Chicago, Ill. Journal box. 1,983,724; Dec. 11.
- Woodrow, Charles A., Schenectady, N. Y., assignor to General Electric Company. Protection of electric systems. 1,973,242; Sept. 11.
- Woodruff, Frank O. (See Beckwith, H. H., and Woodruff.)
- Woodruff, Frank O., Newton, assignor, by mesne assignments, to Beckwith Manufacturing Company, Boston, Mass. Artificial leather manufacture. 1,945,173; Jan. 30.
- Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Refrigerator shipping container for container cars. 1,952,348; Mar. 27.
- Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Refrigerator container for container cars. 1,967,277; July 24.
- Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Freight container car. 1,969,391; Aug. 7.
- Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Refrigerator container for container cars. 1,980,738; Nov. 13.
- Woodruff, Henry S., Schenectady, N. Y., assignor to General Electric Company. Centrifugally actuated clutch. 1,947,632; Feb. 20.
- Woodruff, Jacob W., Cleveland, Ohio. Clip. 1,981,296; Nov. 20.
- Woodruff, John C., and G. Bloomfield, Terre Haute, Ind., and I. J. Krichma, Baltimore, Md., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of organic acids. 1,946,419; Feb. 6.
- Woodruff, Joseph W., Elizabeth, N. J. Grease pumping apparatus. 1,943,102; Jan. 9.
- Woodruff, Maurice D., W. H. Mechlin, and J. Markley, assignors to The Bauer Brothers Company, Springfield, Ohio. Cooling apparatus. 1,958,291; May 8.
- Woodruff, Walter N., Farragut, Iowa. Canvas belt slat protector. 1,945,843; Feb. 6.
- Woods, Al H. (See Pask, Stanley J., assignor.)
- Woods, Clarence I., Hollywood, Calif. Butter-dispensing machine. 1,973,423; Sept. 11.
- Woods, Edward F. (See Kenney, Charles H., assignor.)
- Woods, Edward F., Oakland, Calif. Stripe painting machine. 1,946,260; Feb. 6.
- Woods, Edward F., Oakland, Calif. Dry line marker. 1,965,483; July 3.
- Woods, Fred, Richmond, England, assignor to Radio Corporation of America. Directional receiver. 1,955,267; Apr. 17.
- Woods, Fred, Richmond, England, assignor to Radio Corporation of America. Radio direction finder. 1,956,369; Apr. 24.
- Woods, John, Montreal, Quebec, Canada. Adjustable plumb. 1,957,123; May 1.
- Woods, John H., Lynbrook, N. Y., assignor to R. D. Lillibridge, Greenwich, Conn. Safety razor. 1,985,132; Dec. 18.

- Woods, Joseph W., Company. (See Kahrman, Robert C., assignor.)
- Woods, Robert J., Jr., Atlanta, Ga. Road guard for highways. 1,953,207; Apr. 3.
- Woods, Robert J., Jr., Atlanta, Ga. Road guard for highways. 1,966,778; July 17.
- Woods, Samuel J., Newport, R. I. Triangle-protractor. 1,966,110; July 10.
- Woods, William J., Berkeley, Calif. Method and apparatus for refrigeration. 1,943,908; Jan. 16.
- Woods, William J., Schenectady, N. Y., assignor to General Electric Company. Double acting electrohydraulic operator. 1,970,517; Aug. 14.
- Woods-Humphery, George E., Chelsea, London, and H. L. Hall, Streatham, London, England. Sparking plug for internal-combustion engines. 1,943,674; Jan. 16.
- Woodsmall, Harry C., assignor to M. A. Woodsmall, Indianapolis, Ind. Universal grinder. 1,958,734; May 15.
- Woodsmall, Mary A. (See Woodsmall, Harry C., assignor.)
- Woodstock, Willard H., Chicago Heights, assignor to Victor Chemical Works, Chicago, Ill. Purification of phosphoric acid. 1,951,077; Mar. 13.
- Woodvine, John G. R., Shrewsbury, England. Steam generator with thermostatic control of the feed supply and heating. 1,960,654; May 29.
- Woodward, Alva W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Wheel and making it. 1,948,324; Feb. 20.
- Woodward, Alva W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Making vehicle wheels. 1,952,404; Mar. 27.
- Woodward, Alva W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vehicle wheel. 1,969,193; Aug. 7.
- Woodward, Alva W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Dual wheel. 1,981,639; Nov. 20.
- Woodward, Arthur C., Greensburg, Ind., Bandit alarm. 1,971,549; Aug. 28.
- Woodward, Arthur H., Winnetka, assignor to International Register Company, Chicago, Ill. Cutting means. 1,949,509; Mar. 6.
- Woodward, Arthur H., Winnetka, assignor to International Register Company, Chicago, Ill. Cutting means. 1,949,510; Mar. 6.
- Woodward, Arthur H., Winnetka, assignor to International Register Company, Chicago, Ill. Envelope letter. 1,954,971; Apr. 17.
- Woodward, Cornelius B., and R. B. Keefe, Chicago, and E. W. Colt, Glen Ellyn, assignors to Armour and Company, Chicago, Ill. Making ply-board. 1,976,055; Oct. 9.
- Woodward, Edward M., Largo, Fla. Bottle crate. 1,985,436; Dec. 25.
- Woodward, Frederick R., Attleboro, Mass., assignor to Gorham Mfg. Co., Providence, R. I. Spoon or similar article. Des. 92,789; July 10.
- Woodward, Harold E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 1,947,027; Feb. 13.
- Woodward, Harold E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes and their preparation. 1,947,028; Feb. 13.
- Woodward, Harold E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes and method for their preparation. 1,962,226; June 12.
- Woodward, Harry T., Crockett, assignor to California and Hawaiian Sugar Refining Corporation, Limited, San Francisco, Calif. Packing machine. 1,953,524; Apr. 3.
- Woodward, Hermon H., Troy, and A. H. Wright, Albany, assignors to Hall, Hartwell & Co., Inc., Troy, N. Y. Press. 1,975,674; Oct. 2.
- Woodward, John E., assignor to Messrs. Kastenhuber & Lehrfeld, New York, N. Y. Apparatus for making pen points. 1,959,014; May 15.
- Woodward, Lavater, Liberty, Tenn. Combination bolt and clinch pin. 1,951,228; Mar. 13.
- Woodward, Lawrence P., Evanston, assignor to W. Cherney, Chicago, Ill. Receipt envelope. 1,985,592; Dec. 25.
- Woodward, Marion H., Brooklyn, N. Y., assignor to International Communications Laboratories, Inc., Newark, N. J. Automatic transmission of synchronizing pulses. 1,944,586; Jan. 23.
- Woodward, Marion H., Brooklyn, N. Y., assignor to International Communications Laboratories, Inc., Newark, N. J. Telegraph system. 1,960,425; May 29.
- Woodward, Marion H., Springfield, and A. F. Connery, Brooklyn, N. Y., assignors to International Communications Laboratories, Inc., Newark, N. J. Telegraph system. 1,948,364; Feb. 20.
- Woodward, Oscar, Forest Hills, assignor to Remington Typewriter Company, Yonon, N. Y. Computing and type-writing machines. 1,963,285; June 19.
- Woodward, William H., Detroit, Mich. Collet chuck. 1,952,109; Mar. 27.
- Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,966,229; July 10.
- Woody, Guy V. (See Keatley, C. W., Woody, and Kear.)
- Woodward, Saunders B., assignor of one-half to L. W. Crawford, McKeesport, Pa. Combination square, level, and protractor. 1,972,122; Sept. 4.
- Woolbert, Charles. (See Parker, L. O., and Woolbert.)
- Woolbridge, Anna. (See Pratt, Thomas A., assignor.)
- Woolbridge, Mack. (See Le Bleu, Charles, assignor.)
- Woolbridge, Leslie F., Vancouver, British Columbia, Canada. Fountain pen. Des. 94,106; Dec. 18.
- Wooler, Gilmore, et al. (See Scheinfeld, Morris, assignor.)
- Woolf, William L., and L. B. Cornwell, New York, N. Y. Acoustic device. 1,962,374; June 12.
- Woolfe, William S., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 93,530; Oct. 2.
- Woolfenden, Frank J., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Fluid pressure regulator. 1,981,576; Nov. 20.
- Woolfolk, Arthur P., Pittsburgh, Pa., assignor to Standard Sanitary Manufacturing Company. Bathing fixture. 1,979,596; Nov. 6.
- Woolley, Edward N., Rochelle Park, N. J. Control for systems using liquid under pressure. 1,972,812; Sept. 4.
- Woolley, George. (See Hasse, C., and Woolley.)
- Woolley, Jed F., Jr., and L. J. Long, Salt Lake City, Utah. Trolley switch. 1,962,544; June 12.
- Woolley, Jed F., Jr., and L. J. Long, Salt Lake City, Utah. Trolley switch. 1,962,545; June 12.
- Woolley, Jed F., Jr., and L. J. Long, Salt Lake City, Utah. Electrically operated frog. 1,962,546; June 12.
- Woolley, Rew E., Shaker Heights, Ohio, assignor to Bailey Meter Company. Integrating mechanism. 1,953,328; Apr. 3.
- Woolman, Nelson E., Hermosa Beach, Calif., assignor to General Motors Research Corporation. Valve control mechanism. 1,955,844; Apr. 24.
- Woolsey, Charles A., Minneapolis, Minn. Real estate sign. Des. 94,063; Dec. 11.
- Woolsey, Charles A., and H. V. Bowman, Minneapolis, Minn., assignors to Hinsdale Manufacturing Company, Chicago, Ill. Toy football game. 1,951,838; Apr. 17.
- Woolsey, Charles A., and H. V. Bowman, assignors to Lincoln Equipment Company, Minneapolis, Minn. Crate. 1,953,776; May 15.
- Woolson, Emma F., executrix. (See Woolson, Lionel M.)
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,943,502; Jan. 16.
- Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Diesel engine. 1,949,556; Mar. 6.
- Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,951,854; Mar. 20.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,954,113; Apr. 10.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,954,163; Apr. 10.
- Woolson, Lionel M., deceased, Detroit, Mich., by E. F. Woolson, Bloomfield Village, executrix, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,960,362; May 29.
- Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, Bloomfield Village, executrix, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,972,467; Sept. 4.
- Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,978,333; Oct. 23.
- Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,982,721; Dec. 4.
- Wooster, Lyell J., assignor to James Heddon's Sons, Dowagiac, Mich. Fish bait body. Des. 93,369; Sept. 18.
- Wooster, Lyell J., assignor to James Heddon's Sons, Dowagiac, Mich. Fish bait body. Des. 93,370; Sept. 18.
- Wooster Products, Inc. (See MacNab, Oscar, assignor.)
- Wooster Products Inc. (See MacNab, O., Broido, Loehr, Barry, and Chamberlin, assignors.)
- Wooten, John E., assignor to W. M. Purvis, Little Rock, Ark. Box or container partition crate for bottles and other objects. 1,950,766; Mar. 13.
- Worcester Bank & Trust Company, executor. (See Midgley, Herbert.)
- Worcester Loom Works. (See Alvord, Charles C., assignor.)
- Worcester Pressed Steel Company, et al. (See Tuxbury, H. W., and Mowery, assignor.)
- Worcester Salt Company. (See Sheffield, W. K., and Dickson, assignors.)
- Worden, Edward C., 1st, Wyoming, Millburn Township, Essex County, N. J., assignor to Hanson & Orth, New York, N. Y. Utilizing purified musa fiber cellulose. 1,964,017; June 26.
- Worden, Edward C., 1st, Millburn Township, Essex County, N. J., assignor to Hanson & Orth, New York, N. Y. Manufacture of transparent sheets from musa fiber. 1,966,474; July 17.
- Worden, Edward C., 1st, Millburn Township, Essex County, N. J., assignor to Hanson & Orth, New York, N. Y. Utilizing purified musa fiber cellulose. 1,966,475; July 17.

- Worden, Edward C., 1st, Millburn, N. J., assignor to Hanson & Orth, New York, N. Y. Acetylating cellulose. 1,977,664; Oct. 23.
- Worden, Fulton C., New York, N. Y. Transmission mechanism. 1,985,359; Dec. 25.
- Worden, Jesse L., assignor to General Electric X-Ray Corporation, Chicago, Ill. Electron discharge device. 1,972,414; Sept. 4.
- Worden, R. B., Granger, Wash. Fish lure. 1,975,218; Oct. 2.
- Worden, William, Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 1,981,978; Nov. 27.
- Work, Harold K., Oakmont, Pa., assignor, by mesne assignments, to Aluminum Colors, Incorporated, Indianapolis, Ind. Coating aluminum. 1,965,682; July 10.
- Work, Harold K., Oakmont, Pa., assignor, by mesne assignments, to Aluminum Colors, Incorporated, Indianapolis, Ind. Coating aluminum. 1,965,683; July 10.
- Work, Harold K., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Coating. 1,965,684; July 10.
- Work, Harold K., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Coating for pistons. 1,975,818; Oct. 9.
- Work, Shirley A., Berkeley, Calif. Light structure. 1,955,042; Apr. 17.
- Working, Earl B., Tucson, Ariz., assignor to American Lecithin Corporation, Atlanta, Ga. Frying fat and method. 1,982,186; Nov. 27.
- Workman, Arnold R., Malverne, assignor to Doherty Research Company, New York, N. Y. Conversion of petroleum oils. 1,982,091; Nov. 27.
- Workman, Fred L., Kenilworth, Ill. Carbon assembling apparatus. 1,974,941; Sept. 25.
- World Bestos Corporation. (See Brockway, Carl P., assignor.)
- World Bestos Corporation. (See Nanfeldt, William, assignor.)
- Worley & Co. (See Worley, John, Jr., and Vreeland, assignors.)
- Worley, John, Jr., Pasadena, and E. L. Vreeland, Los Angeles, assignors to Worley & Co., Pico, Calif. Stool. 1,981,017; Nov. 20.
- Worlitz, Daniel E., Anamoose, N. Dak. Television apparatus. 1,978,288; Oct. 23.
- Wörner, Heinrich, Bischofsheim, assignor to Fichtel & Sachs A. G., Schweinfurt-on-the-Main, and Mecano G. m. b. H., Frankfurt-on-the-Main, Germany. Rotary shock absorber for power driven vehicles. 1,967,344; July 24.
- Wornick, Walter, Toledo, Ohio. Traffic governor. 1,969,286; Aug. 7.
- Wornick, Walter, Detroit, Mich. Shutter construction. 1,969,287; Aug. 7.
- Woroniecki, Stefan, Seattle, Wash. Collapsible box. 1,972,396; Sept. 4.
- Worrall, John H., assignor to Liberty Lace and Netting Works, New York, N. Y. Lace. Des. 91,308; Jan. 2.
- Worrall, Robert H., Washington, D. C. Horology system. 1,961,320; June 5.
- Worrall, Roy R. (See Alvey, J. M., and Worrall.)
- Worrall, Roy R., Webster Groves, assignor to Alvey Conveyor Manufacturing Company, St. Louis, Mo. Conveyor. 1,941,525; Jan. 2.
- Worrell, Dwight E. (See Arras, G., and Worrell.)
- Worsdall, Horace, Bedford, assignor to himself and J. C. and A. Harvey, London, England. Electrical mercury cut-out. 1,980,243; Nov. 13.
- Worster, Derwin W., Cleveland, Ohio. Aerial camera. Des. 92,882; July 31.
- Worth Company, The. (See Butterworth, Samuel D., assignor.)
- Worth Company, The. (See Friedlaender, Leo I., assignor.)
- Worth Company, The. (See Snyder, Clifford L., assignor.)
- Worth, Daniel B., Rochelle, Ill. Engine cooling system. 1,974,907; Sept. 25.
- Worth, Joseph, Newark, N. J. Electrical connection plug. Des. 92,140; May 1.
- Worth, Leo F., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drawer lining or the like. 1,941,922; Jan. 2.
- Worthen, Charles E. (See Clapp, J. K., and Worthen.)
- Worthington Ball Company, The. (See Miller, Thomas W., assignor.)
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 91,290; Jan. 2.
- Worthington, Everett, Chicago, Ill., assignor to Coca-Cola Company, Atlanta, Ga. Housing for coin-controlled mechanism. Des. 92,221; May 8.
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone instrument or the like. Des. 92,442; June 5.
- Worthington, Everett, Chicago, Ill., assignor to Coca-Cola Company, Atlanta, Ga. Refrigerator. Des. 92,638; June 26.
- Worthington, Everett, Chicago, Ill., assignor to Coca-Cola Company, Atlanta, Ga. Refrigerator. Des. 92,639; June 26.
- Worthington, Everett, Chicago, Ill., assignor to Waters-Genter Company, Minneapolis, Minn. Toaster. Des. 93,903; Nov. 20.
- Worthington, Harry M. (See Watkins, Samuel H., assignor.)
- Worthington, Herman S., Yardley, Pa., assignor to The American Steel and Wire Company of New Jersey. Method and apparatus for drawing wire. 1,963,456; June 19.
- Worthington Pump and Machinery Corporation. (See Barnaby, J. C., and Mathewson, assignors.)
- Worthington Pump and Machinery Corporation. (See Fleming, Wills M., assignor.)
- Worthington Pump and Machinery Corporation. (See Gilman, George H., assignor.)
- Worthington Pump and Machinery Corporation. (See Hirsch, Sylvan R., assignor.)
- Worthington Pump and Machinery Corporation. (See Klaiber, Frank L., assignor.)
- Worthington Pump and Machinery Corporation. (See Smith, William A., Jr., assignor.)
- Worthington Pump and Machinery Corporation. (See Smith, W. A., Jr., and Schorle, assignors.)
- Worthington Pump and Machinery Corporation. (See Woerner, William A., assignor.)
- Worthington, Wayne H., assignor of one-half to John Deere Tractor Company, Waterloo, Iowa, and one-half to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 1,958,735; May 15.
- Worthy Manufacturing Company. (See Heile, Harriet, assignor.)
- Wortley, Ralph S., Bedford, N. Y. Tank. 1,981,018; Nov. 20.
- Wortmann, Dietrich, Brooklyn, N. Y. Storage tank. 1,954,581; Apr. 10.
- Wortmann, Dietrich, Brooklyn, N. Y. Flame arrester for gasoline tanks. 1,974,091; Sept. 18.
- Wörtmann, Franz, assignor to Societe Anonyme des Ateliers de Secheron, Geneva, Switzerland. Welding rod. 1,953,382; Apr. 3.
- Woschke, Erich, Bronx, assignor to S. Kalner and K. Ahlbaum, New York, N. Y. Doll construction. 1,975,381; Oct. 2.
- Wostl, John, Hood River, Oreg. Finishing tool. 1,952,960; Mar. 27.
- Wotachek, Frank W., assignor of two-thirds to Lakeside Garage and Implement Company, Kewaunee, Wis. Tester for oil lines. 1,982,408; Nov. 27.
- Woytych, Raymond M., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Adjustment indicator. 1,965,167; July 3.
- Wrage, Emil, assignor to Globe Steel Tubes Company, Milwaukee, Wis. Machine for drawing and twisting tubes. 1,973,031; Sept. 11.
- Wragg, Charles A., Strand, London, England. Aircraft. 1,951,464; Mar. 20.
- Wray, Edwin P., White Salmon, Wash. Strawberry. Pl. Pt. 101; Aug. 7.
- Wray, James A., Los Angeles, Calif. Equalized multiple bearing swivel. 1,979,239; Oct. 30.
- Wrede, Franz, Berlin-Charlottenburg, Germany. Establishing secret communications. 1,945,014; Jan. 30.
- Wrede, Hans, Berlin-Dahlem, Germany, assignor to The Paterson Parchment Paper Company, Passaic, N. J. Manufacturing waterproof textiles, papers, cardboard, and pasteboards, and finished containers made from those. 1,981,405; Nov. 20.
- Wright Aeronautical Corporation. (See Carvell, Gustaf, assignor.)
- Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
- Wright Aeronautical Corporation. (See Kennedy, William D., assignor.)
- Wright Aeronautical Corporation. (See Leak, Arthur H., assignor.)
- Wright, Albert F. J., Walthamstow, England. Gramophone needle sharpener. 1,964,337; June 26.
- Wright, Alpha H. (See Woodward, H. H., and Wright.)
- Wright, Archibald F., South Orange, N. J. Method of and apparatus for conditioning air. 1,966,275; July 10.
- Wright, Arthur, Upper Montclair, N. J. Waste disposal. 1,980,244; Nov. 13.
- Wright, Arthur, Forest Hills, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Apparatus for copying gossamer films. 1,982,187; Nov. 27.
- Wright, Arthur, and F. W. Young, Upper Montclair, N. J. Filtration apparatus. Re19,137; Apr. 17.
- Wright Austin Company. (See McMullen, Donald R., assignor.)
- Wright, Carl, Ashtabula, assignor to The American Fork & Hoe Company, Geneva, Ohio. Forming shafts for golf clubs. 1,979,430; Nov. 6.
- Wright, Charles H., and B. H. Weekley, Shreveport, La., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for treating sheet glass. 1,972,965; Sept. 11.
- Wright-Dalton Machinery Company. (See Dalton, John T., assignor.)
- Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp. 1,967,852; July 24.
- Wright, Daniel K., and A. Greiner, Cleveland Heights, Ohio, assignors to General Electric Company. Seal for electric lamps and similar articles. 1,980,840; Nov. 13.

- Wright, David C., Euclid, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Safety motor controlling system. 1,958,404; May 8.
- Wright, De Coster, Inc. (See du Puy, Richard R., assignor.)
- Wright, Edwin C. (See Dunn, J. J., and Wright.)
- Wright, Edwin C., Ellwood City, Pa., assignor to National Tube Company. Piercing point. 1,963,319; June 19.
- Wright, Edwin C., Ellwood City, Pa., assignor to National Tube Company. Piercing point. 1,963,320; June 19.
- Wright, Edwin C., and D. N. Uebelhart, Ellwood City, Pa., assignors to National Tube Company. Piercing point. 1,951,078; Mar. 13.
- Wright, Fred S. (See Anderson, A. E., Cox, and Wright.)
- Wright, George, Oldham, England. Hand can opener. 1,969,868; Aug. 14.
- Wright, George Caleb. (See Pierre, E. D., and Wright.)
- Wright, George M., Chesterfield, and S. B. Smith, Chelmsford, England, assignors to Radio Corporation of America. Radio transmission and reception of pictures. 1,964,375; June 26.
- Wright, Gilbert, Granville Center, Mass., assignor of one-half to H. N. Stevenson, New Rochelle, N. Y. Internal combustion engine. 1,971,550; Aug. 28.
- Wright, Harry F. (See Dunn, I. L., Wright, and Crooks.)
- Wright, Hazelet N., Pennville, Ind. Adjustable furrow width controller hitch. 1,960,132; May 22.
- Wright, Helen E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bathing cap. Des. 92,443; June 5.
- Wright, Henry H., Upper Montclair, N. J., assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Container. 1,980,566; Nov. 13.
- Wright, Horace C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Automatic electric iron. 1,975,819; Oct. 9.
- Wright, Horace C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Mixing and juice extracting machine. 1,984,619; Dec. 18.
- Wright, Howard V. (See Oglesby, N. E., and Wright.)
- Wright, Irwin Gillem Branch, Ky. Internal combustion engine. 1,944,652; Jan. 23.
- Wright, Ivan B., Seattle, Wash., assignor of one-third to W. N. Hunt, San Francisco, Calif., and one-third to P. Wright, Seattle, Wash. Wire tying machine. 1,973,401; Sept. 11.
- Wright, James E., Long Beach, Calif. Steaming iron. 1,958,876; May 15.
- Wright, James F. (See Wright, Malcolm W. and J. F.)
- Wright, James L., Hamilton, Ontario, Canada. Combined display and vending stand for newspapers, periodicals, and the like. Des. 93,081; Aug. 14.
- Wright, James L., Hamilton, Ontario, Canada. Combined dispensing container and display stand. Des. 93,082; Aug. 14.
- Wright, James L., Hamilton, Ontario, Canada. Combined dispensing container and display stand. Des. 93,083; Aug. 14.
- Wright, James N., San Francisco, Calif. Safety razor box. 1,958,600; May 15.
- Wright, James R. (See Ralston, A. W., and Wright.)
- Wright, Jerauld, U. S. Navy. Navigating instrument. 1,984,390; Dec. 18.
- Wright, Jesse C., et al. (See Hopkins, Samuel R., assignor.)
- Wright, Jesse C., Los Angeles, assignor to Globe Oil Tools Company, Los Nietos, Calif. Device for use on a core barrel. 1,971,437; Aug. 28.
- Wright, Jesse C., Huntington Park, assignor to Globe Oil Tools Company, Los Nietos, Calif. Bit. 1,978,006; Oct. 23.
- Wright, John F., Jersey City, N. J. Dump body. 1,967,568; July 24.
- Wright, John W. (See Iddings, R. C., Bowman, and Wright.)
- Wright, John W., assignor to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,976,056; Oct. 9.
- Wright, Joseph. (See Goodyear, E. F., and Wright.)
- Wright, Joseph. (See Goodyear, E. F., Wright, and Trevasakis.)
- Wright, Joseph D., Iowa City, Iowa. Artificial bait for game fish. 1,978,875; Oct. 30.
- Wright, L. D. (See Cecil, Eugene L., assignor.)
- Wright, Leo L., Indianapolis, Ind., assignor to Chicago Faucet Company. Valve. 1,965,328; July 3.
- Wright, Leonard K., Jackson Heights, N. Y. Traffic-regulating device. 1,948,896; Feb. 27.
- Wright, Leonard K., Jackson Heights, N. Y. Making an adsorption agent. 1,963,818; June 19.
- Wright Machine Company. (See Wright, William C., assignor.)
- Wright, Malcolm W. and J. F.; said M. W. Wright assignor to A. C. Kinz, Chicago, Ill. Registering device. 1,970,873; Aug. 21.
- Wright, May E., Santa Barbara, Calif. Hose supporter. 1,954,553; Apr. 10.
- Wright and McGill Company. (See Wright, S. M., and McGill, assignors.)
- Wright, Nathan P., Canton, assignor to Republic Steel Corporation, Youngstown, Ohio. Roof decking. 1,969,918; Aug. 14.
- Wright, Neal, Eau Claire, assignor of one-half to W. Wright, Green Bay, Wis. Bottle washer. 1,953,698; Apr. 3.
- Wright, Orville C., St. Louis, Mo. Fluid-pressure brake. 1,949,033; Feb. 27.
- Wright, Oscar E., assignor to The International Manufacturing Company, Cincinnati, Ohio. Lamp bulb mounting and connector. 1,975,820; Oct. 9.
- Wright, Parvin, et al. (See Wright, Ivan B., assignor.)
- Wright, Parvin, Los Angeles, Calif. Wire tying machine. 1,970,589; Aug. 21.
- Wright, Parvin, Seattle, Wash., assignor to The Gerrard Company, Inc., Chicago, Ill. Address tag. 1,944,387; Jan. 23.
- Wright, R. G., & Company. (See Maringer, Lawrence J., assignor.)
- Wright, Ross P., assignor to Reed Manufacturing Company, Erie, Pa. Pipe reamer. 1,955,447; Apr. 17.
- Wright, Russel, New York, N. Y., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Ice bowl. Des. 94,012; Dec. 4.
- Wright, Sidney, Brooklyn, N. Y. Street sign. 1,974,998; Sept. 25.
- Wright, Stanley M., and A. D. McGill, assignors to Wright and McGill Company, Denver, Colo. Fishing fly. Re-19,160; May 8.
- Wright, Stanley R., Bedford, England. Overload switch. 1,975,821; Oct. 9.
- Wright, Sumner. (See Mitchell, D., and Wright.)
- Wright, Sumner B., South Orange, N. J., and D. Mitchell, New York, N. Y., assignors to American Telephone and Telegraph Company. Echo suppressor. 1,951,465; Mar. 20.
- Wright, Sumner B., South Orange, D. Mitchell, Martinsville, and L. G. Abraham, Madison, N. J., assignors to American Telephone and Telegraph Company. Echo suppressor. 1,957,571; May 8.
- Wright, Sumner B., South Orange, N. J., and E. R. Taylor, New York, N. Y., assignors to American Telephone and Telegraph Company. Two-way telephone system. 1,973,595; Sept. 11.
- Wright, Thomas E., Jersey City, N. J. Dump body. 1,942,319; Jan. 2.
- Wright, Walter H. (See Aydelotte, C. J., Caverly, and Wright.)
- Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles County, Calif. Apparatus for projecting motion pictures. 1,949,892; Mar. 6.
- Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles County, Calif. Optical system. 1,949,893; Mar. 6.
- Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles, Calif. Film handling mechanism. 1,955,160; Apr. 17.
- Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles County, Calif. Film guide construction. 1,961,471; June 5.
- Wright, Walter L., Santa Monica, assignor to Synchrome Corporation, Los Angeles, Calif. Film-handling mechanism. 1,980,463; Nov. 13.
- Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Paper container. 1,943,306; Apr. 10.
- Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Hood cap for bottles and the like. 1,985,650; Dec. 25.
- Wright, William. (See Wright, Neal, assignor.)
- Wright, William C., assignor to Wright Machine Company, Granite Falls, N. C. Braiding machine. 1,952,007; Mar. 20.
- Wright, William D., Brockport, N. Y. Fruit packer. 1,951,957; Mar. 20.
- Wright, William D., Brockport, assignor to C. F. Robb, jr., Webster, N. Y. Bag filling machine. 1,957,874; May 8.
- Wright, William D., Brockport, assignor to C. F. Robb, jr., Webster, N. Y. Bag filling machine. 1,957,875; May 8.
- Wright, William D., Brockport, assignor to C. F. Robb, jr., Webster, N. Y. Bag filling machine. 1,960,859; May 29.
- Wright, William D., Brockport, assignor to C. F. Robb, jr., Webster, N. Y. Mechanism for bag filling and weighing machines. 1,983,427; Dec. 4.
- Wright, William E., assignor to The Food Processing Company, Philadelphia, Pa. Can. 1,982,602; Nov. 27.
- Wright, William H., Columbus, Ohio. Electric battery connection. 1,941,773; Jan. 2.
- Wright, William H., assignor to Schenectady Varnish Company, Inc., Schenectady, N. Y. Coating composition. 1,977,932; Oct. 23.
- Wrightsmen, John E., Los Angeles, Calif. Rear view mirror. 1,977,904; Oct. 23.
- Wrightsmen, Philip G., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive charge. 1,975,186; Oct. 2.
- Wrigley, Benjamin. (See Davies, B. S., and Wrigley.)
- Wrigley, Wm., Jr. Company. (See Johnson, A. E., and Lindsey, assignors.)
- Wrigley, Wm., Jr. Company. (See Ranney, W. B., Kappes, and Johnson, assignors.)
- Wrobley, Matthew B., Denver, Colo. Exercising apparatus. 1,952,830; Mar. 27.
- Wrobley, Matthew B., Denver, Colo. Exercising apparatus. 1,975,382; Oct. 3.
- Wroten, William J. M., Clayton, Del. Milk cooler. 1,979,785; Nov. 6.
- Wrye, William H., Philadelphia, Pa. Closure fastener. 1,958,652; May 15.
- Wuebling, Harry B., Cincinnati, Ohio. Adjustable astragal or the like. 1,948,017; Feb. 20.

- Wuebling, Harry B., Cincinnati, Ohio. Stabilizer for sliding closures. 1,983,959; Dec. 11.
- Wuerfel, Robert P., assignor to International Research Corporation, Ann Arbor, Mich. Wave repeating system. 1,975,441; Oct. 2.
- Wuerfel, William, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 1,965,623; July 10.
- Wuert, Alexander J., Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone derivative and preparing the same. 1,950,348; Mar. 6.
- Wuert, Alexander J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of halogenated benzoyl-amino-anthraquinone. 1,963,109; June 19.
- Wuest, Elmer T., Cincinnati, Ohio. Preparing machine. 1,980,841; Nov. 13.
- Wuest, George A., Hood River, Oreg. Fruit washing and drying machine. 1,951,046; Mar. 13.
- Wuest, Walter R., et al. (See Junkin, John C., assignor.)
- Wuidart, Paul, assignor to Societe Industrielle et Agricole de la Somme, Paris, France. Treatment of sugar juices. 1,957,876; May 8.
- Wulf, William. (See Marion, A. G., and Wulf.)
- Wulfert, Otto, assignor to Wagner Electric Corporation, St. Louis, Mo. Antifriction bearing. 1,958,378; May 8.
- Wulff, Carl, E. Roell, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of benzanthrene. 1,964,376; June 26.
- Wulff, Otto, Hofheim in Taunus, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing nitro-B-hydroxy pyridines. 1,957,089; May 1.
- Wulff Process Company. (See Wulff, Robert G., assignor.)
- Wulff, Robert G., assignor to Wulff Process Company, Los Angeles, Calif. Producing acetylene by compression of natural gas. 1,966,779; July 17.
- Wulfang, Harry E., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,953,147; Apr. 3.
- Wunderlich, William E., Muncie, Ind. Spring forming machine. 1,985,392; Dec. 25.
- Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Combined cutting and forming means. 1,976,686; Oct. 9.
- Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Spring assembly. 1,982,941; Dec. 4.
- Wünsch, Guido. (See Stein, T., and Wünsch.)
- Wünsch, Guido, Steglitz, near Berlin, Germany. Device for compensating a deflection of a control member which has been affected by a change in the impulse value. 1,959,889; May 22.
- Wünsch, Guido, Steglitz, near Berlin, Germany, assignor to Askania-Werke Akt. Ges. vorm. Centralwerkstatt Dessau and Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Method of and apparatus for regulating or governing physical conditions. Rel. 276; Aug. 14.
- Wünsch, Guido, Steglitz, near Berlin, assignor to Askania-Werke A.-G. vorm. Centralwerkstatt Dessau and Carl Bamberg, Friedenau, Berlin-Friedenau, Germany. Proportional gas meter. 1,944,339; Jan. 23.
- Wünsch, Guido, Berlin-Steglitz, Germany. High-power gas heating apparatus. 1,963,009; June 12.
- Wünsch, Guido, Berlin-Steglitz, assignor to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany. Liquid level control. 1,959,890; May 22.
- Wünsch, Guido, Berlin-Steglitz, assignor to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany. Mixing gas and air for high-power burners. 1,963,010; June 12.
- Wünsch, Guido, Berlin-Steglitz, assignor to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany. Apparatus for regulating the operation of conveyers. 1,982,564; Nov. 27.
- Wunsch, Karl. (See Carley, A., Schmidt, and Wunsch.)
- Wünsche, Otto, Berlin, Germany, assignor to General Electric Company. Damping device. 1,977,333; Oct. 16.
- Wupper, Benjamin F., Chicago, Ill. Game. 1,979,431; Nov. 6.
- Wupper, Benjamin F., assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,968,000; July 24.
- Wurdack, William, assignor to William Wurdack Electric Manufacturing Company, St. Louis, Mo. Automatic electric switch. 1,964,018; June 26.
- Wurdack, William, assignor to Wm. Wurdack Electric Manufacturing Company, St. Louis, Mo. Panel or switch box. 1,967,523; July 24.
- Wurdack, William. Electric Manufacturing Company. (See Wurdack, William, assignor.)
- Wurfschmidt, Hugo, New York, assignor to John G. Elbs, Rochester, N. Y. Abrading block. 1,946,562; Feb. 13.
- Würges, Oswald. (See Voss, J., and Würges.)
- Würker, G. m. b. H. (See Scheibel, K. G., and Bohmann, assignors.)
- Wurlitzer Grand Piano Company. (See Nelson, Reuben, assignor.)
- Wurst, Frank L. (See Daniels, E. G., and Wurst.)
- Wurster, Amy L., Philadelphia, Pa. Cravat holder. 1,982,188; Nov. 27.
- Wurster, Carl. (See Brode, J., and Wurster.)
- Wurtele, Allan R., New Roads, La. Internal combustion engine. 1,953,793; Apr. 3.
- Wurzbach, Hugh E., and C. H. Konold, Magna, Utah. Electromagnetic vibrating apparatus. 1,945,015; Jan. 30.
- Wurzbacher, Albert F. (See Connolly, G. C., and Wurzbacher.)
- Wutzke, Waldemar W., and J. J. Mitchell, Detroit, Mich., said Mitchell assignor to said Wutzke. Combination powder container and puff. 1,944,204; Jan. 23.
- Wyant, Ira A., Muskegon, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Applying flux. 1,977,220; Oct. 16.
- Wyant, Ira A., Muskegon, and C. W. Dake, Grand Haven, assignors to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich. Wheel hub and brake drum. 1,984,169; Dec. 11.
- Wyatt, Edwin M., Cleveland, Ohio, and K. Slidell, Madison, Wis., assignors to American Face Brick Research Corporation. Making building units. 1,956,607; May 1.
- Wyatt, James E., Sulphur Springs, Tex. Combination grass plow and cultivator. 1,956,186; Apr. 24.
- Wyckhoff, Alma D., Jersey City, N. J. Undergarment. 1,971,669; Aug. 28.
- Wyder, Ernst, Leimbach, Switzerland. Obtaining metals from siliceous rocks. 1,942,015; Jan. 2.
- Wyes, Chris, Tillamook, Oreg. Harrow tooth. 1,950,834; Mar. 13.
- Wyeth, John, & Brother, Incorporated. (See Bird, John C., assignor.)
- Wygodsky, Leon, Baltimore, Md. Food appliance. 1,953,982; Apr. 10.
- Wyland, John W., deceased, by W. C. Wyland, administrator, San Gabriel, Calif. Egg sizing machine by weight. 1,954,164; Apr. 10.
- Wyland, William C., administrator. (See Wyland, John W.)
- Wyllie, Joseph C., Glen Ridge, assignor to F. H. Lovell & Company, Arlington, N. J. Water tight receptacle and plug. 1,977,106; Oct. 16.
- Wythe, Laurence, and J. V. Lamson, Seattle, Wash. Lubrication. 1,949,441; Mar. 6.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Safety device. 1,960,259; May 29.
- Wyman-Gordon Company. (See Damerell, Mark H., assignor.)
- Wymer, Floyd. (See Ross, D. E., and Wymer, assignors.)
- Wynd, John, Tarentum, Pa., assignor to Duplate Corporation. Fitting form for glass plates. 1,946,377; Feb. 6.
- Wyndham, John H., Godalming, England. Automobile hand brake and other lever. 1,975,492; Oct. 2.
- Wyner, Felix, New York, and E. Schulz, Flushing, assignors to Samuel Briskman, New York, N. Y. Making pinking shears. 1,959,190; May 15.
- Wyner, Felix, New York, and E. Schulz, Flushing, assignors to S. Briskman, New York, N. Y. Pinking shears. 1,965,443; July 3.
- Wynn, John, Jr., Canton, Ohio. Mechanical stoker. 1,956,939; May 1.
- Wynne, Charles H. L., E. W. Knott, and A. C. Miller, Tyseley, Birmingham, England, assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 1,978,660; Oct. 30.
- Wynne, Robert J., Bellwood, assignor to I. D. Porter, River Forest, Ill. Bottle handling mechanism. 1,981,684; Nov. 20.
- Wynne, Robert J., and P. H. Meyer, Bellwood, assignors to Solar-Sturges Mfg. Co., Melrose Park, Ill. Conveyor chain. 1,966,659; July 17.
- Wynne, Robert J., and P. H. Meyer, Bellwood, assignors to Solar-Sturges Mfg. Co., Melrose Park, Ill. Caustic supply means for washing solutions. 1,970,788; Aug. 21.
- Wynne, Thomas N., and A. E. Klingsmith, Indianapolis, Ind. Cooled furnace wall. 1,955,996; Apr. 24.
- Wyodak Chemical Company, The, et al. (See Denning, Paul S., assignor.)
- Wyrick, Clayton E., assignor to Wyrick Engineering Company, Wyandotte, Mich. Automatic compensator for wear and lost motion. 1,966,780; July 17.
- Wyrick, Clayton E., assignor to Wyrick Engineering Company, Wyandotte, Mich. Automatic compensator for wear and lost motion. 1,966,781; July 17.
- Wyrick Engineering Company. (See Wyrick, Clayton E., assignor.)
- Wyss, George, Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Electrical coil. 1,953,035; Mar. 27.
- Xiques, Frank W., Port Richmond, Staten Island, N. Y. Crib attachment for beds. 1,964,282; June 26.
- Xylos Rubber Company, The. (See Gross, Russell R., assignor.)
- Xylos Rubber Company, The. (See MacFarlane, Walter C., assignor.)
- Yaffe, Charles D., El Paso, Tex. Nut cracker. 1,969,194; Aug. 7.
- Yager, George F., assignor to The Bunting Brass and Bronze Company, Toledo, Ohio. Broaching machine. 1,962,674; June 12.
- Yager, George F., assignor to The Bunting Brass and Bronze Company, Toledo, Ohio. Grinding machine. 1,966,194; July 10.
- Yager, George F., assignor to The Bunting Brass and Bronze Company, Toledo, Ohio. Work feed assembly. 1,971,889; Aug. 28.
- Yager, George F., assignor to The Bunting Brass Bronze Company, Toledo, Ohio. Turning machine. 1,981,260; Nov. 20.

- Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Broach holder. 1,984,104; Dec. 11.
- Yager, George F., and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Mold forming machine. 1,985,360; Dec. 25.
- Yager, Henry B., assignor, by mesne assignments, to F. H. Owens, New York, N. Y. Sound reproducing circuit for talking pictures and the like. 1,965,934; July 10.
- Yahn, Clarence E., Los Angeles, Calif. Variable torque fluid transmission. 1,957,124; May 1.
- Yake, David H., Los Angeles, Calif. Emergency slide. 1,958,877; May 15.
- Yaker, George F. and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Molding machine. 1,966,941; July 17.
- Yale Fabrics Corporation. (See Kaufmann, Werner R., assignor.)
- Yale & Towne Manufacturing Company, The. (See Brauning, Karl A., assignor.)
- Yale and Towne Manufacturing Company, The. (See De More, Leonel A., assignor.)
- Yale & Towne Manufacturing Company, The. (See Heyer, Frederic K., assignor.)
- Yale & Towne Manufacturing Company, The. (See Horne, Joseph A., assignor.)
- Yale & Towne Manufacturing Company, The. (See Lowe, Charles B., assignor.)
- Yale & Towne Manufacturing Company, The. (See Miller, Charles A.)
- Yale & Towne Manufacturing Company, The. (See Richter, P. C., and Potter, assignors.)
- Yale & Towne Manufacturing Company, The. (See Rickwood, Rowland L., assignor.)
- Yale & Towne Manufacturing Company, The. (See Shapiro, L. C., and Chamberlain, assignors.)
- Yale & Towne Manufacturing Company, The. (See Stuebing, William, Jr., assignor.)
- Yale & Towne Manufacturing Company, The. (See Thompson, Frank E., assignor.)
- Yale & Towne Manufacturing Company, The. (See Van Guelpen, Herman A., assignor.)
- Yamamoto, Seichi, Asakusa Ku, Tokyo, Japan. Manufacturing a leather substitute. 1,949,034; Feb. 27.
- Yandell, William H., Berwyn, Ill. Rotary pump or power transmission mechanism. 1,964,492; June 26.
- Yanga, Eleuterio S., U. S. Army, Fort William McKinley, Rizal, P. I. Lightproof map-reading compact. 1,976,759; Oct. 16.
- Yano, Shigenari, Fujimachi, Fujigun, Shizuokaken, Japan. Recuperating rosin size already applied to papers. 1,949,000; Feb. 27.
- Yanouchewsky, Vladimir, Le Chesnay, assignor to Etablissements Edouard Belin, Paris, France. System for electrical transmission and reception of pictures, documents, and the like. 1,951,781; Mar. 20.
- Yanovsky, Elias. (See Paine, H. S., Kingsbury, and Yanovsky.)
- Yant, Raymond C., Omaha, Nebr. Dispensing trailer. 1,949,195; Feb. 27.
- Yant, Raymond C., Omaha, Nebr. Scooping and dumping hand truck. 1,955,997; Apr. 24.
- Yanusko, John, Pottstown, assignor of one-half to P. Bobovski, Parnassus, Pa. Hasp lock. 1,976,274; Oct. 9.
- "Yard-Man," Inc. (See Funk, Truman B., assignor.)
- Yarian, James L. (See Sperry, L. B., and Yarian.)
- Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Check valve. 1,960,041; May 22.
- Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Packing device. 1,977,565; Oct. 16.
- Yarnall-Waring Company. (See Aicher, Alfred L., assignor.)
- Yarnall-Waring Company. (See McKee, John F., assignor.)
- Yarnall-Waring Company. (See Miller, Frank W., assignor.)
- Yarnall-Waring Company. (See Yarnall, David R., assignor.)
- Yarrow, Harold E., Scotstoun, Scotland, and H. N. Gresley, Hadley Wood, England. Preheating of the air supply to locomotive water tube boiler furnaces. 1,974,352; Sept. 18.
- Yassay, Joseph, McKees Rocks, assignor to The McKay Company, Pittsburgh, Pa. Glider. Des. 93,904; Nov. 20.
- Yassenoff, Isidor, Detroit, Mich. Tool grinder. 1,963,394; June 19.
- Yates-American Machine Company. (See Johnson, Gustave T., assignor.)
- Yates-American Machine Company. (See Turcott, David, assignor.)
- Yates, Arthur T., assignor to Buffalo Forge Company, Buffalo, N. Y. Process and apparatus for bending metal bars. 1,942,992; Jan. 9.
- Yates, Arthur T., West Seneca, assignor to Buffalo Forge Company, Buffalo, N. Y. Shearing machine and process of shearing. 1,952,961; Mar. 27.
- Yates, Charles E. (See Levy, S., Yates, and Shakespeare.)
- Yates, Charles E., Perth Amboy, N. J., assignor, by mesne assignments, to Anaconda Copper Mining Company, New York, N. Y. Method and apparatus for electro-deposition. 1,978,037; Oct. 23.
- Yates, Frederick C., Waterbury, Conn. Sighting apparatus. 1,954,509; Apr. 10.
- Yates, Henry T., Akron, Ohio. Ironing table. 1,978,097; Oct. 23.
- Yates, Homer, Regina, Saskatchewan, Canada. Water softener. 1,975,306; Oct. 2.
- Yates, James A., assignor to Brown Company, Berlin, N. H. Paper manufacture. 1,977,221; Oct. 16.
- Yates, James M., assignor of one-half to Worth Bryant, Cookeville, Tenn. Threshold stop. 1,963,819; June 19.
- Yates, John, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package and making the same. 1,958,256; May 8.
- Yates, Luther L., et al. (See Reynolds, Damian L., assignor.)
- Yates Machine Company. (See Yates, Thomas J., assignor.)
- Yates, Margaret T. (See Grant, John E., assignor.)
- Yates, Paul, and J. M. Guthrie, Pittsburgh, Pa. Meter reading apparatus. 1,955,043; Apr. 17.
- Yates, Paul R. (See Schoy, J. R., and Yates.)
- Yates, Rex E. (See Clark, G. H., and Yates.)
- Yates, Steven G., North Bergen, and D. Kahn, Woodcliff, assignors to David Kahn, Inc., North Bergen, N. J. Fountain pen. 1,966,369; July 10.
- Yates, Thomas J., assignor to Yates Machine Company, Salem, Mass. Water meter. 1,958,223; May 8.
- Yates, William K. (See Chaney, J. L., and Yates.)
- Yaupp, Daniel M., Chicago, Ill. Light bracket. 1,961,186; June 5.
- Yawman & Erbe Mfg. Co. (See Clark, James R., assignor.)
- Yawman and Erbe Mfg. Co. (See Clark, J. R., and Ackerman, assignors.)
- Yawman & Erbe Mfg. Co. (See Roscoe, Edwin S., assignor.)
- Yawman, Frederick G., Rochester, N. Y. School furniture. 1,970,874; Aug. 21.
- Yaxley Manufacturing Company. (See Andres, P. G., and Hall, assignors.)
- Yaxley Manufacturing Company. (See Rowell, Frank F., assignor.)
- Yazblik, Joseph, assignor of one-half to W. A. Alnsworth, Utica, N. Y. Rayon yarn spinning machine. 1,958,777; May 15.
- Yeager, Anton J., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Valve construction. 1,958,379; May 8.
- Yeager, Frank W., Cliffside Park, N. J., assignor to The Barrett Company, New York, N. Y. Infexible waterproof composition and making same. 1,949,229; Feb. 27.
- Yeager, Leo R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Method and apparatus for coating articles. 1,950,096; Mar. 6.
- Yearsley, Eugene W., Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Dispatching and scheduling system. 1,966,058; July 10.
- Yearwood, Fitz H., New York, N. Y. Amusement device. 1,960,363; May 29.
- Yedd, Guy A., Oakland, Calif. Paint spraying apparatus. 1,980,464; Nov. 13.
- Yelen, Isidor, Newark, N. J. Indicating electric fuse. 1,958,099; May 8.
- Yellow Truck & Coach Manufacturing Company. (See Behler, Glen W., assignor.)
- Yellow Truck & Coach Manufacturing Company. (See Bock, Carl J., assignor.)
- Yellow Truck & Coach Manufacturing Company. (See Hehner, Arthur, assignor.)
- Yellow Truck & Coach Manufacturing Company. (See Retzlaff, W. G., and Flogaus, assignors.)
- Yellow Truck & Coach Manufacturing Company. (See Schjollin, Eric O., assignor.)
- Yender, Lawrence F., Carroll, Iowa. Portable mill. 1,960,836; May 29.
- Yeo, Edward, Rolling Bay, Wash. Trolling spoon. 1,956,783; May 1.
- Yeoman, George W. (See Davenport, Joseph P., assignor.)
- Yeomans, Lucien L., assignor to A. Nechin, Chicago, Ill. Vegetable slicer. 1,954,165; Apr. 10.
- Yeomans, Lucien L., Chicago, assignor, by mesne assignments, to Universal Products Company, Inc., Dearborn, Mich. Manufacturing flanged bodies. 1,968,792; July 31.
- Yeomans, Lucien J., Chicago, Ill. Can. 1,963,770; June 19.
- Yerger, Wilson S., and L. S. Somers, assignors to Imperial Type Metal Company, Philadelphia, Pa. Cast type. 1,953,844; Apr. 3.
- Yerges, Howard F., assignor to Columbus Metal Products Inc., Columbus, Ohio. Mechanical stoker. Des. 93,371; Sept. 18.
- Yerk, Henry H., Davenport, Iowa. Oil burner casing. Des. 93,593; Oct. 9.
- Yerk, William J., Tiffin, Ohio. Hand line carrier. 1,972,434; Sept. 4.
- Yerkes, Gabrielle M. P., Hartsdale, assignor to G. M. Polx, Inc., New York, N. Y. Brassière. 1,955,523; Apr. 17.
- Yerrick, William D., Wellsville, N. Y., assignor to Air Preheater Corporation. Preheater construction. 1,985,268; Dec. 25.
- Yerrick, William D., Wellsville, N. Y., assignor to Air Preheater Corporation. Preheating apparatus. 1,985,269; Dec. 25.
- Yesner, Louis, New York, N. Y. Electrical spark intensifier. 1,966,370; July 10.

- Ylitalo, Wilho. (See Hill, N., Utto, and Ylitalo.)
- Ylla-Conte, José, Barcelona, Spain. Lens for the concentration of solar heat. 1,952,237; Mar. 27.
- Yocum, Charles F., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Trenching machine. 1,978,732; Oct. 30.
- Yocum, Charles F., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Trenching machine. 1,978,733; Oct. 30.
- Yocum, Henry H., Shamokin, Pa. Length gauge and marker for dresses. 1,971,516; Aug. 23.
- Yocum, Robert C., jr., Mapleton Depot, Pa. Rubber working roll. 1,977,839; Oct. 23.
- Yoder, Carl M., Lakewood, Ohio. Bending machine. 1,943,407; Jan. 16.
- Yoder, Carl M., Lakewood, Ohio. Machine for conditioning sheet stock. 1,953,092; Apr. 3.
- Yoder, Carl M., Lakewood, Ohio. Guiding mechanism. 1,973,458; Sept. 11.
- Yoder, Carl M., assignor of one-half to H. O. Yoder, Lakewood, Ohio. Apparatus for sizing and straightening hollow bldies. 1,955,783; Apr. 24.
- Yoder, Carl M., assignor of one-half to H. O. Yoder, Lakewood, Ohio. Apparatus for cutting metal. 1,968,865; Aug. 7.
- Yoder Company, The. (See Cleveland, Grover E., assignor.)
- Yoder, Harvey O. (See Yoder, Carl M., assignor.)
- Yoder, Howard D., assignor to Pemberthy Injector Company, Detroit, Mich. Universal adapter. 1,971,438; Aug. 28.
- Yoder-Morris Company, The. (See Morris, Howard L., assignor.)
- Yoerg, Alfred F., et al. (See Schlesinger, Harry, assignor.)
- Yoerg, Henry, St. Paul, Minn. Fuel-feeding apparatus for locomotives. 1,947,074; Feb. 13.
- Yoerg, Leon M., assignor to American Writing Paper Company, Inc., Holyoke, Mass. Treating paper. 1,948,874; Feb. 27.
- Yoerg, Leon M., assignor to American Writing Paper Company, Holyoke, Mass. Paper manufacture. 1,969,592; Aug. 7.
- Yohai, Robert J., assignor to S. & S. Cone Corporation, New York, N. Y. Edible container for food products. Des. 93,432; Sept. 25.
- Yohs, Merrill A., New Oxford, Pa. Decorative illuminating unit. Des. 91,342; Jan. 9.
- Yolles, Jacob. (See Jones, L. L., and Yolles.)
- Yonge, Laurie W., Jacksonville, Fla. Single pedal starter and accelerator control. 1,972,037; Aug. 28.
- Yonkman, George, et al. (See Hyma, Abe, assignor.)
- Yordi, Arthur, Milwaukee, assignor to The Snap-On Tools, Inc., Kenosha, Wis. Bushing tool. 1,970,682; Aug. 21.
- York, Albert F., Washington, D. C., assignor to S. Sternau & Co., Inc., New York, N. Y. Nitrocellulose composition and preparing same. 1,978,070; Oct. 23.
- York, Albert F., Washington, D. C., assignor to S. Sternau & Co., Inc., New York, N. Y. Nitrocellulose composition and preparing same. 1,978,071; Oct. 23.
- York Ice Machinery Corporation. (See Chamberlain, Joseph R., assignor.)
- York Ice Machinery Corporation. (See Lehman, Edward G., assignor.)
- York Ice Machinery Corporation. (See Light, Albert T., assignor.)
- York Ice Machinery Corporation. (See Pierce, Raymond C., assignor.)
- York Ice Machinery Corporation. (See Ruff, Alonzo W., assignor.)
- York Ice Machinery Corporation. (See Zieber, William E., assignor.)
- York, Mahlon D., and P. J. Newton, assignors to York Modern Corporation, Unadilla, N. Y. Road scarifier. 1,970,531; Aug. 14.
- York Modern Corporation. (See York, M. D., and Newton, assignors.)
- York, Raymond D., University, Va. Stereoscopic motion picture apparatus. 1,970,212; Aug. 14.
- York Water Corporation. (See Alex, Max, assignor.)
- Yorke Specialty Corporation. (See Dinstman, Isidor, assignor.)
- Yost, Ezra M., assignor to Mathews Conveyor Company, Ellwood City, Pa. Conveying system. 1,968,547; July 31.
- Yost, Frank M., Portland, Oreg., assignor to American Can Company, New York, N. Y. Apparatus for reforming can bodies. 1,962,166; June 12.
- Yost, George W., Edmonds, Wash. Vehicle. 1,964,778; July 3.
- Yost, Irvine A., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Illumination apparatus. 1,948,690; Feb. 27.
- Yost, Norman S., assignor to Howell Electric Motors Company, Howell, Mich. Electric motor. 1,972,966; Sept. 11.
- Yost, Winfield H., Montreal, Quebec, Canada. Dump car. 1,941,774; Jan. 2.
- Yost, Winfield H., Montreal, Quebec, Canada. Dump car. 1,981,714; Nov. 20.
- Yonde, Mary H., New York, N. Y. Pen attachment. 1,971,699; Aug. 28.
- Yonell, Louis E., Jackson Heights, N. Y. Typewriter attachment. 1,961,028; May 29.
- Youker, Malcolm P., Tulsa, Okla., assignor, by mesne assignments, to The Gray Processes Corporation, Newark, N. J. Apparatus for filtering petroleum vapors. 1,945,249; Jan. 30.
- Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Recovering hydrocarbon liquids from volatile hydrocarbon gases and vapors. 1,951,383; Mar. 20.
- Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Rectifying process. 1,954,839; Apr. 17.
- Youker, Malcolm P., Tulsa, assignor to Phillips Petroleum Company, Bartlesville, Okla. Cracking process. 1,962,107; June 5.
- Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Process and apparatus for converting hydrocarbon gases. 1,976,469; Oct. 9.
- Youtlen, Henry M., Lindqvist, and M. Berglund, Virginia City, assignors of one-eighth to C. H. Petersen, three-eighths to J. Lindqvist, one-eighth to Berteglio and McTaggart Storage Company, Butte, Mont., and three-eighths to M. Lindqvist. 1,949,196; Feb. 27.
- Young, Albert A., assignor to Eastman Kodak Company, Rochester, N. Y. Nonhalation backing for photographic film. 1,942,852; Jan. 9.
- Young, Albert L., Clarendon, Va. Storage battery charging and distributing panel. 1,950,428; Mar. 13.
- Young, Ambrose F., assignor of one-third to W. T. Hogan and one-sixth to A. E. Paradise, Denver, Colo. License plate holder. 1,950,205; Mar. 6.
- Young, Andrew H., Schenectady, N. Y., assignor to General Electric Company. Heater for indirectly heated cathodes. 1,942,080; Jan. 2.
- Young, Andrew M., Saskatoon, Saskatchewan, Canada. Reflecting and light diffusing signs. 1,967,602; July 24.
- Young, Archer E., Pittsburgh, Pa. Heat measuring apparatus. 1,944,587; Jan. 23.
- Young, Archer E., Pittsburgh, Pa. Integrating mechanism. 1,957,746; May 8.
- Young, Archer E., Pittsburgh, Pa. Integrating apparatus. 1,957,747; May 8.
- Young, Charles A., Alamo, Colo., assignor to Alamo Coal Company. Self loading conveyor. 1,985,133; Dec. 18.
- Young, Charles D., Haverford, Pa. Rail joint. 1,952,573; Mar. 27.
- Young, Charles F., assignor to The Stewart Iron Works Company, Covington, Ky. Locking and operating device for doors. 1,966,422; July 10.
- Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Recording method and system. 1,967,072; July 17.
- Young, Charles O., deceased, by M. K. Young, executrix, Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Making normal butanol. 1,966,157; July 10.
- Young, Charles O., deceased, by M. K. Young, executrix, Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Purifying liquids. 1,968,512; July 31.
- Young, Charles O., deceased, by M. K. Young, executrix, Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Making acetaldehyde and a catalyst therefor. 1,977,750; Oct. 23.
- Young, Charles O., Charleston, and G. A. Perkins, South Charleston, W. Va., assignors to Carbide & Carbon Chemicals Corporation. Separating hydrocarbons. 1,948,777; Feb. 27.
- Young, Charles O., and G. H. Law, Charleston, W. Va., assignors to Carbide & Carbon Chemicals Corp. Preparation of normal propyl alcohol. 1,953,548; Apr. 3.
- Young, Clyde. (See Rogers, H. A., and Young.)
- Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Operating a water gas set. 1,974,526; Sept. 25.
- Young, D'Arcy A., assignor to Eastman Kodak Company, Rochester, N. Y. Paper feed for automatic projection printers. 1,981,406; Nov. 20.
- Young, D'Arcy A., E. O. Wangerin, and R. S. Hopkins, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 1,976,318; Oct. 9.
- Young, Douglass A. (See Kermod, J. T., Young, and Sparkes.)
- Young, Douglass A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Portable stroboscope. 1,948,740; Feb. 27.
- Young, Douglass A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for calibrating timing devices. 1,953,148; Apr. 3.
- Young, Earl H. (See Gasswitt, C. W., and Young.)
- Young, Earle L. (See Blackmer, W. H., and Young.)
- Young, Edison P. (See Gookin, W. C., and Young.)
- Young, Edwin H. P., London, England, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Drip-feed device. 1,980,128; Nov. 6.
- Young, Emil W., Brooklyn, N. Y. Thread cleaner. 1,955,784; Apr. 24.
- Young, Ernest A. (See Alvey, Aloysius B. and G. H., and Young.)
- Young, Forrest J. (See Long, S. W., and Young.)
- Young, Forrest J., Torrance, Calif., assignor to The National Supply Company of Delaware. Rotary machine. 1,945,876; Feb. 6.

- Young, Forrest J., Torrance, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Band brake assembly. 1,956,432; Apr. 24.
- Young, Forrest J., Los Angeles, and S. W. Long, Redondo Beach, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Brake with equalizer. 1,956,433; Apr. 24.
- Young, Frank A., assignor, by mesne assignments to Connecticut Telephone and Electric Corporation, Meriden, Conn. Electrical connector. 1,975,999; Oct. 9.
- Young, Frank A., jr., assignor to The E. C. Wilcox Corporation, Meriden, Conn. Corn popper. 1,976,425; Oct. 9.
- Young, Frank W. (See Wright, A., and Young.)
- Young, Fred M., Racine, Wis. High temperature bonding apparatus. 1,947,689; Feb. 20.
- Young, Fred M., Racine, Wis. Assembly lock for cabinet heaters. 1,951,541; Mar. 20.
- Young, Fred M., Racine, Wis. Radiator. 1,963,429; June 19.
- Young, Fred M., Racine, Wis. Damper control device. 1,971,841; Aug. 28.
- Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Heat transfer device. 1,971,842; Aug. 28.
- Young, Fred M. and L. M.; said Leon M. Young, assignor of one-half to Young Radiator Company, Racine, Wis. Bonding fins to radiator tubes. 1,970,481; Aug. 14.
- Young, Fred M. and L. M.; said L. M. Young assignor to Young Radiator Company, Racine, Wis. Heat transfer device. 1,976,102; Oct. 9.
- Young, George E., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,957,240; May 1.
- Young, George G., Kansas City, Mo., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Baking receptacle. 1,979,924; Nov. 6.
- Young, George H., Dayton, Ohio. Siphon exhaust for drier rolls. 1,953,525; Apr. 3.
- Young, Graeme E., Deerfield, Ill. Stage construction for theaters. 1,949,232; Feb. 27.
- Young, Graeme E., Deerfield, Ill. Stage construction for theaters. 1,985,707; Dec. 25.
- Young, Guy M., Los Angeles, Calif. Return-ball bat. Des. 93,151; Aug. 21.
- Young, Harry R. (See Iliff, J. W., and Young.)
- Young, Henry S. (See McCann, R. A., and Young.)
- Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,974,439; Sept. 25.
- Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,976,822; Oct. 16.
- Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,981,979; Nov. 27.
- Young, Henry S., Wilkinsburg, and R. A. McCann, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,958,177; May 8.
- Young, Horace G., assignor, by mesne assignments, to K. W. Young, Ocean City, N. J. Building unit. 1,967,919; July 24.
- Young, Howard F., assignor of one-half to L. S. Young, Kalamazoo, Mich. Floor construction. 1,959,119; May 15.
- Young, James H., and D. S. Hubbell, assignors to H. H. Robertson Company, Pittsburgh, Pa. Portable protected metal article. 1,973,193; Sept. 11.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Key opening container. 1,943,355; Jan. 16.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Providing hermetically sealed friction top cans. 1,953,093; Apr. 3.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Providing nonsolderable surfaces on containers. 1,954,840; Apr. 17.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Freezing food products. 1,965,624; July 10.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Vacuum machine. 1,969,771; Aug. 14.
- Young, John W., R. Salyer, and B. Bryan, Binger, Okla. Trailer hitch. 1,969,288; Aug. 7.
- Young, Judson O., Springfield, Mass. Support for guard rails. 1,982,092; Nov. 27.
- Young, Karl G., and H. Velt, Philadelphia, Pa., assignors of one-half to R. Rodgers, Toms River, and one-half to D. Haslett, Mount Holly, N. J. Lock nut. 1,954,114; Apr. 10.
- Young, Katinka W. (See Young, Horace G. A., assignor.)
- Young, Kenneth W., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Roasting of sulphide ores. 1,974,886; Sept. 25.
- Young, L. A., Company, The. (See Link, Richard A., assignor.)
- Young, L. A., Spring & Wire Corporation. (See Falls, William A., assignor.)
- Young, L. A., Spring & Wire Corporation. (See Fante, Harry H., assignor.)
- Young, L. A., Spring & Wire Corporation. (See Heuer, Lawrence H., assignor.)
- Young, L. A., Spring & Wire Corporation. (See Platt, Robert L., assignor.)
- Young, L. A., Spring & Wire Corporation. (See Snyder, Clifford L., assignor.)
- Young, L. A. Spring & Wire Corporation. (See Stackhouse, George A., assignor.)
- Young, L. A., Spring & Wire Corporation. (See Van Hove, Desire H., assignor.)
- Young, Lawrence F., and W. Ferris, assignors to The Oil gear Company, Milwaukee, Wis. Rotor for pumps or motors. 1,976,424; Oct. 9.
- Young, LeGrand. (See Schieler, Harry H., assignor.)
- Young, Leo C. (See Taylor, A. H., Young, and Hyland.)
- Young, Leo C., Washington, D. C. Frequency-control apparatus. 1,950,535; Mar. 13.
- Young, Leon M. (See Young, Fred M. and L. M.)
- Young, Leon M., assignor to Young Radiator Company, Racine, Wis. Heat transferring device. 1,951,958; Mar. 20.
- Young, Leonard A. (See Oldham, John M., assignor.)
- Young, Leonard A., Detroit, Mich. Making shafts for golf clubs and the like. 1,942,465; Jan. 9.
- Young, Leonard A., Detroit, Mich. Golf club. 1,945,844; Feb. 6.
- Young, Leonard A., Detroit, Mich. Golf ball and making. 1,946,378; Feb. 6.
- Young, Leonard A., Detroit, Mich. Grip for golf clubs and the like. 1,954,275; Apr. 10.
- Young, Leonard A., Detroit, Mich. Garment hanger. 1,963,163; June 19.
- Young, Leonard A., Detroit, Mich. Grip for golf clubs and the like. 1,968,064; July 31.
- Young, Leonard A., Detroit, Mich. Garment hanger. 1,968,065; July 31.
- Young, Leonard A., Detroit, Mich. Resilient golf club head. 1,968,626; July 31.
- Young, Leonard A., Detroit, Mich. Balanced golf club head. 1,968,627; July 31.
- Young, Leonard A., Detroit, Mich. Shoe tree. 1,973,032; Sept. 11.
- Young, Leonard A., Detroit, Mich. Golf club putter head. 1,975,341; Oct. 2.
- Young, Leonard A., Detroit, Mich. Golf club construction. 1,975,822; Oct. 9.
- Young, Leonard A., Detroit, Mich. Head and shaft assembly for golf clubs. 1,983,158; Dec. 4.
- Young, Leonie S. (See Young, Howard F., assignor.)
- Young, Lloyd W. (See Oldham, S. R., and Young.)
- Young, Marion K., executrix. (See Young, Charles O.)
- Young, Marvin S., Scarsdale, assignor to The Gas and Oil Lock Corporation, New York, N. Y. Combination discharge and inflow control means. Re19,366; Nov. 6.
- Young, Marvin S., Scarsdale, assignor to The Gas and Oil Lock Corporation, New York, N. Y. Multiple unit container. 1,961,321; June 5.
- Young, Marvin S., Scarsdale, N. Y., assignor, by mesne assignments, to Socony-Vacuum Corporation. Display stand. 1,967,699; July 24.
- Young, Marvin S., Scarsdale, N. Y., assignor, by mesne assignments, to Socony-Vacuum Corporation. Fluid dispensing apparatus. 1,984,005; Dec. 11.
- Young, Marvin S., Scarsdale, and A. Novick, Flushing, N. Y., assignors to Socony-Vacuum Corporation. Combination inflow controlling and fluid discharge means. 1,947,575; Feb. 20.
- Young, Marvin S., Scarsdale, and A. Novick, Flushing, assignors to The Gas and Oil Lock Corporation, New York, N. Y. Combination inflow controlling and fluid discharge means. 1,979,850; Nov. 6.
- Young, Noah A., Duluth, Minn. Thumb shift for typewriters. 1,947,143; Feb. 13.
- Young, Orel L. (See Barker, L. M., Young, and Ralston.)
- Young, Otto, assignor to The Chapel Donner Corporation, Newark, N. J. Shoe-treeing apparatus. 1,963,482; June 19.
- Young, Otto W. (See Gibbons, H. R., and Young.)
- Young, Paul W., Taft, Calif. Rotary engine. 1,943,882; Jan. 16.
- Young, Philip L., New York, N. Y., assignor to Standard-I. G. Company. Obtaining valuable high boiling and low boiling oils from heavy hydrocarbon oils. 1,949,230; Feb. 27.
- Young, Philip L., New York, N. Y., assignor to Standard-I. G. Company. Obtaining high yields of high grade lubricants from petroleum oil. 1,949,231; Feb. 27.
- Young, Philip L., New York, N. Y., assignor to Standard-I. G. Company. Hydrogenation of oils. 1,954,972; Apr. 17.
- Young, Philip L., and D. Churchill, Jr., New York, N. Y., assignors to Standard-I. G. Company. Preparing low boiling hydrocarbons from high boiling hydrocarbons. 1,955,268; Apr. 17.
- Young, Philip S., and R. E. McKenzie, assignors to Gardner-Denver Company, Quincy, Ill. Compressor control apparatus. 1,964,281; June 26.
- Young, Porus J., Clendenin, W. Va. Wave motor. 1,962,047; June 5.
- Young Radiator Company. (See Young, Fred M., assignor.)
- Young Radiator Company. (See Young, Fred M., and L. M., assignors.)
- Young Radiator Company. (See Young, Leon M., assignor.)
- Young, Raleigh W., San Francisco, Calif. Advertising device or similar article. Des. 91,975; Apr. 10.
- Young, Ralph W., Beloit, Wis., assignor to Charles H. Besly & Company, Chicago, Ill. Grinding machine. 1,965,020; July 3.
- Young, Richard, et al. (See Williams, Willis W., assignor.)

- Young, Robert H. (See Dalglish, James E., assignor.)
 Young, Thomas E., Los Angeles, Calif. Permutation switch. 1,957,877; May 8.
 Young, Vertrees, assignor to Robert Gaylord, Incorporated, St. Louis, Mo. Carton. 1,941,775; Jan. 2.
 Young, Walter H., Detroit, Mich. Scroll saw. 1,948,229; Feb. 20.
 Young, Walter H., Detroit, Mich. Vibratory electric motor. 1,948,452; Feb. 20.
 Young-Whitwell Gas Process Company. (See Young, Daniel J., assignor.)
 Young, William, Wishaw, Scotland. Window balancing device. 1,942,320; Jan. 2.
 Young, William G. (See Hansen, Morten, assignor.)
 Youngberg, Joseph W., Harptree, Saskatchewan, Canada. Windwheel governor. 1,982,039; Nov. 27.
 Youngblood, James A., Dallas, Tex. Door and lock operating mechanism. 1,963,820; June 19.
 Younger, John E., Berkeley, assignor to Capelis Safety Airplane Corporation, Limited, Oakland, Calif. Airplane wing structure. 1,974,764; Sept. 25.
 Younghusband, J. L. (See Hoffman, Raoul J., assignor.)
 Younghusband, James L., Chicago, Ill. Holder for lipsticks. 1,976,252; Oct. 9.
 Youngquist, Henry. (See Parker, Walter F., assignor.)
 Youngren, Harold T., Flint, assignor to General Motors Corporation, Detroit, Mich. Drive wheel mounting. 1,973,837; Sept. 18.
 Youngstown Pressed Steel Company, The. (See Chesney, Robert M., assignor.)
 Youngstown Pressed Steel Company, The. (See Galbreath, W. W., and Chesney, assignors.)
 Youngstown Pressed Steel Company, The. (See Stanitz, Jacques, assignor.)
 Youngstown Research Association Incorporated. (See Freed, C. J., Baum, and Patterson, assignors.)
 Youngstown Sheet & Tube Company, The. (See Adams, James L., Jr., assignor.)
 Youngstown Sheet and Tube Company, The. (See Eurich, R. H., and Anthony, assignors.)
 Youngstown Sheet and Tube Company. (See Leahy, Frank E., assignor.)
 Youngstown Sheet & Tube Company, The. (See McKee, S. H., and Finch, assignors.)
 Youngstown Sheet and Tube Company, The. (See Mirfield, G. E., and Firth, assignors.)
 Youngstown Sheet & Tube Company, The. (See Neale, E., assignor.)
 Youngstown Sheet & Tube Company, The. (See Neale, J. E., and Mishler, assignors.)
 Youngstown Sheet and Tube Company. (See Osborne, Melvin M., assignor.)
 Youngstown Sheet & Tube Company, The. (See Richards, Simon, assignor.)
 Youngstown Sheet and Tube Company, The. (See Siegle, Jacob C., assignor.)
 Youngstown Steel Car Corporation. (See Wilkoff, Arthur E., assignor.)
 Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
 Youngstown Steel Door Company, The. (See McWilliams, J. P., and Ditchfield, assignors.)
 Youngstown Steel Door Company, The. (See Williamson, Clarence H., assignor.)
 Youngstrom, Clifford L., Albert Lea, Minn. Hygienic toothbrush and powder receptacle. 1,962,337; June 12.
 Yount, Clarence B., near Dayton, Ohio. Liquid trap for refrigerating systems. 1,985,134; Dec. 18.
 Yousey, Reuben C., Rome, N. Y. Capstan for wire drawing machines. 1,973,596; Sept. 11.
 Yowell, John W., Troup, Tex. Garage door operating mechanism. 1,963,321; June 19.
 Yssel de Schepper, Adam J. A., The Hague, Netherlands. Rubber manufacture. 1,981,691; Nov. 20.
 Yuasba, Kameichi, Tokyo-Fu, Japan. Impact testing machine. 1,985,478; Dec. 25.
 Yundt, Michael. (See Perkins, Frank P., assignor.)
 Yunker, John C., assignor to Samuels Shoe Company, St. Louis, Mo. Shoe. Des. 92,991; Aug. 7.
 Yunker, John C., assignor to Samuels Shoe Company, St. Louis, Mo. Shoe. Des. 92,992; Aug. 7.
 Yunker, John O., Wauwatosa, Wis. Press for attaching soles to shoes. 1,943,356; Jan. 16.
 Yunker, William E. (See Lindberg, I. F., and Yunker.)
 Yutzler, Fred W. (See Kent, G. E., and Yutzler.)
 Zabach, Florian, Chicago, Ill. Binding post. 1,965,401; July 3.
 Zabel, Franz, Mulheim-on-the-Ruhr, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Cooling bank plant with several delivery channels. 1,978,153; Oct. 23.
 Zabrieskie, Henry L., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Handie-release mechanism for vacuum cleaners. 1,968,238; July 31, 1934.
 Zabriski, Benjamin E., Irvington, N. J. Zodiac combination birthstone setting. 1,959,145; May 15.
 Zabriskie, William F., assignor to Gabriel Steel Company, Detroit, Mich. Metallic building construction. 1,963,395; June 19.
 Zacher, Edward L., South Bend, Ind. Vending machine casing. Des. 93,372; Sept. 18.
 Zacher, Edward L., South Bend, Ind. Vending machine casing. Des. 93,373; Sept. 18.
 Zachimmer, Bodo. (See Immerheiser, C., and Zschimmer.)
 Zachry, Walter H., Atlanta, Ga. Broom manufacture and the like. 1,970,590; Aug. 21.
 Zack, Arthur A., Seattle, Wash. Golf bag support. 1,978,242; Oct. 23.
 Zack, Edgar G., assignor to Sheffield Shale Products Company, Sheffield, Ill. Building construction. 1,947,239; Feb. 13.
 Zack, Victor J., Los Angeles, Calif. Portable sanding machine. 1,958,601; May 15.
 Zackheim, Eli A., Brooklyn, N. Y. Chemical pack. 1,975,245; Oct. 2.
 Zadz, Ernest A., New York, N. Y. Clutch control device. 1,967,730; July 24.
 Zagat, E. D., et al. (See Schwartz, Morris, assignor.)
 Zagat, Samuel, et al. (See Schwartz, Morris, assignor.)
 Zahm, Edward, assignor to Zahm & Nagel Co. Inc., Buffalo, N. Y. Tapping apparatus. 1,941,507; Jan. 2.
 Zahm & Nagel Co. Inc. (See Zahm, Edward, assignor.)
 Zahn, Joseph A., Corona, N. Y., assignor to Sta-Lite Corporation. Lighter. 1,964,839; July 3.
 Zahn, Karl, and K. Schimmelschmidt, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs insoluble in water and fiber dyed therewith. 1,951,815; Mar. 20.
 Zahn, Karl, and H. Koch, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydrogenation product from 2,2'-dihydroxy and 2,2'-di-o-acyl-1,1'-dinaphthyl. 1,955,998; Apr. 24.
 Zahn, Karl, and W. Schultheis, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compound of the anthraquinone series. 1,960,564; May 29.
 Zahn, Karl, Frankfort-on-the-Main-Hochst, and W. Gucke, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphone-morpholine compounds of the amino-anthraquinone series. 1,978,777; Oct. 30.
 Zahn, Karl, and H. Koch, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid ortho-hydroxy azo dyestuffs capable of being chromed. 1,979,061; Oct. 30.
 Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Maier, Albert, assignor.)
 Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Molly, Hans, assignor.)
 Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See von Soden-Fraunhofen, Alfred G., assignor.)
 Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See von Thüngen, Hubert F., assignor.)
 Zahodiakin, Victor F., Cincinnati, Ohio. Internal-combustion engine. 1,950,911; Mar. 13.
 Zahodiakin, Victor F., Cincinnati, Ohio. Piston ring. 1,957,927; May 8.
 Zahodiakin, Victor F., Cincinnati, Ohio. Airplane safety device. 1,972,967; Sept. 11.
 Zaidan Hojin Rikagaku Kenkyujo. (See Sakurai, Sueo, assignor.)
 Zaiden, Anna, executrix. (See Zaiden, David.)
 Zaiden, David, deceased, Brooklyn, assignor of one-fourth to I. Kaufman, one-fourth to S. Kaufman, Forest Hills, and one-fourth to J. Kaufman, Brooklyn, N. Y.; A. Zaiden, executrix of D. Zaiden. Eyeset and the like for dolls and the like. 1,963,164; June 19.
 Zaiger, Louis. (See Zaiger, Max and L.)
 Zaiger, Max, Swampscott, Mass. Windshield beater. 1,970,482; Aug. 14.
 Zaiger, Max, Lynn, Mass., assignor to P. J. Nagle, Rochester, N. Y. Repair link for cross chains. 1,977,222; Oct. 16.
 Zaiger, Max, Swampscott, and L. Zaiger, Lynn, Mass. Windshield wiper. 1,944,051; Jan. 16.
 Zaisser, Fritz S., Bronx, N. Y. Closure. 1,971,670; Aug. 28.
 Zaisser, Fritz S., Bronx, N. Y. Closure. 1,976,319; Oct. 9.
 Zajac, Josef, assignor of one-half to W. Plotrowski, Chicago Heights, Ill. Firearm light. 1,950,835; Mar. 13.
 Zalkind, Philip, New York, N. Y. Container. 1,946,516; Feb. 13.
 Zallea, James P., Philadelphia, Pa. Duo-self-equalizing expansion joint. 1,971,923; Aug. 23.
 Zancan, Ottavio, New York, N. Y. Motor car braking system. 1,948,195; Feb. 20.
 Zand, Stephen J., Forest Hills, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic instrument for aircraft. 1,946,657; Feb. 13.
 Zander, Ernest O., Oakland, Calif. Weed cutter. 1,979,432; Nov. 6.
 Zander, John, Chicago, Ill. Gas burner. 1,962,756; June 12.
 Zander, Milton W., Chicago, Ill., assignor of twenty-five per cent to A. M. Lichty, twenty-five per cent to B. C. Shepherd, ten per cent to I. H. Van Cleave, and five per cent to J. A. Allard, Jr. Air cleaner. 1,951,884; Mar. 20.

- Zanetti, Joseph, San Francisco, Calif. Machine for making paper boxes. 1,965,274; July 3.
- Zaniboni, Renato, La Spezia, Italy. Producing pure liquid ammonia from ammonia liquor. 1,954,973; Apr. 17.
- Zanzi, Albino, Ivrea, Italy. Manufacturing machine parts. 1,945,302; Jan. 30.
- Zap Development Corporation. (See Zaparka, Edward F., assignor.)
- Zaparka, Edward F. (See Lee, R. K. and Zaparka.)
- Zaparka, Edward F., New York, N. Y., assignor to Zap Development Corporation, Baltimore, Md. Sustaining device for aircraft. 1,971,590; Aug. 28.
- Zaparka, Edward F., assignor to Zap Development Corporation, Baltimore, Md. Aileron. 1,971,591; Aug. 28.
- Zaparka, Edward F., assignor to Zap Development Corporation, Baltimore, Md. Aileron and flap construction. 1,971,592; Aug. 28.
- Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien Gesellschaft, Cologne-Mulheim, Germany. Carrying ropes. 1,941,964; Jan. 2.
- Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien Gesellschaft, Cologne-Mulheim, Germany. Submarine cable. 1,942,321; Jan. 2.
- Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. High tension submarine cable. 1,945,764; Feb. 6.
- Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Stretching wire ropes. 1,951,687; Mar. 20.
- Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Aktiengesellschaft, Cologne-Mulheim, Germany. Manufacture of lead tubes and cable sheaths. 1,978,976; Oct. 30.
- Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Oil-filled high voltage cable. 1,981,535; Nov. 20.
- Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien Gesellschaft, Cologne-Mulheim, Germany. High tension electric cable. 1,981,536; Nov. 20.
- Zapf, Georg, Cologne-Mulheim, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Electric cable. 1,981,890; Nov. 27.
- Zarafu, Herman, West New York, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator door control. 1,963,430; June 19.
- Zareko, John A., Brooklyn, N. Y. Skate. 1,981,211; Nov. 20.
- Zaretzky, Hyman. (See Weissman, J., and Zaretzky.)
- Zarkin Machine Company. (See Metrick, Solomon, assignor.)
- Zarobsky, Charles A., South Euclid, Ohio. Closure. 1,962,376; June 12.
- Zart, Arthur, and F. Hoelkeskamp, Barmen-Rittershausen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Apparatus for the production of artificial threads from cuprammonium solution. 1,979,925; Nov. 6.
- Zaschka, Englebert, Berlin-Neukolln, assignor of one-half to F. A. Unverdorff, doing business as "Dimoha" Hagen-Westf-Kabel, Haus Busch, Germany. Portable power plant. 1,944,052; Jan. 16.
- Zastrow, Robert C., Racine, Wis. Vacuum control brake device. 1,966,660; July 17.
- Zatzkin, Jacob, Brooklyn, N. Y. Movable bar. Des. 91,601; Feb. 20.
- Zaucker, Ewald, Cologne-Mulheim, L. Orthner, Leverkusen-I. G. Werk, and M. Bögemann, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Vulcanization accelerator. Re19,286; Aug. 21.
- Zaucker, Ewald, Cologne-Mulheim, L. Orthner, Leverkusen-I. G. Werk, and M. Bögemann, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Vulcanization accelerator. 1,942,790; Jan. 9.
- Zauskey, Thomas L., Chicago, Ill. Lighting system and apparatus. 1,979,658; Nov. 6.
- Zavertnik, Joseph, Jr., Harrington Park, N. J., assignor to The Barrett Company, New York, N. Y. Tar distillation. 1,972,468; Sept. 4.
- Zavon, Sol L., et al. (See Whiteley, John T., assignor.)
- Zawadzki, Richard, Berlin-Zehlendorf, assignor to Vereinigte Eisenbahn-Signalwerke, Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Interlocking gears for the locking of point throwing levers and the like. 1,956,751; May 1.
- Zay, Anthony, Cleveland, Ohio. Cap. 1,943,779; Jan. 16.
- Zecher, Gustav, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Electric discharge tube for the emission of rays of light. 1,951,116; Mar. 13.
- Zecher, Gustav, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Electric discharge tube and operating same. 1,971,891; Aug. 28.
- Zecher, Gustav, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Electric discharge tube. 1,984,449; Dec. 18.
- Zecher, Gustav, and J. Bruijnes, Eindhoven, Netherlands, assignors, by mesne assignments, to General Electric Company. Electric discharge tube. 1,971,890; Aug. 28.
- Zechiel, Eugene H., Los Angeles, Calif. Antidrip and antispash device for shower bath doors. 1,971,802; Aug. 28.
- Zechlin, Max R., Dearborn, Mich. Brake testing apparatus. 1,978,927; Oct. 30.
- Zechmanek, Karl, assignor to G. Weigend, Vienna, Austria. Sound permeable screen and the process to the production thereof. 1,966,747; July 17.
- Zeco Research Corporation. (See Zerhlaut, Herbert A. R., assignor.)
- Zeder, Fred M., assignor to Chrysler Corporation, Detroit, Mich. Hood and cowl assembly. Des. 91,449; Jan. 30.
- Zeder, James C., assignor to Chrysler Corporation, Detroit, Mich. Yieldable driving connection. 1,954,190; Apr. 10.
- Zegorav, Bogislavs, New York, N. Y. Shoe. Des. 93,805; Nov. 6.
- Zegorav, Bogislavs, New York, N. Y. Shoe. Des. 93,861; Nov. 13.
- Zeh, Edmund W., Newark, N. J. Ejector for power presses. 1,951,229; Mar. 13.
- Zeh, Edmund W., Newark, N. J. Power driven button press. 1,964,840; July 3.
- Zeh, Ludwig. (See Taube, C., Zeh, and Hilger.)
- Zeh, Martin, Friedenau, Berlin, Germany, assignor to General Electric Company. Tone-arm for electric phonographs. 1,976,470; Oct. 9.
- Zehender, Val, New Orleans, La. Dough and flour salvager. 1,958,808; May 15.
- Zehnbauer, Charles W., Belleville, N. J. Automobile tire skate. 1,970,159; Aug. 14.
- Zehrlaut, Herbert A. R., New York, N. Y., assignor to Zeco Research Corporation, Wilmington, Del. Self-reinforcing and/or antislipping veined object. 1,970,830; Aug. 21.
- Zeidler, Gustav A., Jr., Medford Station, N. Y. Drilling wells. 1,983,428; Dec. 4.
- Zeidler, Kurt E., Chicago, Ill. Friction shock absorbing mechanism. 1,951,385; Mar. 20.
- Zeier, Frederick F. (See Christensen, N. V., and Zeier.)
- Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,950,336; Mar. 6.
- Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,950,337; Mar. 6.
- Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Spool stand for sewing machines. 1,957,125; May 1.
- Zeiger, Le Roy H., Hampton, Iowa. Treadle switch. 1,975,527; Oct. 2.
- Zeigler, Maxwell T., assignor to Central Ice and Cold Storage Company, Huntington Park, Calif. Evaporating unit for refrigeration. 1,976,101; Oct. 9.
- Zeimet, Frank, assignor to Ad Seidel & Sons, Chicago, Ill. Artificial flower. 1,970,265; Aug. 14.
- Zeiner, Eugene F., Flushing, N. Y., assignor to The Philip Carey Manufacturing Company. Expansion joint for insulated structures. 1,972,508; Sept. 4.
- Zeiser, Ewald, Webster Groves, Mo. Advertising sign. Des. 91,343; Jan. 9.
- Zeiss, Carl. (See Castendijk, Robertus J., assignor.)
- Zeiss, Carl. (See Eisenhut, Hugo, assignor.)
- Zeiss, Carl. (See Siendontopf, Henry, assignor.)
- Zeiss, Carl, firm. (See Bauersfeld, Walther, assignor.)
- Zeiss, Carl, firm of. (See Beck, Heinrich, assignor.)
- Zeiss, Carl, firm of. (See Hansen, Gerhard, assignor.)
- Zeiss, Carl, the firm of. (See Hauser, F., Hübschmann, and Schmaltz, assignors.)
- Zeiss, Carl, the firm. (See König, Albert, assignor.)
- Zeiss, Carl, firm. (See Kühne, Konrad, assignor.)
- Zeiss, Carl, firm. (See Langenhagen, E., and Mechau, assignors.)
- Zeiss, Carl, the firm of. (See Mechau, Robert, assignor.)
- Zeiss, Carl, firm. (See Meyer, Franz, assignor.)
- Zeiss, Carl, firm of. (See Richter, Robert, assignor.)
- Zeiss, Carl, firm. (See Sauer, Hans, assignor.)
- Zeiss, Carl, firm. (See Schubert, Walter, assignor.)
- Zeiss, Carl, firm of. (See Sonnenberger, Heinrich, assignor.)
- Zeiss, Carl, firm of. (See Straubel, Rudolf, assignor.)
- Zeiss, Carl, the firm. (See van Albada, Lieuwe E. W., assignor.)
- Zeiss, Firm Carl. (See Bauersfeld, W., and Hübschmann, assignors.)
- Zeiss, Firm Carl. (See Bauersfeld, W., and Köhler, assignors.)
- Zeiss, Firm Carl. (See Eppenstein, Otto, assignor.)
- Zeiss, Firm Carl. (See Hübschmann, Max, assignor.)
- Zeiss, Firm Carl. (See Martin, Hans, assignor.)
- Zeiss, Firm Carl. (See Merté, Willy, assignor.)
- Zeiss, firm Carl. (See Scheller, Ernst, assignor.)
- Zeiss, Firm Carl. (See Schoute, Cornelius, assignor.)
- Zeiss, Firm Carl. (See Sonnefeld, August, assignor.)
- Zeiss, Firm Carl. (See Straubel, Harald, assignor.)
- Zeiss, firm Carl. (See von Gruber, Otto, assignor.)
- Zeiss, Firm, Carl. (See von Gruber, O., and Pfeiffer, assignors.)
- Zeiss, Firm Carl. (See von Karabetz, Hans, assignor.)
- Zeiss, firm Carl. (See Wandersleb, Ernst, assignor.)
- Zeiss Ikon A.-G. (See Kuppenbender, H., and Nowicki, assignors.)
- Zeiss Ikon, Aktiengesellschaft Dresden. (See Bertele, Ludwig, assignor.)
- Zeiss Ikon, Aktiengesellschaft Dresden. (See Goldberg, Emanuel, assignor.)
- Zeiss Ikon Aktiengesellschaft Goerz-Werk. (See Jacob, Heinrich, assignor.)

- Zeldis, Louis B. (See Wachtel, S., and Zeldis.)
- Zeledon, Ralph G., South Pasadena, Calif. Piston ring. 1,966,782; July 17.
- Zeledon, Ralph G., South Pasadena, Calif. Piston ring. 1,974,386; Sept. 18.
- Zell, David H., Brooklyn, N. Y. Vanity case or analogous article. Des. 93,317; Sept. 11.
- Zell, David H., Brooklyn, N. Y. Vanity case or analogous article. Des. 93,318; Sept. 11.
- Zell, Lucile M., Baltimore, Md. Layer cake holder. 1,976,275; Oct. 9.
- Zellar, Archie R., Woodburn, and G. T. Wadsworth, Gervais, Ore. Crate carrier. 1,976,206; Oct. 9.
- Zeller, Albert P., Baltimore, Md. Window screen. 1,985,270; Dec. 25.
- Zeller, Carl L., et al. (See Hanson, Smith E., assignor.)
- Zeller, Hugo A. (See Miller, Harry J., assignor.)
- Zeller, Joseph A., Gallion, Ohio. Burial casket. 1,958,504; May 15.
- Zeller, Theodore, assignor of one-half to Albert Kaeschele, Chicago, Ill. Bed for automotive vehicles. 1,981,212; Nov. 20.
- Zellers, John A., and R. E. Benner, assignors to Remington Rand, Inc., Buffalo, N. Y. Typewriting machine. Des. 92,222; May 8.
- Zellhoefer, Glenn F. (See Williams, W. W., and Zellhoefer.)
- Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration system. 1,972,580; Sept. 4.
- Zellhoefer, Glenn F., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Air conditioning apparatus. 1,950,349; Mar. 6.
- Zellhoefer, Glenn F., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Automatic control for air conditioning devices. 1,962,098; June 5.
- Zellmann, Rudolf. (See Steingrover, F. A., and Zellmann.)
- Zellstoffabrik Waldhof. (See Kruger, Fritz, assignor.)
- Zellweger, Walter, St. Louis, Mo. Propeller type air circulating fan. 1,981,767; Nov. 20.
- Zelov, Victor I., Rosemont, Pa. Pressure transformer. 1,966,841; July 17.
- Zelsman, Herbert C. (See Hamiel, Dorman E., assignor.)
- Zemaitis, Agatha. (See Zemaitis, Raymond N., assignor.)
- Zemaitis, Raymond N., assignor to A. Zemaitis, Grand Rapids, Mich. Extension table. 1,970,410; Aug. 14.
- Zendman, Isaac, jr., New York, N. Y. Lace. Des. 92,993; Aug. 7.
- Zendman, Isaac, jr., New York, N. Y. Lace. Des. 93,319; Sept. 11.
- Zendman, Isaac, jr., New York, N. Y. Lace. Des. 93,433; Sept. 25.
- Zendman, Isaac, jr., New York, N. Y. Lace. Des. 93,434; Sept. 25.
- Zener, Francis B. (See Ewerhardt, F. H., and Zener.)
- Zenith-Detroit Corporation. (See Sands, Charles C., assignor.)
- Zenith-Detroit Corporation. (See Westcott, Brayton W., assignor.)
- Zenith Machine Company. (See La Casse, William J., assignor.)
- Zenith Radio Corporation. (See Johnson, Frank I., assignor.)
- Zenke, Henry C., Richmond Hill, N. Y. Kick sheet device. 1,961,724; June 5.
- Zenkner, Arthur, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Switching apparatus. 1,965,092; July 3.
- Zenner, George H. (See Dana, L. I., and Zenner.)
- Zenner, George H., Buffalo, N. Y., assignor to The Linde Air Products Company. Lined container. 1,948,477; Feb. 20.
- Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Tape actuating device. 1,973,839; Sept. 18.
- Zeno, Angelo, Dobbs Ferry, N. Y. Signaling device. 1,942,268; Jan. 2.
- Zentmyer, Alberta T., La Canada, Calif. Dish mop. 1,962,675; June 12.
- Zepler, Erich. (See Klotz, E., and Zepler.)
- Zepler, Erich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupling for high frequency circuits. 1,962,227; June 12.
- Zepp, Levisne M., Westminster, Md., assignor to Pittsburgh Plate Glass Company, Columbia Chemical Division, Zanesville, Ohio. Rotary mill feed. 1,974,593; Sept. 25.
- Zerbe, Lewis E., Moneta, Calif. Crown hoist. 1,953,094; Apr. 3.
- Zerbe, Lewis E., Moneta, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Post brake beam. 1,963,344; June 19.
- Zerbe, Lewis E., Moneta, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Rotary machine. 1,976,207; Oct. 9.
- Zerbe, Lewis E., Moneta, and E. Timbs, Los Angeles, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Well drilling equipment for handling drill pipe and casing in high pressure wells. 1,971,473; Aug. 28.
- Zerbe, Alfonso F., New Rochelle, N. Y. Toothbrush. 1,947,324; Feb. 13.
- Zerfing, Robert H., Oneida, N. Y. Burial vault. Des. 91,550; Feb. 20.
- Zerilli, Marius, South Ozone Park, N. Y. Case brush. 1,949,671; Mar. 6.
- Zerk, Oscar U. (See Munson, Burr N., assignor.)
- Zerk, Oscar U., Chicago, Ill. Hosiery and making the same. 1,943,408; Jan. 16.
- Zerk, Oscar U., Chicago, Ill. Cushioning element and making same. 1,959,254; May 15.
- Zerk, Oscar U., Chicago, Ill. Ball joint housing. 1,959,258; May 15.
- Zerk, Oscar U., Chicago, Ill. Sealing means for oscillating members. 1,959,259; May 15.
- Zerk, Oscar U., Chicago, Ill. Dyeing apparatus. 1,959,753; May 22.
- Zerk, Oscar U., Chicago, Ill. Tripod. 1,962,547; June 12.
- Zerk, Oscar U., Chicago, Ill. Tripod. 1,962,548; June 12.
- Zerk, Oscar U., Chicago, Ill. Shackle mechanism. 1,985,708; Dec. 25.
- Zerk, Oscar U., Chicago, Ill. Shackle mechanism. 1,985,709; Dec. 25.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,942,631; Jan. 9.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating means. 1,945,845; Feb. 6.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,955,109; Apr. 17.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Multiplex system of automatic lubrication. 1,955,161; Apr. 17.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Centralized lubricating system. 1,955,162; Apr. 17.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricant metering unit. 1,955,400; Apr. 17.
- Zerk, Oscar U., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricant reservoir and dash pump. 1,958,557; May 15.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,965,021; July 3.
- Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,965,022; July 3.
- Zerk, Oscar U., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Centralized lubricating system. 1,982,093; Nov. 27.
- Zerk, Oscar U., Cleveland, Ohio. Tire cover. 1,947,144; Feb. 13.
- Zerk, Oscar U., Cleveland, Ohio. Tire cover. 1,947,145; Feb. 13.
- Zerk, Oscar U., Cleveland, Ohio. Shackle mechanism. 1,947,146; Feb. 13.
- Zerk, Oscar U., Cleveland, Ohio. Lever. 1,947,147; Feb. 13.
- Zerk, Oscar U., Cleveland, Ohio. Cushioning means and method. 1,954,276; Apr. 10.
- Zerk, Oscar U., Cleveland, Ohio. Cushioning means and method for mechanical joints. 1,954,277; Apr. 10.
- Zerk, Oscar U., Cleveland, Ohio. Wheel spoke cover. 1,959,255; May 15.
- Zerk, Oscar U., Cleveland, Ohio. Cushioning element and making same. 1,959,256; May 15.
- Zerk, Oscar U., Cleveland, Ohio. Hinge bearing. 1,959,257; May 15.
- Zerk, Oscar U., Cleveland, Ohio. Mechanical element and bearing therefor. 1,978,977; Oct. 30.
- Zerman, William C. (See Cowan, H. B., and Zerman.)
- Zern, J. A., Manufacturing Company. (See Luff, Willard J., assignor.)
- Zero Hour Torpedo Company. (See Kinley, Myron M., assignor.)
- Zerweck, Werner, and W. Hechtenberg, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New indigoid vat dyestuffs. 1,961,628; June 5.
- Zerweck, Werner, and W. Hechtenberg, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New indigoid vat dyestuffs. 1,983,888; Dec. 11.
- Zessau, Frank, Los Angeles, Calif. Carrying handle. Des. 91,748; Mar. 13.
- Zetmeir, Emil A., Topeka, Kans. Window weather guard. 1,981,019; Nov. 20.
- Zetsche, Jonni, Hamburg, Germany, and J. Sinclair-Ross, London, England. Control of electric motors. 1,971,803; Aug. 28.
- Zettelmeyer, Peter, et al. (See Buchmüller, Alfred, assignor.)
- Zettergren, Birger. (See Torulf, H. G., and Zettergren.)
- Zetterlund, Bernard. (See Shell, G. A., and Zetterlund.)
- Zetterstrom, Sivert, Belleville, N. J. Slidable faucet valve. 1,978,831; Oct. 30.
- Zetzmann, Hans J., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Keying. 1,984,105; Dec. 11.
- Zeumer, Luise, geb. Kleiber, Karlsruhe in Baden, Germany, assignor to E. Leuner, Zurich, Switzerland. Puzzle lock. 1,980,513; Nov. 13.
- Zeuthen, Ernst, Brooklyn, N. Y. Hydraulically operated automatic refuse loader. 1,953,579; Apr. 3.
- Zidar, Frank, Detroit, Mich. Dual-vario selector tuning device. 1,949,733; Mar. 6.
- Ziebarth, Fritz. (See Clarke, Harry S., assignor.)
- Ziebarth, John E., St. Marys, Ohio. Display and storage rack. 1,951,894; Mar. 20.
- Zieber, William E., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration system. 1,960,471; May 29.
- Zied, Samuel, Philadelphia, Pa. Cover for rumble seats of automobiles. 1,944,053; Jan. 16.
- Ziegler, Charles, Paris, France, assignor, by mesne assignments, to The American Securit Company. Apparatus for tempering glass sheets. 1,944,625; Jan. 23.

- Ziegler, Ernst, Berlin-Wilmersdorf, assignor to Catharina Wiedner, Charlottenburg, near Berlin, Germany. Production of amino acids from substances containing keratin. 1,974,554; Sept. 25.
- Ziegler, George, Bogota, N. J. Grate key. 1,963,877; June 19.
- Ziegler, George J., assignor of one-half to C. J. Heyler, Los Angeles, Calif. Tractor. 1,964,779; July 3.
- Ziegler, George J., assignor of one-half to C. J. Heyler, Los Angeles, Calif. Tractor wheel. 1,964,780; July 3.
- Ziegler, Helen R., Los Angeles, Calif. Glove. Des. 92,223; May 8.
- Ziegler, John G., and A. W. Carlson, Rawlins, Wyo. Type-writer eraser. 1,978,778; Oct. 30.
- Ziegler, Julius F., Vienna, Austria. Transverse driven body. 1,979,184; Oct. 30.
- Ziegler, Karl, Heidelberg, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Alkylation of acid nitriles. 1,958,653; May 15.
- Ziegler, Karl, Heidelberg, assignor to Schering-Kahlbaum, A. G., Berlin, Germany. Alkyl substituted acetamides and producing same. 1,967,388; July 24.
- Ziegler, Paul F., Evanston, Ill., assignor to The Kendall Company, Boston, Mass. Making adhesive tape. 1,953,901; Apr. 3.
- Ziehe, Wilhelm, Berlin-Oberschöneweide, assignor of one-fourth to F. Hochstetter, and one-fourth to E. Staub, Berlin, and one-fourth to H. Staub, Berlin-Charlottenburg, Germany. Cigarette. 1,964,417; June 26.
- Zieley, John D., Belmar, N. J., assignor to Amarel Corporation, Wilmington, Del. Treating hydrocarbons. 1,944,483; Jan. 23.
- Zielinski, Peter, Chicago, Ill. Spring motor. 1,984,206; Dec. 11.
- Zielinski, Peter, assignor of forty per cent to M. Czech, Chicago, Ill. Combined baby buggy and cradle. 1,952,700; Mar. 27.
- Ziemerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Folding display. 1,962,852; June 12.
- Ziems, Elmer A. (See Reaser, W. A., and Ziems.)
- Zierick, Ambrose E. (See Smith, J. A., and Zierick.)
- Zierick, Ambrose E., New York, N. Y. Coin sorting machine. 1,979,659; Nov. 6.
- Zieschang, Carl A., Thorndale, Tex. Tractor middle buster hitch. 1,981,768; Nov. 20.
- Ziesche, Otto P. (See Rezerbis, W., and Ziesche.)
- Ziese, Walter, Mannheim, and K. Pfaff, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of sols and highly dispersed suspensions comprising oxygen-containing metal compounds. 1,951,718; Mar. 20.
- Ziesenheim, Fred C. (See Kelch, W. W., Opie, and Ziesenheim, assignors.)
- Ziesing, William A., Seattle, Wash. Vehicle light. 1,946,379; Feb. 6.
- Ziff, Peter. (See Berman, S., and Ziff.)
- Zigueldé, Robert, Paris, France, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record analyzer. 1,944,678; Jan. 23.
- Zihlman, Joseph E., Wichita Falls, Tex. Wiper for gauge rods. 1,591,079; Mar. 13.
- Zilen, Victor W., Chattanooga, Tenn., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Rotary. 1,976,057; Oct. 9.
- Zilinsky, Dave, New York, N. Y., assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-hole and making the same. 1,945,104; Jan. 30.
- Zim, Jesse G., et al. (See Scott, E. J., and Cutler, assignors.)
- Zim, Jesse G., assignor of forty per cent to M. J. Caulfield and twenty per cent to T. A. McDonough, Medford, Mass. Quoin for locking type. 1,953,668; Apr. 3.
- Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
- Zimarik, John, Akron, Ohio, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,954,974; Apr. 17.
- Zimarik, Louis. (See Cimarik, C. K., and Zimarik.)
- Zimarik, Louis, and C. K. Cimarik, Akron, Ohio, assignors to The Prosperity Company Inc. Syracuse, N. Y. Pressing machine. 1,976,976; Oct. 16.
- Zimber, Raymond M. (See Dumont, A. B., and Zimber.)
- Zimber, Raymond M., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America. Scanning device. 1,963,255; June 19.
- Zimber, Raymond M., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America. Sealing evacuated vessels. 1,967,603; July 24.
- Zimber, Raymond M., Bloomfield, and L. A. Hawthorne, Newark, assignors to Deforest Radio Company, Jersey City, N. J. Device for sealing machines. 1,942,042; Jan. 2.
- Zimber, Raymond M., Bloomfield, and H. Alexander, Jersey City, N. J., assignors, by mesne assignments, to Radio Corporation of America. Branding machine. 1,981,892; Nov. 27.
- Zimbron, Angel, jr., Mexico, D. F., Mexico. Medicament for external use and producing the same. 1,982,148; Nov. 27.
- Zimenez, Manuel R. (See Schneider, G., Petersen, and Zimenez.)
- Ziminski, Theodore, Duluth, Minn. Hip truss. 1,983,829; Dec. 11.
- Zimmer, Adolph, assignor to The Ellsworth Machine Company, Kansas City, Mo. Paper stuffing machine. 1,951,300; Mar. 13.
- Zimmer, Frank X., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Motor vehicle top washer. 1,962,167; June 12.
- Zimmer, George, Buffalo, N. Y. Remote controlled mechanically operated sash lock. 1,953,737; Apr. 3.
- Zimmer Manufacturing Company. (See Ettinger, Joe J., assignor.)
- Zimmer, Meade L., Cordoba, Argentina. Computing machine. 1,982,722; Dec. 4.
- Zimmer, Raymond V., Warsaw, Ind. Attaching a fishing line to a bob. 1,942,738; Jan. 9.
- Zimmer, Samuel B., assignor to H. W. Ritz, Los Angeles, Calif. Screened closure construction. 1,959,514; May 22.
- Zimmer, Sebastian, and S. Koplinka, Locust Valley, N. Y. Self-heating conserve. 1,971,364; Aug. 28.
- Zimmerer, Frederick J., assignor to The Russell Manufacturing Company, Middletown, Conn. Fabric. 1,947,508; Feb. 20.
- Zimmerer, Mark E., assignor to Kingston Products Corporation, Kokomo, Ind. Liquid dispenser. 1,949,639; Mar. 6.
- Zimmerer, Mark E., assignor to Kingston Products Corporation, Kokomo, Ind. Detachable and adjustable motor driven pump unit. 1,970,681; Aug. 21.
- Zimmerli, Adolph, and R. C. Lyon, New Brunswick, N. J., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Purification of organic bodies. 1,957,484; May 8.
- Zimmerli, William F., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del. Purification of molten metal. 1,971,149; Aug. 21.
- Zimmerli, William F., Portage Township, and W. L. Semon, Cuyahoga Falls, Summit County, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber master batch and making the same. 1,942,853; Jan. 9.
- Zimmerman, Arthur C., assignor to The Duro Company, Dayton, Ohio. Portable water softener. 1,958,176; May 8.
- Zimmerman, Arthur G., Westmont, N. J., assignor to Radio Corporation of America. Sound-recording apparatus. 1,943,357; Jan. 16.
- Zimmerman, Emil, Everett, Wash. Solid fuel burner. 1,983,059; Dec. 4.
- Zimmerman, Frank M., Aurora, Ill. Shelving. 1,969,957; Aug. 14.
- Zimmerman, Fred R., Chicago, and V. P. Killelea, Berwyn, assignors, by mesne assignments, to Burton-Dixie Corporation, Chicago, Ill. Tacking machine. 1,944,388; Jan. 23.
- Zimmerman, Harry, Gary, Ind., assignor, by mesne assignments, to Allied Manufacturing Company. Observation device. 1,957,378; May 1.
- Zimmerman, Henry A., Martinsville, Ill. Dispensing container. 1,968,115; July 31.
- Zimmerman, Henry J., assignor of one-third to S. F. Zimmerman, Baltimore, Md. Automobile signal light. 1,952,831; Mar. 27.
- Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co. Chicago, Ill. Gauge for testing cylindrical objects. 1,954,233; Apr. 10.
- Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Cylinder grinding tool adjusting mechanism. 1,957,485; May 8.
- Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Bearing bone. 1,959,891; May 22.
- Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Cylinder grinding tool. 1,978,445; Oct. 30.
- Zimmerman, James G., Madison, Wis. Shadow projector. 1,972,123; Sept. 4.
- Zimmerman, Lester R., assignor to The John B. Canepa Company, Chicago, Ill. Carton or similar article. Des. 91,381; Jan. 16.
- Zimmerman, Paul, assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for the control of blast furnaces. 1,968,548; July 31.
- Zimmerman, Ralph W., Chicago, Ill., assignor to The William Bayley Company, Springfield, Ohio. Window. 1,948,152; Feb. 20.
- Zimmerman, Ralph W., Winnetka, Ill., assignor to The William Bayley Company, Springfield, Ohio. Window. 1,948,153; Feb. 20.
- Zimmerman, Sophia F. (See Zimmerman, Henry J., assignor.)
- Zimmerman, William R., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Shutter. 1,981,407; Nov. 20.
- Zimmermann, Alexander W., assignor of forty-five one-hundredths to J. F. Richards and ten one-hundredths to L. O. Stephens, Arcadia, Fla. Cultivating tool. 1,972,727; Sept. 4.
- Zimmermann, Anthony G., Cincinnati, Ohio. Necktie. 1,975,342; Oct. 2.
- Zimmermann, Fritz, Newark, and H. E. Zschlegner, Woodbridge, assignors to Baker & Co., Inc., Newark, N. J. Electrodepositing rhodium, bath and preparing the same. 1,981,820; Nov. 20.

- Zimmermann, Hans, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Weir. 1,968,780; July 31.
- Zimmermann, Herman G., Bentleigh, Victoria, Australia. Production of mercurized printing plates. 1,949,233; Feb. 27.
- Zimmermann, Lukas, assignor to Chrysler Corporation, Detroit, Mich. Clutch control mechanism. 1,954,234; Apr. 10.
- Zimmermann, Max H., Rye, N. H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Accelerator for vulcanization of rubber. 1,960,197; May 22.
- Zimmermann, Paul. (See Boynton, A. J., Zimmermann, and Hague.)
- Zimmermann, Paul. (See Brassert, H. A., Wille, and Zimmermann.)
- Zimmermann, William, Glendale, N. Y. Making printing surfaces. 1,978,559; Oct. 30.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Feed variator for shapers. 1,960,565; May 29.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Power elevator for shaping machine work tables. 1,960,566; May 29.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Circular table drive for shapers. 1,960,567; May 29.
- Zimmers, Joseph B., assignor of thirty per cent to W. M. Zimmers, twenty per cent to O. L. Herron, and thirty per cent to A. L. Herron, Chicago, Ill. Molding strip. 1,972,283; Sept. 4.
- Zimmers, Wilma M., et al. (See Zimmers, Joseph B., assignor.)
- Zimniak, Edmund A., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Device for opening and folding of outside boxes. 1,954,908; Apr. 17.
- Zindel, Ernst, assignor to Schärer-Nussbaumer & Co., Erlenbach, Switzerland. Mounting device for spools in winding machines. 1,959,606; May 22.
- Zingg, Werner. (See Frolich, H., Hausch, and Zingg.)
- Ziniti, Evelyn, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 93,374; Sept. 18.
- Ziniti, Evelyn, New York, N. Y., assignor to Scholnick Shoe Co., Jamaica Plain, Mass. Shoe. Des. 93,375; Sept. 18.
- Zink, Fred W., assignor to Kales Stamping Company, Detroit, Mich. Rear view mirror. 1,980,149; Nov. 6.
- Zink, John S., Tulsa, Okla. Gas burner. 1,968,731; July 31.
- Zink, Leopold E. (See Bourdic, Jack P., assignor.)
- Zinke, Carl J., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,984,561; Dec. 18.
- Zinky, Raymond V., Salida, Colo. Z fireside tongs. 1,976,977; Oct. 16.
- Zinn, Robert E., Chicago Heights, assignor to Victor Chemical Works, Chicago, Ill. Water softener. 1,979,926; Nov. 6.
- Zinser, Paul R., assignor to Woodall Industries Incorporated, Detroit, Mich. Fabrication of thermo-plastic sheet material. 1,945,718; Feb. 6.
- Zinser, Paul R., assignor to Woodall Industries Incorporated, Detroit, Mich. Making patterns for die structures. 1,979,132; Oct. 30.
- Zinsser & Company, Incorporated. (See Gessler, Albert E., assignor.)
- Zipay, John R., Pittsburgh, Pa. Variable pitch propeller mechanism. 1,977,031; Oct. 16.
- Zipper, Emil, Vienna, Austria. Vehicle wheel. 1,959,754; May 22.
- Zipper, Emil and W., Vienna, Austria. Wheel for automobile vehicles and the like. 1,968,116; July 31.
- Zipper, Walter. (See Zipper, Emil and W.)
- Zipper, Walter, Vienna, Austria. Compact or the like. Des. 92,224; May 8.
- Zirmer, Martin, Portland, Oreg. Construction of cigarettes and the like. 1,983,926; Dec. 11.
- Zisch, George J., West Orange, N. J. Hinged closure. 1,976,426; Oct. 9.
- Zisch, Luise, administratrix. (See Zisch, W., and Jaeger.)
- Zisch, Walter, deceased, Frankfurt-on-the-Main, and G. Jaeger, Neu-Isenburg, L. Zisch, administratrix, assignors to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Preparation of pure beryllium compounds. 1,966,371; July 10.
- Ziska, Adam, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Heat exchange apparatus. 1,959,120; May 15.
- Zitscher, Arthur. (See Laska, L., and Zitscher.)
- Zitscher, Arthur. (See Laska, L., Zitscher, Christ, and Petzold.)
- Zitscher, Arthur, Offenbach-on-the-Main, Germany, assignor to General Aniline Works Inc., New York, N. Y. Water-insoluble azo dyestuff and fiber dyed therewith. 1,957,572; May 8.
- Zitscher, Arthur, Offenbach-on-the-Main, Germany, assignor to General Aniline Works Inc., New York, N. Y. 2-(3'-hydroxynaphthyl-2')-4-hydroxy-6,7-benzopseudoazino-benzenes. 1,975,883; Oct. 2.
- Zitscher, Arthur, Offenbach-on-the-Main, H. Morschel, Cologne-Deutz, and W. Luce, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, New York, N. Y. Azo dyestuffs and fiber dyed therewith. 1,944,539; Jan. 23.
- Zitscher, Arthur, Offenbach-on-the-Main, H. Mildner, Leverkusen-I. G. Werk, and W. Luce, Hofheim-on-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkoxy-2-hydroxynaphthalene-3-carboxylic acids. 1,947,819; Feb. 20.
- Zitscher, Arthur, and W. Seidenfaden, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing preparations and their conversion into dyestuffs. 1,959,995; May 22.
- Zitscher, Arthur, W. Seidenfaden, and K. Jellinek, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing preparation and its conversion to dyestuffs. 1,968,923; Aug. 7.
- Zitscher, Arthur, and W. Seidenfaden, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing preparation and its conversion to dyestuffs. 1,970,070; Aug. 14.
- Zivković, Zaharije, Belgrade, Yugoslavia. Rocking horse, rocking chair, and the like. 1,950,338; Mar. 6.
- Znaniecki, Vincent, Natick, Pa. Water spiral power unit. 1,975,705; Oct. 2.
- Zobel, Friedrich, and H. Reich, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purification of acetylene. 1,973,840; Sept. 18.
- Zobel, Otto J., New York, N. Y., assignor to American Telephone and Telegraph Company. Wave transmission network. 1,977,751; Oct. 23.
- Zodtner, Heinrich. (See Vraný, C., and Zodtner.)
- Zoïnass, Jesse E., assignor to New York Mattress Company, Boston, Mass. Instrument for tufting mattresses or the like. 1,974,887; Sept. 25.
- Zoia, Hector G., Cleveland, Ohio. Service device. 1,948,778; Feb. 27.
- Zoll, Maurice B., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Apparatus for measuring gases. 1,947,370; Feb. 13.
- Zollinger, Ernst, Turin, Italy, assignor to Walter Zollinger, Zurich, Switzerland. Developing appliance. 1,974,353; Sept. 18.
- Zollinger, Fritz, Merseburg, Germany. Steel girder for concrete structures. 1,974,730; Sept. 25.
- Zollinger, John, Oakhurst, N. J. Supporting means for conveyor belts. 1,980,777; Nov. 13.
- Zollinger, Walter. (See Zollinger, Ernst, assignor.)
- Zonino, Frederick. (See Ostling, C. A., and Zonino.)
- Zook, John S., assignor to Burgess Battery Company, Madison, Wis. Battery hand lamp. 1,945,016; Jan. 30.
- Zoppa, Arthur E., New York, N. Y. Method of and apparatus for producing synchronized records. 1,949,771; Mar. 6.
- Zoppa, Arthur E., New York, N. Y. Apparatus for musical reproduction. 1,969,680; Aug. 7.
- Zoppa, Arthur E., New York, N. Y. Musical record and producing same. 1,969,681; Aug. 7.
- Zorn, Hermann, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, and W. Rosinsky, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of high quality lubricating oils. 1,965,952; July 10.
- Zornig, Hermann, H. Newhall, Iowa. Fuse for projectiles. 1,973,738; Sept. 18.
- Zorzi, Carlo, Milan, Italy. Combined motor and compressor. 1,983,260; Dec. 4.
- Zorzi, Carlo, Milan, Italy. Pump or compressor. 1,983,261; Dec. 4.
- Zorzi, Carlo, Milan, Italy. Combined motor and compressor. 1,983,262; Dec. 4.
- Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Railway vehicle buffer mechanism. 1,961,094; May 29.
- Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Buffer. 1,981,980; Nov. 27.
- Zschappel, Fred W. S. (See Renz, William, assignor.)
- Zschiegner, Herbert E. (See Zimmermann, F., and Zschiegner.)
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,950,586; Mar. 13.
- Zubaty, Joseph, Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Temperature indicator. 1,973,838; Sept. 18.
- Zubaty, Joseph, and A. M. Babitch, Flint, Mich. Auxiliary means for fuel pumps. 1,914,340; Jan. 23.
- Zuber, Robert B., Birmingham, Ala. Water protection device. 1,963,539; June 19.
- Zuber, Robert B., Birmingham, Ala. Rolling mill table. 1,967,168; July 17.
- Zuber, Robert B., Birmingham, Ala. Floating bearing. 1,978,876; Oct. 30.
- Zuch, John W. (See Wood, E. O., and Zuch.)
- Zuck, Stanley F., Ann Arbor, assignor to The Independent Stove Company, Owosso, Mich. Heater. Des. 92,124; Apr. 24.
- Zucker, Harry, New York, N. Y. Electric plug receptacle. 1,943,154; Jan. 9.
- Zucker, Milton. (See Moore, C. G., and Zucker.)
- Zuckerman, Roscoe C. (See Scheckler, Gordon F., assignor.)
- Zuckerman, Samuel G., Brooklyn, assignor to Eveready Seat Corporation, New York, N. Y. Toilet seat. 1,950,016; Mar. 6.
- Zucrow, Maurice J., assignor to The Paragon Vaporizer Corporation, Chicago, Ill. Carburetion system. 1,985,271; Dec. 25.

- Zuili, Maurice, Paris, France. Permutation lock. 1,981,408; Nov. 20.
- Zukerman, Roscoe C., Stockton, Calif. Water jug support for motor vehicles. 1,983,060; Dec. 4.
- Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa. Method and apparatus for producing low temperature high pressure liquid carbon dioxide. 1,943,232; Jan. 9.
- Zummach, John G., Milwaukee, Wis. Humidifier. 1,953,794; Apr. 3.
- Zumstein, Fritz, assignor to the firm C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Preparing maleic anhydride and maleic acid. 1,956,482; Apr. 24.
- Zundel, Eugene A., assignor, by mesne assignments, to Seats Inc., Chicago, Ill. Closet seat. 1,949,442; Mar. 6.
- Zündorf, Hellmuth, Cologne, Germany, assignor to American Cable Company, Inc., Bridgeport, Conn. Manufacture of wire ropes. 1,960,426; May 29.
- Zupa, Frank A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switching device. 1,946,261; Feb. 6.
- Zur Löwen, Waldemar, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Nozzle head for the artificial silk stretch-spinning process. 1,942,632; Jan. 9.
- Zur Löwen, Waldemar, Wuppertal-Barmen, Germany, assignor to the firm American Bemberg Corporation, New York, N. Y. Spinning centrifuge. 1,954,510; Apr. 10.
- Zurn, (See Smeltz, H. H., and Zurn.)
- Zuschlag, Theodor, assignor to Swedish American Prospecting Corporation, New York, N. Y. Electrical prospecting. 1,951,386; Mar. 20.
- Zuschlag, Theodor, assignor to Swedish American Prospecting Corporation, New York, N. Y. Electrical prospecting. 1,951,387; Mar. 20.
- Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Method and apparatus for testing electrically conducting bodies. 1,954,975; Apr. 17.
- Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Rotating tube indicating device. 1,964,776; July 3.
- Zwack, Frank B., Cartago, Calif. Baby crib. 1,960,655; May 29.
- Zwayer, William, assignor to The Aero Equipment Corporation, Bryan, Iowa. Expandable chamber motor. 1,965,064; July 3.
- Zwermann, Carl H., deceased, Robinson, Ill.; H. and C. H. Zwermann, jr., executrix and executor. Closet bowl and tank structure. 1,970,789; Aug. 21.
- Zwermann, Carl H., deceased, Robinson, Ill.; H. and C. H. Zwermann, jr., executrix and executor. Lavatory. 1,970,790; Aug. 21.
- Zwermann, Carl H., deceased, Robinson, Ill.; H. and C. H. Zwermann, jr., executrix and executor. Lavatory support. 1,970,791; Aug. 21.
- Zwermann, Carl H., Robinson, Ill., deceased; H. and C. H. Zwermann, jr., executrix and executor. Water closet bowl. 1,981,020; Nov. 20.
- Zwermann, Carl H., jr., executor. (See Zwermann, Carl H.)
- Zwermann, Helene, executrix. (See Zwermann, Carl H.)
- Zwiercan, Francis, Pittsfield, Mass. Headlight focusing gauge. 1,985,393; Dec. 25.
- Zwick, Kurt, assignor to the firm Friedrich Deckel Prazisions-mechanik und Maschinenbau, Munich, Germany. Copying and engraving machine. 1,972,910; Sept. 11.
- Zwicker, Dewey, assignor to Zwicker Knitting Mills, Appleton, Wis. Knitted mitten and making same. 1,941,508; Jan. 2.
- Zwicker Knitting Mills. (See Zwicker, Dewey, assignor.)
- Zwickl, Joseph R., Chicago, Ill. Weighing scale. 1,946,775; Feb. 13.
- Zwicky, Jean, W. F. Hunt, and S. A. Tyler, Slough, England. Filter. 1,971,090; Aug. 21.
- Zwierzina, Oscar, Bern, Switzerland. Arm-rest in vehicles for drivers. 1,984,855; Dec. 18.
- Zwierzynski, Alex, New York, assignor to I. L. Hyman, Brooklyn, N. Y. Electric switch. 1,981,213; Nov. 20.
- Zwietusch, Eduard O., Vienna, Austria, assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic signaling device. 1,966,476; July 17.
- Zwilmeyer, Frithjof. (See Dahlen, M. A., and Zwilmeyer.)
- Zwilmeyer, Frithjof, Hamburg, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Alkyd resinous composition. 1,950,468; Mar. 13.
- Zwilmeyer, Frithjof, Hamburg, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Alkyd resin. 1,975,246; Oct. 2.
- Zwilling, Ludwig, Walldorf, Germany. Wick lighter. 1,963,345; June 19.
- Zwinak, John V., New York, N. Y., assignor to the Government of the United States of America, as represented by Tennessee Valley Authority. Placard or like article. Des. 92,156; May 1.
- Zwingenberger, Otto K. (See Peyser, A. E., and Zwingenberger.)
- Zwingenberger, Paula, administratrix. (See Peyser, A. E., and Zwingenberger.)
- Zworykin, Vladimir K., Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company. Facsimile-transmission system. Re19,314; Sept. 11.
- Zworykin, Vladimir K., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method and system for communication by television. 1,955,899; Apr. 24.
- Zworykin, Vladimir K., Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company. Sorting apparatus. 1,979,722; Nov. 6.
- Zwoyer, Ellsworth B. A., Perth Amboy, N. J., assignor to The General Fuel Briquette Corporation, New York, N. Y. Method and apparatus for controlling the composition and supply of solid carbonaceous material and liquid binding material to a briquetting press. 1,967,073; July 17.
- Zwoyer, Ellsworth B. A., Perth Amboy, and A. L. Stillman, Plainfield, N. J., assignors to The General Fuel Briquette Corporation, New York, N. Y. Carbonizing coal briquettes. 1,950,017; Mar. 6.
- Zygmunt, Frank, Plantsville, Conn. Tool handle. 1,975,343; Oct. 2.
- Zylo Ware Corporation. (See Rey, Stephen, assignor.)
- Zylstra, Joseph, Ashton, Iowa. Heater. 1,951,855; Mar. 20.

LIST OF DISCLAIMERS

- Alexanderson, Ernst F. W., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,907,471; disclaimer filed Apr. 19, 1934; v. 442; p. 262.
- Alles, Gordon A., Monterey Park, Calif. Disclaimer filed by the patentee. No. 1,879,003; disclaimer filed Aug. 29, 1934; v. 446; p. 510.
- Andresen, Viggo Valdemar Julius, Oslo, Norway. Disclaimer filed by the assignee, Maria C. Granger. No. 1,732,492; disclaimer filed Mar. 1, 1934; v. 440; p. 786.
- Apthorpe, William Herbert, London, England. Disclaimer filed by the assignee, Cambridge Instrument Company, Limited. No. 1,940,834; disclaimer filed Oct. 10, 1934; v. 447; p. 1004.
- Astrom, Carl P., East Orange, N. J. Disclaimer filed by the assignee, M. H. Treadwell Company, with the patentee assenting, ratifying and confirming. No. 1,613,153; disclaimer filed Aug. 29, 1934; v. 446; p. 510.
- Aurien, George, and Paul F. Gutmann, St. Louis, Mo. Disclaimer filed by the assignee, Mississippi Glass Company. No. 1,895,779; disclaimer filed July 7, 1934; v. 445; p. 12.
- Ball, Charles F., Milwaukee, Wis. Disclaimer filed by the assignee, Chain Belt Company. No. 1,781,965; disclaimer filed Jan. 3, 1934; v. 438; p. 780.
- Barrett, George J., Beaumont, and Sosthene Robichaux, Saratoga, Tex. Disclaimer filed by the assignee, Reed Roller Bit Company. No. 1,847,424; disclaimer filed Mar. 1, 1934; v. 441; p. 1.
- Bartlett, Kent W., Chicago, Ill. Disclaimer filed by the assignee, Jenkins Petroleum Process Company. No. 1,882,269; disclaimer filed Dec. 7, 1933; v. 438; p. 8.
- Bedford, Alda V., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,784,653; disclaimer filed Aug. 4, 1934; v. 446; p. 260.
- Behrman, Marcus B., Brooklyn, N. Y. Disclaimer filed by the assignee, American Safety Razor Corporation. No. 1,739,280; disclaimer filed June 21, 1934; v. 445; p. 280.
- Benedict, Frank, Rutherford, N. J. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,824,113; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Bennett, Claude C., Seattle, Wash. Disclaimer filed by the patentee, the assignee, A. E. Faregen, Inc., joining. No. 1,653,249; disclaimer filed Sept. 22, 1934; v. 447; p. 767.
- Bergner, John C., Philadelphia, Pa. Disclaimer filed by the assignee, Doughnut Corporation of America. No. 1,702,191; disclaimer filed June 29, 1934; v. 444; p. 763.
- Bitter, Jack L., Elizabethton, and Richard Ellsner, Johnson City, Tenn. Disclaimer filed by the assignee, North American Rayon Corporation. No. 1,867,610; disclaimer filed Nov. 10, 1934; v. 449; p. 12.
- Bockmühl, Max, Gustav Ehrhart, and Leonhard Stein, Frankfurt-on-the-Main, Germany. Disclaimer filed by the assignee, Winthrop Chemical Company, Inc. No. 1,877,795; disclaimer filed Sept. 13, 1934; v. 447; p. 506.
- Bohn, William C., Wyoming, N. J. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,747,218; disclaimer filed Mar. 6, 1934; v. 440; p. 786.
- Borst, Jr., Andrew J., Buffalo, N. Y. Disclaimer filed by the assignee, Fruehauf Trailer Company. (Two cases) Nos. 1,874,352 and 1,383,381; disclaimers filed Feb. 17, 1934; v. 440 p. 287.

- Bostwick, Lee G., East Orange, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,907,723; disclaimer filed Mar. 28, 1934; v. 441; p. 516.
- Bown, Ralph, Maplewood, N. J. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,747,220; disclaimer filed Mar. 6, 1934; v. 440; p. 787.
- Boyce, Leonard D., Maplewood, Mo. Disclaimer filed by the patentee and the assignee, Carter Carburetor Corporation. No. 1,947,693; disclaimer filed Apr. 10, 1934; v. 442; p. 8.
- Bragg, Caleb S., Palm Beach, Fla. Disclaimer filed by the assignee, Bragg-Kliesrath Corporation. No. 1,583,117; disclaimer filed Mar. 10, 1934; v. 440; p. 786.
- Breisky, John V., Pittsburgh, Pa. Disclaimer filed by the patentee, the assignee, Westinghouse Electric & Manufacturing Company, consenting. No. 1,872,560; disclaimer filed Sept. 22, 1934; v. 447; p. 768.
- Brixner, Frederick, Rochester, N. Y. (Two cases.) Disclaimers filed by the assignee, General Railway Signal Company. No. 1,824,117; Disclaimers filed Feb. 16 and July 28, 1934; v. 440 and 445; p. 289 and 543.
- Brunson, Herman Alexander, Philadelphia and Germantown, Pa. (Six cases.) Disclaimers filed by the patentee, the assignee, The Restrooms Products & Chemical Company, approving. Nos. 1,779,367, 1,783,165 and 1,763,167; disclaimers filed Apr. 27, June 2, June 19, and Oct. 18, 1934; v. 442, 443, 444 and 448; p. 1067, 838, 260, and 273.
- Burnett, Richard W., Chicago, Ill. Disclaimer filed by the patentee. No. 1,879,973; disclaimer filed Mar. 29, 1934; v. 441; p. 791.
- Carpenter, Glenn W., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,792,275; disclaimer filed Nov. 24, 1934; v. 449; p. 505.
- Carr, Raymond L., Boston, Mass. Disclaimer filed by the patentee. No. 1,929,409; disclaimer filed Aug. 28, 1934; v. 446; p. 510.
- Carlson, Wendell L., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,770,838; disclaimer filed Mar. 15, 1934; v. 441; p. 1.
- Christian, Joseph D., San Francisco, Calif. Disclaimer filed by the assignee, The Falk Corporation. No. 1,860,703; disclaimer filed Sept. 29, 1934; v. 447; p. 768.
- Chubb, Lewis W., Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric & Manufacturing Company. No. 1,894,979; disclaimer filed Aug. 3, 1934; v. 445; p. 773.
- Clement, Alvah W., East Cleveland, Ohio. Disclaimer filed by the assignee, American Stainless Steel Company, and Electro Metallurgical Company. No. 1,365,091; disclaimer filed Aug. 13, 1934; v. 446; p. 12.
- Coffey, John B., Boston, Mass. Disclaimer filed by the assignee, United Shoe Machinery Corporation. No. 1,926,037; disclaimer filed Sept. 21, 1934; v. 447; p. 768.
- Collins, William D., and Clyde Edward Ploeger, Evansville, Ind. Disclaimer filed by the assignee, Servel, Inc. No. 1,837,253; disclaimer filed Aug. 24, 1934; v. 446; p. 510.
- Couch, Forrest J., Spencerport, and James F. Wallace, Rochester, N. Y. Disclaimer filed by the assignee, The Apex Electrical Manufacturing Company. No. 1,325,234; disclaimer filed July 13, 1934; v. 445; p. 280.
- Coxhead, Harry B., Hollis, N. Y. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,804,526; disclaimer filed Mar. 16, 1934; v. 441; p. 259.
- Currier, Hiram D., Chicago, Ill. Disclaimer filed by the assignee, Kellogg Switchboard & Supply Company. No. 1,428,762; disclaimer filed Nov. 20, 1934; v. 449; p. 505.
- Dambacher, Fritz, Chemnitz-Sa, Germany. Disclaimer filed by the assignee, E. F. Houghton and Company. No. 1,957,324; disclaimer filed July 31, 1934; v. 445; p. 773.
- Dante, Joseph J., Bantam, Conn. Disclaimer filed by the assignee, Cutler-Hammer, Inc. No. 1,795,641; disclaimer filed Mar. 31, 1934; v. 441; p. 791.
- Darling, Alan G., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,920,783; disclaimer filed Mar. 10, 1934; v. 441; p. 1.
- De Cew, Judson A., New York, N. Y. Disclaimer filed by the assignee, Process Engineers, Inc. No. 1,589,947; disclaimer filed Nov. 8, 1934; v. 449; p. 12.
- Dicke, Oscar H., Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,795,084; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Dicke, Oscar H., and Neil D. Preston, Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,794,591; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Doble, William A., Jr., Berkeley, Calif. Disclaimer filed by the patentee. No. 1,913,433; disclaimer filed May 4, 1934; v. 442; p. 1068.
- Dodgson, Frank L., Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,824,127; disclaimer filed July 28, 1934; v. 445; p. 543.
- Doherty, Henry L., New York, N. Y. Disclaimer filed by the assignee, Doherty Research Company. No. 1,597,674; disclaimer filed Mar. 8, 1934; v. 440; p. 786.
- Donovan, Norman L., Jersey City, N. J. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,824,748; disclaimer filed Feb. 16, 1934; v. 440; p. 290.
- Dunham, Roy O., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,804,328; disclaimer filed Apr. 27, 1934; v. 442; p. 1067.
- Dunlop, James, Park Ridge, Ill. Disclaimer filed by the assignee, Westinghouse Electric Elevator Company. No. 1,871,213; disclaimer filed June 1, 1934; v. 443; p. 572.
- Eads, Charles W., Oakland, Calif. Disclaimer filed by the assignee, Northam Warren Corporation. No. 1,467,614; disclaimer filed June 6, 1934; v. 443; p. 837.
- Eames, William F., Wilkesburg, Pa. Disclaimer filed by the assignee, Westinghouse Electric & Manufacturing Company. No. 1,822,085; disclaimer filed Feb. 3, 1934; v. 439; p. 541.
- Eaton, William A., and Stephen Vorech, Pittsburgh, Pa. Disclaimer filed by the assignee, Bendix-Westinghouse Automotive Air Brake Company. No. 1,938,745; disclaimer filed June 22, 1934; v. 444; p. 764.
- Egloff, Gustav, Chicago, Ill. Disclaimer filed by the patentee, the assignee, Universal Oil Products Company, approving and concurring. No. 1,561,779; disclaimer filed Jan. 2, 1934; v. 438; p. 779.
- Emery, James H., New York, N. Y. Disclaimer filed by the patentee. No. 1,390,349; disclaimer filed Dec. 23, 1933; v. 438; p. 533.
- Ewart, Hubert E., Mount Lebanon, Pa. Disclaimer filed by the assignee, United Engineering & Foundry Company. No. 1,898,007; disclaimer filed Mar. 6, 1934; v. 440; p. 787.
- Farmer, Clyde C., Pittsburgh, and Thomas H. Thomas, Edgewood, Pa. Disclaimer filed by the assignee, The Westinghouse Air Brake Company, the patentee, Clyde C. Farmer and Mable M. Thomas, executrix, of Thomas H. Thomas, concurring and assenting. Re. No. 16,814; disclaimer filed Mar. 27, 1934; v. 445; p. 12.
- Farnsworth, Philo T., Berkeley, Calif. Disclaimer filed by the patentee. No. 1,844,949; disclaimer filed July 7, 1934; v. 445; p. 12.
- Faulkner, David S., Los Angeles, Calif. Disclaimer filed by the assignees, The National Supply Company and Emsco Derrick & Equipment Company. No. 1,875,430; disclaimer filed Mar. 23, 1934; v. 441; p. 260.
- Fayer, Charles, Flushing, N. Y. (Two cases.) Disclaimers filed by the assignee, Wappler Electric Company, Inc. Nos. 1,695,485 and 1,874,478; disclaimers filed Mar. 21, 1934; v. 441; pp. 259 and 260.
- Ferris, Seymour W., Lansdowne, Pa. Disclaimer filed by the assignee, The Atlantic Refining Company. No. 1,874,947; disclaimer filed Feb. 15, 1934; v. 440; p. 8.
- Finch, James L., Rocky Point, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,844,950; disclaimer filed July 18, 1934; v. 445; p. 544.
- Gardner, Thomas P., Port Arthur, Tex. Disclaimer filed by the assignee, The Texas Company. No. 1,877,292; disclaimer filed Aug. 28, 1934; v. 446; p. 510.
- Gastrich, Gustav, Wyomissing, Pa. Disclaimer filed by the assignee, Textile Machine Works. No. 1,837,214; disclaimer filed Apr. 10, 1934; v. 442; p. 8.
- Gerken, Howard S., Buffalo, N. Y. Disclaimer filed by the assignee, Gravel Products Corporation. No. 1,729,070; disclaimer filed June 7, 1934; v. 443; p. 838.
- Grab, Eugene G., Washington, D. C. Disclaimer filed by the assignee, National Fruit Products Company, Inc. No. 1,557,358; disclaimer filed Apr. 20, 1934; v. 442; p. 539.
- Graves, George D., Wilmington, Del. Disclaimer filed by the assignee, E. I. du Pont de Nemours & Company. No. 1,794,453; disclaimer filed Mar. 31, 1934; v. 441; p. 791.
- Greenwalt, Mary Hallock, Philadelphia, Pa. Disclaimer filed by the patentee. Re. 16,825; disclaimer filed Dec. 23, 1933; v. 438; p. 533.
- Greenwood, Henry B., Glenarm, Md. Disclaimer filed by the patentee. No. 1,868,385; disclaimer filed May 7, 1934; v. 442; p. 1067.
- Griffith, Ronald George, Croydon, England. Disclaimer filed by the assignee, Creed and Company, Limited. No. 1,905,090; disclaimer filed Oct. 11, 1934; v. 447; p. 1004.
- Hall, Chester I., Fort Wayne, Ind. Disclaimer filed by the assignee, General Electric Company. No. 1,590,025; disclaimer filed May 17, 1934; v. 443; p. 1.
- Hamilton, Karl M., Chicago, Ill. Disclaimer filed by The Bettendorf Company. No. 1,801,234; disclaimer filed Dec. 27, 1933; v. 438; p. 534.
- Hayes, Harvey C., Washington, D. C. Disclaimer filed by the patentee. No. 1,787,536; disclaimer filed Jan. 3, 1934; v. 438; p. 780.
- Hentschel, Ernest R., Washington, D. C. Disclaimer filed by the assignee, Wired Radio Inc. No. 1,877,128; disclaimer filed Sept. 6, 1934; v. 447; p. 12.
- Hill, Joseph Bennett, Wynnewood, Pa. Disclaimer filed by the assignee, The Atlantic Refining Company. No. 1,883,374; disclaimer filed Jan. 17, 1934; v. 439; p. 8.
- Hogan, Jay J., Erie, Pa. Disclaimer filed by the assignee, The Bryant Electric Company. No. 1,749,536; disclaimer filed Jan. 16, 1934; v. 439; p. 541.
- Holzauer, Alois, Jr., Milwaukee, Wis. Disclaimer filed by the assignee, Holzauer Products Corporation, and the patentee. No. 1,721,663; disclaimer filed Dec. 11, 1933; v. 438; p. 8.

- Howe, Winthrop K., Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,551,515; disclaimer filed Feb. 16, 1934; v. 440; p. 287.
- Howes, Raymond T., Los Angeles, Calif. Disclaimer filed by the assignee, Petroleum Rectifying Company of America. No. 1,891,645; disclaimer filed May 28, 1934; v. 443; p. 572.
- Hudson, David W., Green Bay, Wis. Disclaimer filed by the patentee, the exclusive licensee, Hoberg Paper and Fibre Company, acquiescing. No. 1,484,069; disclaimer filed Mar. 27, 1934; v. 441; p. 791.
- Huenlich, Charles, Bloomfield, N. J. Disclaimer filed by the patentee and the assignee, Thomas A. Edison, Incorporated. No. 1,812,957; disclaimer filed Apr. 13, 1934; v. 442; p. 262.
- Ingersoll, Howard L., White Plains, N. Y. Disclaimer filed by the patentee, and the assignees, Locomotive Booster Company and Franklin Railway Supply Company. No. 1,375,293; disclaimer filed Oct. 23, 1934; v. 448; p. 272.
- Jackson, George P., and Kurt Toensfeldt, Flushing, N. Y., and Harry Steele, Newark, N. J. Disclaimer filed by Wilfred R. Wood and Irving Trust Company, as receivers of International Combustion Engineering Corporation. No. 1,786,909; disclaimer filed February 19, 1934; v. 440; p. 787.
- Jenkins, Charles Francis, Washington, D. C. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,785,262; disclaimer filed Aug. 16, 1934; v. 446; p. 260.
- Jenkins, Charles Howard, Chicago, Ill. Disclaimer filed by the assignee, Jenkins Petroleum Process Company, and the patentee. No. 1,827,018; disclaimer filed Oct. 17, 1934; v. 448; p. 273.
- Jennings, Ode D., Palatine, Ill. Disclaimer filed by the assignee, O. D. Jennings & Company. No. 1,562,771; disclaimer filed Aug. 13, 1934; v. 446; p. 12.
- Jerguson, Philip A., West Medford, Mass. Disclaimer filed by the patentee. No. 1,947,910; disclaimer filed Apr. 18, 1934; v. 442; p. 262.
- Johnson, John Kelly, Hartsdale, N. Y. Disclaimer filed by the assignee, Hazeltine Corporation. No. 1,835,054; disclaimer filed Nov. 12, 1934; v. 449; p. 12.
- Kadel, Byers W., Baltimore, Md. (Two cases.) Disclaimers filed by the assignee, Wine Railway Appliance Company. Nos. 1,733,736 and 1,737,927; disclaimers filed Sept. 18, 1934; v. 447; pp. 505 and 506.
- Keller, John P., Orangeburg, N. Y. Disclaimer filed by the patentee, and the assignee, The Fibre Conduit Company. No. 1,916,840; disclaimer filed June 6, 1934; v. 443; p. 838.
- Kinkead, Fullerton S., New York, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,946,216; disclaimer filed Oct. 25, 1934; v. 448; p. 505.
- Kirsch, Benjamin, Chicago, Ill. Disclaimer filed by the assignee, Auto Radiator Manufacturing Company. No. 1,849,934; disclaimer filed Sept. 1, 1934; v. 447; p. 12.
- Klemm, Jr., Emil R., and Frederick O. Singer, Chicago, Ill. Disclaimer filed by the assignee, Klemm Automotive Products Company. No. 1,915,188; disclaimer filed June 29, 1934; v. 444; p. 764.
- Kliefoth, Max H., Madison, Wis. Disclaimer filed by the assignee, The Patent and Licensing Corporation. No. 1,875,018; disclaimer filed July 7, 1934; v. 445; p. 12.
- Knight, Joseph C., Brockton, Mass. Disclaimer filed by the patentee. No. 1,584,230; disclaimer filed Dec. 23, 1933; v. 438; p. 779.
- Kolster, Frederick A., Palo Alto, Calif. Disclaimer filed by the assignee, Federal Telegraph Company. No. 1,830,948; disclaimer filed Oct. 23, 1934; v. 448; p. 274.
- Kropp, Walter, Elberfeld, near Cologne-on-the-Rhine, Germany. Disclaimer filed by the assignee, I. G. Farbenindustrie Aktiengesellschaft. No. 1,845,755; disclaimer filed June 22, 1934; v. 444; p. 763.
- Kurtz, Jr., Stewart S., Merion, Pa. Disclaimer filed by the assignee, The Atlantic Refining Company. No. 1,899,969; disclaimer filed Feb. 15, 1934; v. 440; p. 8.
- Langford, George, Joliet, Ill. Disclaimer filed by the patentee, the assignee, McKenna Process Company of Illinois, assenting. Re. No. 18,213; disclaimer filed Aug. 6, 1934; v. 446; p. 12.
- Leake, Richard C., Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,794,628; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Lecher, Hans, Leverkusen, and Albert Koch, Cologne-Deutz, Germany. Disclaimer filed by the assignee, I. G. Farbenindustrie Aktiengesellschaft. No. 1,789,873; disclaimer filed June 22, 1934; v. 444; p. 763.
- Lester, William W., Cincinnati, Ohio. Disclaimer filed by the patentee. No. 1,389,059; disclaimer filed Mar. 30, 1934; v. 441; p. 791.
- Lindblad, Harmon E., Brookline, Mass. Disclaimer filed by the assignee, The Lindblad Corporation, and the mortgagee, Robert T. Duffy. No. 1,813,940; disclaimer filed Jan. 11, 1934; v. 438; p. 989.
- Lovell, Stanley P., Brockton, Mass. Disclaimer filed by the assignee, Celastic Corporation. No. 1,256,240; disclaimer filed March 16, 1934; v. 441; p. 259.
- Lovell, Stanley P., Brockton, Mass. Disclaimer filed by the assignee, Celastic Corporation. No. 1,353,599; disclaimer filed Mar. 21, 1934; v. 441; p. 259.
- MacDonald, William A., Little Neck, N. Y. Disclaimer filed by the patentee, the assignee, Hazeltine Corporation, consenting. No. 1,892,354; disclaimer filed Jan. 15, 1934; v. 438; p. 990.
- Maddock, Alan Julian, Wallsend-on-Tyne, England. Disclaimer filed by the assignee, General Electric Company. No. 1,874,774; disclaimer filed Aug. 4, 1934; v. 446; p. 260.
- McCormick, Francis H., Glen Ellyn, Ill. Disclaimer filed by the assignee, Edison General Electric Appliance Company. No. 1,892,557; disclaimer filed Aug. 1, 1934; v. 445; p. 773.
- McGary, Stanton U., Walter F. Rogers, and Stanley Gill, Houston, Tex. Disclaimer filed by the assignee, Gulf Research & Development Corporation. No. 1,790,643; disclaimer filed Jan. 20, 1934; v. 439; p. 541.
- McLaine, William L., Los Angeles, Calif. Disclaimer filed by the patentee, said McLaine, Willard L. Burrough, assignee of one-half interest, and Baker Oil Tools, Inc., exclusive licensee. No. 1,491,915; disclaimer filed Mar. 26, 1934; v. 441; p. 516.
- Mercur, Nathan L., McKeesport, Pa. Disclaimer filed by the assignee, Minneapolis-Honeywell Regulator Company. No. 1,871,071; disclaimer filed May 5, 1934; v. 442; p. 1067.
- Michl, Robert, Kosice, Czechoslovakia. Disclaimer filed by the assignee, The Hammond Clock Company, with the patentee consenting and joining as owner of a reversionary interest. Re. No. 17,779; disclaimer filed Aug. 9, 1934; v. 446; p. 12.
- Miessner, Benjamin F., South Orange, N. J. Disclaimer filed by the patentee, the assignee, Radio Corporation of America, assenting. No. 1,834,414; disclaimer filed Mar. 1, 1934; v. 440; p. 787.
- Münch, Eduard, Ludwigshafen-on-the-Rhine, Germany. Disclaimer filed by the assignee, I. G. Farbenindustrie Aktiengesellschaft. No. 1,735,407; disclaimer filed July 5, 1934; v. 445; p. 12.
- Myers, George Francis, New York, N. Y. Disclaimer filed by the patentee, the licensee, James E. Gallagher, Jr., consenting. No. 1,903,009; disclaimer filed Sept. 12, 1934; v. 447; p. 230.
- Nagel, Hugo, London, England. Disclaimer filed by the assignees, Arthur Blackburn and Robert Forgie Hunter. No. 1,915,944; disclaimer filed June 7, 1934; v. 444; p. 260.
- Offenhauser, Jr., William H., New York, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,855,196; disclaimer filed July 21, 1934; v. 445; p. 544.
- Parker, George David, Riverside, Calif. Disclaimer filed by Clara B. Parker, as executrix. No. 1,576,213; disclaimer filed May 14, 1934; v. 443; p. 1.
- Parsons, Fred A., Milwaukee, Wis. Disclaimer filed by the assignee, Kearney & Trecker Corporation. No. 1,740,744; disclaimer filed Oct. 8, 1934; v. 447; p. 1003.
- Pasternack, Richard, and Richard W. Burnham, Brooklyn, N. Y. Disclaimer filed by the assignee, Charles Pfizer & Company, the patentee assenting, ratifying and confirming. No. 1,890,948; disclaimer filed Oct. 24, 1934; v. 448; p. 505.
- Pedersen, John D., Jackson, Wyo. Disclaimer filed by the patentee. No. 1,815,524; disclaimer filed Dec. 20, 1933; v. 438; p. 534.
- Pedersen, Julius, Bridgeport, Conn. Disclaimer filed by the patentee. No. 1,850,331; disclaimer filed May 2, 1934; v. 442; p. 1066.
- Penn, Albert, Des Moines, Iowa. Disclaimer filed by the assignee, Penn Electric Switch Co. No. 1,918,612; disclaimer filed Aug. 25, 1934; v. 446; p. 510.
- Pieper, Ernest J., Lancaster, Pa. Disclaimer filed by the assignee, Armstrong Cork Company. No. 1,845,330; disclaimer filed May 10, 1934; v. 442; p. 1067.
- Plank, Ray, Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. No. 1,852,368; disclaimer filed Feb. 16, 1934; v. 440; p. 290.
- Ploeger, Clyde E., Evansville, Ind. Disclaimer filed by the assignee, Servel, Inc. No. 1,838,040; disclaimer filed July 27, 1934; v. 445; p. 544.
- Ploeger, Clyde E., and William D. Collins, Evansville, Ind. Disclaimer filed by the assignee, Servel, Inc. No. 1,838,041; disclaimer filed Aug. 24, 1934; v. 446; p. 510.
- Poepfelmeier, Frank H., Dayton, Ohio. Disclaimer filed by the assignee, Set-O-Type Manufacturing Company. No. 1,975,799; disclaimer filed Oct. 10, 1934; v. 447; p. 1004.
- Pollock, Robert T., Boston, Mass. Disclaimer filed by the patentee, the assignee, Universal Oil Products Company, approving and concurring. No. 1,550,568; disclaimer filed Jan. 2, 1934; v. 438; p. 779.
- Putnam, Mark E., Midland, Mich. Disclaimer filed by the assignee, The Dow Chemical Company. No. 1,858,640; disclaimer filed May 3, 1934; v. 442; p. 1067.
- Ranken, Harold R., Philadelphia, Pa. Disclaimer filed by the assignee, Leeds and Northrup Company. No. 1,934,882; disclaimer filed Nov. 13, 1934; v. 449; p. 12.
- Reid, Frederick Malcolm, Detroit, Mich. Disclaimer filed by the patentee, the assignee, Fruehauf Trailer Corporation, consenting. No. 1,925,279; disclaimer filed Oct. 10, 1934; v. 447; p. 1004.

- Reisner, William H., Hagerstown, Md. Disclaimer filed by the patentee and the assignee, The W. H. Reisner Manufacturing Co. No. 1,769,966; disclaimer filed Mar. 31, 1934; v. 441; p. 791.
- Reynolds, Joseph S., Long Beach, Calif. Disclaimer filed by Olive M. Reynolds, trustee of the estate of Joseph S. Reynolds, deceased. No. 1,642,826; disclaimer filed Dec. 26, 1933; v. 438; p. 533.
- Roberts, Montague H., Englewood, N. J. Disclaimer filed by the assignee, Franklin Railway Supply Company. No. 1,600,427; disclaimer filed Oct. 23, 1934; v. 448; p. 273.
- Roberts, Montague H., Englewood, N. J., and Frank R. Peters, New York, N. Y. Disclaimer filed by the assignee, Franklin Railway Supply Company. No. 1,602,124; disclaimer filed Oct. 23, 1934; v. 448; p. 273.
- Robinson, Preston, and Joseph L. Collins, North Adams, Mass. Disclaimer filed by the assignee, Sprague Specialties Company. No. 1,916,586; disclaimer filed Mar. 30, 1934; v. 441; p. 792.
- Rupf, Ernest L., West New Brighton, N. Y. Disclaimer filed by the patentee. No. 1,903,921; disclaimer filed Sept. 22, 1934; v. 447; p. 768.
- Schreiber, Gustav, Bitterfeld, Germany. Disclaimer filed by the assignee, Magnesium Development Corporation, with I. G. Farbenindustrie Aktiengesellschaft, assenting and joining. No. 1,902,905; disclaimer filed May 26, 1934; v. 443; p. 572.
- Schwartz, Morris, Chicago, Ill. Disclaimer filed by the assignee, American Flange & Manufacturing Co., Inc. No. 1,513,637; disclaimer filed Feb. 9, 1934; v. 440; p. 8.
- Seaborne, Charles R., Niagara Falls, N. Y. Disclaimer filed by the assignee, American Lakes Paper Company. No. 1,517,018; disclaimer filed Sept. 22, 1934; v. 447; p. 767.
- Seaver, Elliot O., Meadville, Pa. Disclaimer filed by the assignee, Hookless Fastener Company. No. 1,830,077; disclaimer filed June 16, 1934; v. 444; p. 260.
- Seeley, Harold T., Yeadon, Pa. Disclaimer filed by the assignee, General Electric Company. No. 1,843,788; disclaimer filed Nov. 9, 1934; v. 449; p. 12.
- Sellman, Folke Emil, Scarsdale, N. Y. Disclaimer filed by the assignee, Electrolux Servel Corporation. No. 1,949,663; disclaimer filed Aug. 24, 1934; v. 446; p. 510.
- Sherman, Francis H., Palmer, Mass. Disclaimer filed by the patentee. No. 1,741,741; disclaimer filed Mar. 19, 1934; v. 441; p. 259.
- Sindeband, Maurice L., and Joseph W. Milnor, New York, N. Y. Disclaimer filed by the assignee, Westinghouse Electric & Manufacturing Company. No. 1,571,304; disclaimer filed May 3, 1934; v. 442; p. 1067.
- Slama, Franz, and Hans Wolf, Ludwigshafen-on-the-Rhine, Germany. Disclaimer filed by the assignee, The General Electric Company. No. 1,371,004; disclaimer filed Apr. 13, 1934; v. 442; p. 262.
- Smythe, Edwin H., Evanston, Ill. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,821,586; disclaimer filed Mar. 31, 1934; v. 442; p. 8.
- Sonneborn, John R., Willow Grove, Pa. Disclaimer filed by the assignee, Autokraft Box Corporation. No. 1,646,563; disclaimer filed Sept. 18, 1934; v. 447; p. 505.
- Stevenson, Earl P., Newton; and Ben B. Fogler, Belmont, Mass. Disclaimer filed by the assignee, Lever Brothers Company. No. 1,779,517; disclaimer filed Mar. 21, 1934; v. 441; p. 259.
- Syer, Charles A., Forest Hills, Pa. Disclaimer filed by the assignee, Western Electric & Manufacturing Co. No. 1,905,251; disclaimer filed May 10, 1934; v. 442; p. 1068.
- Sundback, Gideon, Meadville, Pa. (Six cases.) Disclaimers filed by the assignee, Hookless Fastener Company. No's. 1,243,458, 1,331,884, 1,467,015, 1,566,996 (2), and 1,813,433; disclaimers filed Jan. 17, Feb. 12, Mar. 7, June 16, and Nov. 13, 1934; v. 438, 439, 440, 444 and 449; p. 8, 288, 786, 260 and 12.
- Sweet, Laurence A., Los Angeles, Calif. Disclaimer filed by the assignee, Ada West Langford. No. 1,724,978; disclaimer filed Apr. 12, 1934; v. 442; p. 8.
- Swift, George W., Jr., Bordentown, N. J. Disclaimer filed by the assignee, George W. Swift, Jr. Inc. No. 1,951,536; disclaimer filed Nov. 10, 1934; v. 449; p. 12.
- Timbs, Edward, Los Angeles, Calif. Disclaimer filed by The National Supply Company of Delaware. No. 1,821,366; disclaimer filed Dec. 22, 1933; v. 438; p. 534.
- Trainer, James E., Fairlawn, Ohio. Disclaimer filed by the assignee, The Babcock & Wilcox Company. No. 1,924,966; disclaimer filed May 10, 1934; v. 442; p. 1068.
- Trumbull, Harlan L., and John B. Dickson, Akron, Ohio. Disclaimer filed by the assignee, The B. F. Goodrich Company. No. 1,513,139; disclaimer filed Jan. 30, 1934; v. 439; p. 541.
- Tuttle, Malcolm H., Rochelle, N. Y. Disclaimer filed by the assignee, Max B. Miller & Co., Inc. No. 1,912,348; disclaimer filed Sept. 17, 1934; v. 447; p. 506.
- Tyler, Tracy Brooks, Detroit, Mich. Disclaimer filed by the assignee, Steiner Sales Company. No. 1,893,343; disclaimer filed May 17, 1934; v. 443; p. 1.
- Ulrich, Charles A., Hartford, Conn. Disclaimer filed by the assignee, Delta Manufacturing Company. No. 1,896,924; disclaimer filed Oct. 8, 1934; v. 447; p. 1003.
- Ulrich, Heinrich and Curt Schuster, Ludwigshafen-on-the-Rhine, Germany. Disclaimer filed by the assignee, General Aniline Works, Inc. No. 1,935,217; disclaimer filed July 7, 1934; v. 445; p. 12.
- Van der Grinten, Lodewijk Pieter Frans, and Karel Jan Josef van der Grinten, Venlo, Netherlands. Disclaimer filed by the assignee, Charles Bruning Company, Inc. No. 1,841,653; disclaimer filed Sept. 12, 1934; v. 447; p. 230.
- Vanhorn, James J., Pittsburgh, Pa. Disclaimer filed by the assignee, The Union Switch & Signal Company. No. 1,822,913; disclaimer filed Jan. 5, 1934; v. 439; p. 8.
- Van Vulpem, John and Edward A. Russell, Chicago, Ill. Disclaimer filed by the assignee, Vapor Car Heating Company, Inc. No. 1,853,477; disclaimer filed Aug. 8, 1934; v. 446; p. 12.
- Vernam, Gilbert S., River Edge, N. J. Disclaimer filed by the assignee, International Communications Laboratories, Inc. No. 1,895,113; disclaimer filed June 5, 1934; v. 443; p. 838.
- Wallace, Fredrick J., Brooklyn, N. Y. Disclaimer filed by the assignee, Robeson Process Company. No. 1,910,975; disclaimer filed Jan. 10, 1934; v. 438; p. 990.
- Walsh, Lincoln, Elizabeth, N. J. Disclaimer filed by the patentee, the assignee, Hazeltine Corporation, assenting. No. 1,894,503; disclaimer filed May 29, 1934; v. 443; p. 572.
- Watkins, Parke H., Naugatuck, Conn. Disclaimer filed by the assignee, The Naugatuck Chemical Company. No. 1,896,263; disclaimer filed Feb. 15, 1934; v. 440; p. 8.
- Watson, Edward F., Larchmont, N. Y. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,579,263; disclaimer filed Sept. 12, 1934; v. 447; p. 229.
- Watson, Edward F., Larchmont, and Allan Weaver, Brooklyn, N. Y. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,602,469; disclaimer filed Sept. 12, 1934; v. 447; p. 229.
- Wenholz, Walter W., Rochester, N. Y. Disclaimer filed by the assignee, General Railway Signal Company. (Two cases) Nos. 1,742,113 and 1,794,563; disclaimers filed Feb. 16, 1934; v. 440; p. 288.
- Wight, Sedgwick N., Rochester, N. Y. (Four cases.) Disclaimers filed by the assignee, General Railway Company. Nos. 1,794,565, 1,794,567, 1,852,550 and 1,889,458; disclaimers filed Feb. 16 (2), Feb. 23, and Oct. 23, 1934; v. 440 and 448; p. 288, 787, and 505.
- Wilkins, Richard A., Rome, N. Y. Disclaimer filed by the assignee, Revere Copper and Brass Incorporated. No. 1,851,928; disclaimer filed Mar. 21, 1934; v. 441; p. 260.
- Wilson, William, East Orange, N. J. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,419,530; disclaimer filed May 16, 1934; v. 443; p. 1.
- Wine, William E., Toledo, Ohio. Disclaimer filed by the assignee, Wine Railway Appliance Company. No. 1,455,694; disclaimer filed Sept. 18, 1934; v. 447; p. 505.
- Wood, Robert T., Lakewood, Ohio. Disclaimer filed by the assignee, Magnesium Development Corporation, with the Aluminum Company of America, assenting and joining. No. 1,850,613; disclaimer filed May 29, 1934; v. 443; p. 572.
- Zouck, George H., Orange, N. J. Disclaimer filed by the patentee, and the assignee, Franklin Railway Supply Company. No. 1,849,131; disclaimer filed Jan. 5, 1934; v. 438; p. 990.

LIST OF INVENTIONS

- Abradant material and its manufacture. L. E. Barringer. 1,980,151; Nov. 6.
- Abrading and polishing composition. P. A. Patterson. 1,965,299; July 3.
- Abrading and polishing device. W. E. McReynolds. 1,947,054; Feb. 13.
- Abrading block. H. Wurfshmidt. 1,946,562; Feb. 13.
- Abrading device. R. V. Miller. 1,961,891; June 5.
- Abrading device. J. M. Stivers. 1,959,647; May 22.
- Abrading machine. F. E. Bertrand. 1,960,327; May 29.
- Abrading machine. D. C. Page. 1,952,458; Mar. 27.
- Abrading machine. G. M. Stevenson. 1,978,149; Oct. 23.
- Abrading or surface finishing machine. A. N. Emmons. 1,974,136; Sept. 18.
- Abrading, Process of. W. MacGregor. 1,978,681; Oct. 30.
- Abrading tool. W. A. Reed. 1,948,674; Feb. 27.
- Abrading tool. W. A. Reed. 1,984,430; Dec. 18.
- Abrasion resisting tube. W. E. Boyle. 1,979,444; Nov. 6.
- Abrasive and holder therefor. W. C. Dunn. 1,955,848; Apr. 24.
- Abrasive and manufacturing the same. U. M. Binkley. 1,951,233; Mar. 13.
- Abrasive and polishing device. H. E. Tolman. 1,977,746; Oct. 23.
- Abrasive apparatus. J. J. Walsh. 1,952,003; Mar. 20.
- Abrasive article. H. C. Martin. Re19,318; Sept. 18.
- Abrasive article. J. McKee. 1,944,898; Jan. 30.
- Abrasive article and making the same. R. C. Benner. 1,970,835; Aug. 21.
- Abrasive article, Rubber bonded. C. S. Nelson and G. H. Porter. 1,976,798; Oct. 16.
- Abrasive articles, Making rubber bonded. D. E. Webster. 1,977,748; Oct. 23.
- Abrasive articles, Manufacture of. H. P. Kirchner. 1,944,184; Jan. 23.
- Abrasive articles, Manufacture of. F. A. Upper. 1,963,253; June 19.
- Abrasive articles, Manufacture of rubber bonded. R. C. Benner. 1,953,983; Apr. 10.
- Abrasive articles, Manufacture of rubber bonded. R. C. Benner, H. Porter, and C. S. Nelson. 1,970,834; Aug. 21.
- Abrasive articles, Manufacture of rubber bonded. H. C. Martin. 1,953,984; Apr. 10.
- Abrasive blast-cleaning machine. P. H. Best. 1,951,008; Mar. 13.
- Abrasive cleaning mechanism and process. L. H. Kramer. 1,977,516; Oct. 16.
- Abrasive device. J. L. Ballash. 1,962,947; June 12.
- Abrasive element, Built-up. H. R. Stratford. 1,954,655; Apr. 10.
- Abrasive holder. F. Ducato. 1,973,307; Sept. 11.
- Abrasive or polishing roll. E. A. Filley. 1,963,357; June 19.
- Abrasive pad. P. A. Lenard. 1,966,178; July 10.
- Abrasive stick holder. S. M. Hershey. 1,948,266; Feb. 20.
- Abrasive stone holder. F. J. Hershey. Re19,149; Apr. 24.
- Abrasive structure. M. J. Schneider. 1,963,154; June 19.
- Abrasive suspended material, Apparatus for propelling gas carrying. M. A. Lissman. 1,955,465; Apr. 17.
- Abrasive tool. F. E. Bertrand. 1,948,643; Feb. 27.
- Abrasive tool. O. S. Buckner. 1,963,823; June 19.
- Abrasive wheel. R. C. Benner and H. E. Stowell. 1,982,628; Dec. 4.
- Abrasive wheel and making the same. B. Sanford. 1,981,970; Nov. 27.
- Abrasives and producing the same, Preformed. E. S. Merriam. 1,956,905; May 1.
- Abrasives, Applying. S. Gregory and R. R. Tompkins. 1,941,786; Jan. 2.
- Absorbent low in salts and free from acid, Preparing. D. S. Belden and W. Kelley. 1,980,569; Nov. 13.
- Absorbent material. T. D. Ainslie and J. McKeown. 1,953,526; Apr. 3.
- Absorbent material and making the same. E. B. Thomas. 1,959,845; May 22.
- Absorbent pack for bottles. G. Fiero. 1,965,227; July 3.
- Absorbent roll and producing same. E. R. Nelson and N. Thompson. 1,985,667; Dec. 25.
- Absorber. E. B. Miller. 1,943,617; Jan. 16.
- Absorber for refrigeration systems. P. Köhler. 1,983,295; Dec. 4.
- Absorber-generator, Filling an. E. Noebel. 1,972,426; Sept. 4.
- Absorber refrigerating apparatus. E. S. Halsey Re19,090; Feb. 20.
- Absorption apparatus. E. Altenkirch. 1,976,593; Oct. 9.
- Absorption refrigerating apparatus. E. E. Allyne. 1,978,662; Oct. 30.
- Absorption refrigerating system. O. Johnson. 1,980,531; Nov. 13.
- Absorption refrigerating system. K. V. Nesselmann. 1,976,800; Oct. 16.
- Absorption refrigeration. D. G. Smellie. 1,953,993; Apr. 10.
- Absorption system, Continuous automatically controlled. H. B. Siems. 1,941,499; Jan. 2.
- Abutment for railway cars, Container seating. J. H. Matern and F. H. Pearce. 1,970,915; Aug. 21.
- Accelerating device. F. Purdy. 1,977,288; Oct. 16.
- Accelerating the saturation of fabric based sheets with bituminous material. N. P. Harshberger. 1,943,257; Jan. 9.
- Acceleration control means. W. G. Cook. 1,982,338; Nov. 27.
- Accelerator. H. B. Smeltzer. 1,959,881; May 22.
- Accelerator. E. Tyden. 1,958,287; May 8.
- Accelerator and starter operating mechanism, Combined. P. G. Frazier. 1,947,766; Feb. 20.
- Accelerator for rubber vulcanization processes. O. Behrend. 1,946,960; Feb. 13.
- Accelerator for the vulcanization of rubber. C. S. Williams. 1,943,570; Jan. 16.
- Accelerator for vulcanization of rubber. M. H. Zimmermann. 1,960,197; May 22.
- Accelerator pedal. M. W. Brush. Des. 91,802; Mar. 27.
- Accelerator switch. W. H. Greenleaf. 1,950,846; Mar. 13.
- Accelerator switch for clocks. W. H. Greenleaf. 1,983,026; Dec. 4.
- Accelerator, Vulcanization. L. B. Sebrell and A. M. Clifford. 1,948,317; Feb. 20.
- Accessory for automobiles. O. L. Westgate. 1,959,974; May 22.
- Accessory stand. A. E. Krick. 1,951,662; Mar. 20.
- Accessory table. R. C. Angell. 1,972,072; Sept. 4.
- Accessory unit for refrigerating apparatus. A. B. Frenning and J. L. Hallett. 1,977,548; Oct. 16.
- Accordion. T. G. Larson. 1,961,152; June 5.
- Accordion. M. Luttbeg. 1,965,349; July 3.
- Accordion case. A. C. Geib. Des. 93,820; Nov. 13.
- Accordion, Triple. H. M. Lentz. 1,973,638; Sept. 11.
- Accounting device. R. L. Connor and N. S. Welk. 1,958,743; May 15.
- Accounting machine. F. M. Carroll. 1,950,480; Mar. 13.
- Accounting machine for rejecting one-card groups. H. F. Krüger. 1,965,978; July 10.
- Accounting machine, Perforated record-controlled. J. R. Peirce. 1,946,915; Feb. 13.
- Accounting, printing, and typesetting machine, Combined. H. H. Lindstrom, J. M. Lawrence, and C. B. Bower. 1,976,738; Oct. 16.
- Accounting system. H. C. Osborn. 1,979,283; Nov. 6.
- Accounting system, Customer control. W. M. Johnson. 1,966,761; July 17.
- Accumulator, Hydraulic. L. M. C. Seamark. 1,959,552; May 22.
- Accumulator plants, Operation of pumping. J. Lell. 1,941,845; Jan. 2.
- Acetaldehyde and a catalyst therefor, Making. C. O. Young. 1,977,750; Oct. 23.
- Acetaldehyde and acetic acid, Production of. E. Eberhardt. 1,972,476; Sept. 4.
- Acetaldehyde, Preparing. O. Fuchs. 1,956,440; Apr. 24.
- Acetaldehyde, Preparing. P. B. Roth, H. Elvert, and F. K. Steinberger. 1,975,480; Oct. 2.
- Acetamides and producing same, Allyl substituted. K. Ziegler. 1,967,388; July 24.
- Acetate, Manufacture of cobaltic. W. O. Walker and U. Kopsch. 1,976,757; Oct. 16.
- Acetates, Making alkali metal. C. J. Strosacker, C. C. Kennedy, and E. L. Pelton. 1,961,625; June 5.
- Acetic acid and lactic acid, Manufacture of. E. Ricard and F. Boicot. 1,969,237; Aug. 7.
- Acetic anhydride, Manufacture of. J. Al. 1,961,542; June 5.
- Acetic anhydride, Manufacturing. R. Meingast and M. Mugdan. 1,946,707; Feb. 13.
- Acetoacetanilid, Preparation of. G. H. Law. 1,982,675; Dec. 4.
- Acetone from acetaldehyde, Production of. L. C. Swallen. 1,970,782; Aug. 21.
- Acetone from acetylene, Production of. W. Pohl. 1,953,499; Apr. 3.
- Acetone from ethyl alcohol, Production of. G. Bloomfield, L. C. Swallen, and F. M. Crawford. 1,945,131; Jan. 30.
- Acetone from ethyl alcohol, Production of. G. Bloomfield, L. C. Swallen, and F. M. Crawford. 1,978,619; Oct. 30.
- Acetone, Production of. K. Róka. 1,944,109; Jan. 16.
- Acetyl-choline salts, dimethylamino-ethyl-acetate and their production. L. W. Jones and R. T. Major. 1,957,461; May 8.
- Acetylene and simultaneously producing substantially dry calcium hydroxide, Apparatus for preparing. K. Weibezahn and F. Walter. 1,947,120; Feb. 13.
- Acetylene by compression of natural gas, Producing. R. G. Wulff. 1,966,779; July 17.

- Acetylene derivatives, Process and apparatus for treating. W. S. Calcott and F. B. Downing. 1,950,429; Mar. 13.
- Acetylene from gases, Removal of. H. P. A. Groll and J. H. Burgin. 1,965,100; July 3.
- Acetylene from higher saturated hydrocarbons, Making. P. Askenasy, C. Rosetti, and J. Tausz. 1,951,961; Mar. 20.
- Acetylene gas generator. C. de La Rochette. 1,972,646; Sept. 4.
- Acetylene generator. L. Campbell, jr. 1,955,172; Apr. 17.
- Acetylene generator. A. J. and I. F. Fausek. 1,956,827; May 1.
- Acetylene lamp, Miner's safety. W. H. Dargue. 1,943,952; Jan. 16.
- Acetylene, Manufacture of. H. P. A. Groll and J. Burgin. 1,965,771; July 10.
- Acetylene, Production. J. Burgin. 1,965,770; July 10.
- Acetylene, Production of. P. Baumann, R. Stadler, H. Schilling, and H. Bückert. 1,984,957; Dec. 18.
- Acetylene, Purification of. A. Auerhahn. 1,960,326; May 29.
- Acetylene, Purification of. H. Bueckert, R. Stadler, and H. Tanneberger. 1,945,592; Feb. 6.
- Acetylene, Purification of. F. Zobel and H. Reich. 1,973,840; Sept. 18.
- Acetylene, Removal of. D. Pyzel. 1,985,548; Dec. 25.
- Acetylene, Uncatalyzed oxidation of. S. Lenher and G. B. Kistiakowsky. 1,955,885; Apr. 24.
- Acetylenes and preparing the same, Halogen-vinyl. R. A. Jacobson. 1,967,864; July 24.
- Acid; See—
- Hydroxy-3,5-di-iodo pyri- 2 - methylaminobenzene-1-dine-2-carboxylic acid. carboxylic acid - 4 - sulphonic acid.
- O-Benzoyl-benzoic acid.
- Acid amides, Preparing. C. A. Thomas and J. F. Olin. 1,954,433; Apr. 10.
- Acid amides, Production of carboxylic. R. F. Goldstein. 1,972,142; Sept. 4.
- Acid and benzoates, Production of benzoic. J. E. Demant. 1,945,032; Jan. 30.
- Acid and its compounds, Manufacturing and recovering glutamic. R. Masuda, C. L. Royal, and A. E. Marshall. 1,947,563; Feb. 20.
- Acid and its lactones, Preparation of gluconic. R. Pasternack and W. R. Giles. 1,942,660; Jan. 9.
- Acid and its salts, Propyl-methyl-carbinyl allyl barbituric. H. A. Shonle. 1,954,429; Apr. 10.
- Acid and its salts, Secondary hexyl ethyl barbituric. H. A. Shonle. 1,985,217; Dec. 18.
- Acid and making same, Crystalline anhydrous citric. R. Pasternack, F. L. Mead, and J. L. Davenport. 1,965,429; July 3.
- Acid and preparing it, 2-hydroxyanthracene-3-carboxylic. L. Sander and S. Gasser. 1,976,145; Oct. 9.
- Acid antioxidants, Aliphatic. L. J. Christmann and C. J. Romieux. 1,958,469; May 15.
- Acid chlorides, Manufacture of aromatic. L. P. Kyrides. 1,963,748; June 19.
- Acid chlorides, Manufacture of aromatic dicarboxylic. L. P. Kyrides. 1,963,749; June 19.
- Acid chlorides, Manufacture of dicarboxylic. L. P. Kyrides. 1,951,364; Mar. 20.
- Acid chlorides, Manufacture of organic. E. Clemmensen and R. M. Miller. 1,974,845; Sept. 25.
- Acid cleaning equipment, Apparatus for use with. C. E. Smith. 1,984,899; Dec. 18.
- Acid compounds, Manufacture of acyl-benzoic. B. H. Jacobson. 1,942,430; Jan. 9.
- Acid containing eight or more carbon atoms, Aliphatic amine sulphonic. K. Ott, W. Hentrich, and H. Keppler. 1,944,300; Jan. 23.
- Acid, Decomposing thiocyanic. F. Overdick. 1,984,757; Dec. 18.
- Acid derivative, Chelidamic. M. Dohrn and P. Diedrich. 1,944,412; Jan. 23.
- Acid derivatives of phenols, Octoic. L. P. Kyrides. 1,974,821; Sept. 25.
- Acid disodium pyrophosphate, Production of. C. B. von Girsawald, H. Weidmann, and G. Roesner. 1,956,111; Apr. 24.
- Acid ester of fatty acid compounds of high molecular weight and making same, Sulphuric. H. Siebenburger. 1,942,577; Jan. 9.
- Acid, Esterification of diethyl-malonic. P. Halbig and F. Kauder. 1,974,917; Sept. 25.
- Acid esters of anthranols, Sulphuric. D. A. W. Fairweather and J. Thomas. 1,970,083; Aug. 14.
- Acid esters of carbohydrates and producing, Fatty. E. J. Lorand. 1,959,590; May 22.
- Acid esters of cellulose and method for producing, Nitro-mixed fatty. D. R. Wiggam and J. S. Tinsley. 1,943,281; Jan. 9.
- Acid esters of cellulose, Reclamation of mixed organic. C. J. Malm and W. E. Fisher. 1,966,302; July 10.
- Acid esters of indanthrones and their production, Tetra sulphuric. D. A. W. Fairweather and J. Thomas. 1,976,689; Oct. 9.
- Acid esters, Phosphoric. C. Schonburg. 1,944,530; Jan. 23.
- Acid esters, Purification of aliphatic monocarboxylic. W. J. Bannister and I. J. Krehma. 1,980,711; Nov. 13.
- Acid fermentation of fructose-containing mash, Propionic. H. R. Stiles. 1,946,447; Feb. 6.
- Acid from acetaldehyde, Continuous preparation of acetic. K. Wiesler. 1,953,381; Apr. 3.
- Acid from acetaldehyde, Manufacture of acetic. K. Wiesler. 1,982,559; Nov. 27.
- Acid from acetic acid anhydride, Separating acetic. R. Müller, H. Hatzig, and E. Rabald. 1,941,951; Jan. 2.
- Acid from alcohol, Manufacture of acetic. H. M. Guinot. 1,982,160; Nov. 27.
- Acid from methanol and carbon monoxide, Forming acetic. J. C. Carlin and N. W. Krase. 1,961,736-7; June 5.
- Acid from phthalic acid, Making benzoic. H. W. Daudt. 1,962,175; June 12.
- Acid from pyrolygous substances, Extracting acetic. E. Ricard and H. M. Guinot. 1,959,547; May 22.
- Acid halides, Preparation of. L. E. Mills. 1,965,556; July 3.
- Acid inhibitor. W. S. Calcott, I. E. Lee, and L. S. Bake. 1,957,488; May 8.
- Acid, Making benzoic. C. Conover. 1,942,389-90; Jan. 2.
- Acid, Making carbolic. R. L. Jenkins and J. F. Norris. 1,950,359; Mar. 6.
- Acid, Manufacture of acetic. J. C. Carlin and N. W. Krase. 1,961,738; June 5.
- Acid, Manufacture of acetic. S. J. Green and R. Handley. 1,950,027; Mar. 6.
- Acid, Manufacture of acetic. W. O. Walker and U. Kopsch. 1,976,756; Oct. 16.
- Acid, Manufacture of adenosine phosphoric. P. E. Ostern. 1,977,525; Oct. 16.
- Acid, Manufacture of arsenic. J. N. Latimore. 1,974,747; Sept. 25.
- Acid, Manufacture of boric. E. Franke. 1,944,598; Jan. 23.
- Acid, Manufacture of hydrocyanic. C. J. Marvin. 1,950,899; Mar. 13.
- Acid, Manufacture of nitro-anthraquinone-sulphonic. W. A. Adamson. 1,965,818; July 10.
- Acid, Manufacturing and recovering glutamic. A. E. Marshall. 1,973,574; Sept. 11.
- Acid, Method and apparatus for concentrating sulphuric. W. C. Mast. Re19,064; Jan. 23.
- Acid nitriles, Alkylation of. K. Ziegler. 1,958,653; May 15.
- Acid, Preparation of acetic. R. L. Brown. 1,953,905; Apr. 3.
- Acid, Preparation of acetic. R. L. Brown. 1,967,189; July 17.
- Acid, Preparation of acetic. E. B. Thomas, W. H. Groombridge, and H. E. Oxley. 1,985,750; Dec. 25.
- Acid, Preparation of crystalline gluconic. H. S. Isbell. 1,985,255; Dec. 25.
- Acid, Preparing adenosine phosphoric. C. L. Lautenschläger and F. Lindner. 1,976,175; Oct. 9.
- Acid, Preparing gluconic. T. Takahashi. 1,953,694; Apr. 3.
- Acid process, Contact sulphuric. F. P. Fiedler and A. O. Jaeger. 1,945,267; Jan. 30.
- Acid process, Contact sulphuric. A. O. Jaeger. 1,945,811; Feb. 6.
- Acid, Producing hydrocyanic. E. Münch and F. Nicolai. 1,951,520; Mar. 20.
- Acid, Producing nitric. J. H. Shapleigh. 1,952,633; Mar. 27.
- Acid, Producing phenylstearic. R. H. McKee and H. B. Faber. 1,972,568; Sept. 4.
- Acid, Producing phosphoric. C. H. Keller. 1,981,145; Nov. 20.
- Acid, Producing sulphuric. W. H. Leverett. 1,954,880; Apr. 17.
- Acid, Production of acetic. M. Mueller-Cunradi, K. Piroh, and H. Giebne. 1,951,789; Mar. 20.
- Acid purification by solvent extraction, Phosphoric. C. A. Vana. 1,968,544; July 31.
- Acid, Purification of phosphoric. W. H. Woodstock. 1,951,077; Mar. 13.
- Acid, Purification of succinic. J. A. Bertsch and A. H. Krause. 1,945,175; Jan. 30.
- Acid, Purifying ricinoleic. T. H. Rider. 1,955,021; Apr. 17.
- Acid reaction compounds from terpene alcohols and hydro-aromatic alcohols, Manufacture of phosphoric. J. W. Blagden and W. E. Huggett. 1,959,228; May 15.
- Acid, Recovering hydrocyanic. G. H. Buchanan and G. B. Winner. 1,967,051; July 17.
- Acid, Refining maleic. M. N. Dvornikoff. 1,966,852; July 17.
- Acid resisting pump. H. Latham. 1,975,583; Oct. 2.
- Acid-setting baths used in artificial silk manufacture, Treatment of. G. A. Richter and J. G. Gosselink. 1,953,868; Apr. 3.
- Acid sludge, Filtration of. E. v. Pongratz. 1,960,348; May 29.
- Acid sludge, Hydrolyzing. H. W. Thompson and J. T. Rutherford. 1,975,131; Oct. 2.
- Acid sludge, Treating. I. Hechenbleikner. 1,958,402; May 8.
- Acid sludge, Treatment of. I. Hechenbleikner. 1,953,225; Apr. 3.
- Acid, Utilization of sludge. W. S. Wilson. 1,945,172; Jan. 30.
- Acid without racemization, Separating optically active glutamic. S. Kanoo. 1,976,997; Oct. 16.
- Acidity in oral secretions, Device for testing. R. John. 1,967,557; July 24.
- Acidophilus product and producing the same. S. M. Farr. 1,985,490; Dec. 25.

- Acidophilus products, Preparation of. W. L. Owen. 1,980,083; Nov. 6.
- Acidproof heater bar. F. M. Gloyd. 1,980,481; Nov. 13.
- Acids, alkoxy-2-hydroxynaphthalene-3-carboxylic. A. Zitscher, H. Milder, and W. Luce. 1,947,819; Feb. 20.
- Acids and halogen-anthraquinone-carboxylic acids and preparing them, Halogen-benzophenone-dicarboxylic. G. Kränzlein, M. Corell, and E. Diffenbach. 1,966,126; July 10.
- Acids and new products obtainable thereby, Preparing aryl-acetic. A. Wolfram, L. Schornig, and E. Hausdörfer. 1,951,686; Mar. 20.
- Acids and sulphonates, Producing sulphonic. R. T. Osborn and R. Craig. 1,955,859; Apr. 24.
- Acids and their derivatives, Production of monocarboxylic. A. O. Jaeger. 1,953,231-2; Apr. 3.
- Acids and their derivatives, Production of monocarboxylic. A. O. Jaeger. 1,956,718; May 1.
- Acids and their derivatives, Production of monocarboxylic. A. O. Jaeger. 1,961,150; June 5.
- Acids and their derivatives, Production of monocarboxylic. A. O. Jaeger. 1,966,067; July 10.
- Acids, Approximate separation of solid and liquid fatty. E. Schlenker. 1,948,683; Feb. 27.
- Acids, by simultaneous dissociation and hydrogenation, Making saturated. H. Kaufmann. 1,952,871; Mar. 27.
- Acids by the alkaline fusion of cellulosic materials, Production of organic. W. H. Bannister. 1,972,059; Aug. 28.
- Acids, Concentrating dilute aliphatic. G. P. Lunt. 1,958,898; May 15.
- Acids containing nitrogen and making same, Derivatives of higher fatty. K. Keller. 1,947,650; Feb. 20.
- Acids, Distillation and purification of fatty. S. Goranflo. 1,954,241; Mar. 13.
- Acids from hydrogen peroxide solutions by electrolysis, Purification of and particularly for the elimination of. J. Müller. 1,966,103; July 10.
- Acids from substances containing keratin, Production of amino. E. Ziegler. 1,974,554; Sept. 25.
- Acids, Manufacture of hydroxy carboxylic. H. Dreyfus. 1,962,140; June 12.
- Acids, Manufacturing amino-arylthioglycolic. H. A. Lubs and J. E. Cole. 1,954,706; Apr. 10.
- Acids, Manufacturing aromatic carboxylic. L. P. Kyrides. 1,968,300; July 31.
- Acids, Manufacturing monocarboxylic. J. Brode and A. Johannsen. 1,982,196; Nov. 27.
- Acids, New aniline-sulphonic. E. Fischer, A. Kissling, and H. Kracker. 1,947,837; Feb. 20.
- Acids, Preparation of adipic. R. P. Perkins and A. J. Dietzler. 1,960,211; May 22.
- Acids, Preparation of aliphatic organic. G. B. Carpenter. 1,946,259; Feb. 6.
- Acids, Preparation of carboxylic. G. B. Carpenter. 1,946,255; Feb. 6.
- Acids, Preparation of carboxylic. J. C. Woodhouse. 1,946,254; Feb. 6.
- Acids, Preparation of carboxylic. J. C. Woodhouse. 1,946,256; Feb. 6.
- Acids, Preparation of monocarboxylic. J. Brode. 1,982,195; Nov. 27.
- Acids, Preparation of organic. W. H. Carothers and G. B. Carpenter. 1,946,258; Feb. 6.
- Acids, Preparation of organic. G. B. Carpenter. 1,946,257; Feb. 6.
- Acids, Preparation of organic. G. B. Carpenter. 1,979,449-50; Nov. 6.
- Acids, Preparation of organic. J. C. Woodhouse. 1,979,518-19; Nov. 6.
- Acids, Producing monocarboxylic. J. Brode and A. Johannsen. 1,982,197; Nov. 27.
- Acids, Production of aralkylaryl carboxylic. A. O. Jaeger and L. C. Daniels. 1,981,360; Nov. 20.
- Acids, Production of carboxylic. G. B. Carpenter. 1,949,825; Mar. 6.
- Acids, Production of carboxylic. G. B. Carpenter. 1,957,939; May 8.
- Acids, Production of carboxylic. G. B. Carpenter. 1,981,801; Nov. 20.
- Acids, Production of guanidino fatty. S. Fischl. 1,967,400; July 24.
- Acids, Production of monocarboxylic. J. Brode and A. Johannsen. 1,955,050; Apr. 17.
- Acids, Production of monocarboxylic. A. O. Jaeger. 1,964,516; June 26.
- Acids, Production of organic. H. Franzen, H. Beller, and M. Luther. 1,943,427; Jan. 16.
- Acids, Production of tar. W. C. Cooper, jr. 1,944,681; Jan. 23.
- Acids, Production of unsaturated fatty. M. Luther and H. Klein. 1,965,961; July 10.
- Acids, Purification of organic. A. O. Jaeger and L. C. Daniels. 1,943,892; Jan. 16.
- Acids, Recovery of fatty. H. M. Franzen and G. Kunze. 1,977,988; Oct. 23.
- Acids, Recovery of organic. J. C. Woodruff, G. Bloomfield, and I. J. Krichma. 1,946,419; Feb. 6.
- Acids, Recovery of tar. S. P. Miller. 1,944,131; Jan. 16.
- Acids, Separation of organic dibasic. H. W. Witzel. 1,945,246; Jan. 30.
- Acids, Separation of ortho- and para-halobenzoic. L. E. Mills. 1,942,826; Jan. 9.
- Acids, Treatment of coal tar. J. C. Morrell. 1,954,091; Apr. 10.
- Acidyl polyalkylene polyamines. W. Neelmeier, T. Nocken, and H. Friedrich. 1,947,951; Feb. 20.
- Acidyl-2,4,6-tribromanilides, Production of. B. E. M. Miller. 1,960,275; May 29.
- Acoustic advertising device. O. Bothe. 1,971,028; Aug. 21.
- Acoustic apparatus. A. H. Midgley. 1,950,319; Mar. 6.
- Acoustic apparatus. A. H. Midgley. 1,960,449; May 29.
- Acoustic building material. J. H. Delaney. 1,985,487; Dec. 25.
- Acoustic - cinematographic apparatus. A. Haddock. 1,962,441; June 12.
- Acoustic construction. R. Irvin. 1,972,563; Sept. 4.
- Acoustic decimeter. E. Dietze and W. D. Goodale, jr. 1,953,157; Apr. 3.
- Acoustic device. S. Ballantine. 1,983,833; Dec. 11.
- Acoustic device. D. G. Blattner. 1,965,405; July 3.
- Acoustic device. A. d'Alton. 1,969,704; Aug. 7.
- Acoustic device. J. R. Erickson. 1,985,722; Dec. 25.
- Acoustic device. H. A. Frederick. 1,955,800; Apr. 24.
- Acoustic device. R. B. Hammer. 1,965,830; July 10.
- Acoustic device. J. B. Kelly. 1,969,559; Aug. 7.
- Acoustic device. H. Koch. 1,941,987; Jan. 2.
- Acoustic device. H. F. Olson. 1,984,542; Dec. 18.
- Acoustic device. A. E. Swickard. 1,964,604; June 26.
- Acoustic device. A. L. Thuras. 1,964,606; June 26.
- Acoustic device. W. L. Woolf and L. B. Cornwell. 1,962,374; June 12.
- Acoustic device, Electrostatic. R. A. Heising. 1,978,200; Oct. 23.
- Acoustic diaphragm. A. A. Thomas. 1,980,235; Nov. 13.
- Acoustic instrument. G. F. Clark and A. S. Radford. 1,969,256; Aug. 7.
- Acoustic wall board. K. Izumiyama. 1,976,282; Oct. 9.
- Acoustical article of manufacture, Resonant. W. G. Morse. 1,950,621; Mar. 13.
- Acoustical composition. P. S. Denning. 1,977,874; Oct. 23.
- Acoustical construction. L. R. Hoff and G. D. Kellogg. 1,978,632; Oct. 30.
- Acoustical device. R. H. Marriott. 1,981,962; Nov. 27.
- Acoustical element, Adjustable. O. B. Hanson. 1,975,604; Oct. 2.
- Acoustical material. D. Finley. 1,975,637; Oct. 2.
- Acoustical material. H. C. Smith. 1,960,880; May 29.
- Acoustical material, Ceramic. R. Ericson, J. S. Offutt, and J. R. Parsons. 1,948,878; Feb. 27.
- Acoustical plaster. S. M. Jenkins. 1,968,489; July 31.
- Acoustical treatment. M. C. Rosenblatt. 1,942,662; Jan. 9.
- Acoustigraph, Multiple. E. S. Hopkins. 1,985,253; Dec. 25.
- Activated carbon, Producing. J. C. Morrell. 1,968,845; Aug. 7.
- Actuating device. W. Dallenbach. 1,961,282; June 5.
- Actuating means for machine tools. L. A. Dumser and P. S. Jackson. 1,942,414; Jan. 9.
- Actuating mechanism for bascule bridges. E. Kuyk. 1,974,114; Sept. 18.
- Actuating mechanism for dough dividers. F. G. Ricker. 1,981,151; Nov. 20.
- Actuating mechanism for profile grinders. C. H. A. F. L. Ross. 1,973,507; Sept. 11.
- Acyl-choline esters and their salts, Preparing certain. J. K. Cline. 1,957,443; May 8.
- Acyl derivatives of cellulose. H. Dreyfus. 1,972,134; Sept. 4.
- Adapter. E. S. Cornell, jr. 1,972,872; Sept. 11.
- Adapter. W. N. de Sherbinin. 1,985,488; Dec. 25.
- Adapter. W. M. Gentle. 1,977,847; Oct. 23.
- Adapter. L. J. Leishman. 1,959,272; May 15.
- Adapter. E. A. Stromberg. 1,955,394; Apr. 17.
- Adapter and tool holder. C. G. Gase. 1,958,817; May 15.
- Adapter for draft regulators. C. H. Morrow. 1,980,818; Nov. 13.
- Adapter for electric lamp sockets. H. K. Wack. 1,981,816; Nov. 20.
- Adapter for explosive fluid tanks. F. C. Overbury. 1,982,879; Dec. 4.
- Adapter for push and pull jacks. E. Pachowicz. 1,973,224; Sept. 11.
- Adapter for trays and the like. A. Fraser. 1,951,972; Mar. 20.
- Adapter ring. O. H. Jobski. 1,982,057; Nov. 27.
- Adapter, Self-aligning. W. E. Ford. 1,960,003; May 22.
- Adapter unit for fifth wheels. G. H. Connors. 1,973,611; Sept. 11.
- Adapter, Universal. H. D. Yoder. 1,971,438; Aug. 28.
- Adding and listing machine. G. J. Barrett and C. H. Bradt. 1,949,446; Mar. 6.
- Adding and listing machine. H. A. Foethorap. 1,956,569; May 1.
- Adding and sorting machine. J. W. Bryce. 1,973,246; Sept. 11.
- Adding machine. G. J. Barrett. 1,949,445; Mar. 6.
- Adding machine. M. M. Munk. 1,946,174; Feb. 6.
- Adding machine frame construction. R. C. Coxhead and C. W. Norton. 1,948,958; Feb. 27.
- Adding machine printing mechanism. R. C. Coxhead and C. W. Norton. 1,954,618; Apr. 10.
- Addition compounds of formyl halides, Production of. H. Hopff. 1,976,682; Oct. 9.
- Addition product of unsaturated hydrocarbons, Production of. J. P. Baxter. 1,944,161; Jan. 23.
- Address plate. W. T. Gollwitzer. 1,979,261; Nov. 6.

- Address plates, Apparatus for making. W. A. Way. 1,966,472; July 17.
- Address printing machine. J. Krell. 1,945,643; Feb. 6.
- Address-printing machine. J. Krell. 1,952,552; Mar. 27.
- Address-printing machine. J. Krell. 1,968,153; July 31.
- Address system, Binaural. I. R. Goshaw. 1,978,456; Oct. 30.
- Addressing machine. H. C. Osborn. 1,981,001; Nov. 20.
- Adhesions of liquid coatings to zinc surfaces, Securing durable. M. H. Corbin. 1,973,612; Sept. 11.
- Adhesive. G. R. Alden. 1,969,636; Aug. 7.
- Adhesive. W. Bauer. 1,982,946; Dec. 4.
- Adhesive. W. H. Charch, W. L. Hyden, and T. G. Finzel. 1,953,104; Apr. 3.
- Adhesive. H. V. Dunham. 1,971,522; Aug. 28.
- Adhesive. J. Goldmann. 1,956,899; May 1.
- Adhesive. E. Hazell and H. F. Stowe. 1,958,479; May 15.
- Adhesive. W. W. McLaurin. 1,969,659; Aug. 7.
- Adhesive. H. J. Wolfe. 1,983,650; Dec. 11.
- Adhesive and film forming composition. P. C. Lemmerman and R. F. Remler. 1,967,829; July 24.
- Adhesive and film forming composition. P. C. Lemmerman and W. K. Schweitzer. 1,942,299; Jan. 2.
- Adhesive and making it, Cold water soluble. E. R. Edson. 1,956,064; Apr. 24.
- Adhesive and making same. E. F. Christopher. 1,962,763; June 12.
- Adhesive and making same. C. N. Cone. 1,976,436; Oct. 9.
- Adhesive and preparing and applying the same. J. E. Clegg. 1,948,334; Feb. 20.
- Adhesive and product thereof, Making an. I. F. Laucke. 1,977,445; Oct. 16.
- Adhesive and the product thereof, Making an. C. N. Cone and H. Galber. 1,976,435; Oct. 9.
- Adhesive and the product thereof, Making an. G. Davidson, C. N. Cone, I. F. Laucks, and H. P. Banks. 1,985,631; Dec. 25.
- Adhesive applicator. W. J. Walsh. 1,959,774; May 22.
- Adhesive applying and registering mechanism. E. G. Stauder. 1,969,106; Aug. 7.
- Adhesive applying apparatus. C. L. Moyer. 1,947,791; Feb. 20.
- Adhesive composition. R. L. Jenkins. 1,960,265; May 29.
- Adhesive composition. R. L. Jenkins. 1,972,448; Sept. 4.
- Adhesive composition. G. G. Pierson. 1,964,960; July 3.
- Adhesive foil. G. Lienig. 1,955,075; Apr. 17.
- Adhesive in the form of sheets or the like. R. G. Drew. 1,959,413; May 22.
- Adhesive materials from rubber latex, Manufacture of. R. B. F. Clarke, E. B. Robinson, and A. Shepherdson. 1,978,247; Oct. 23.
- Adhesive preparations, Apparatus for applying. R. J. O'Brien and E. Hazell. 1,945,700; Feb. 6.
- Adhesive, Rubber. W. W. Dunfield. 1,943,423-4; Jan. 16.
- Adhesive spreader. D. A. Urie. 1,958,453; May 15.
- Adhesive substance. F. O. Giesecke. 1,943,382; Jan. 16.
- Adhesive surface to a web, Apparatus for applying an. J. A. Johnson. 1,949,419-20; Mar. 6.
- Adhesive surface to a web, Applying an. J. A. Johnson. 1,949,420; Mar. 6.
- Adhesive tape. R. G. Drew. Re19,128; Apr. 3.
- Adhesive tape. E. L. Kallander and R. F. Charles. 1,956,579; May 1.
- Adhesive tape, Making. P. F. Ziegler. 1,953,901; Apr. 3.
- Adhesive tape or plaster. F. I. Bennett, jr. 1,944,834; Jan. 23.
- Adhesive tape to spools, Applying. W. C. Mills. 1,950,738; Mar. 13.
- Adhesives and making, Compounded. C. N. Cone and E. D. Brown. 1,962,808; June 12.
- Adhesives and surfacing material, Production of. C. Snyder. 1,967,043; July 17.
- Adhesives and the products thus produced, Making and utilizing sheeted. J. Weber and F. Hengstebeck. 1,960,176; May 22.
- Adhesives in the form of sheets or the like, Making. R. G. Drew. 1,954,805; Apr. 17.
- Adhesives, Production of. H. Wappes and H. Klingenberg. 1,959,185; May 15.
- Adjustable chair. L. E. Goenen and J. A. Garrow. 1,972,338; Sept. 4.
- Adjustable chair. E. M. Knabus and E. J. Shoemaker. 1,952,376; Mar. 27.
- Adjustable chair. J. A. Schauss. 1,970,577; Aug. 21.
- Adjustable connector. RB Niles. 1,980,080; Nov. 6.
- Adjustable device for curtains and draperies. T. Klüglein. 1,983,467; Dec. 4.
- Adjustable die. U. S. G. Swartz. 1,984,775; Dec. 18.
- Adjustable foot support. L. D. Noble. 1,944,608; Jan. 23.
- Adjustable grate generator. W. W. Odell. 1,972,897; Sept. 11.
- Adjustable hat block. C. T. Cook. 1,949,828; Mar. 6.
- Adjustable hinge. E. H. Ellison. 1,983,125; Dec. 4.
- Adjustable hinge. L. G. Gransden. 1,949,252; Feb. 27.
- Adjustable insulator bracket. D. G. Smead. 1,961,434; June 5.
- Adjustable lamp. E. C. Godfrey. Des. 92,802; July 17.
- Adjustable lens holder. T. E. Millington. 1,944,567; Jan. 23.
- Adjustable ribbon strap. P. Krakauer. 1,954,768; Apr. 10.
- Adjustable rotary sign. J. A. Berning and C. V. Ashba. 1,974,597; Sept. 25.
- Adjustable seat. J. B. Menton. 1,953,764; Apr. 3.
- Adjustable seat. W. F. Nenne. 1,964,405; June 26.
- Adjustable slide fastener. D. I. Reiter and G. W. Lane. 1,937,424; Feb. 13.
- Adjustable speed motor. W. J. Morrill. 1,961,776; June 5.
- Adjustable spindle coupling. G. E. Wheeler. 1,982,363; Nov. 27.
- Adjustable stand. J. J. Col. 1,963,887; June 19.
- Adjustable supporting bar. H. R. Klaudt. 1,951,660; Mar. 20.
- Adjustable supporting device. B. Corsgren. 1,969,547; Aug. 7.
- Adjustable table. R. W. Russell. 1,947,801; Feb. 20.
- Adjuster, Automatic brake. H. E. Brice. 1,966,375; July 10.
- Adjusting device. W. H. Delahaye. 1,978,697; Oct. 30.
- Adjusting device, Automatic. D. S. de Lavaud. 1,971,643; Aug. 28.
- Adjusting device for a pair of objectives of binocular microscopes. W. Bauersfeld. 1,975,629; Oct. 2.
- Adjusting device for looms and method of controlling weft threads. I. Lewin and C. W. Geier. 1,975,587; Oct. 2.
- Adjusting device for X-ray tubes. R. Mannl. 1,976,179; Oct. 9.
- Adjusting device of warp tension in automatic looms. Y. Nogamy. 1,971,694; Aug. 28.
- Adjusting means and method for brakes of automobiles. B. Von Oberstadt. 1,953,575; Apr. 3.
- Adjusting mechanism for variable speed gears. E. Janik. 1,959,476; May 22.
- Adjusting motions in automatic machinery, Device for producing. M. Bretschneider. 1,975,712; Oct. 2.
- Adjusting system, Automatic. P. Hameyer, G. Meyer, and J. Jungmichl. 1,942,285; Jan. 2.
- Adjustment indicator. R. M. Woytych. 1,965,167; July 3.
- Adjustment mechanism for vehicle brakes, Automatic. J. W. White. 1,975,217; Oct. 2.
- Adsorbent. J. C. Bird. 1,949,266; Feb. 27.
- Adsorbent. G. E. Taylor. 1,970,255; Aug. 14.
- Adsorbent and making same, Neutral. D. S. Belden and W. Kelley. 1,946,124; Feb. 6.
- Adsorber system. E. B. Miller. 1,954,056; Apr. 10.
- Adsorption agent, Making an. L. K. Wright. 1,963,818; June 19.
- Adsorption system. C. F. Abbott and C. A. Conklin. 3d. 1,948,779; Feb. 27.
- Adsorption system. G. T. Shoosmith. 1,959,389; May 22.
- Advertising and display device. H. R. Stern. 1,975,876; Oct. 9.
- Advertising and electric signaling system, Remote control. L. Casper. 1,953,072; Apr. 3.
- Advertising apparatus. K. N. Moir. 1,944,448; Jan. 23.
- Advertising apparatus and display sign. M. and M. M. Walker and G. M. Clark. 1,985,121; Dec. 18.
- Advertising card. A. P. Izard. Des. 94,085; Dec. 18.
- Advertising device. F. C. Bender. 1,965,448; July 3.
- Advertising device. F. C. Bender. 1,969,959; Aug. 14.
- Advertising device. W. I. Block. 1,943,295; Jan. 16.
- Advertising device. G. Carey. 1,954,919; Apr. 17.
- Advertising device. A. B. Casteig. 1,974,737; Sept. 25.
- Advertising device. E. L. Goetz. 1,956,280; Apr. 24.
- Advertising device. R. H. Harrington. 1,943,237; Jan. 9.
- Advertising device. C. W. Huff. 1,966,668; July 17.
- Advertising device. W. Intemann. 1,983,374; Dec. 4.
- Advertising device. E. J. B. La Lumiere. Des. 92,008; Apr. 17.
- Advertising device. W. B. Miller. 1,981,923; Nov. 27.
- Advertising device. J. K. O'Brien. 1,964,477; June 26.
- Advertising device. C. O. Parmley. 1,972,946; Sept. 11.
- Advertising device. W. W. Patterson. 1,957,665; May 8.
- Advertising device. C. M. Polatty. 1,975,287; Oct. 2.
- Advertising device. T. E. Smith. 1,953,272; Apr. 3.
- Advertising device. D. Solodar. 1,975,592; Oct. 2.
- Advertising device. S. L. Unger. 1,957,374; May 1.
- Advertising device, Aerial. M. A. Neal. 1,945,785; Feb. 6.
- Advertising device, Air driven. R. H. O'Brien. 1,973,223; Sept. 11.
- Advertising device and puzzle, Combined. G. W. Nisbet. 1,965,085; July 3.
- Advertising device. Balanced. R. E. Craighead. 1,985,630; Dec. 25.
- Advertising device or similar article. R. W. Young. Des. 91,975; Apr. 10.
- Advertising device or toy. M. A. Revis. 1,945,789; Feb. 6.
- Advertising display, Animated. L. Cygon. 1,954,561; Apr. 10.
- Advertising display device. J. J. Reinhold. Des. 91,908; Apr. 3.
- Advertising display device. C. Roberts and J. J. Vertrees. 1,953,987; Apr. 10.
- Advertising display device. C. Roberts and J. J. Vertrees. 1,954,459; Apr. 10.
- Advertising display device, Automatic. C. L. Murray. 1,964,856; July 3.
- Advertising display device, Fluid pressure. J. D. MacLachlan. 1,975,469; Oct. 2.
- Advertising display stand. E. C. Petcher. 1,976,413; Oct. 9.
- Advertising exhibitor. W. D. Hawk and R. S. Carter. 1,973,982; Sept. 18.
- Advertising exhibitor, Changeable. A. J. Kauffman. 1,972,422; Sept. 4.

- Advertising figure and support therefor, Combined. S. F. Williams. Des. 93,431; Sept. 25.
- Advertising frame for a liquid pourer. J. J. Daly and B. Alberdi. 1,970,798; Aug. 21.
- Advertising globe. G. F. Mattman. 1,976,621; Oct. 9.
- Advertising globe. J. S. Wilkinson. 1,976,647; Oct. 9.
- Advertising make-up, follow-up, and lay-out apparatus. L. Ostrow. 1,979,228; Oct. 30.
- Advertising matter in tires, Devices for supporting. H. E. Kistler. 1,946,861; Feb. 13.
- Advertising novelty. T. A. Goerschler and M. E. Martin-dale. 1,974,673; Sept. 25.
- Advertising novelty. L. J. Walter. 1,964,278; June 26.
- Advertising sign. K. E. Bemis. Des. 93,195; Sept. 4.
- Advertising sign. S. W. Hennessey and F. W. Kart-scheske. 1,953,756; Apr. 3.
- Advertising sign. G. Jaehnigen and R. E. L. Lamb. Des. 91,827; Mar. 27.
- Advertising sign. T. Newhall and P. S. Pittenger. 1,958,064; May 8.
- Advertising sign. R. G. Regester. 1,962,838; June 12.
- Advertising sign. L. J. Simon. 1,967,161; July 17.
- Advertising sign. H. E. Soref. Des. 91,973; Apr. 10.
- Advertising sign. E. Zeiser. Des. 91,343; Jan. 9.
- Advertising sign. Luminous. C. Whitman. 1,960,131; May 22.
- Advertising stand. J. Lindenberger. 1,974,076; Sept. 18.
- Aerating device. M. Feller. 1,964,345; June 26.
- Aerating machine. W. Fagergren. 1,963,122; June 19.
- Aeration of fluids. W. Gavett. 1,969,644; Aug. 7.
- Aerial and aerial system. E. Green. 1,967,881; July 24.
- Aerial camera. D. W. Worster. Des. 92,882; July 31.
- Aerial display. H. H. Haines and K. L. Lange. 1,948,295; Feb. 20.
- Aerial display, Illuminated. E. A. Link. 1,982,960; Dec. 4.
- Aerial light instrument. C. J. Crane and W. C. Ocker. 1,955,488; Apr. 17.
- Aerial navigation machine utilizing a light gas. E. E. Oehmichen. 1,957,149; May 1.
- Aerial or earth device for wireless apparatus. Construc-tion of. J. W. Spong. 1,962,041; June 5.
- Aerial platform. Adjustable. H. B. Cowan and W. C. Zer-man. 1,965,689; July 10.
- Aerial system. H. H. Beverage. 1,967,604; July 24.
- Aerofoil. R. D. Carleton and R. C. Blaylock. 1,976,480 Oct. 9.
- Aeronautic instrument. N. B. Hall. 1,963,899; June 19.
- Aeronautic training apparatus. H. Alfaro. 1,947,962; Feb. 20.
- Aeroplane. C. C. Bittner. 1,945,254; Jan. 30.
- Aeroplane. L. C. Blume. 1,963,461; June 19.
- Aeroplane. L. Cormona. 1,974,040; Sept. 18.
- Aeroplane. E. Hedlof. 1,959,270; May 15.
- Aeroplane. J. Hojnowski. 1,947,908; Feb. 20.
- Aeroplane. H. Karl. 1,984,584; Dec. 18.
- Aeroplane. C. J. Magalis. 1,968,497; July 31.
- Aeroplane. A. Nicolatos. 1,945,289; Jan. 30.
- Aeroplane and other aircraft. A. F. Nash. 1,959,987; May 22.
- Aeroplane control device. T. H. Crissey. 1,965,793; July 10.
- Aeroplane flight control. J. M. Hendrickson. Re19,233; July 10.
- Aeroplane, High wing. J. V. Martin. 1,973,007; Sept. 11.
- Aeroplane power plant. C. A. Whitsett. 1,942,674; Jan. 9.
- Aeroplane propeller blades, Apparatus for varying the pitch of. C. T. Chance and M. K. Patten. 1,946,387; Feb. 6.
- Aeroplane propeller, Variable pitch and reversible. R. Wislon. 1,964,102; June 26.
- Aeroplane wheel. E. F. Goodyear and J. Wright. 1,968,076; July 31.
- Aeroplane wing. S. Trey and W. Howard. 1,979,298; Nov. 6.
- Afocal objectives. H. S. Newcomer. 1,945,951; Feb. 6.
- Azitized bodies, Making. S. H. Peltier. 1,946,879; Feb. 13.
- Age-resister. W. L. Semon. 1,965,948; July 10.
- Aging and testing method and mechanism, Automatic. A. B. Du Mont and R. M. Zimmer. 1,955,794; Apr. 24.
- "Aging" in silicon steel sheets, Preventing. W. Morrill. 1,964,475; June 26.
- Agent for combating pests and applying same. M. Hart-mann and H. Kagi. 1,968,341; July 31.
- Agent for keeping cut flowers and the like fresh. O. Neu-bert. 1,956,908; May 1.
- Agent for polishing, sharpening, and grinding articles of great hardness. R. Reichmann. 1,984,841; Dec. 18.
- Agent for wetting, dispensing, etc. H. Bertsch. 1,967,656; July 24.
- Agents and methods for killing flies. K. Pfaff and M. Erlenbach. 1,953,629; Apr. 3.
- Agents for diminishing or suppressing foaming and froth-ing and the application thereof. A. Macarthur and A. Stewart. 1,947,725; Feb. 20.
- Agents for killing insects. K. Pfaff and M. Erlenbach. 1,974,689; Sept. 25.
- Agents for wetting, emulsifying, etc. H. Bertsch. 1,968,796; July 31.
- Agents of combustion, Device for controlling. C. Otto. 1,949,177; Feb. 27.
- Agglomerates, Apparatus for coking. E. H. Bunce and C. J. Lentz. 1,952,363; Mar. 27.
- Agglomerating, Method of and apparatus for. L. Law-rason. 1,942,480; Jan. 9.
- Agglutinant. R. Müller. 1,955,083; Apr. 17.
- Agglutinant. W. Stelkens and R. Muller. 1,941,958; Jan. 2.
- Aggregate. W. R. Macdonald. 1,976,573; Oct. 9.
- Aggregate and preparing the same, Nonweathering glazed. S. F. Walton. Re19,372; Nov. 13.
- Aggregate spreader. F. B. Hurt. 1,966,122; July 10.
- Aggregate treating apparatus. T. H. Morris. 1,984,315; Dec. 11.
- Aggregate with bitumen, Treating. K. E. McConnaughay. 1,975,902; Oct. 9.
- Agitating and heating device for steel melting processes. V. V. Soldatoff. 1,949,731; Mar. 6.
- Agitating apparatus. F. D. Chapman. 1,975,073; Oct. 2.
- Agitating apparatus. A. J. Schultz. 1,954,146; Apr. 10.
- Agitating device for automatic refrigerators. G. J. Smith. 1,956,701; May 1.
- Agitating machine. M. Stühler. 1,947,398; Feb. 13.
- Agitating means for wire screen during galvanizing proc-ess. N. S. Harter. 1,971,104; Aug. 21.
- Agitator. A. R. Keller. 1,944,742; Jan. 23.
- Agitator. W. B. Lodder. 1,984,975; Dec. 18.
- Agitator. S. J. McCarroll. 1,985,791; Dec. 15.
- Agitator and the like, Traveling. A. L. Whiteside. 1,982,715; Dec. 4.
- Agitator drive. F. H. Lamoreaux. 1,967,891; July 24.
- Agitator for sifters. B. J. Carey. 1,942,275; Jan. 2.
- Agitator for stoker hoppers. F. E. Roberts. 1,953,641; May 15.
- Agitator for the freezing trays of mechanical refrigerators. W. C. Edwards. 1,954,073; Apr. 10.
- Agitator, Fuel. J. C. Goss and H. L. Crispen. 1,960,778; May 29.
- Agitator, Portable. N. K. Davis and A. E. Mason. 1,942,277; Jan. 2.
- Agitator, Suction cleaner. D. G. Smellie. 1,942,497; Jan. 9.
- Agitator truck body. C. J. Hug. 1,966,502; July 17.
- Agricultural apparatus. E. B. Cushman. 1,972,680; Sept. 4.
- Agricultural hand implement. O. J. Mobley. 1,968,463; July 31.
- Agricultural implement. C. J. Allen. 1,950,023; Mar. 6.
- Agricultural implement. T. Brown. 1,963,645; June 19.
- Agricultural implement. T. Brown and T. W. Johnson. 1,955,789; Apr. 24.
- Agricultural implement. J. A. Fishleigh. 1,963,894; June 19.
- Agricultural implement. V. and S. Gandrup. 1,982,157; Nov. 27.
- Agricultural implement. E. B. Gustafson. 1,945,311; Jan. 30.
- Agricultural implement. C. W. Kelsey. 1,944,937; Jan. 30.
- Agricultural implement. K. Landa. 1,942,557; Jan. 9.
- Agricultural implement. J. Mader. 1,969,023; Aug. 7.
- Agricultural implement. A. J. Smith. 1,964,895; July 3.
- Agricultural implement. C. H. White and E. McCormick. 1,978,874; Oct. 30.
- Agricultural implement and marking the same. W. A. Ready. 1,973,101; Sept. 11.
- Agricultural implement, Multiple section. A. R. Kadel. 1,966,799; July 17.
- Agriculture. A. L. Clapp. 1,962,806; June 12.
- Alleron. E. F. Zaparka. 1,971,591; Aug. 28.
- Alleron and flap construction. E. F. Zaparka. 1,971,592; Aug. 28.
- Alleron control. R. J. Minshall. 1,967,777; July 24.
- Alleron, Tip flap. T. de Port. 1,947,461; Feb. 20.
- Air activator. R. John. 1,975,424; Oct. 2.
- Air activator. R. John. 1,975,426-7; Oct. 2.
- Air and dust separator. T. E. Forster. 1,982,733; Dec. 4.
- Air and fuel controlling means for internal combustion engines. F. A. Thaheld and C. S. Crickmer. 1,985,528; Dec. 25.
- Air and water cooling apparatus. B. F. Miller and F. S. Starbald. 1,966,802; July 17.
- Air, Apparatus for carbureting. R. T. Hapgood. 1,985,165; Dec. 18.
- Air, Apparatus for conditioning. G. D. Harris. 1,981,595; Nov. 20.
- Air, Apparatus for purifying and regenerating. G. Cor-netto. 1,971,131; Aug. 21.
- Air blasts or suction, Device for producing. A. L. Bridg-ham. 1,984,359; Dec. 18.
- Air brake. C. A. Campbell. 1,951,083; Mar. 13.
- Air brake. C. A. Campbell. 1,952,532; Mar. 27.
- Air brake. C. A. Campbell. 1,954,039; Apr. 10.
- Air brake. C. A. Campbell. 1,956,666; May 1.
- Air brake. C. A. Campbell. 1,957,692; May 8.
- Air brake. C. A. Campbell. 1,962,268; June 12.
- Air brake. C. A. Campbell and E. C. Vroman. 1,984,459; Dec. 18.
- Air brake apparatus. D. H. Schwyer. Re19,158; May 8.
- Air-break switch, Arc suppressing. R. R. Pittman and C. H. Walsh. 1,963,418; June 19.
- Air bubbles in glass, Prevention of. L. Sanchez-Vello. 1,976,737; Oct. 2.
- Air chamber of pumps. H. Peters. 1,959,640; May 22.
- Air circulating apparatus. A. C. Gilbert and A. A. Ar-nold. 1,954,872; Apr. 17.
- Air circulator. H. C. Hueglin. Des. 94,029; Dec. 11.
- Air circulator. F. N. Ross. 1,958,768; May 15.

- Air cleaner. R. D. Acton. 1,960,260; May 29.
 Air cleaner. F. P. Bingham. 1,966,280; July 10.
 Air cleaner. A. A. Carlson. 1,962,425; June 12.
 Air cleaner. J. Cartmell. 1,985,481; Dec. 25.
 Air cleaner. C. R. Dabadie. 1,968,016; July 31.
 Air cleaner. W. W. Lowther. 1,949,212; Feb. 27.
 Air cleaner. J. Mikulasek. 1,983,866; Dec. 11.
 Air cleaner. A. W. Miller. 1,946,291; Feb. 6.
 Air cleaner. W. H. Schulz. 1,983,100; Dec. 4.
 Air cleaner. O. R. Skelton. 1,944,279; Jan. 23.
 Air cleaner. W. B. Sullivan. 1,953,786; Apr. 3.
 Air cleaner. C. A. Winslow. 1,955,354; Apr. 17.
 Air cleaner. W. H. Worthington. 1,958,735; May 15.
 Air cleaner. M. W. Zander. 1,951,384; Mar. 20.
 Air cleaner. J. Zubaty. 1,950,586; Mar. 13.
 Air cleaner and muffler, Combined. W. B. Sullivan. 1,953,785; Apr. 3.
 Air cleaner and silencer. G. C. Rensink. 1,968,312; July 31.
 Air cleaner and silencer for internal combustion engines. G. C. Rensink. 1,953,543; Apr. 3.
 Air cleaner having internal axial inlet. H. H. Garner. 1,972,398; Sept. 4.
 Air cleaning and blowing apparatus. J. H. Fedeler. 1,984,871; Dec. 18.
 Air cleaning and humidifying device. A. Chizmar. 1,948,097; Feb. 20.
 Air compressing apparatus. F. A. E. Jenkins. 1,980,997; Nov. 20.
 Air compressing system. H. T. Hunter. 1,963,020; June 12.
 Air compressor. B. S. Aikman. 1,972,750; Sept. 4.
 Air compressor. W. R. Brown. 1,957,526; May 8.
 Air compressor. J. M. Jones. 1,946,857; Feb. 13.
 Air compressor. H. J. McAllister. Des. 93,350; Sept. 18.
 Air compressor. R. P. Pescara. 1,950,063; Mar. 6.
 Air compressor. A. C. Peterson. 1,962,836; June 12.
 Air compressor and centrifugal pump, Rotary hydraulic. A. W. Burks. 1,978,400; Oct. 30.
 Air compressor and supercharger. S. G. Kotelevtseff. 1,949,723; Mar. 6.
 Air compressor engine. J. R. Frantz. 1,970,371; Aug. 14.
 Air compressors by supercharged engines, Apparatus for driving rotary. C. R. Waseige. 1,954,436; Apr. 10.
 Air conditioner. L. J. Black. 1,941,734; Jan. 2.
 Air conditioner. L. W. Child. 1,972,088; Sept. 4.
 Air conditioner. W. L. Fleisher. 1,970,296; Aug. 14.
 Air conditioner. R. C. Jeperfinger. Des. 93,401; Sept. 25.
 Air conditioner. L. U. Larkin. 1,966,632; July 17.
 Air conditioner. S. C. Miller. 1,944,992; Jan. 30.
 Air conditioner. F. Riebel, jr., and L. W. Child. 1,972,109; Sept. 4.
 Air conditioner. J. H. Voss and H. A. Steinmeyer. 1,968,184; July 31.
 Air conditioner. J. C. Wichmann. 1,981,159; Nov. 20.
 Air conditioner and compressor. O. H. Klotz. 1,956,390; Apr. 24.
 Air conditioner and humidifier. R. L. Payne and G. E. Marica. 1,948,277; Feb. 20.
 Air conditioning. H. V. Atwell. 1,974,145; Sept. 18.
 Air conditioning. W. H. Carrier. 1,956,707; May 1.
 Air conditioning. W. H. Lapp. 1,974,244; Sept. 18.
 Air conditioning and dispensing system. I. H. Jewell. 1,979,941; Nov. 6.
 Air conditioning and filtering device. R. A. Ilg. 1,976,401; Oct. 9.
 Air conditioning and refreshing system. S. C. Askhaven. 1,965,562; July 10.
 Air conditioning and refrigeration system. C. E. Lewis. 1,980,688; Nov. 13.
 Air conditioning apparatus. A. M. Anderson. 1,949,640; Mar. 6.
 Air conditioning apparatus. F. A. and W. Anetsberger. 1,955,269; Apr. 17.
 Air-conditioning apparatus. C. E. Bradburn. 1,951,270; Mar. 13.
 Air conditioning apparatus. T. B. Brunt. 1,948,647; Feb. 27.
 Air conditioning apparatus. W. A. Bulger. 1,952,362; Mar. 27.
 Air conditioning apparatus. G. Campbell. 1,964,558; June 26.
 Air conditioning apparatus. E. F. Fisher. 1,979,538; Nov. 6.
 Air conditioning apparatus. F. W. Hensler. 1,966,034; July 10.
 Air conditioning apparatus. B. M. Hess. 1,958,164; May 8.
 Air conditioning apparatus. A. J. R. Houston. 1,984,135; Dec. 11.
 Air conditioning apparatus. H. B. Howry. 1,944,146; Jan. 16.
 Air-conditioning apparatus. C. T. Morse and E. L. Hogan. 1,950,807; Mar. 13.
 Air conditioning apparatus. C. T. Morse and E. L. Hogan. 1,954,455-6; Apr. 10.
 Air conditioning apparatus. A. H. Strong. 1,962,532; June 12.
 Air conditioning apparatus. G. F. Zellhoefer. 1,950,349; Mar. 6.
 Air conditioning apparatus for passenger cars. J. H. Davis. 1,943,516; Jan. 16.
 Air conditioning apparatus, Portable. S. M. Anderson. 1,952,833; Mar. 27.
 Air conditioning apparatus, Radiator type. H. L. Smith, jr., and L. N. Jones. 1,983,711; Dec. 11.
 Air conditioning device. C. E. Carey. 1,942,085; Jan. 2.
 Air conditioning device. W. C. Denison. 1,957,058; May 1.
 Air conditioning device. C. H. Kidwell. 1,962,644; June 12.
 Air conditioning device. G. C. Leger. 1,974,496; Sept. 25.
 Air conditioning device. E. D. McCombie. 1,978,546; Oct. 30.
 Air conditioning device. A. A. Roesch. 1,945,379; Jan. 30.
 Air conditioning device. J. J. Strang and E. P. Brus. 1,969,863; Aug. 14.
 Air conditioning device. J. J. Strang and E. P. Brus. 1,984,605; Dec. 18.
 Air conditioning device. A. Thousand. 1,973,233; Sept. 11.
 Air conditioning for railway cars. W. F. Kiesel, jr. 1,943,121; Jan. 9.
 Air-conditioning furnace. C. C. Wilson. 1,984,907; Dec. 18.
 Air conditioning machine. E. J. Buckley and F. R. Stevens. 1,957,316; May 1.
 Air conditioning machine. A. E. Rourke. 1,984,658; Dec. 18.
 Air conditioning means. F. A. Whiteley. 1,969,829; Aug. 14.
 Air conditioning method and apparatus. E. M. Frankel. 1,970,301; Aug. 14.
 Air conditioning system. B. S. Foss. 1,981,952; Nov. 27.
 Air conditioning system. S. Garre, jr. 1,963,698; June 19.
 Air conditioning system. H. C. and E. R. Hewitt. 1,965,078; July 3.
 Air conditioning system. C. C. Hunicke. 1,982,305; Nov. 27.
 Air conditioning system. G. W. Johnson. 1,967,940; July 24.
 Air conditioning system. S. R. Lewis. 1,943,613; Jan. 16.
 Air conditioning system. A. Merle. 1,985,050; Dec. 18.
 Air conditioning system. E. B. Miller. 1,945,441; Jan. 30.
 Air conditioning system. C. A. Seitz and J. C. Bostain. 1,951,997; Mar. 20.
 Air conditioning system. J. A. Space. 1,977,248; Oct. 16.
 Air conditioning system. D. J. Stewart. 1,944,699; Jan. 23.
 Air conditioning system. D. J. Stewart. 1,970,584; Aug. 21.
 Air conditioning system. H. A. Stockly. 1,980,109; Nov. 6.
 Air conditioning system and apparatus therefor. F. T. and R. K. Lellich. 1,945,944; Feb. 6.
 Air conditioning unit. C. M. Ashley and V. S. Day. 1,948,156; Feb. 20.
 Air conditioning unit. G. B. Bright. 1,976,431; Oct. 9.
 Air conditioning unit. P. Huttenmiller. 1,983,294; Dec. 4.
 Air conditioning unit. E. H. Koon. 1,945,553; Feb. 6.
 Air conditioning unit. C. A. Olson. Des. 91,838; Mar. 27.
 Air conditioning unit, Thermal. W. Shurtleff. 1,944,908; Jan. 30.
 Air conditioning utilizing carbon dioxide ice. H. E. Morton. 1,985,616; Dec. 25.
 Air conditioning with ground cooling and solar heat. D. K. Warner. 1,957,624; May 8.
 Air control apparatus. A. O. Price. 1,957,413; May 1.
 Air control for shoe press machines. W. C. Card, jr. 1,965,217; July 3.
 Air control mechanism. W. F. Andersen. 1,944,485; Jan. 23.
 Air control register. J. H. Bailey. 1,983,015; Dec. 4.
 Air controlled brake. W. J. Davis. 1,972,330; Sept. 4.
 Air cooler. G. S. Hall. 1,973,981; Sept. 18.
 Air cooler and circulator. A. B. Modine. 1,985,052; Dec. 18.
 Air cooling and air conditioning device. R. C. Roe. 1,954,949; Apr. 17.
 Air cooling and dehumidifying system. L. M. Persons. 1,976,963; Oct. 16.
 Air cooling apparatus, Portable. W. J. Madden. 1,943,127-8; Jan. 9.
 Air cooling device. H. S. de Malaussene and A. L. Bernheimer. 1,972,010; Aug. 28.
 Air cooling device. A. J. Peabody. 1,965,255; July 3.
 Air cooling device. J. Stark. 1,961,799; June 5.
 Air cooling system. S. M. Anderson. 1,978,854; Oct. 30.
 Air cooling system for passenger railway cars. J. M. Le Mieux. 1,972,305; Sept. 4.
 Aircraft. T. Berbeck. 1,972,005; Aug. 28.
 Aircraft. F. E. Clarke. 1,943,290; Jan. 16.
 Aircraft. G. W. Cornelius. 1,945,520; Feb. 6.
 Aircraft. F. T. Courtney. 1,954,727; Apr. 10.
 Aircraft. C. L. Fortier. 1,948,574; Feb. 27.
 Aircraft. J. M. Gwinn, jr. 1,965,185; July 3.
 Aircraft. G. W. Hardin. 1,949,304; Feb. 27.
 Aircraft. R. J. Hoffman. 1,981,700; Nov. 20.
 Aircraft. H. Junkers. 1,953,234; Apr. 3.
 Aircraft. H. C. King. 1,944,436; Jan. 23.
 Aircraft. T. M. Leka. 1,966,300; July 10.
 Aircraft. D. Mackenzie. 1,977,392; Oct. 16.
 Aircraft. W. F. McBride. 1,948,426; Feb. 20.
 Aircraft. F. W. McIntyre. 1,975,116; Oct. 2.
 Aircraft. G. E. Myers. 1,970,812; Aug. 21.
 Aircraft. W. Rieseler and W. Kreiser. 1,975,124; Oct. 2.
 Aircraft. H. G. Roth. 1,953,977; Apr. 10.
 Aircraft. E. P. Savidge. 1,980,002; Nov. 6.
 Aircraft. B. Smith. 1,968,227; July 31.

- Aircraft. E. A. Stalker. 1,982,968-9; Dec. 4.
 Aircraft. E. B. Wilford. 1,950,424; Mar. 13.
 Aircraft. E. B. Wilford. 1,957,813; May 8.
 Aircraft. C. A. Wraggs. 1,951,464; May 20.
 Aircraft altitude determination system. A. H. Taylor, L. C. Young, and L. A. Hyland. 1,979,297; Nov. 6.
 Aircraft altitude indicator. W. L. Smith. 1,959,309; May 15.
 Aircraft and method of operation. Rotative-winged. J. de la Cierva. 1,974,738; Sept. 25.
 Aircraft and propulsion means therefor. C. Marguglio. 1,957,896; May 8.
 Aircraft antenna weight. C. W. Burger. 1,953,071; Apr. 3.
 Aircraft. Apparatus for determining the course and speed of. R. Riberolles. 1,943,397; Jan. 16.
 Aircraft construction. A. F. La Fon. 1,969,804; Aug. 14.
 Aircraft construction. E. L. Matlock. 1,980,869; Nov. 13.
 Aircraft construction. Sheet metal. E. J. W. Ragsdale. 1,965,258; July 3.
 Aircraft control. F. C. Kusse. 1,955,921; Apr. 24.
 Aircraft control system. W. Möller. 1,967,155; July 17.
 Aircraft control system. R. P. Mueller. 1,941,616; Jan. 2.
 Aircraft. Convertible. C. R. Harding. 1,983,171; Dec. 4.
 Aircraft covering. F. Mazzini. 1,944,990; Jan. 30.
 Aircraft. Device indicating the flying attitude of. R. Talafré and H. Renault. 1,980,886; Nov. 13.
 Aircraft. Ground propulsion of. E. A. Stalker. 1,983,493; Dec. 4.
 Aircraft having freely rotative wings. J. de la Cierva. 1,949,785; Mar. 6.
 Aircraft having pivotally and rotatively mounted sustaining blades. H. F. Pitcairn. 1,977,834; Oct. 23.
 Aircraft having rotatable sustaining means. H. F. Pitcairn. 1,959,444; May 22.
 Aircraft having sustaining rotors. A. E. Larsen. 1,980,999; Nov. 20.
 Aircraft having sustaining rotors. J. S. Pecker. 1,971,016; Aug. 21.
 Aircraft having sustaining rotors. H. F. Pitcairn. 1,958,444; May 15.
 Aircraft having sustaining rotors and operating the same. H. S. Campbell. 1,980,980; Nov. 20.
 Aircraft, including means for entering and leaving same. I. Sikorsky. 1,955,256; Apr. 17.
 Aircraft indicator. A. Urfer. 1,944,619; Jan. 23.
 Aircraft landing gear holding device. F. W. Fink. 1,983,358; Dec. 4.
 Aircraft. Lateral control for. J. H. Gerdes. 1,962,390; June 12.
 Aircraft. Launching. R. H. Mayo. 1,974,684; Sept. 25.
 Aircraft motors. Mounting for. H. C. Otwell. 1,966,309; July 10.
 Aircraft navigational instrument. R. H. Smith. 1,985,265; Dec. 25.
 Aircraft navigational instrument. R. H. Smith and J. P. W. Vest. 1,985,266; Dec. 25.
 Aircraft. Nondirigible. E. E. Joy. 1,956,508; Apr. 24.
 Aircraft of the rotative sustaining wing type. J. de la Cierva. 1,969,781; Aug. 14.
 Aircraft of the rotative wing type. J. de la Cierva. 1,947,901; Feb. 20.
 Aircraft of the rotative wing type. J. de la Cierva. 1,950,080; Mar. 6.
 Aircraft. Preventing spinning in. E. A. Stalker. 1,946,921; Feb. 13.
 Aircraft propeller. A. B. Gardner. 1,972,337; Sept. 4.
 Aircraft propeller. W. H. Lyman. 1,977,072; Oct. 16.
 Aircraft propeller. E. Manasek. 1,947,560; Feb. 20.
 Aircraft propeller. A. P. Wiegand. 1,956,055; Apr. 24.
 Aircraft propeller. A. P. Wiegand. 1,970,114; Aug. 14.
 Aircraft propeller cowlings. C. H. Hall. 1,961,214; June 5.
 Aircraft propellers. Pitch angle control mechanism for. E. K. Le Fevre. 1,961,671; June 5.
 Aircraft propelling and controlling mechanism. C. S. Hall. 1,941,799; Jan. 2.
 Aircraft. Rotating wing. T. E. Moodie. 1,975,118; Oct. 2.
 Aircraft structure. E. J. W. Ragsdale. 1,973,268; Sept. 11.
 Aircraft structures. Constructing. J. A. Roche. 1,985,262; Dec. 25.
 Aircraft sustained by a lifting screw. E. A. Stalker. 1,971,734; Aug. 28.
 Aircraft. Sustaining device for. E. F. Zaparka. 1,971,590; Aug. 28.
 Aircraft sustaining rotor. A. E. Larsen. 1,948,457-8; Feb. 20.
 Aircraft sustaining unit. J. H. Howe. 1,969,077; Aug. 7.
 Aircraft training and sport apparatus. H. J. Mallon. 1,945,698; Feb. 6.
 Aircraft wing, particularly of the rotative type. A. E. Larsen. 1,971,043; Aug. 21.
 Aircraft wing structure. E. J. W. Ragsdale. 1,942,148; Jan. 2.
 Aircraft with rotative sustaining blades. J. de la Cierva. 1,948,456; Feb. 20.
 Aircraft with rotative sustaining blades. J. de la Cierva. 1,971,033; Aug. 21.
 Aircraft with rotative wings. J. de la Cierva. 1,948,455; Feb. 20.
 Aircraft with rotative wings. J. de la Cierva. 1,948,514; Feb. 27.
 Aircraft with rotative wings. J. de la Cierva. 1,949,296; Feb. 27.
 Air deflector for automobiles. W. L. Morrison. 1,962,966; June 12.
 Air deflector for vehicles. J. Krakora, jr. 1,953,683; Apr. 3.
 Air delivery apparatus for fuel combustion. H. Meachem. 1,953,767; Apr. 3.
 Air director for liquid fuel or powdered fuel furnaces. F. L. Bolt. 1,959,521; May 22.
 Air distributing system and apparatus for railroad cars. A. E. Stacey, jr., and H. R. Arf. 1,982,125; Nov. 27.
 Air duct register. E. A. Jones. 1,959,132; May 15.
 Air filter. E. S. Bishop. 1,968,436; July 31.
 Air filter. C. Christofferson. 1,982,639; Dec. 4.
 Air filter. V. Dahlman. 1,944,407; Jan. 23.
 Air filter. V. Dahlman. 1,953,156; Apr. 3.
 Air filter. R. E. Halstead. 1,948,791; Feb. 27.
 Air filter. J. K. Hammond. 1,949,540; Mar. 6.
 Air filter. J. M. Joseph. 1,952,989; Mar. 27.
 Air filter. S. G. Sylvan. 1,941,450; Jan. 2.
 Air filter. O. Wechsberg. 1,965,717; July 10.
 Air filter. W. A. Wood. 1,951,956; Mar. 20.
 Air flow for garment or ironing presses. E. Davis. 1,964,037; June 26.
 Airfoil construction. G. E. Barnhart. 1,974,407; Sept. 25.
 Air for use in treating materials. Conditioning. G. D. Harris. 1,972,772; Sept. 4.
 Air from liquid. Apparatus for eliminating free. W. H. Curtis. 1,970,843; Aug. 21.
 Air, gas, or smoke extractor. D. F. Macdonald. 1,968,949; Aug. 7.
 Air heater. I. E. Aske. 1,941,527; Jan. 2.
 Air heater. M. I. Larsen. 1,971,531; Aug. 28.
 Air heating and conditioning system. J. N. Lewellen. 1,983,620; Dec. 11.
 Air heating apparatus. H. M. Jerome. 1,965,102; July 3.
 Air heating attachment for vacuum cleaners. L. R. Amoo. 1,985,136; Dec. 18.
 Air humidification apparatus. V. S. Day. 1,984,866; Dec. 18.
 Air. Humidifying. L. C. Huff. 1,970,234; Aug. 14.
 Air in enclosed spaces. Cleaning. W. R. Franks. 1,982,470; Nov. 27.
 Air in refrigerators. Method and apparatus for conditioning. C. G. Vretman. 1,979,589; Nov. 6.
 Air in refrigerators. Process and apparatus for conditioning. C. G. Vretman. 1,979,590; Nov. 6.
 Air inflating device. W. L. Donkin. 1,978,345; Oct. 23.
 Air inlet device. M. Mallory. 1,969,228; Aug. 7.
 Air inlet device for automobile motors. M. Mallory. 1,960,746; May 29.
 Air inlet device for internal combustion motors. M. Mallory. 1,961,062; May 29.
 Air inlet for internal combustion motors. M. Mallory. 1,977,518; Oct. 16.
 Air jack. J. Pollard. 1,957,151; May 1.
 Air lines. Attachment for. F. I. Jaden and A. B. Arnold. 1,982,519; Nov. 27.
 Airlock. Submarine. J. F. O'Rourke. 1,948,934; Feb. 27.
 Air mail receptacle. S. Ludlow, jr. 1,970,011; Aug. 14.
 Air metering device. F. H. Ragan. 1,974,853; Sept. 25.
 Air. Method and apparatus for conditioning. S. M. Anderson. 1,972,912; Sept. 11.
 Air. Method and apparatus for conditioning. H. O. Forrest and L. van Horn. 1,971,777; Aug. 28.
 Air. Method and apparatus for conditioning. G. R. Goldthwaite. 1,975,267; Oct. 2.
 Air. Method and apparatus for cooling. R. T. Brizzolara. 1,952,414; Mar. 27.
 Air-method cleaner. D. B. Replogle. 1,983,566; Dec. 11.
 Air. Method of and apparatus for conditioning. A. F. Wright. 1,966,275; July 10.
 Air mixer and gas saver. Vapor. C. Stover. 1,960,982; May 29.
 Air mixture. Forming carbureted. C. S. Kegerreis. 1,967,672; July 24.
 Air moistener. J. H. Mitchell. 1,949,320; Feb. 27.
 Air moistening and heating. G. Van Daam. 1,959,558; May 22.
 Air moistening device. F. I. Basic. 1,957,576; May 8.
 Air operated clamp. E. F. Oyster. 1,948,799; Feb. 27.
 Air or gas distributing device. F. J. Kurth and J. Sassenberg. 1,973,490; Sept. 11.
 Air or gases. Apparatus for the filtration of. H. A. Brassert, A. J. Boynton, and J. P. Grilli. 1,947,447; Feb. 20.
 Air oscillator. R. L. Williams. 1,960,258; May 29.
 Airplane. H. Alfaro. 1,964,418; June 26.
 Airplane. G. W. Cornelius. Des. 92,883; July 31.
 Airplane. T. Dugan. 1,949,787; Mar. 6.
 Airplane. J. Emmi, jr. 1,952,242; Mar. 27.
 Airplane. M. Finocchiaro. 1,942,279; Jan. 2.
 Airplane. R. M. Gruss. 1,971,003; Aug. 21.
 Airplane. R. F. Hall. 1,959,236; May 15.
 Airplane. H. L. Hibbard. Des. 92,654; July 3.
 Airplane. H. A. Hicks. 1,955,185; Apr. 17.
 Airplane. J. H. Kindelberger. Des. 93,983; Dec. 4.
 Airplane. L. C. Milburn. Des. 93,730-1; Oct. 30.
 Airplane. H. Pitts. 1,948,629; Feb. 27.
 Airplane. W. K. Rose. 1,962,411; June 12.
 Airplane. W. A. and H. J. Roth. 1,964,179; June 26.
 Airplane. H. E. Shaw. 1,943,774; Jan. 16.
 Airplane. T. M. Shelton. Des. 91,444; Jan. 30.
 Airplane. W. B. Stout. 1,980,233; Nov. 13.

- Airplane. J. Wagner. 1,956,054; Apr. 24.
 Airplane. F. R. White. 1,981,441; Nov. 20.
 Airplane baggage compartment. G. M. Bellanca. 1,952,786; Mar. 27.
 Airplane body. E. J. W. Ragsdale. 1,942,149; Jan. 2.
 Airplane brake. L. J. Tetlow. 1,982,035; Nov. 27.
 Airplane catapult. W. M. Fellers and F. B. Gross. 1,963,081; June 19.
 Airplane construction. G. M. Bellanca. 1,971,637; Aug. 28.
 Airplane construction. H. A. Berliner. 1,977,616; Oct. 23.
 Airplane construction. S. T. Williams. 1,961,996; June 5.
 Airplane control. D. Gregg and W. L. Smith. 1,978,863; Oct. 30.
 Airplane control side propeller mechanism. F. L. Szafranski and J. Rogozynski. 1,957,739; May 8.
 Airplane cowl fastener. G. W. Panceo. 1,949,027; Feb. 27.
 Airplane, Double deck transport. R. J. Minshall and F. R. Canney. Des. 92,189; May 8.
 Airplane gasoline gauge. H. H. Raymond. 1,979,705; Nov. 6.
 Airplane having a variable lifting surface. J. Gerin. 1,979,194; Oct. 30.
 Airplane-helicopter. E. E. Blount. 1,951,817; Mar. 20.
 Airplane landing light. S. W. Hyatt. 1,943,609; Jan. 16.
 Airplane, Model. H. Steiff. 1,952,952; Mar. 27.
 Airplane, Multimotored. A. H. Loughhead. 1,981,237; Nov. 20.
 Airplane, Open cockpit pursuit. C. N. Montelth, R. J. Minshall, and J. Kylstra. Des. 91,720; Mar. 13.
 Airplane propeller. O. L. Gibbs. 1,970,847; Aug. 21.
 Airplane propeller. J. E. Thompson. 1,947,365; Feb. 13.
 Airplane propeller blades, Making. J. Squires. 1,943,560; Jan. 16.
 Airplane rudder structure. E. J. W. Ragsdale. 1,967,901; July 24.
 Airplane safety device. V. F. Zahodiakin. 1,972,967; Sept. 11.
 Airplane spray equipment. O. Morgensen, jr. 1,957,075; May 1.
 Airplane stabilizer structure. R. I. Markey and H. Sadler. 1,978,640; Oct. 30.
 Airplane structural elements. R. J. Minshall. 1,963,416; June 19.
 Airplane structure. H. Swan and S. Higgins. 1,973,124; Sept. 11.
 Airplane take-off accelerator. C. A. R. Benedict. 1,957,931; May 8.
 Airplane toy and instructor apparatus. J. Weisinger. 1,973,592; Sept. 11.
 Airplane wing. J. H. Schley, jr. Des. 94,055; Dec. 11.
 Airplane wing spar. R. G. Miller. 1,942,391; Jan. 2.
 Airplane wing structure. J. E. Younger. 1,974,764; Sept. 25.
 Airplane wing structure model. R. N. Massie. Des. 94,092; Dec. 18.
 Airplanes by means of wind-vanes, Device for stabilizing. L. Constantin. 1,956,755; May 1.
 Air preheater for burners, Compound. T. J. Ellis and E. F. Burns. 1,949,605; Mar. 6.
 Air pressure control means. J. T. Needham. 1,977,737; Oct. 23.
 Air pressure gauge. O. C. and D. O. Druge. 1,943,469; Jan. 16.
 Air propeller. J. Tóth. 1,968,918; Aug. 7.
 Air propelling device. W. R. Mobley. 1,968,955; Aug. 7.
 Air propelling device. W. R. Mobley. 1,971,015; Aug. 21.
 Air pump. E. H. Smith. 1,976,098; Oct. 9.
 Air purification. F. E. Hartman. 1,965,187; July 3.
 Air purifying device. M. Madsen. 1,977,074; Oct. 16.
 Air purifying device. M. Torrebadella. 1,962,650; June 12.
 Air register. J. McDonald and G. B. Dahl. 1,943,083; Jan. 9.
 Air register for fuel burners. E. H. Peabody. 1,948,627; Feb. 27.
 Air regulating means for liquid-fuel furnaces. H. C. Grant, jr. 1,976,680-1; Oct. 9.
 Air regulator for furnaces, Auxiliary. D. F. Hunt and W. E. Hessman. 1,962,147; June 12.
 Air release device for humidifiers and the like. E. S. Cornell, jr. 1,977,820; Oct. 23.
 Air release means for vacuum systems, Automatic. J. P. Ricci. 1,978,913; Oct. 30.
 Air release mechanism for dispensing apparatus. C. P. Griffith. 1,946,399; Feb. 6.
 Air scenting device. J. Burns. 1,955,171; Apr. 17.
 Aircrew, Helicopter. J. A. Jackson. 1,971,820; Aug. 28.
 Air separator. J. Aubé. 1,977,539; Oct. 16.
 Air separator. W. A. Gibson. 1,958,816; May 15.
 Air separator. H. S. Montgomery. 1,962,455; June 12.
 Air separator. T. J. Sturtevant. 1,958,726; May 15.
 Air separator. T. J. Sturtevant. 1,968,862; Aug. 7.
 Air service device. A. Penn. Re19,201; June 5.
 Air service dispensing device. E. M. Morley. 1,955,595; Apr. 17.
 Air service reel device. E. M. Morley. 1,968,308; July 31.
 Air supply means and method for cupolas. R. S. Brown. 1,970,221; Aug. 14.
 Air suspension and shock absorber. A. J. Safordada. 1,980,832; Nov. 13.
 Air switch. F. L. Aime. 1,954,976; Apr. 17.
 Air temperature regulating apparatus. J. A. H. Siers. 1,957,558; May 8.
 Air tempering apparatus. D. A. Hess and A. W. Johnson. 1,952,984; Mar. 27.
 Air to a fire box, Admitting. N. M. Lower. 1,945,817; Feb. 6.
 Air under pressure, Apparatus for supplying. J. C. Woodford. Re19,148; Apr. 24.
 Air valve. F. H. Tweed. 1,943,462; Jan. 16.
 Air vitiated with mercury vapors, Process and apparatus for purifying. A. Stock. 1,984,164; Dec. 11.
 Air volume regulator. J. M. Frank. 1,956,829; May 1.
 Air washer and dehumidifier. W. J. Caldwell. 1,968,778; July 31.
 Air washer and humidifier. R. M. Sherwood. 1,955,518; Apr. 17.
 Air washer and humidifier. W. W. Williams. 1,950,347; Mar. 6.
 Air washing device. H. G. Lundquist. 1,952,269; Mar. 27.
 Air washing system. F. C. Miller and J. H. Wagener. 1,953,537; Apr. 3.
 Alarm actuating apparatus for sprinkler systems and the like. W. A. Kennedy. 1,984,067; Dec. 11.
 Alarm, Automatic fire and burglar. A. Kohndorfer. 1,984,140; Dec. 11.
 Alarm, Automobile. C. C. White. 1,956,782; May 1.
 Alarm, Bandit. A. C. Woodward. 1,971,549; Aug. 28.
 Alarm, Burglar. J. M. Lupold and O. B. Grosser. 1,974,779; Sept. 25.
 Alarm, Burglar. H. Rekonty. 1,965,512; July 3.
 Alarm control. D. W. Davis. 1,950,022; Mar. 6.
 Alarm control for clocks. J. E. Coogan. 1,957,390; May 1.
 Alarm device. L. V. Gregson. 1,973,759; Sept. 18.
 Alarm device. W. M. S. Kilgour. 1,941,694-5; Jan. 2.
 Alarm device. J. Pincus and D. Goldstone. 1,965,946; July 10.
 Alarm device. C. G. Trefethen. 1,979,653; Nov. 6.
 Alarm device, Fluid-pressure-actuated. A. C. Rowley. 1,946,412; Feb. 6.
 Alarm, Fire. L. G. Sremec. 1,973,272; Sept. 11.
 Alarm, Fire and burglar. F. C. North. 1,962,519; June 12.
 Alarm for automobiles, Theft. C. W. Clark and R. Rupert. 1,983,932; Dec. 11.
 Alarm for fire extinguishing systems. A. C. Rowley. 1,980,095; Nov. 6.
 Alarm for motor vehicles, Emergency brake. W. M. Konikov. 1,952,441; Mar. 27.
 Alarm mechanism for clocks. D. S. Gourley. 1,943,598; Jan. 16.
 Alarm selector apparatus. L. L. E. Chauveau. 1,967,396; July 24.
 Alarm signaling means. F. F. Rowell. 1,965,004; July 3.
 Alarm switch, Automatic. J. M. Gloudemans. 1,969,554; Aug. 7.
 Alarm system. D. J. Di Bona. 1,956,317; Apr. 24.
 Alarm system. J. H. Ehrle. 1,948,850; Feb. 27.
 Alarm system. T. J. Krouse. 1,975,513; Oct. 2.
 Alarm system. C. H. Wheeler. 1,957,565; May 8.
 Alarm system, Burglar. S. J. Hodos. 1,964,353; June 26.
 Alarm system for banks and the like. W. H. Davidson. 1,946,781; Feb. 13.
 Alarm system, Multiple. W. K. Mason. 1,966,730; July 17.
 Alarm system switch. J. A. and W. A. Mossie. 1,964,439; June 26.
 Alarm transmitting means, Hold-up. J. H. Derby. 1,966,062; July 10.
 Album for photographic pictures and the like. J. F. Koster. 1,957,716; May 8.
 Album, Stamp collector's. C. E. Breikreuz. 1,977,667; Oct. 23.
 Alcohol and ester, Denatured. W. N. Davis and J. T. Rutherford. 1,949,244; Feb. 27.
 Alcohol and ether, Manufacture of. W. P. Joshua and H. M. Stanley. 1,960,633; May 29.
 Alcohol, Basic. J. Klarer, F. Mietzsch, and H. Hahl. 1,978,539; Oct. 30.
 Alcohol denaturant and preparing it. L. J. Figg, jr. 1,975,091; Oct. 2.
 Alcohol directly from mash and the like, Apparatus for producing anhydrous ethyl. A. Gorhan. 1,946,020; Feb. 6.
 Alcohol esters of the higher fatty acids and making the same, Sulphonated higher. F. Dambacher. 1,957,324; May 1.
 Alcohol free from fusel oil, Production of. A. Gorhan. 1,982,988; Dec. 4.
 Alcohol from ethylene, Production of ethyl. G. F. Horsley. 1,977,632; Oct. 23.
 Alcohol from olefines, Production of. W. Engs and R. Moravec. 1,967,399; July 24.
 Alcohol, Manufacture of ethyl. W. P. Joshua. H. M. Stanley, and J. B. Dymock. 1,973,266-70; Oct. 23.
 Alcohol, Preparation of normal propyl. C. O. Young and G. H. Law. 1,953,548; Apr. 3.
 Alcohol, Preparing acetoethyl. J. Hilger. 1,955,882; Apr. 24.
 Alcohol, Rectifying. H. M. Guinot. 1,973,529; Sept. 11.
 Alcoholic liquid mixtures, Production of water-free. A. Gorhan. 1,982,989; Dec. 4.
 Alcoholic mixtures, Purification of. C. H. Greenewalt. 1,972,887; Sept. 11.

- Alcohols and hydroaromatic alcohols, Isolating or purifying terpene. J. W. Blagden and W. E. Huggett. 1,980,030; Nov. 6.
- Alcohols and ketones, Oxidation of alicyclic. E. L. Pelton. 1,961,623; June 5.
- Alcohols, Catalytic dehydrogenation of primary. W. A. Lazier. 1,975,853; Oct. 9.
- Alcohols containing more than four carbon atoms, Recovery of. W. Engs and R. Moravec. 1,955,416; Apr. 17.
- Alcohols from acid liquors formed by treating olefines with sulphuric acid, Obtaining secondary. B. T. Brooks. 1,948,286; Feb. 20.
- Alcohols from acid liquors, Obtaining secondary. B. T. Brooks. 1,944,400; Jan. 23.
- Alcohols from olefines, Producing. J. A. Davies. 1,966,166; July 10.
- Alcohols from olefines, Production of. G. F. Horsley. 1,977,634; Oct. 23.
- Alcohols, Hydrogenation of aliphatic polyhydric. A. W. Larchar. 1,963,997; June 26.
- Alcohols, Manufacture of. L. A. Clarke and L. W. Cook. 1,984,334; Dec. 11.
- Alcohols, Manufacture of. A. J. Van Peski and W. C. B. Smithuysen. 1,954,506; Apr. 10.
- Alcohols, Manufacture of aromatic. L. and I. Valik. 1,944,959; Jan. 30.
- Alcohols, Obtaining higher molecular. W. Schrauth. 1,962,941; June 12.
- Alcohols, Oxidation of. H. A. Bond and L. B. Smith. 1,968,552; July 31.
- Alcohols, Processing. J. C. Woodhouse. 1,979,303; Nov. 6.
- Alcohols, Producing. G. F. Horsley. 1,977,633; Oct. 23.
- Alcohols, Producing polyhydroxy. A. W. Larchar. 1,963,999; June 26.
- Alcohols, Production of. W. Engs and R. Z. Moravec. 1,955,417; Apr. 17.
- Alcohols, Production of anhydrous and absolute. R. B. Derr. 1,985,205; Dec. 18.
- Alcohols, Production of anhydrous and absolute. R. B. Derr and C. B. Willmore. 1,985,204; Dec. 18.
- Alcohols, Production of aralkyl. E. Dorrer and H. Hopff. 1,966,488; July 17.
- Alcohols, Production of primary. H. Bertsch. 1,971,742; Aug. 28.
- Alcohols, Purification of aromatic. L. and I. Valik. 1,944,958; Jan. 30.
- Alcohols, Purification of secondary. R. B. Lebo. 1,949,211; Feb. 27.
- Alcohols to form aliphatic acids, Cyclic oxidation of. W. J. Hale and W. S. Haldeman. 1,951,280; Mar. 13.
- Aligner, Wheel. C. A. Hink. 1,970,092; Aug. 14.
- Aligning attachment for steering gears, Automatic. H. H. Smeltz and C. R. Zurn. 1,949,585; Mar. 6.
- Alignment gauge. R. J. O. Simpson. 1,965,131; July 3.
- Alignment of pattern pieces on garment fabrics, Apparatus for effecting. J. Bonanno. 1,963,773; June 19.
- Aliphatic and hydro-aromatic oxides, Producing. W. Schoeller, E. Schwenk, E. Borgwardt, and F. Aichner. 1,967,433; July 24.
- Aliphatic anhydrides, Manufacture of. H. Dreyfus. 1,947,977; Feb. 20.
- Aliphatic compounds, Fluorination of. A. L. Henne. 1,973,069; Sept. 11.
- Aliphatic compounds, Manufacture of. H. Dreyfus. 1,977,718; Oct. 23.
- Aliphatic compounds, Manufacture of. H. Dreyfus. 1,985,769; Dec. 25.
- Aliphatic compounds, Manufacture of oxygen-containing. H. Dreyfus. 1,965,072; July 3.
- Aliphatic derivatives of aromatic compounds, Forming. G. W. Seymour. 1,972,956; Sept. 11.
- Aliphatic ketones, Preparing. D. K. Tressler. 1,941,640; Jan. 2.
- Alkali carbon briquettes for the preparation of alkali cyanides, Production of highly active. F. Bartling. 1,957,129; May 1.
- Alkali carbonate or alkali hydroxide, and by-products of ammonia or ammonium salts, Manufacture of. F. Bartling. 1,947,671; Feb. 20.
- Alkali carbonate or alkali hydroxide, Manufacture of. H. Fricke and A. Meier. 1,979,151; Oct. 30.
- Alkali cellulose, Making. L. Lilienfeld. 1,973,491; Sept. 11.
- Alkali cyanate, Preparation of. H. T. J. König. 1,971,009; Aug. 21.
- Alkali fusions, Conducting caustic. J. E. Jewett. 1,947,852; Feb. 20.
- Alkali metal alcoholates, Making. E. T. Olson and R. H. Twining. 1,978,647; Oct. 30.
- Alkali metal carbamates, Production of. G. L. Cunningham, R. B. MacMullin, and W. K. McCready. 1,964,723; July 3.
- Alkali metal carbonates, Production of. R. B. MacMullin. 1,969,516; Aug. 7.
- Alkalimetal-cupri-alkalino-cyanides, New. H. Hagenest and F. W. Stauff. 1,962,559; June 12.
- Alkali metal cyanides, Manufacture of. J. Drucker, P. Lueg, and P. Weise. 1,955,229; Apr. 17.
- Alkali metal di-amylthiocarbamates. J. F. Olin. 1,983,240; Dec. 4.
- Alkali metal hydride, Manufacture of. A. M. Muckenfuss. 1,958,012; May 8.
- Alkali metal nitrate, Production of. C. W. Whittaker and F. O. Lundstrom. 1,965,400; July 3.
- Alkali metal phenoxides, Preparing anhydrous. L. E. Mills. 1,955,080; Apr. 17.
- Alkali metal pyroarsenates, Producing. G. H. Wagner and W. L. Mowe. 1,983,717; Dec. 11.
- Alkali metal salts of fatty acids, Manufacture of. M. Hof-süss. 1,951,696; Mar. 20.
- Alkali metals and by-products, Recovering. S. A. Moulton. 1,961,160; June 5.
- Alkali salts of adenylyl-pyrophosphoric acids. C. L. Lautenschlager and F. Lindner. 1,978,881; Oct. 30.
- Alkaline earth metal oxides, Preparing. O. Nitzsche. 1,947,952; Feb. 20.
- Alkaline silicate composite, Water resistant. L. L. Larson. 1,949,914; Mar. 6.
- Alkaline treatment of petroleum vapors. R. C. Vapor and P. W. Prutzman. Re19,179; May 22.
- Alkaloids from cocoa products, Recovering. J. Bebie, J. W. Livingston, and M. Luthy. 1,942,160; Jan. 2.
- Alkaloids from cocoa products, Recovering. M. Luthy. 1,942,177; Jan. 2.
- Alkoxy-amino- and alkoxy-nitro-carbazoles. G. Schrader, F. Ballauf, and A. Schmelzer. 1,974,518; Sept. 25.
- Alkoxy compounds, Preparing. K. Sponsel and H. Krauss. 1,965,008; July 3.
- Alkoxy derivatives of phosphorus acid chlorides, Manufacture of. E. Clemmensen. 1,945,183; Jan. 30.
- Alkoxy-3-carboxy-diphenyl. W. G. Christiansen and A. W. Harvey. 1,969,356; Aug. 7.
- Alkyl amino carbinols, Making. F. H. Kranz. 1,942,820; Jan. 9.
- Alkyl benzenes, Making. J. G. Davidson. 1,953,702; Apr. 3.
- Alkyl ethers of hydroxy aliphatic acids, Manufacture of. H. Dreyfus. 1,943,375; Jan. 16.
- Alkyl halides, Manufacture of. E. Teupel. 1,950,827; Mar. 13.
- Alkyl halides, Preparation of. L. C. Holt and H. W. Daudt. 1,983,542; Dec. 11.
- Alkyl-mercury-mercapto compounds, Water-soluble. K. Streitwolf and P. Fritzsche. 1,984,097; Dec. 11.
- Alkylphenols and producing the same, Substituted. F. F. Blicke. 1,980,966; Nov. 13.
- Alkyl phenols, Making tertiary. R. P. Perkins, A. J. Dietzler, and J. T. Lundquist. 1,972,599; Sept. 4.
- Alkyl phenols, Production of. H. E. Buc and R. Schuler. 1,948,287; Feb. 20.
- Alkyl-2-hydroxynaphthalene-3-carboxylic acids. W. Luce and E. Fischer. 1,951,832; Mar. 20.
- Alkyene derivatives from alkylene oxides, Production of. M. Wittwer. 1,976,677; Oct. 9.
- Alkylolamine-derivatives and preparing them. O. Elsleb. 1,949,247; Feb. 27.
- Alkylolamine derivatives of aliphatic acids. J. G. Kern and C. J. Sala. 1,946,079-80; Feb. 6.
- Allergen solution. M. B. Moore. 1,977,803; Oct. 23.
- Allocator for duplicating stamps. G. J. Helfrich. 1,949,864; Mar. 6.
- Allocator for duplicating stamps. G. J. Helfrich. 1,967,473; July 24.
- Alloy. J. Aderer. 1,965,093; July 3.
- Alloy. A. P. Bixler. 1,946,609; Feb. 13.
- Alloy. J. H. Derby. 1,982,645; Dec. 4.
- Alloy. H. E. Holbrook. 1,980,801; Nov. 13.
- Alloy. L. W. Kempf and I. R. Dawson. 1,944,183; Jan. 23.
- Alloy. R. H. Leach. 1,952,082-3; Mar. 27.
- Alloy. R. H. Leach. 1,969,018-19; Aug. 7.
- Alloy. G. Masing and W. Kroll. 1,945,653; Feb. 6.
- Alloy. J. A. Nock, jr. 1,974,969-70; Sept. 25.
- Alloy. R. E. Paine. 1,975,120; Oct. 2.
- Alloy. R. E. Paine. 1,984,151-2; Dec. 11.
- Alloy. H. Rabezzana and O. S. Duffendack. 1,970,768; Aug. 21.
- Alloy. G. Schichtel. 1,975,375-6; Oct. 2.
- Alloy. H. Scott. 1,942,260-1; Jan. 2.
- Alloy. H. F. Silliman. 1,974,839; Sept. 25.
- Alloy. B. S. Summers. 1,964,702; June 26.
- Alloy. R. J. Wiseman and B. B. Reinitz. 1,973,302; Sept. 11.
- Alloy. R. T. Wood. 1,942,041; Jan. 2.
- Alloy adapted for forging and casting purposes, Corrosion-resisting ferrous. M. P. Fould. 1,977,182; Oct. 16.
- Alloy and article composed of same. H. S. Cooper. 1,974,060; Sept. 18.
- Alloy and making same. C. W. Balke. 1,968,067; July 31.
- Alloy articles, Cast iron. C. O. Burgess. 1,984,458; Dec. 18.
- Alloy, Commintuted. A. W. Gray. 1,963,085; June 19.
- Alloy comprising chromium, nickel, manganese, and copper, Corrosion resistant ferrous. P. A. E. Armstrong. 1,962,702; June 12.
- Alloy, Copper base. J. Wecker. 1,975,216; Oct. 2.
- Alloy, Corrosion resistant. M. G. Corson. 1,945,679; Feb. 6.
- Alloy, electron emitter, and making same. D. W. Randolph. 1,976,295; Oct. 9.
- Alloy, Ferrous. P. A. E. Armstrong. 1,941,648; Jan. 2.
- Alloy, Ferrous. G. J. Comstock. 1,946,130; Feb. 6.
- Alloy, Ferrous. R. P. De Vries. 1,969,705; Aug. 7.
- Alloy, Ferrous. V. O. Homerberg. 1,944,178-9; Jan. 23.
- Alloy, Ferrous. F. C. Langenberg. 1,956,645; May 1.
- Alloy, Ferrous. F. R. Palmer. 1,961,777; June 5.
- Alloy for surgical needles. W. Rohn. 1,942,150; Jan. 2.
- Alloy for use in the manufacture of tetraethyl lead. W. S. Calcott, A. E. Parmelee, and H. F. Meschter. 1,944,167; Jan. 23.

- Alloy, Free cutting. L. W. Kempf and W. A. Dean. 1,959,029; May 15.
- Alloy, Hard. K. Moers, K. Schroeter, and H. Wolff. 1,973,441; Sept. 11.
- Alloy, Homogeneous antimony-bismuth. P. Berthelemy, H. de Montby, and J. Pourreau. 1,966,481; July 17.
- Alloy, Magnesium base forging. J. A. Gann, F. L. Reynolds, and A. W. Winston. 1,959,913; May 22.
- Alloy, Silver. E. F. Kern. 1,970,318-19; Aug. 14.
- Alloy, Sintered. R. R. Walter. 1,961,468; June 5.
- Alloy, Stainless copper base. R. A. Wilkins. 1,983,205; Dec. 4.
- Alloy steel. H. J. Schiffer. 1,942,779; Jan. 9.
- Alloy steel and hardening same, Hardened. F. B. Foley. 1,943,395; Jan. 16.
- Alloy steel spring. A. B. Kinzel. 1,972,524; Sept. 4.
- Alloy steels, Case hardened. E. C. Moffett. 1,980,817; Nov. 13.
- Alloy, Wear resisting ferrous. A. W. Gregg and R. H. Frank. 1,963,525; June 19.
- Alloys. D. Gray. 1,959,668; May 22.
- Alloys. R. H. Payne. 1,947,167; Feb. 13.
- Alloys, Cleaning nonferrous. L. O. Larsen. 1,984,534; Dec. 18.
- Alloys, Compounding corrosion resisting forgeable ferrous. F. C. Langenberg. 1,956,646; May 1.
- Alloys, Corrosion resisting. W. H. Keen. 1,962,599; June 12.
- Alloys, Electrodeposition of. A. G. Russell. 1,960,029; May 22.
- Alloys, especially for tools, Production of hard metal. P. Schwarzkopf. 1,959,879; May 22.
- Alloys, Forming. J. O. Betterton. 1,941,534-5; Jan. 2.
- Alloys, Making ferrous. G. J. Comstock. 1,975,310; Oct. 2.
- Alloys, Manufacturing ferro. E. A. Jones. 1,969,886; Aug. 14.
- Alloys of precious metals which are amenable to heat treatment, Manufacture of. L. Nowack. 1,946,231; Feb. 6.
- Alloys, Preparing. P. Berthelemy, H. de Montby, and J. Pourreau. 1,966,480; July 17.
- Alloys, Producing. W. B. Arness. 1,954,555; Apr. 10.
- Alloys, Producing heavy metal beryllium. E. Pokorn and K. Schneider. 1,945,565; Feb. 6.
- Alloys, Refining. A. M. Kuhlmann. 1,982,959; Dec. 4.
- Alloys, Treating. A. Facz. 1,974,971; Sept. 25.
- Alloys, Treating ferrous. C. S. Smith. 1,972,248; Sept. 4.
- Alloys, Treatment of. J. C. Dittmer. 1,976,333; Oct. 9.
- Alloys, Welding rod. J. H. Doss. 1,952,842; Mar. 27.
- All-phase motor. J. A. Ramos and P. P. Scribante. 1,968,852; Aug. 7.
- Alpha-arylamino-anthraquinones. Producing. D. G. Rogers and J. Ogilvie. 1,966,646; July 17.
- Alphabet for forming monograms or the like. M. Chernow. Des. 91,757-64; Mar. 20.
- Alphabet for forming monograms or the like. M. Chernow. Des. 92,389; June 5.
- Alphabet for forming monograms or the like. M. Chernow. Des. 93,970; Dec. 4.
- Alphabet for forming monograms or the like. M. Chernow. Des. 94,020; Dec. 11.
- Alphabet, for forming monograms or the like. O. Dammé. Des. 92,231-4; May 15.
- Alphabet for forming monograms or the like. O. Dammé. Des. 92,525-6; June 19.
- Alphabet for forming monograms or the like. O. Dammé. Des. 92,586-9; June 26.
- Alphabet for forming monograms or the like, Molded glass. M. Chernow. Des. 92,289; May 22.
- Alphabet having mirror faces for forming monograms or the like, Glass. M. Chernow. Des. 92,290; May 22.
- Alphabet, Monogram. O. Dammé. Des. 93,913; Nov. 27.
- methylol-ethyl-butylaldehyde and preparing same. P. Halbig, F. Kaufer, and H. Deger. 1,970,374; Aug. 14.
- Alpha naphthol, Production of. W. J. Cotton. 1,949,243; Feb. 27.
- Altar. W. D. Koran. 1,944,985; Jan. 30.
- Altar, Family. B. Podbielski. Des. 93,572; Oct. 9.
- Alternating current generator. B. D. Bedford. 1,980,899; Nov. 13.
- Alternating current generator. J. K. Leibing. 1,980,808; Nov. 13.
- Alternating current motor. A. H. Johnson. 1,978,581; Oct. 30.
- Alternating current motor, Self starting synchronous single phase. A. H. Neureuther. 1,962,832; June 12.
- Alternating current motor, Synchronous. K. Schmidt and K. Schöler. 1,944,579; Jan. 23.
- Altimeter. V. E. Carbonara. 1,970,544; Aug. 21.
- Altimeter. F. Cordero and A. H. Mears. 1,952,037; Mar. 20.
- Altimeter. P. Kollman. Re91,079; Feb. 13.
- Altimeter. H. M. Riddle. 1,957,730; May 8.
- Altimeter, Echo. C. A. Donaldson. 1,977,875; Oct. 23.
- Altimeter installation. P. S. Edwards and C. D. Barbullesco. 1,942,590; Jan. 9.
- Altitude, Apparatus for measuring. R. Gunn. 1,942,421; Jan. 9.
- Altitude from aircraft, Determining. E. F. W. Alexander-son. 1,969,537; Aug. 7.
- Altitude propeller, Automatic. Z. Soucek. 1,972,669; Sept. 4.
- Alum, Manufacturing basic. G. R. Stuart. 1,964,389; June 26.
- Alumina from alkali metal aluminate solutions, Separating. A. H. Cowles. 1,943,786; Jan. 16.
- Alumina from aluminous silicious materials, Recovering. A. W. Scheidt and R. C. Folger. 1,971,354; Aug. 28.
- Alumina hydrate and valuable sulphates from compounds of alumina, Manufacturing. W. M. Sanders. 1,951,443; Mar. 20.
- Alumina hydrate, Manufacture of. A. Fleischer. 1,957,766; May 8.
- Alumina, Manufacture of. A. Fleischer. 1,957,767-8; May 8.
- Alumina, Manufacture of. A. Fleischer. 1,960,336; May 29.
- Alumina, Manufacturing. W. M. Sanders. 1,948,887-8; Feb. 27.
- Alumina poor in silicic acid from alkaline earth aluminates, Preparation of. J. W. Stöhr. 1,978,823; Oct. 30.
- Aluminium alloy. A. J. Murphy and S. A. E. Wells. 1,960,916; May 29.
- Aluminium article, Riveted plated. G. Schreiber. 1,949,112; Feb. 27.
- Aluminium in high power tanks, Manufacture of. P. J. M. Torchet. 1,958,323; May 8.
- Aluminium silicon alloys, Production of pure. C. von Girsewald. 1,972,432; Sept. 4.
- Aluminothermic preparation of air quenching steel. C. L. Delachaux. 1,954,922; Apr. 17.
- Aluminium acetyl-salicylate and producing same, Tasteless basic. E. Wolf. 1,967,649; July 24.
- Aluminium alloy. A. J. Lyon. 1,965,604; July 10.
- Aluminium alloy. R. Sterner-Rainer. 1,945,297; Jan. 30.
- Aluminium alloy. L. J. Weber. 1,955,991; Apr. 24.
- Aluminium alloy, Malleable. K. L. Meissner. 1,968,344; July 31.
- Aluminium alloys, Preparation of. W. Bonsack. 1,950,967; Mar. 13.
- Aluminium and aluminium alloy, Coated. H. Bengston. 1,946,147; Feb. 6.
- Aluminium and aluminium sulphate, Recovering. J. G. G. Frost. 1,962,498; June 12.
- Aluminium and its alloys, Plating. J. Fischer. 1,968,483; July 31.
- Aluminium base alloys. W. Bonsack. 1,947,121; Feb. 13.
- Aluminium beryllium alloy. R. S. Archer and W. L. Fink. 1,952,048-9; Mar. 27.
- Aluminium chloride from the residue of aluminium chloride oil refining, Apparatus for the recovery of. B. E. Carl and W. S. Austin. 1,955,272; Apr. 17.
- Aluminium, Coating. H. K. Work. 1,965,682-3; July 10.
- Aluminium, Coloring. M. Tosterud. 1,965,269; July 3.
- Aluminium, Coloring. M. Tosterud. 1,971,240; Aug. 21.
- Aluminium from corrosion, Protecting. J. D. Edwards. 1,946,151-3; Feb. 6.
- Aluminium gel, Negatively charged. P. H. Brewer and H. R. Kraybill. 1,942,799; Jan. 9.
- Aluminium hydrate of low water content and producing the same. M. Tosterud. 1,953,201; Apr. 3.
- Aluminium hydrate, Treatment of. W. H. Gitzen. 1,950,883; Mar. 13.
- Aluminium hydroxide and making the same, Colloidal. P. S. Moyer. 1,958,710; May 15.
- Aluminium lake of sulfonated compounds of the anthraquinone series. F. Baumann. 1,982,149; Nov. 27.
- Aluminium, Method of and bath for anodic treatment of. R. W. Buzzard. 1,977,622; Oct. 23.
- Aluminium oxide or the like, Obtaining. S. Hunyady. 1,944,527; Jan. 23.
- Aluminium, Plating. J. Fischer. 1,947,981; Feb. 20.
- Aluminium, Smelting. J. G. G. Frost. 1,980,263; Nov. 13.
- Aluminium sulphate, Manufacture of. W. S. Wilson. 1,945,171; Jan. 30.
- Aluminium sulphite, Production of monobasic. E. Wiedbrauck and K. Büche. 1,971,668; Aug. 28.
- Aluminium, Treatment of. R. Beyer. 1,973,040; Sept. 11.
- Alumite, Treating. H. G. Wildman. 1,971,319; Aug. 21.
- Amalgamating apparatus and process. C. Butters. 1,979,365; Nov. 6.
- Amalgamation. J. C. Ramsey and C. Camblin. 1,953,364; Apr. 3.
- Amalgamator, Centrifugal. W. J. Reilly. 1,951,108; Mar. 13.
- Amides of n-beta-hydroxyalkyl amino carboxylic acids and preparing same. H. Ulrich and K. Saurwein. 1,973,860; Sept. 18.
- Amides, Preparation of. H. E. Martin and R. F. Thompson. 1,963,138; June 19.
- Amine, Aromatic. A. W. Campbell. 1,950,079; Mar. 6.
- Amines and phenols from their aqueous solutions, Recovering. W. L. Semon. 1,942,838; Jan. 9.
- Amines, Preparation of aromatic. W. C. Calvert. 1,948,330; Feb. 20.
- Amines, Preparing hydrogenated. O. Ernst and L. Mack. 1,982,985; Dec. 4.
- Amines, Production of. K. Baur. 1,966,478; July 17.
- Amino-acylamino-anthraquinones, Production of. K. Koberle. 1,966,125; July 10.
- Amino-alkyl-esters of the carboxy-alkoxy-amino-diphenyls. W. G. Christiansen and A. W. Harvey. 1,976,923; Oct. 16.
- Amino-anthraquinone sulpho-chlorides and preparing them. G. Kränzlein, H. Schlichenmaier, and L. Schornig. 1,973,001; Sept. 11.
- Amino-azobenzenes, Manufacture of. M. A. Dahlen. 1,977,266; Oct. 16.

- Amino derivative of carboxy-alkoxy diphenyls. W. G. Christiansen and A. W. Harvey. 1,969,357; Aug. 7.
- Amino-dihydroxy-anthraquinones, Manufacture of. E. C. Buxbaum and H. R. Lee. 1,957,936; May 8.
- Aminophenyls, Producing. C. F. Booth. 1,954,468; Apr. 10.
- Ammeter. K. M. Lederer. 1,951,799; Mar. 20.
- Ammonia and catalyst therefor, Oxidizing. S. L. Handforth. 1,978,198; Oct. 23.
- Ammonia and hydrogen sulphide from gases, Removal of. C. J. Hansen. 1,944,978; Jan. 30.
- Ammonia and hydrogen sulphide from gases, Removal of. C. J. Hansen. 1,979,934; Nov. 6.
- Ammonia compounds, Production of. F. W. Sperr, jr. 1,983,320; Dec. 4.
- Ammonia, Direct syntheses of. F. C. Reed. 1,952,021; Mar. 20.
- Ammonia from ammonia liquor, Producing pure liquid. R. Zaniboni. 1,954,973; Apr. 17.
- Ammonia from cook liquor, Recovery of. R. W. Richardson. 1,943,345; Jan. 16.
- Ammonia from gas by contact with acid phosphate, Recovering. M. Shoeld. 1,980,006; Nov. 6.
- Ammonia from gases, Removing. M. Shoeld. 1,980,007; Nov. 6.
- Ammonia manufacture, Apparatus for. F. Lopez. 1,960,886; May 29.
- Ammonia, Process and apparatus for the production of. D. Pysel. 1,957,849; May 8.
- Ammonia, Purification of by-product. A. O. Jaeger. 1,953,938; Apr. 10.
- Ammoniating, Method of. L. Boor. 1,967,049; July 17.
- Ammonium chloride and calcium sulphate, Making. T. A. Borradaile. 1,957,244; May 1.
- Ammonium phosphates and other salts, Manufacture of. W. Hirschkind and H. Bender. 1,971,563; Aug. 28.
- Ammonium salt of the urea of α -amino-benzoyl-m-aminop-toluy-1-naphthylamine-4,6,8-trisulphonic acid. G. M. Dyson and A. Renshaw. 1,968,820; Aug. 7.
- Ammonium salts, Production of solid. G. Fauser. 1,962,185; June 12.
- Ammonium sulphate and of other fertilizing substances, Simultaneous manufacture of. F. Mitteau. 1,956,926; May 1.
- Ammonium sulphate and sulphur from gases containing ammonia and sulphuretted hydrogen, Recovering. H. Koppers. 1,971,964; Aug. 28.
- Ammonium sulphate, Manufacture of. F. Denig. 1,973,892; Sept. 18.
- Ammonium sulphate, Production of. C. J. Hansen. 1,957,265-7; May 1.
- Ammonium thiocyanate, Manufacture of. N. D. Scott. 1,958,209; May 8.
- Ammonium thiocyanate, Purifying. W. Gluud. 1,970,303; Aug. 14.
- Amplification system. G. L. Beers. 1,973,037; Sept. 11.
- Amplification, System for. L. M. Hull. 1,948,265; Feb. 20.
- Amplification system for glow relay devices. H. C. Rentschler and D. E. Henry. 1,982,829; Dec. 4.
- Amplifier. J. P. Barton. 1,958,881; May 15.
- Amplifier. P. F. G. Holst and R. A. Bierwirth. 1,978,578; Oct. 30.
- Amplifier. H. Rinia. 1,966,221; July 10.
- Amplifier arrangement. R. Veldhuyzen. 1,945,006; Jan. 30.
- Amplifier, Audio-frequency. V. D. Landon. 1,944,746; Jan. 23.
- Amplifier, Balanced. S. D. Lavoie. 1,948,303; Feb. 20.
- Amplifier, Band pass. R. A. Braden. 1,943,416; Jan. 16.
- Amplifier biasing system. B. S. McCutchen. 1,961,937; June 5.
- Amplifier, Compensated. J. G. Aceves. 1,984,450; Dec. 18.
- Amplifier, Continuous current. E. Asch. 1,960,689; May 29.
- Amplifier control. H. A. Affel and E. I. Green. 1,946,607; Feb. 13.
- Amplifier control, Luminous. W. Hasenberg. 1,965,188; July 3.
- Amplifier coupling, Convertible band pass. R. A. Braden. 1,944,120; Jan. 16.
- Amplifier, Distortionless. W. A. Knoop. 1,978,208; Oct. 23.
- Amplifier, Distortionless. E. Oosterhuis and C. H. Morel. 1,962,458; June 12.
- Amplifier, Electric. G. L. Beers. 1,960,723; May 29.
- Amplifier, Electrical. A. Hund. 1,967,008; July 17.
- Amplifier, Electron discharge. I. J. Kaar. 1,959,165; May 15.
- Amplifier, Harmonic neutralizing. T. H. Nakken. 1,949,217; Feb. 27.
- Amplifier hearing-aid device, Microphonic. H. Lieber and E. C. Nicholides. Re19,246; July 17.
- Amplifier, High frequency. L. H. Lynn. 1,983,880; Dec. 4.
- Amplifier, High frequency. W. P. Mason. 1,967,249; July 24.
- Amplifier, Intermediate frequency. K. Posthumus and T. J. Weyers. 1,978,475; Oct. 30.
- Amplifier, Mechanical. A. F. Bennett. 1,952,577; Mar. 27.
- Amplifier, Mixer. H. C. Baumann. 1,946,565; Feb. 13.
- Amplifier, Non-oscillating high-frequency. K. Posthumus and W. D. van Gogh. 1,976,460; Oct. 9.
- Amplifier, Push-pull. E. A. Laport. 1,944,747; Jan. 23.
- Amplifier, Radio phonograph. S. W. Seeley. 1,959,111; May 15.
- Amplifier, Resistance coupled. A. Nyman. 1,943,986; Jan. 16.
- Amplifier system. H. M. Dressel. 1,984,967; Dec. 18.
- Amplifier system. B. F. Miessner. 1,983,802; Dec. 11.
- Amplifier system. W. V. Roberts. 1,968,105; July 31.
- Amplifier system, Push pull. B. F. Miessner. 1,946,092; Feb. 6.
- Amplifier, Thermionic. B. van der Pol, K. Posthumus, and B. D. H. Tellegen. 1,946,047; Feb. 6.
- Amplifier tube. P. R. Dyksterhuis. 1,968,248; July 31.
- Amplifier tube, Gaseous discharge. G. Jobst, F. Michelssen, and W. Wehnert. 1,984,877; Dec. 18.
- Amplifier tubes, Automatic protection of. J. D. Wallace. 1,969,341; Aug. 7.
- Amplifier, Ultra high frequency. W. Runge, H. Muth, and D. Prinz. 1,955,094; Apr. 17.
- Amplifier unit. S. Loewe. 1,965,197; July 3.
- Amplifiers, Eliminating hum in rectified alternating current operated photo-electric cell. F. H. Owens. 1,977,858; Oct. 23.
- Amplifying and reproducing system. B. F. Miessner. 1,958,198; May 8.
- Amplifying apparatus. A. D. Silva. 1,983,047; Dec. 4.
- Amplifying system. G. L. Beers. 1,942,234; Jan. 2.
- Amplifying system. J. H. Hammond, jr. 1,979,034; Oct. 30.
- Amplifying system. E. I. Koch. 1,947,049; Feb. 13.
- Amplifying system. B. F. Miessner and C. T. Jacobs. 1,963,668; June 19.
- Amplifying system. W. V. Roberts. 1,968,104; July 31.
- Amplifying system. A. D. Silva. 1,966,805; July 17.
- Amplifying system, Thermionic. G. A. Mathieu. 1,968,610; July 31.
- Amplifying tube and operating same. L. Thompson. 1,983,714; Dec. 11.
- Ampule. A. E. Smith. Re19,219; June 19.
- Ampule sealing machine. F. C. De Lano. 1,967,766; July 24.
- Ampulla. O. Fjord. 1,956,568; May 1.
- Ampulla, Producing a prepared breaking point in. C. Thomae. 1,951,743; Mar. 20.
- Amusement and exercising device. C. Dahl. 1,974,531; Sept. 25.
- Amusement and training apparatus. H. J. Mallon. 1,945,697; Feb. 6.
- Amusement apparatus. W. F. Blue. 1,955,667; Apr. 17.
- Amusement apparatus. W. F. Gerhardt and C. A. Brock. 1,947,982; Feb. 20.
- Amusement apparatus. E. Mecchi. 1,952,273; Mar. 27.
- Amusement apparatus. H. G. O. Phillips. 1,960,395; May 29.
- Amusement apparatus. C. S. Regenold, sr. 1,948,995; Feb. 27.
- Amusement apparatus. G. W. Schilling. 1,959,040; May 15.
- Amusement device. J. N. Bartlett. 1,959,944; May 22.
- Amusement device. A. Bollak. 1,977,609; Oct. 23.
- Amusement device. F. R. Duesberg. 1,978,993; Oct. 30.
- Amusement device. G. D. Fleak. 1,965,140; July 3.
- Amusement device. A. W. Hahn, jr., and W. F. Purcell. 1,963,944; June 19.
- Amusement device. C. W. Hill. 1,958,892; May 15.
- Amusement device. E. L. Howe. Des. 92,311; May 22.
- Amusement device. H. H. Hunt. 1,965,039; July 3.
- Amusement device. T. M. Jenkins. 1,961,973; June 5.
- Amusement device. M. F. Lathers. 1,947,859; Feb. 20.
- Amusement device. F. L. Markey. 1,982,391; Nov. 27.
- Amusement device. L. B. May. 1,947,608; Feb. 20.
- Amusement device. J. F. Meyer. 1,976,082; Oct. 9.
- Amusement device. C. S. Rose and J. J. Miller. 1,952,822; Mar. 27.
- Amusement device. H. Rouenville. 1,979,844; Nov. 6.
- Amusement device. O. Sandstrom. 1,977,739; Oct. 23.
- Amusement device. F. Schofer. 1,964,534; June 26.
- Amusement device. H. Steinmetz. 1,943,095; Jan. 9.
- Amusement device. E. Stock. 1,965,676; July 10.
- Amusement device. A. W. Swenson. 1,974,199; Sept. 18.
- Amusement device. D. E. Taylor. 1,944,377; Jan. 23.
- Amusement device. A. Walton. 1,970,068; Aug. 14.
- Amusement device. F. H. Yearwood. 1,960,363; May 29.
- Amusement device, Aquatic. F. J. Eiserman. 1,962,184; June 12.
- Amusement device—coin controlled. I. Ray. 1,976,373; Oct. 9.
- Amusement device, Coin freed. W. W. Burton. 1,971,062; Aug. 21.
- Amusement device, Passenger carrying. A. Spillman. 1,947,427; Feb. 13.
- Amusement game accessory. M. Gensburg. 1,972,381; Sept. 4.
- Amusement game cabinet. A. Clemetsen. Des. 92,453; June 12.
- Amusement machine. J. E. Meyer. 1,942,718; Jan. 9.
- Amusement machine. V. Neumann. 1,982,119; Nov. 27.
- Amyl derivative of lead and their preparation. G. Alleman. 1,949,949; Mar. 6.
- Anesthetic and preparing it. K. Streitwolf, A. Fehrle, W. Herrmann, and P. Fritzsche. 1,954,152; Apr. 10.
- Analysis employing photosensitive devices. C. A. Styer. 1,977,359; Oct. 16.
- Analysis of electric currents by thermal effects. T. Theodorsen. 1,981,007; Nov. 20.
- Analytical apparatus for testing asphalts. H. G. Nevitt. 1,967,424; July 24.

- Analyzer, Gas. G. R. Blodgett. 1,942,323; Jan. 2.
Analyzing the structure of matter, Device for. E. Rupp. 1,971,277; Aug. 21.
Anamorphosing objective. H. S. Newcomer. 1,945,950; Feb. 6.
Anatomical adjusting machine. G. S. Gillberg. 1,974,774; Sept. 25.
Anatomical demonstrating device. C. A. Schulz. 1,967,786; July 24.
Anchor. J. Mortensen. 1,983,481; Dec. 4.
Anchor. M. C. Post. 1,982,963; Dec. 4.
Anchor. G. I. Taylor. 1,974,933; Sept. 25.
Anchor and protector, Post. J. H. Gordon. 1,983,850; Dec. 11.
Anchor, Bolt. A. W. Gelpcke. 1,957,533; May 8.
Anchor, Bolt. H. W. Pleister and J. Karitzky. 1,972,715; Sept. 4.
Anchor bolt casing. E. C. Cannon. 1,960,728; May 29.
Anchor, Cable. C. J. Lemont. 1,985,509; Dec. 25.
Anchor chain scrubber. H. A. Winsette. 1,950,959; Mar. 13.
Anchor, Cord. W. E. Shehan. 1,973,933; Sept. 18.
Anchor, Decoy. C. E. Freeman. 1,962,188; June 12.
Anchor, Decoy duck. W. Reichel. 1,967,902; July 24.
Anchor, Earth. J. Blackburn. 1,955,449; Apr. 17.
Anchor, Earth. A. B. Chance. Re19,177; May 22.
Anchor, Earth. A. E. Chance. 1,942,684; Jan. 9.
Anchor, Earth. C. E. Handel. 1,956,763; May 1.
Anchor, Earth. A. A. van Lantschoot. 1,976,529; Oct. 9.
Anchor, Expanding earth. A. van Landschoot. 1,959,012; May 15.
Anchor for brick, tile and the like. W. Cederholm and C. G. Johnson. 1,975,769; Oct. 9.
Anchor for refractory furnace linings. J. H. Royall. 1,941,492; Jan. 2.
Anchor, Ground. J. Blackburn. 1,967,391; July 24.
Anchor, Ground. J. A. Wagner. 1,964,610; June 26.
Anchor, Guy. C. R. Pieper. 1,973,995; Sept. 18.
Anchor, Land. G. Kuhn. 1,960,639; May 29.
Anchor, Lining. J. E. Anderson and C. W. Dunlap. 1,975,759; Oct. 9.
Anchor, Marine. J. McLeland. 1,978,844; Oct. 30.
Anchor plugs, Treating. L. S. Dennis. 1,959,463; May 22.
Anchor, Rail. F. W. Cooper. Re19,163; May 15.
Anchor, Rail. G. L. Moore and J. R. Steele. 1,956,726; May 1.
Anchor, Railway rail. H. G. Norwood. 1,954,710; Apr. 10.
Anchor, Safety. A. F. Michlun. 1,970,178; Aug. 14.
Anchor, Staple. A. W. Ihlenfeldt. 1,973,411; Sept. 11.
Anchor, Tubing. J. D. Nixon and T. S. Park. 1,941,813; Jan. 2.
Anchor, Tufting. H. V. Rau. 1,981,070; Nov. 20.
Anchorage boot for structural columns, Tubular. H. H. Moss. 1,984,753; Dec. 18.
Anchorage device. H. Rosenberg. 1,978,145; Oct. 23.
Anchorage device. H. Rosenberg. 1,980,093; Nov. 6.
Anchoring device. A. B. Bullard. 1,955,902; Apr. 24.
Anchoring device. R. R. Dinklage. 1,978,571; Oct. 30.
Anchoring device. H. H. Horner. 1,984,268; Dec. 11.
Anchoring device for tufting buttons. S. Katt. 1,950,613; Mar. 13.
Anchoring means for terminal wires. C. W. Greene. 1,964,350; June 26.
Anchoring means for well casings. J. M. Hewgley. 1,942,597; Jan. 9.
Anchoring member for sheet pilings. E. Becker. 1,965,169; July 3.
Anchoring post. J. O. Samson. 1,955,389; Apr. 17.
Anchors from aircraft, Device for throwing. E. E. Oehmichen. 1,957,285; May 1.
Andiron. A. G. Lovejoy. Des. 92,665-6; July 3.
Anethol from pine oil, Separating. I. W. Humphrey. 1,977,064; Oct. 16.
Angle determining instrument. P. H. Macneil. 1,944,897; Jan. 30.
Angle tangent to radius dresser. J. J. Osplack. 1,961,242; June 5.
Angular movements, Indicating. R. Chappell and R. J. Streb. 1,985,148; Dec. 18.
Anhydride and maleic acid, Preparing maleic. F. Zumbstein. 1,956,482; Apr. 24.
Anhydride, Manufacture of acetic. H. Hepworth and F. D. Leicester. 1,983,541; Dec. 11.
Anhydride, Preparing acetic. A. Dierichs and L. Weiss. 1,982,153-4; Nov. 27.
Anhydride, Process and apparatus for production of sulphuric. M. S. Maxim. 1,974,829; Sept. 25.
Anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,952,844; Mar. 27.
Anhydrides, Manufacture of aliphatic. H. Dreyfus. 1,964,040-1; June 26.
Anhydrides of halogen fatty acids, Preparing. P. Heisel. 1,967,668; July 24.
Aniline black, Preparing ungreennable. A. Holtmann and M. Freiberger. 1,955,235; Apr. 17.
Animal and vegetable matter, Gasifying of. S. S. Skinner. 1,978,768; Oct. 30.
Animal exerciser. J. J. Van Kleek. 1,956,937; May 1.
Animal feeder, Automatic controlled. C. McEvoy. 1,961,008; May 29.
Animal feeder, Automatic time-controlled. C. McEvoy. 1,966,017; July 10.
Animal fibers against the effects of alkaline or acid mediums, Production of. T. Wallis, O. Falek, and P. Virek. 1,904,934; July 3.
Animal fibers and product therefrom, Printing. J. G. Kundert. 1,962,601; June 12.
Animal figure. I. L. Park. Des. 92,624; June 26.
Animal figure or similar article. W. E. Disney. Des. 91,988-91; Apr. 17.
Animal, fish, and vegetable matter, Preparation in dry powdered form of. H. L. Tival. 1,979,124; Oct. 30.
Animal holding box. O. S. Dworetzky. 1,956,499; Apr. 24.
Animal restraining device. J. A. Trease. 1,964,653; June 26.
Animal-slaughtering apparatus. W. G. Graham. 1,980,679; Nov. 13.
Animal trap. T. Booth. 1,948,199; Feb. 20.
Animal trap. O. Elfstrom. 1,974,020; Sept. 18.
Animal trap. J. W. Fay. 1,974,706; Sept. 25.
Animal trap. S. H. Fuller. 1,978,995; Oct. 30.
Animal trap. H. R. Graybill, M. B. Cook, and H. W. McCreary. 1,979,223; Oct. 30.
Animal trap. W. P. Howland. 1,982,870; Dec. 4.
Animal trap. A. E. Kinsley. 1,972,347; Sept. 4.
Animal trap. J. U. Lehn and H. Drach. 1,958,856; May 15.
Animal trap. R. C. Ludeke. 1,975,048; Sept. 25.
Animal trap. J. W. Mace. 1,948,586; Feb. 27.
Animal trap. H. W. McCreary. 1,956,358; Apr. 24.
Animal trap. P. L. Miller. 1,982,393; Nov. 27.
Animal trap. F. Nord. 1,974,289; Sept. 18.
Animal trap. W. F. Peek. 1,970,976; Aug. 21.
Animal trap. J. and E. Pitre. 1,960,122; May 22.
Animal trap. J. E. Ruby. 1,967,629; July 24.
Animal trap. J. H. Schocke. 1,967,179; July 17.
Animals, Apparatus for castrating. L. Daroux. 1,957,159; May 1.
Animals, Apparatus for training. R. L. Motley. 1,973,927; Sept. 18.
Animals by electricity, Apparatus for killing. K. A. Weber. 1,949,985; Mar. 6.
Animated advertising sign. E. von der Lippe-Lipski. 1,966,634; July 17.
Annealing and pickling plant. A. Fritz. 1,981,411; Nov. 20.
Annealing and zinc coating ferrous articles. W. H. Potter. 1,942,121; Jan. 2.
Annealing box and making same. P. E. Hunter and L. E. Endsley. 1,961,221; June 5.
Annealing furnace. A. Maring. 1,979,697; Nov. 6.
Annealing furnace. L. Wilson. 1,952,402; Mar. 27.
Announcement board. T. A. Keen. Des. 91,666; Mar. 6.
Annular objects, Manufacture of. F. B. Bell. 1,965,446; July 3.
Annular valve. A. Hoerbiger and R. Köhler. 1,948,375; Feb. 20.
Annuli, Casting metallic. N. F. S. Russell and F. C. Langenberg. 1,982,762; Dec. 4.
Annulus and manufacturing the same, Cast iron. F. C. Langenberg and H. G. Reddick. 1,953,180; Apr. 3.
Annunciator. A. D. Rollins. 1,973,727; Sept. 18.
Anode. A. Henderson. 1,973,345; Sept. 11.
Anode, Dual. O. V. Stewart and E. Urban. Re19,328; Sept. 25.
Anode for electrolytic condensers. F. D. Sprague and R. U. Clark. 1,958,682; May 15.
Anode for electroplating. H. Le Laurin and A. L. Fry. 1,964,736; July 3.
Anode grid structure. S. Widmer. 1,943,250; Jan. 9.
Anode supply system. S. Tarzian. 1,972,279; Sept. 4.
Ant trap. M. Behan and W. P. Lutfy. 1,959,808; May 22.
Ant trap. S. J. Thalheimer. 1,960,464; May 29.
Antenna. O. Böhm and W. Moser. 1,964,190; June 26.
Antenna. R. Cameron. 1,952,623; Mar. 27.
Antenna. P. S. Carter. 1,967,395; July 24.
Antenna. P. S. Carter. 1,974,387; Sept. 18.
Antenna. C. S. Franklin and E. Green. 1,957,949; May 8.
Antenna. H. H. Hill. 1,944,891; Jan. 30.
Antenna. E. L. Meredith. 1,962,202; June 12.
Antenna. E. B. Newill. 1,952,724; Mar. 27.
Antenna. L. M. Perkins. 1,943,394; Jan. 16.
Antenna and power supply switch. C. E. Kilgour. 1,985,506; Dec. 25.
Antenna arrangement. A. Gothe. 1,965,184; July 3.
Antenna arrangement, Directional. A. Gothe. 1,964,570; June 26.
Antenna circuit. H. H. Timian. 1,973,301; Sept. 11.
Antenna compensator. C. L. Davis. 1,945,735; Feb. 6.
Antenna counterpoise system. H. T. Friis. 1,947,256; Feb. 13.
Antenna, Directive. N. Koomans. 1,964,189; June 26.
Antenna eliminator. A. Tamol. 1,970,986; Aug. 21.
Antenna for use with an automobile radio-receiver. P. L. Mann. 1,971,803; Aug. 21.
Antenna, Power. R. M. Heintz and P. F. Scofield. 1,960,630; May 29.
Antenna system. E. B. Ferrell. 1,966,491; July 17.
Antenna system. E. Gellini. 1,981,024; Nov. 20.
Antenna system. G. B. Hagen. 1,960,006; May 22.
Antenna system. G. von Arco. 1,950,708; Mar. 13.
Antennae, Arrangement for reducing sag in. A. Melssner. 1,969,380; Aug. 7.
Anthracene derivative. S. Gassner and W. Meiser. 1,960,375; May 29.

- Anthraquinone-acridone compound and its production, Highly halogenated. I. Gubelmann and R. J. Goodrich. 1,972,093; Sept. 4.
- Anthraquinone-acridone derivatives and preparing the same. I. Gubelmann and W. Dettwyler. 1,969,216; Aug. 7.
- Anthraquinone and its derivatives, Sulphonating. D. G. Rogers. 1,963,383; June 19.
- Anthraquinone body and preparing the same. E. T. Howell. 1,957,459; May 8.
- Anthraquinone compound. I. Gubelmann, H. J. Weiland and H. B. Gottlieb. 1,970,909; Aug. 21.
- Anthraquinone compound and preparing the same. M. A. Perkins. 1,973,773; Sept. 18.
- Anthraquinone derivative. K. Weinand. 1,981,295; Nov. 20.
- Anthraquinone derivatives. H. Hauser and M. Bommer. 1,974,866; Sept. 25.
- Anthraquinone derivatives. B. Stein. 1,957,084; May 1.
- Anthraquinone derivatives and preparing the same. A. J. Wuertz. 1,950,348; Mar. 6.
- Anthraquinone derivatives, Manufacture and use of new. G. H. Ellis, H. C. Olpin, and E. W. Kirk. 1,969,735; Aug. 14.
- Anthraquinone derivatives, Production of. P. Nawlasky, A. Krause, and B. Stein. 1,948,183; Feb. 20.
- Anthraquinone derivatives, Production of. P. Nawlasky, B. Stein, and A. Krause. 1,943,876; Jan. 16.
- Anthraquinone-1-aldehydes and making same. O. Bayer. 1,970,643; Aug. 21.
- Anthraquinone selenazoles and preparing same. M. A. Perkins and O. M. Bishop. 1,983,562; Dec. 11.
- Antropometer. C. Hueschle. 1,946,075; Feb. 6.
- Antibacking attachment for motor vehicles. J. L. Adams. 1,983,726; Dec. 11.
- Anti-backlash device. J. B. Sinderson. 1,950,419; Mar. 13.
- Antiburglar lock. W. C. Elliott. 1,974,769; Sept. 25.
- Anticarburetorizing compound. W. G. Wittman. 1,982,718; Dec. 4.
- Anticlogging attachment for grain augers. O. D. Stewart. 1,980,108; Nov. 6.
- Anticreeping device for railway rails. G. L. Colbie. 1,948,561; Feb. 27.
- Anticreeping device for weather or buffer strips. R. T. Axe. 1,974,638; Sept. 25.
- Antidazzle device for use with head lamps. P. Rossi. 1,975,174; Oct. 2.
- Antidazzle fitting for head lamps. S. E. Talbot. 1,950,071; Mar. 6.
- Antidazzle lamp. C. F. O. Müller. 1,953,004; Mar. 27.
- Antidetonating means. E. Rector. 1,975,619; Oct. 2.
- Antidrip and antispash device for shower bath doors. E. H. Zechiel. 1,971,802; Aug. 28.
- Antifading device. R. Villem and R. Aubert. 1,974,903; Sept. 25.
- Antifogging device for glass-walled refrigeration chambers. C. E. Long. 1,956,102; Apr. 24.
- Antifreeze noncorrosive solution. J. F. T. Berliner. 1,956,266; Apr. 24.
- Antifreeze solution. F. A. Howard. 1,955,296; Apr. 17.
- Antifreezing agent. E. Elbel. 1,977,545; Oct. 16.
- Antifreezing device. L. M. Beall. 1,971,026; Aug. 21.
- Antifriction bearing. P. Brühl. 1,953,550; Apr. 3.
- Antifriction bearing. T. V. Buckwalter. 1,961,134; June 5.
- Antifriction bearing. H. C. Ford. 1,948,105; Feb. 20.
- Antifriction bearing. H. R. Gibbons and O. W. Young. 1,970,449; Aug. 14.
- Antifriction bearing. J. M. Gwinn, jr. 1,973,064; Sept. 11.
- Antifriction bearing. K. L. Herrmann. 1,951,481; Mar. 20.
- Antifriction bearing. K. L. Herrmann. 1,956,289; Apr. 24.
- Antifriction bearing. K. L. Herrmann. 1,963,407; June 19.
- Antifriction bearing. K. L. Herrmann. 1,970,699; Aug. 21.
- Anti-friction bearing. L. Langhaar. 1,948,860; Feb. 27.
- Antifriction bearing. R. G. Maciver. 1,953,001; Mar. 27.
- Antifriction bearing. V. W. Peterson. 1,973,994; Sept. 18.
- Antifriction bearing. K. Tessky. 1,965,729; July 10.
- Antifriction bearing. O. Wilson. 1,982,893-4; Dec. 4.
- Antifriction bearing. O. Wulferth. 1,958,378; May 8.
- Antifriction device. J. F. Bleser. 1,973,555; Sept. 11.
- Antifriction tool. R. W. Canfield. 1,967,020; July 17.
- Antifrictional bearing. C. M. Townsend. 1,970,439; Aug. 14.
- Antiglare attachment for headlight bulbs. J. A. Roy. 1,976,965; Oct. 16.
- Antiglare attachment for lamp bulbs. W. R. Reed. 1,954,145; Apr. 10.
- Antiglare device. J. H. Crosby. 1,958,962; May 15.
- Antiglare device. G. H. Schaffner. 1,944,468; Jan. 23.
- Antiglare device for automobiles. H. M. Flanary. 1,969,887; Aug. 14.
- Antiglare device for motor vehicle headlights. C. Schlarred. 1,947,804; Feb. 20.
- Antihalation layer. W. Schneider. 1,971,430; Aug. 28.
- Antijimmy lock. M. Sheinman. 1,958,251; May 8.
- Antiknock composition. A. Pacyna. 1,973,320; Sept. 11.
- Antiknock compound for internal combustion engines and making same. R. Cross. 1,958,744; May 15.
- Antiknock compounds, Producing. G. Egloff and R. E. Schaad. 1,973,474; Sept. 11.
- Antimony compounds, Manufacture of pentavalent. A. L. Henne. 1,984,480; Dec. 18.
- Antimony derivative of sulpharsphenamine. W. G. Christiansen and A. E. Jurist. 1,954,615; Apr. 10.
- Antioxidants. J. K. Hunt and G. H. Latham. 1,948,582; Feb. 27.
- Antirachitic product and making same. R. F. Light and C. N. Frey. 1,955,554; Apr. 17.
- Antirattle device. I. Andrews. 1,948,640; Feb. 27.
- Antirattler, Window. R. J. Bell. 1,970,879; Aug. 21.
- Antirattling device for window sashes. W. H. Hopp. 1,954,735; Apr. 10.
- Antiricketic substances, Production of. A. J. Pacini. 1,983,944; Dec. 11.
- Antiroil back and freewheeling device, Combinaton. R. A. Morse. 1,965,709; July 10.
- Antiroost device. M. H. Keating. 1,983,613; Dec. 11.
- Antiscorch appliance for cooking utensils. W. H. De Camp. 1,949,561; Mar. 6.
- Antiseptic and germicide. E. C. Britton. 1,942,801; Jan. 9.
- Antishrinking device. F. W. Frey. 1,947,388; Feb. 13.
- Antiskid and jack mechanism for automobiles, Combination. C. F. Clausen. 1,982,792; Dec. 4.
- Antiskid attachment for shoes. H. D. Driscoll. 1,961,555; June 5.
- Antiskid chain. J. G. Farkas. 1,965,887; July 10.
- Antiskid chain. B. H. Messersmith. 1,984,226; Dec. 11.
- Antiskid device. M. C. Dodge. 1,963,939; June 19.
- Antiskid device. H. B. Gillette. 1,980,265; Nov. 13.
- Antiskid device. H. G. Metcalf and K. H. Bowen. 1,968,952; Aug. 7.
- Antiskid device. C. L. Reed. 1,979,772; Nov. 6.
- Antiskid device. F. Ruffertshofer. 1,952,944; Mar. 27.
- Antiskid device. E. G. S. Wagner. 1,971,286; Aug. 21.
- Antiskid device, Emergency. F. E. Stahl. 1,976,900; Oct. 16.
- Antiskid device for car wheels. A. Garcia. 1,941,857; Jan. 2.
- Antiskid device for motor vehicles. F. Hanel. 1,954,409; Apr. 10.
- Antiskidding device. M. R. Simon and L. Levy. 1,949,922; Mar. 6.
- Antiskidding media to the tires of motor vehicles, Device for applying. W. Josky. 1,959,240; May 15.
- Antislaging arrangement. W. H. Armacost. 1,983,333; Dec. 4.
- Antislip device. O. L. Keely. 1,978,711; Oct. 30.
- Antislip product and making the same. A. W. Charbonneau. 1,985,203; Dec. 18.
- Antistall mechanism for automobile engines. J. P. Gerahy. 1,952,667; Mar. 27.
- Antitarnishing material for silverware and other metals and producing the same. A. E. Thurber and R. H. Sholtz. 1,946,508; Feb. 13.
- Antivibration observation station. J. W. French. 1,961,875; June 5.
- Anti-vibration support. H. F. Hoevel. 1,951,020; Mar. 13.
- Anvil for stapling machines. F. Polzer and R. E. Peterson. 1,967,064; July 17.
- Aperture plate for motion picture projection machines. A. Dina. 1,981,033; Nov. 20.
- Apertures in sheet metal articles including chronometer indicators, Forming collared. F. R. Smith. 1,979,288; Nov. 6.
- Apertures, Sealing. E. C. Furman and E. F. Heard. 1,971,649; Aug. 28.
- Apparatus adapted for lighting the ground and for aircraft signals. M. C. M. Exelmans. 1,977,673; Oct. 23.
- Apparatus adapted to maintain the tail of an animal and the like. J. L. L. J. Peney. 1,959,497; May 22.
- Apparatus for and method of forming internal threads by stamping dies. K. Berger. 1,942,353; Jan. 2.
- Apparatus for applying powdered asphalt to mineral wool to form a binder. O. F. Mottweiler. 1,968,851; Aug. 7.
- Apparatus for automatically feeding bulbs. P. Herre and E. Mickley. 1,969,511; Aug. 7.
- Apparatus for blowing wells. G. A. Humason. 1,969,174; Aug. 7.
- Apparatus for capping containers. B. G. Campbell, C. C. Wing, and G. Heath. 1,969,450; Aug. 7.
- Apparatus for coating objects with a liquid. B. Nier. 1,961,301; June 5.
- Apparatus for coating surfaces. H. G. Conkling. 1,968,992; Aug. 7.
- Apparatus for connecting together individual articles. K. Kammer. 1,977,946; Oct. 23.
- Apparatus for consuming finely divided fuel. W. B. Chapman. 1,969,501; Aug. 7.
- Apparatus for controlling a variable. J. L. Hodgson, G. P. E. Howard, and A. Ivanoff. 1,953,406; Apr. 3.
- Apparatus for controlling the thickness of strip material. H. A. Winne. 1,969,536; Aug. 7.
- Apparatus for conveying loose material. C. Peters and G. Domina. 1,970,021; Aug. 14.
- Apparatus for cutting metal. C. M. Yoder. 1,968,865; Aug. 7.
- Apparatus for detecting excessive deviation of drill holes. J. J. Jakosky. 1,963,090; June 19.
- Apparatus for detecting in and eliminating from matter foreign substances of high magnetic permeability. W. L. Miller. 1,973,414; Sept. 11.
- Apparatus for developing. J. Breton. 1,973,306; Sept. 11.

- Apparatus for drying insulated wire. G. R. Avery and H. Kress. 1,969,666; Aug. 7.
- Apparatus for dust separation. C. F. Hirschfeld. 1,958,577; May 15.
- Apparatus for filling lubricant cavities in wheels and method thereof. H. M. Dodge. 1,969,167; Aug. 7.
- Apparatus for freezing materials and storing and dispensing frozen products. M. H. Ackerman. 1,968,812; Aug. 7.
- Apparatus for fusing and spraying substances. C. Boyden. 1,968,815; Aug. 7.
- Apparatus for handling and dispensing materials. E. A. Pyle. 1,961,984; June 5.
- Apparatus for lining can ends. F. C. B. Page. 1,968,904; Aug. 7.
- Apparatus for mechanically determining the algebraic sum of angles of rotation and of angular speeds of shafts and for transmitting such sums to other apparatus. K. Petschenig. 1,943,229; Jan. 9.
- Apparatus for medical purposes. A. De Borosini. 1,958,100; May 8.
- Apparatus for moving motion picture film. E. C. Fritts. 1,969,458; Aug. 7.
- Apparatus for musical reproduction. A. E. Zoppa. 1,969,680; Aug. 7.
- Apparatus for paralleling synchronous machines to maintain reciprocating engines or pumps in synchronism. W. Wilson and A. G. Emms. 1,942,789; Jan. 9.
- Apparatus for plating articles. J. N. Kelly. 1,970,458; Aug. 14.
- Apparatus for playing a race or sports game. H. T. Brooker. 1,958,563; May 15.
- Apparatus for preparation of sewage for pumping. W. C. Munroe and E. B. Morse. 1,946,754; Feb. 13.
- Apparatus for quick freezing of articles. A. McKenzie. 1,969,418; Aug. 7.
- Apparatus for removing coating from wires or strips. F. J. Malloy. 1,969,517; Aug. 7.
- Apparatus for securing zero capacity-temperature coefficient. W. M. Bailey. 1,943,713; Jan. 16.
- Apparatus for semifluid and fluid evacuation. T. F. Callahan. 1,973,560; Sept. 11.
- Apparatus for separating metals from ores. W. D. Briscoe. 1,960,726; May 29.
- Apparatus for separating sheets of paper from other materials while traveling in the same direction. B. J. and B. F. Hall. 1,968,941; Aug. 7.
- Apparatus for separation of suspended material from gases. K. I. Marshall. 1,970,048; Aug. 14.
- Apparatus for slow deposition of liquid. T. F. Callahan. 1,970,688; Aug. 21.
- Apparatus for storing and dispensing products. M. H. Ackerman. 1,968,813; Aug. 7.
- Apparatus for supporting annular articles. W. B. Freeman. 1,969,068; Aug. 7.
- Apparatus for testing the fastness to light of dyes, inks, and other color materials. R. O. Hall. 1,969,606; Aug. 7.
- Apparatus for testing the hardness of grinding disks. H. Lindner. 1,944,353; Jan. 23.
- Apparatus for the clarification of sewage liquid. W. C. Laughlin and A. B. Asch. 1,969,022; Aug. 7.
- Apparatus for the directional transmission and reception of wave energy. H. Hecht. 1,969,005; Aug. 7.
- Apparatus for treating well fluids. H. H. Fitzpatrick. 1,970,295; Aug. 14.
- Apparatus for use in determination of grain sizes in granular materials. M. Vogel-Jorgensen. 1,969,081; Aug. 7.
- Apparatus for use in teaching piano-playing. R. W. Ross. 1,969,185; Aug. 7.
- Apparatus for winding coils. E. Snyder. 1,969,530; Aug. 7.
- Apparatus to be used in the distilling of liquids such as water. R. E. Skow, V. Ballou, and H. L. McLaughlin. 1,964,708; June 26.
- Apparatus with circuits oscillating under multiple wave lengths. G. Lakhovsky. 1,962,565; June 12.
- Apparel. B. Liebowitz. 1,968,409-10; July 31.
- Apparel and making same. Wearing. F. Grasso. 1,944,507; Jan. 23.
- Apparel and producing the same. Wearing. H. W. O'Neill. 1,956,727; May 1.
- Apparel, Article of. A. Rosen. 1,964,961; July 3.
- Apparel, Method of and material for manufacturing. M. R. Turner. 1,957,682; May 8.
- Apparel or the like and apparatus for carrying out said method, Cleaning, drying, and aerating wearing. E. J. Perry. 1,956,589; May 1.
- Apparel protector. J. D. Bowen. 1,981,775; Nov. 20.
- Appendixes for monometallic balances. Manufacturing bimetallic. P. Dittisheim. 1,982,726; Dec. 4.
- Apple. H. I. Shotwell. Pl. Pt. 90; Apr. 3.
- Appliance for facial treatment. H. P. Mahmoudian. 1,970,013; Aug. 14.
- Appliance for treatment by sun rays. O. Krell, jr. 1,974,820; Sept. 25.
- Appliance for use in the waving of hair. G. Blair. 1,959,997; May 22.
- Applicator. F. Riebel, jr., and D. M. Dow. 1,941,759; Jan. 2.
- Applicator, Cleaning. P. P. Runnels. 1,949,976; Mar. 6.
- Applicator employing vapor passed through a beam of radiant energy. Therapeutic. F. R. Hart and S. W. Lasher. 1,945,856; Feb. 6.
- Applicator, Foam. T. H. Warnock. 1,955,265; Apr. 17.
- Applicator for elastic rings, etc. W. I. Bettis. 1,965,876; July 10.
- Applicator for polishing compounds and lubricants. W. H. Chandler. 1,970,545; Aug. 21.
- Applicator for printing ribbons, Fluid. A. D. Isham. 1,976,229; Oct. 9.
- Applicator for surfacing material. F. Riebel, jr., D. M. Dow, and L. M. Henson. 1,969,476; Aug. 7.
- Applicator, Hair waving. F. Forives. 1,945,936; Feb. 6.
- Applicator package. L. A. Von Till. 1,947,667; Feb. 20.
- Appliqué process. L. D. Hokerk. 1,948,620; Feb. 27.
- Applying and removing tool. J. W. Wood. 1,949,343; Feb. 27.
- Applying fastener. S. S. Randall. 1,948,187; Feb. 20.
- Approach plate for bowling alleys. A. E. James. 1,961,765; June 5.
- Apron. A. Quinn. Des. 91,841; Mar. 27.
- Apron and toilet case, Combined. M. Harris. 1,979,879; Nov. 6.
- Apron, Combination. M. Repitsky. 1,967,369; July 24.
- Apron construction. H. Wagenfeld. 1,951,380; Mar. 20.
- Apron, Conveying. J. A. Noonan. 1,974,120; Sept. 18.
- Apron, Draper. E. K. Twombly. 1,951,041; Mar. 13.
- Apron mechanism for self-feeders, Folding. B. and A. Dion. 1,978,014; Oct. 23.
- Apron, taper. C. D. McCarthy and R. G. Drew. 1,963,666; June 19.
- Aquarium. S. H. Byram. 1,956,524; Apr. 24.
- Aquarium. W. E. McCormick. Des. 92,416; June 5.
- Aquarium. H. L. Miller. Des. 93,033; Aug. 14.
- Aquarium. O. M. Shannon. Des. 92,776; July 10.
- Aquarium. A. P. Swanson. Des. 93,365; Sept. 18.
- Aquarium. A. P. Swanson. Des. 94,058; Dec. 11.
- Aquarium. N. Taslitt. 1,965,323; July 8.
- Aquarium, Illuminated wall. I. Greensaft. 1,974,068; Sept. 18.
- Aquariums. Apparatus for aerating. M. Arneth. 1,945,962; Feb. 6.
- Aquatic accessory. A. Lazar. 1,961,670; June 5.
- Aqueous dispersions. J. M. Fain. 1,980,192; Nov. 13.
- Aqueous dispersions, Manufacture of. L. Kirschbraun. 1,969,308; Aug. 7.
- Aqueous dispersions, Method and apparatus for homogenizing. A. Szegvari. 1,953,118; May 8.
- Aqueous solutions of anaesthetic substances. Stable. M. Bockmühl and W. Ludwig. 1,973,794; Sept. 18.
- Aqueous solutions of chlorine. Device for making. G. Ornstein. 1,962,571; June 12.
- Aqueous solutions of lower aliphatic acids, Concentrating. H. Dreyfus. 1,952,845; Mar. 27.
- Aqueous treatment of artificial silk. A. J. Hall. 1,978,792; Oct. 30.
- Arbor, Ring holding. T. E. McFall and C. H. Warren. 1,944,255; Jan. 23.
- Arbor support. B. P. Graves and A. F. Bennett. 1,959,952; May 22.
- Arbor support, Adjustable. F. Treloar. 1,968,863; Aug. 7.
- Arc discharge apparatus. A. Glaser and W. Köch. 1,985,087; Dec. 18.
- Arc lamp. I. F. Hummon, jr. 1,974,537; Sept. 25.
- Arc lamp. O. A. Kerner. 1,972,939; Sept. 11.
- Arc lamp. H. E. Kip. 1,949,687; Mar. 6.
- Arc lamp. E. O. Lightner. 1,948,669; Feb. 27.
- Arc quencher. T. A. Sperry. 1,971,586; Aug. 28.
- Arc rectifier. M. Schenkel. 1,973,110; Sept. 11.
- Arc rectifier with controlling members. J. von Issendorff. 1,971,838; Aug. 28.
- Arc-starting device for vapor discharge devices. K. E. Müller. 1,983,391; Dec. 4.
- Arc suppressor with magnetic feature. J. G. Jackson. 1,955,961; Apr. 24.
- Arc welding. J. T. Catlett. 1,942,047; Jan. 2.
- Arc welding. J. A. Seede. 1,953,780; Apr. 3.
- Arc-welding machine. R. K. Hopkins. 1,965,079; July 3.
- Arcing frequency changing system. S. Widmer. 1,980,461; Nov. 13.
- Arcing guide for insulators. A. O. Austin. 1,972,613; Sept. 4.
- Arch and ankle support. E. Frei. 1,974,045; Sept. 18.
- Arch and forepart reenforcement for shoes, Combination. L. F. Sawmiller. 1,952,687; Mar. 27.
- Arch construction. H. A. F. Abbott. 1,963,060; June 19.
- Arch construction. B. Bauer. 1,973,742; Sept. 18.
- Arch lift. M. G. Waksmundzka. Re19,203; June 5.
- Arch support. R. T. Benning. 1,947,000; Feb. 13.
- Arch support. B. A. Chiappetta. 1,957,695; May 8.
- Arch support. T. J. Devine. 1,952,538; Mar. 27.
- Arch support. E. Frei. 1,981,998; Nov. 27.
- Arch support. E. E. Fuller. 1,982,911; Dec. 4.
- Arch support. G. W. Geilcar. 1,948,347; Feb. 20.
- Arch support. J. C. Howell. 1,945,688; Feb. 6.
- Arch support. F. A. Melchionna. 1,959,034; May 15.
- Arch support. A. A. Page. 1,971,378; Aug. 28.
- Arch support. M. S. Silver. 1,952,613; Mar. 27.
- Arch support. L. G. Weiler. 1,976,819; Oct. 16.
- Arch support and exerciser. R. J. Ringle. 1,962,527; June 12.
- Arch support for footwear, Adjustable. J. Lelyveld. 1,981,920; Nov. 27.
- Arch support for shoes. B. H. Crompton. 1,953,048; Mar. 27.
- Arch supporter, Pneumatic. O. D. Clark. 1,976,656; Oct. 9.

- Arch supporting plate. E. Matthias. 1,983,630; Dec. 11.
- Argillaceous material, Method and apparatus for burning of. F. W. Butterworth and I. R. Cline. 1,960,572; May 29.
- Argillaceous material, Treating. R. Stauffer and K. Konopicky. 1,956,139; Apr. 24.
- Arm clamp and elevating control, Head mounted. D. C. Klausmeyer and A. M. Sosa. 1,945,047; Jan. 30.
- Arm for automobiles, Side. J. J. Blum. 1,960,135; May 22.
- Arm, Recoil operated small. A. L. Chevallier. 1,946,388; Feb. 6.
- Armrest. W. Josselyn. 1,962,508; June 12.
- Armrest, Driver's. S. H. Perky. 1,970,816; Aug. 21.
- Arm-rest in vehicles for the driver. O. Zwierzina. 1,984,855; Dec. 18.
- Arm signal panel. J. W. Mooney. 1,973,219; Sept. 11.
- Armature assembling machine. A. W. Phelps and L. G. Malone. 1,964,441; June 26.
- Armature assembly machine. J. F. Cullin. 1,979,454; Nov. 6.
- Armature construction for dynamo-electric machines. H. Grob. 1,943,432; Jan. 16.
- Armature construction, Stationary. R. M. Heintz. 1,958,753; May 15.
- Armature core insulating machine. A. W. Phelps. 1,948,006; Feb. 20.
- Armature, Oil-impregnated. L. P. Kongsted. 1,950,986; Mar. 13.
- Armature-quotient measuring instrument, Rotating. W. Geyger. 1,948,912; Feb. 27.
- Armature winding machine, Automatic. H. H. Eaton. 1,969,734; Aug. 14.
- Armchair and bed device, Combined. H. Lamar and F. de P. Moreno. 1,984,311; Dec. 11.
- Armor, Curbing. M. P. Klick. 1,961,227; June 5.
- Aromatic amines from aqueous solution, Removing primary. W. L. Semon. 1,968,913; Aug. 7.
- Aromatic amines, Manufacturing secondary. W. L. Semon. 1,980,102; Nov. 6.
- Aromatic amines, Sulphonation of. M. F. S. Choate, S. Coffey, and C. R. Henshaw. 1,961,196; June 5.
- Aromatic compounds, Inhibiting discoloration of. R. P. Perkins, A. J. Dietzler, and E. C. Burdick. 1,973,724; Sept. 18.
- Aroylene-bis-acetic acid-arylates. F. Henle and H. Kracker. 1,971,409; Aug. 28.
- Arrows, Device for feathering. C. F. Birchall. 1,945,416; Jan. 30.
- Arsenate of lead, Making. O. F. Hedenburg. 1,984,305; Dec. 11.
- Arsenate of zinc and the product, Manufacturing. O. F. Hedenburg. 1,981,044; Nov. 20.
- Arsenic compound capable of being injected without causing any irritation, Preparing an organic. K. Streitzwolf, A. Febrle, and J. Hallensleben. 1,964,863; July 3.
- Arsenic or antimony seleno compounds, Organic. M. S. Kharasch. 1,959,958; May 22.
- Arsenic, Recovery of. W. Schopper. 1,952,290; Mar. 27.
- Arseno-stidic compounds and manufacture thereof. H. W. Schmidt. 1,984,765; Dec. 18.
- Art composition, Pictorial. C. E. Lawrence. 1,942,339; Jan. 2.
- Art stitcher. F. X. Doubler. 1,960,100; May 22.
- Art stitcher, Manually operated. F. X. Doubler. 1,976,709; Oct. 16.
- Arteriomonometer. G. B. Emerson. 1,982,505; Nov. 27.
- Article and casting the same. E. G. Fahlman. 1,962,490-1; June 12.
- Article, Apparatus for severing a moving. K. W. Hallden. 1,982,383; Nov. 27.
- Article attaching. J. Vollman. 1,958,873; May 15.
- Article attaching machine. J. Vollman. 1,956,431; Apr. 24.
- Article carrier. F. B. Miller. 1,971,322; Aug. 21.
- Article-collecting device. W. D. Kimball and J. H. Mosley. 1,980,411; Nov. 13.
- Article comprising organic esters of cellulose. G. Schneider. 1,963,251; June 19.
- Article container. F. R. Kinkenon. 1,960,635; May 29.
- Article conveying apparatus. C. A. Purdy. 1,977,696; Oct. 23.
- Article dispenser. J. J. Friel. 1,951,239; Mar. 13.
- Article display device. L. Ebert. 1,968,880; Aug. 7.
- Article feeder for packing machines. A. A. Stone. 1,980,641; Nov. 13.
- Article feeding and positioning machine. P. Meyer. 1,944,860; Jan. 23.
- Article feeding mechanism. H. P. Tyehsen. 1,975,238; Oct. 2.
- Article handling apparatus. P. Schmidt. 1,975,125; Oct. 2.
- Article handling device. H. N. Bliss. 1,961,191; June 5.
- Article handling device. O. F. Presbrey. 1,943,742; Jan. 16.
- Article holder. C. E. Berg. 1,976,430; Oct. 9.
- Article holder. J. Merbell. 1,968,462; July 31.
- Article holder. K. D. Stewart. 1,958,772; May 15.
- Article holder or service trays and stands. J. D. Ingram. 1,969,220; Aug. 7.
- Article of aluminum and producing the same, Nonseizing. S. G. Maiby. 1,978,112; Oct. 23.
- Article of bonded granular material and making the same. W. L. Howe and R. H. Martin. 1,983,082; Dec. 4.
- Article of commerce and its production. S. M. Phelps. 1,978,691; Oct. 30.
- Article of furniture. H. O. Carroll. 1,951,594; Mar. 20.
- Article of furniture. F. C. Ross. 1,951,314; Mar. 13.
- Article of furniture, Combination. A. Ceslowitz. 1,984,207; Dec. 11.
- Article of luggage. J. H. Plotkin. 1,967,160; July 17.
- Article of manufacture. G. C. Brown. 1,960,137; May 22.
- Article of manufacture. W. R. Collings and D. L. Gibb. 1,942,354; Jan. 2.
- Article of manufacture. M. Ryan. 1,979,053; Oct. 30.
- Article of manufacture. W. F. Schmalz. 1,981,334; Nov. 20.
- Article of manufacture. W. H. Sommer and C. F. Bailey. 1,965,993; July 10.
- Article of manufacture. N. C. Ward. 1,984,854; Dec. 18.
- Article of manufacture and coating absorbent base materials. G. E. Pelton. 1,957,611; May 8.
- Article of manufacture and preparing the same. E. H. Hyde. 1,965,703; July 10.
- Article of manufacture for reenforcing. C. F. Bailey. 1,972,638-9; Sept. 4.
- Articles of manufacture, Molding or die-casting predetermined. L. H. Morin and D. Marinsky. 1,983,558; Dec. 11.
- Article of manufacture, Nitrided. J. V. Emmons. 1,982,421-2; Nov. 27.
- Article of rubber and making it. E. W. Madge. 1,980,813; Nov. 13.
- Article of shellac bonded abrasive material, Making an. D. E. Webster. 1,965,016; July 3.
- Article packing apparatus. Y. A. Ahnger. 1,952,042; Mar. 27.
- Article rack. T. E. Haven. 1,951,408; Mar. 20.
- Article retainer. A. J. Whittle. 1,957,377; May 1.
- Article separating and grading apparatus. N. H. Norris. 1,942,117; Jan. 2.
- Article sorting machine. D. M. McBean. 1,980,815; Nov. 13.
- Article subject to abrasion. G. Masing and O. Dahl. 1,975,115; Oct. 2.
- Article support. W. X. Bruns. 1,963,434; June 19.
- Article supporting bracket. G. L. Laseter. 1,961,054; May 29.
- Article surfaces, Decorating. F. J. Strassner and S. A. Whitmore. 1,953,784; Apr. 3.
- Article working apparatus. J. S. Stull. 1,943,097; Jan. 9.
- Articles, Apparatus for drying or conditioning. C. J. Smith. 1,980,860; Nov. 13.
- Articles, Apparatus for forming. T. M. Hiester. 1,968,296; July 31.
- Articles, Apparatus for forming and wrapping. R. T. Ecklund. 1,958,189; May 8.
- Articles, Apparatus for making inflated. C. S. McChesney. 1,976,740; Oct. 16.
- Articles, Apparatus for separating. C. D. Knowlton. 1,943,444; Jan. 16.
- Articles, Apparatus for separating. C. D. Knowlton. 1,964,823; July 3.
- Articles, Apparatus for the sale and purchase of. H. E. Wolfe. 1,967,046; July 17.
- Articles, Coating. R. K. Lee. 1,967,031; July 17.
- Articles, Composite porous and micro-porous. E. A. Hauser. 1,982,385; Nov. 27.
- Articles containing inserts, Molded. F. Groff. 1,977,876; Oct. 23.
- Articles, Decorating. A. H. Stewart. 1,958,595; May 15.
- Articles, Dispensing and positioning. M. Schnaler. 1,953,507; Apr. 3.
- Articles, Dyeing. G. Lowenstein. 1,982,820; Dec. 4.
- Articles, Feeding and positioning. M. Schnaler. 1,953,506; Apr. 3.
- Articles, Forming. C. H. Smith. 1,969,912; Aug. 14.
- Articles, Forming. W. G. Stoner. 1,982,404; Nov. 27.
- Articles from a continuously moving conveyor band to another conveyor band, Device for transferring. J. Neff. 1,984,981; Dec. 18.
- Articles from cellulose derivatives of the higher fatty acids. M. Hagedorn and E. Gühring. 1,984,477; Dec. 18.
- Articles from fiber, Method of and apparatus for molding. P. L. Bunn. 1,967,704; July 24.
- Articles from flexible material, Method and apparatus for making skived or bevel-edged. M. E. Davis. 1,984,919; Dec. 18.
- Articles from latex, Making. H. L. Trumbull. 1,978,848; Oct. 30.
- Articles from paper pulp, Apparatus for molding. H. Z. Landon. 1,970,608; Aug. 21.
- Articles from plastic composition materials, Apparatus for manufacturing. J. P. Burke. 1,959,612; May 22.
- Articles from plastics, Producing. D. F. Twiss and E. A. Murphy. 1,951,378; Mar. 20.
- Articles from synthetic resin compounds, Manufacture of. E. Möhring. 1,960,120; May 22.
- Articles having a polygonal cross section, Making. R. L. Wilcox. 1,971,548; Aug. 28.
- Articles having a polygonal cross section, Making. R. L. Wilcox. 1,977,162; Oct. 16.
- Articles having a polygonal cross section, Making. R. L. Wilcox. 1,977,164; Oct. 16.
- Articles, Holding. J. R. Wald. 1,942,228; Jan. 2.
- Articles into desired lengths, Device for severing continuously moving. A. Rafter. 1,944,718; Jan. 23.

- Articles, Manufacturing mottled molded. D. E. Northrup. 1,976,363; Oct. 9.
- Articles, Method and apparatus for coating. L. R. Yeager. 1,950,096; Mar. 6.
- Articles, Method and apparatus for forming and welding. J. L. Adams, jr. 1,981,894; Nov. 27.
- Articles, Method of and apparatus for electro-chemically producing. H. G. Wehe. 1,964,399; July 3.
- Articles, Method of and device for wrapping. H. S. Rubens. 1,964,083; June 26.
- Articles of cellular rubber and ebonite with closed cells, Manufacture of. M. P. H. L. Raepsaet. 1,948,046; Feb. 20.
- Articles of celluloid and the like, Treating. S. A. Neidich. 1,969,273; Aug. 7.
- Articles of plastic material, Producing variegated. R. E. Walker. 1,972,503; Sept. 4.
- Articles of rubber material, Forming. F. D. Fowler. 1,974,209; Sept. 18.
- Articles or packages into groups of various weights, Device for sorting. R. G. Warren. 1,942,267; Jan. 2.
- Articles, Packaging. L. A. Becker. 1,953,097; Apr. 3.
- Articles, Process of and apparatus for molding. J. McEwan. 1,948,989; Feb. 27.
- Articles with chromium, Electroplating. O. Bornhauser. 1,985,308; Dec. 25.
- Articles with pyroxylin or the like, Coating. W. C. Hampton. 1,946,208; Feb. 6.
- Articles with sheet material, Method and apparatus for covering. J. N. Whitehouse. 1,980,022; Nov. 6.
- Articles with zinc, Coating ferrous. U. C. Tainton. 1,972,835; Sept. 4.
- Articles, Wrapping and labeling small. O. Lauenstein. 1,976,287; Oct. 9.
- Artificial arm. A. A. George. 1,973,805; Sept. 18.
- Artificial fabric. G. L. Schwartz. 1,945,537-8; Feb. 6.
- Artificial filaments. T. H. Byron. 1,969,689; Aug. 7.
- Artificial knee joint. H. H. Wenneborg. 1,966,574; July 17.
- Artificial mass. C. Schönburg. 1,982,765; Dec. 4.
- Artificial mass. G. Schultze. 1,980,959; Nov. 13.
- Artificial mass and its manufacture. K. Ripper. 1,952,941; Mar. 27.
- Artificial masses and making the same. H. Hönel. 1,968,080; July 31.
- Artificial masses from polymerized vinyl alcohols and aliphatic aldehydes and products obtainable thereby, Production of. H. Hopff and E. Kuehn. 1,955,068; Apr. 17.
- Artificial silk, Process and apparatus for spinning. H. A. Schrenk. 1,968,912; Aug. 7.
- Artificial stone floor and making it. E. J. Milburn. 1,968,784; July 31.
- Artificial turf and making same. C. C. Curtis. 1,968,809; Aug. 7.
- Artificial wood boards and manufacturing same. A. Antoni. 1,969,291; Aug. 7.
- Artillery wheel. W. H. Farr and C. L. Eksergian. Des. 91,457; Feb. 6.
- Artillery wheel. P. W. Gaenssle and T. A. Davenport. Des. 91,458; Feb. 6.
- Arylacetylcannabinols and preparing them, Optically active. M. Bockmühl, L. Stein, and G. Ehrhart. 1,962,476; June 12.
- Arylamides, Fluorinated. E. F. Hitch, M. A. Dahlen, and M. E. Friedrich. 1,982,661; Dec. 4.
- Arylamine and its production. M. A. Dahlen and R. E. Etzelmiller. 1,985,601; Dec. 25.
- Arylamino-1-hydroxy-naphthalene-2-carboxylic acids. L. Laska and O. Haller. 1,943,872; Jan. 16.
- Arylides, Manufacture of aromatic. R. F. Goldstein. 1,955,802; Apr. 24.
- Aryl mercapto compounds, Production of. K. W. Palmer. 1,968,905-6; Aug. 7.
- Aryl phosphates and product thereof, Making. W. Scott. 1,958,210; May 8.
- Asbestos article and forming the same. H. Gillett. 1,956,793; May 1.
- Asbestos board, Making. I. J. Novak. 1,971,162; Aug. 21.
- Asbestos product and method of making, Rubber-bonded. G. R. Tucker. 1,956,053; Apr. 24.
- Asbestos sheet and producing same, Waterproof. I. J. Novak. 1,967,062; July 17.
- Asbestos siding in imitation of brick, Making. J. Magrath. 1,959,960; May 22.
- Ash can cover. V. A. Morhous. 1,984,228; Dec. 11.
- Ash disposal system. J. S. Bennett. 1,958,561; May 15.
- Ash handling device. W. G. Uhler, jr. 1,967,637; July 24.
- Ash pit protector. J. Andrasik and J. Skulavik. 1,985,224; Dec. 25.
- Ash receiver. D. F. Larkin. 1,941,844; Jan. 2.
- Ash receiver. B. F. Taylor. 1,975,412; Oct. 2.
- Ash receiver. W. van Nessen. Des. 93,954; Nov. 27.
- Ash receiver and extinguisher. A. C. Gaynor. 1,977,437; Oct. 16.
- Ash receiver for smoking sets. J. E. Thebaud. 1,971,022; Aug. 21.
- Ash receiver for tables. R. V. Collins. 1,963,651; June 19.
- Ash receiver, Removable. R. F. De Boer. 1,960,868; May 29.
- Ash receptacle. F. Rees. Des. 92,679; July 3.
- Ash remover. R. Hitchcock. 1,971,716; Aug. 28.
- Ash remover. M. Ostrowski. 1,962,521; June 12.
- Ash tray and glass holder attachment for tables and other supports. O. G. Nilson. 1,967,898; July 24.
- Ashtray holder. M. H. Hewlett. Des. 91,660; Mar. 6.
- Asparagus cutting machine. W. R. Johnson. 1,950,729; Mar. 13.
- Asphalt, Dispersing. A. E. Schutte. 1,950,272; Mar. 6.
- Asphalt emulsion. J. W. Sparks. 1,956,779; May 1.
- Asphalt expansion joint. G. H. Alvey. 1,965,403; July 3.
- Asphalt, Extraction of. A. B. and G. H. Alvey, and E. A. Young. 1,952,647; Mar. 27.
- Asphalt from blown petroleum residuums. C. P. McNeill. 1,942,656; Jan. 9.
- Asphalt, Making. E. B. McConnell. 1,982,920; Dec. 4.
- Asphalt, Manufacture of granular. H. P. Pearson and L. J. Burrows. 1,951,769; Mar. 20.
- Asphalt, Method and apparatus for treating. R. A. Curran. 1,951,790; Mar. 20.
- Asphalt mixer, Portable. R. B. Clark and J. Morrow. 1,965,881; July 10.
- Asphalt paving mixtures, Production of. A. S. Hirzel. 1,954,997; Apr. 17.
- Asphalt prepared building material and making same. J. L. Wetlaufer. 1,972,810; Sept. 4.
- Asphalt, Producing. R. E. Haylett. 1,948,296; Feb. 20.
- Asphalt, Producing. E. B. McConnell. 1,950,900; Mar. 13.
- Asphalt spreader. J. H. Trant, jr. 1,978,773; Oct. 30.
- Asphaltic coating composition and materials coated therewith. A. N. Farrett. 1,982,231; Nov. 27.
- Asphaltic coating compositions and materials coated therewith. A. M. Alvarado and A. N. Farrett. 1,955,355; Apr. 17.
- Asphaltic products, Manufacture of. J. C. Black and W. D. Rial. 1,953,333; Apr. 3.
- Asphaltic products, Manufacture of. E. W. Gard and B. G. Aldridge. 1,953,345; Apr. 3.
- Asphaltic products, Process and apparatus for manufacture of. E. W. Gard and B. G. Aldridge. 1,953,346; Apr. 3.
- Aspirator or liquid atomizer. A. J. Turnbull. 1,974,350; Sept. 18.
- Assembling device. E. S. Timmons. 1,942,459; Jan. 9.
- Assembling die. A. Drucker, J. Gluckman, and I. Guralnik. 1,975,139; Oct. 2.
- Assembling machine. F. W. Doyle. 1,944,683; Jan. 23.
- Assembling machine. J. Q. Holmes and W. H. Roberts. 1,964,434; June 26.
- Assembling machine. N. H. Knowlton. 1,982,744; Dec. 4.
- Assembling machine. R. M. Sanders. 1,982,454; Nov. 27.
- Assembling means. H. A. Douglas. 1,946,967; Feb. 13.
- Assembling means for typographical machines. H. R. Freund. 1,985,857; Dec. 25.
- Assembly tool. T. W. Costello. 1,948,203; Feb. 20.
- Assist grip. C. P. Schlegel. 1,978,961; Oct. 30.
- Assorting apparatus. H. H. Raymond. 1,961,892; June 5.
- Assorting device. A. F. Hanney. 1,972,558; Sept. 4.
- Astragal or the like, Adjustable. H. B. Wuebling. 1,948,017; Feb. 20.
- Astrological machine. E. L. Crabb. 1,956,059; Apr. 24.
- Astronomical instrument. A. E. Lobeck. 1,968,461; July 31.
- Asynchronous motor, Compensated. C. D. Salda. 1,959,462; May 22.
- Athletic protector. F. M. Record. 1,972,275; Sept. 4.
- Atmospheric conditions in inclosures, Ventilating and providing desired. L. L. Lewis. 1,977,315; Oct. 16.
- Atomizer. P. B. Brown. Des. 91,419; Jan. 30.
- Atomizer. P. B. Brown. Des. 94,113; Dec. 25.
- Atomizer. P. B. Brown. Des. 93,647; Oct. 23.
- Atomizer. F. Custer and P. B. Brown. 1,979,455; Nov. 6.
- Atomizer. R. E. Gest. Des. 92,842-3; July 24.
- Atomizer. R. Mueller. 1,947,353; Feb. 13.
- Atomizer. F. A. Vuilleminot. Des. 91,695; Mar. 6.
- Atomizer. F. A. Vuilleminot. Des. 93,857; Nov. 13.
- Atomizer. F. A. Vuilleminot. Des. 94,175; Dec. 25.
- Atomizer construction. L. V. Aronson. 1,972,469; Sept. 4.
- Atomizer, Electrically heated. J. Robinson. 1,944,108; Jan. 16.
- Atomizer, Liquid. P. B. Brown. Des. 93,447; Oct. 2.
- Atomizer, Liquid fluid. A. H. Rufe. 1,972,537; Sept. 4.
- Atomizer, Perfume. P. B. Brown. Des. 93,446; Oct. 2.
- Atomizer, Vaginal. R. O. Preston. 1,965,560; July 3.
- Atomizers, Nasal guard for. F. A. Bailey. 1,968,366; July 31.
- Atomizing cap. K. Loesch. Des. 94,036; Dec. 11.
- Attachable toothbrush protector. V. E. Robison. 1,968,709; July 31.
- Attaching clip. B. E. Balduf. 1,981,217; Nov. 20.
- Attaching clip, Drop forged. A. Bardello. 1,962,888; June 12.
- Attaching means. H. A. Douglas. 1,978,935; Oct. 30.
- Attaching means for conveyer pans. H. W. Davis. 1,960,411; May 29.
- Attaching means for ornamental devices. A. S. Donaldson and R. M. Slipp. 1,950,231; Mar. 6.
- Attaching members, Making. G. Johnson. 1,978,088; Oct. 23.
- Attachment device for wrist watch straps and the like. S. H. Parvin. 1,978,029; Oct. 23.
- Attachment fitting. C. E. Lear. 1,947,995; Feb. 20.
- Attachment for combustible gas conduits. R. J. Anschicks. 1,960,043; May 22.
- Attachment for electric lamps. F. Coleman. 1,960,049; May 22.
- Attachment for frameless plows, High-lift. M. E. Larsen. 1,979,750; Nov. 6.

- Attachment for operating gate valves by means of fluid pressure from any desired distance. C. Hall, jr. 1,977,554; Oct. 16.
- Attachment for photographic print treating apparatus. G. C. Beidler. 1,962,050; June 5.
- Attachment for postage meter machines. W. H. Wheeler, jr., J. W. Ogden, and F. J. Ronan. 1,958,355; May 8.
- Attachment for pressure retaining valves. S. L. Joiner. 1,957,344; May 1.
- Attachment for radiator valves. S. D. Rose. 1,977,835; Oct. 23.
- Attachment for scale platforms. W. N. Gilbert. 1,969,365; Aug. 7.
- Attachment for smoking pipes, Flexible. S. Kanter. 1,957,169; May 1.
- Attachment for tables, Stool holding. O. A. Christianson and F. A. Naramore. 1,973,866; Sept. 18.
- Attachment plug. S. F. French. 1,984,181; Dec. 11.
- Attachment plug. J. E. Randel. 1,976,515; Oct. 9.
- Attachment plug. H. A. Witcher. 1,966,156; July 10.
- Attachment plug receptacle. G. S. Elliott. 1,957,582; May 8.
- Attachment-plug receptacle. A. C. Gaynor. Re19,316; Sept. 18.
- Attachment plug receptacle. F. E. Johnson. 1,983,511; Dec. 4.
- Attachment plug receptacle. A. H. Nero. 1,977,487; Oct. 16.
- Attenuator for rotary kilns and the like. J. S. Fasting. 1,942,140; Jan. 2.
- Audible signal. A. F. Gillet. 1,964,284; June 26.
- Audience seat. J. H. Adamson. 1,974,035; Sept. 18.
- Audio frequency distribution system. A. F. Van Dyck. 1,968,546; July 31.
- Andion construction. F. L. Hunter, jr. 1,941,687; Jan. 2.
- Auditorium. J. E. Varin. 1,948,892; Feb. 27.
- Auditorium. J. E. Varin. 1,958,324; May 8.
- Auditorium, Motion picture. H. H. Dreyfus. 1,957,947; May 8.
- Auditoriums and the like, Method of and system for ventilating and conditioning. W. H. Carrier. 1,981,164; Nov. 20.
- Auditory insert. M. B. A. Schier. 1,953,437; Apr. 3.
- Auger bit construction. G. C. Knapp. 1,966,176; July 10.
- Auger machine. R. H. McElroy and A. G. Langenkamp. 1,964,266; June 26.
- Auramine coloring matters, Production of. G. W. Talbert. 1,962,368; June 12.
- Auriferous materials, Cyaniding. C. W. Dowsett and W. E. John. 1,952,976; Mar. 27.
- Auto, Electrically driven child's. M. A. Dambrine. 1,951,505; Mar. 20.
- Auto lift. J. D. Cochran. 1,953,670; Apr. 3.
- Auto penthouse. J. W. Jackson. 1,984,681; Dec. 18.
- Auto fire sign, Electric glass. L. H. Coble. Des. 93,815; Nov. 13.
- Auto trailer coach. E. P. Golden. Des. 92,956; Aug. 7.
- Autoclave. T. W. Barber. 1,945,766; Feb. 6.
- Autoclaves or steam pressure sterilizers, Method of and apparatus for heating. H. Bidwell. 1,960,890; May 29.
- Autoelectronic triode device. J. E. Lilienfeld. 1,979,275; Nov. 6.
- Autographic register. L. Barker. 1,959,943; May 22.
- Autographic register. L. Jensen. 1,953,411; Apr. 3.
- Autographic register. L. Jensen. 1,970,313; Aug. 14.
- Autographic register. C. J. Manuel. 1,957,017; May 1.
- Autographic register. B. A. Schroeder. 1,966,142; July 10.
- Autographic register. W. J. Wiswall. 1,955,782; Apr. 24.
- Autographic register and cash drawer, Combined. R. D. Budlong. Des. 92,699; July 10.
- Automatic by-pass valve. D. Firth. 1,947,040; Feb. 13.
- Automatic choker valve. D. Firth. 1,966,201; July 10.
- Automatic closing fire valve. G. W. Schultz. 1,981,200; Nov. 20.
- Automatic clutch. G. L. Ferguson and C. G. Wood. 1,967,749; July 24.
- Automatic clutch. W. A. Hamilton. 1,984,131; Dec. 11.
- Automatic clutch. C. B. Heinrich. 1,979,880; Nov. 6.
- Automatic clutch. K. E. Lyman. 1,969,698; Aug. 7.
- Automatic clutch. H. Nutt. 1,959,036; May 15.
- Automatic danger signal. J. W. Wells. 1,953,546; Apr. 3.
- Automatic device for stopping air leakage around valves. R. L. Clifton. 1,983,538; Dec. 11.
- Automatic device for tappet valve adjustments. H. H. Engemann and H. H. Burdick. 1,972,477; Sept. 4.
- Automatic die. E. T. Bysshe and R. R. Finn. 1,953,529; Apr. 3.
- Automatic drain valve. I. J. McGuire. 1,971,459; Aug. 28.
- Automatic electric regulator. S. D. Mitereff. 1,955,680; Apr. 17.
- Automatic electric switch. W. Wurdack. 1,964,018; June 26.
- Automatic fare box. O. Miller. 1,941,707; Jan. 2.
- Automatic feeder. E. Bush. 1,957,318; May 1.
- Automatic flow regulator. P. Katz. 1,967,577; July 24.
- Automatic fuel regulator. C. L. Stokes. Re19,401; Dec. 18.
- Automatic furnace. F. X. and E. J. Lauterbur. 1,970,383; Aug. 14.
- Automatic gate. W. W. Kincaid. 1,944,349; Jan. 23.
- Automatic generator regulator. H. S. de Malaussene. 1,952,791; Mar. 27.
- Automatic installation switch. A. Horst. 1,967,122; July 17.
- Automatic lubricator. H. Ernst and A. H. Dall. 1,961,514; June 5.
- Automatic machine. W. W. Oslund. 1,977,893; Oct. 23.
- Automatic machine for feeding keys and stacking them. W. F. Butler. 1,959,342; May 22.
- Automatic machine for inserting cigars or the like in containers. L. A. Becker. 1,977,713; Oct. 23.
- Automatic machine for processing thermionic tubes and the like. H. W. Parker and J. R. Eakins. 1,981,149; Nov. 20.
- Automatic machine for setting-up and sealing glueless containers (folding boxes). G. Ancira. 1,970,794; Aug. 21.
- Automatic parking brake. H. C. Webb. 1,958,356; May 8.
- Automatic power press. K. M. Boblett and A. G. Vogt. 1,945,992; Feb. 6.
- Automatic pump. R. S. Whittington. 1,941,453; Jan. 2.
- Automatic quotation board. C. Smith. 1,967,331; July 24.
- Automatic ring plate valve. J. H. H. Vose. 1,958,219; May 8.
- Automatic road signal. H. C. Williams. 1,979,922; Nov. 6.
- Automatic rope lock. W. T. Kline. 1,956,903; May 1.
- Automatic tool. W. L. Libby. 1,963,023; June 12.
- Automatic tube machine. F. J. Stokes. 1,977,413; Oct. 16.
- Automatic vacuum regulator. J. H. Lienau and J. J. Neuman. 1,941,479; Jan. 2.
- Automatic valve. C. L. Bastian. 1,961,732; June 5.
- Automatic valve. P. Belyavin. 1,968,805; Aug. 7.
- Automatic voltage regulator. R. A. Braden. 1,954,784; Apr. 17.
- Automatic water gate. J. C. Stevens. 1,983,951; Dec. 11.
- Automatic window lock. E. T. Goodrich. Re19,405; Dec. 25.
- Automobile. F. B. Bergholt. Des. 91,799; Mar. 27.
- Automobile. R. E. Billings. Des. 93,811; Nov. 13.
- Automobile. G. M. Buehrig. Des. 93,451; Oct. 2.
- Automobile. O. Ernst. Re19,311; Sept. 11.
- Automobile. O. M. Gross. Des. 91,711; Mar. 13.
- Automobile. E. Hall. Des. 92,903; July 31.
- Automobile. J. E. Kepperley, jr. Des. 92,848; July 24.
- Automobile. P. M. Lewis. Des. 93,118; Aug. 21.
- Automobile. J. C. Northup. Des. 93,995; Dec. 4.
- Automobile. G. G. O'Neill. 1,957,169; May 8.
- Automobile. C. S. Prince. Des. 92,019; Apr. 17.
- Automobile. M. A. Roblee. 1,980,550; Nov. 13.
- Automobile. T. O. Theobald. Des. 93,952; Nov. 27.
- Automobile accessory. P. W. Judah. 1,951,871; Mar. 20.
- Automobile accessory. P. W. Lefland. 1,970,609; Aug. 21.
- Automobile and truck towing mechanism. G. Sanfilippo. 1,975,435; Oct. 2.
- Automobile appliance. S. Milone. 1,942,115; Jan. 2.
- Automobile arm and rod connection. E. K. Baker. 1,963,112; June 19.
- Automobile body. W. Barclay. Re19,078; Feb. 13.
- Automobile body. J. A. A. de Vizcaya, deceased, late of Chaville, France, by Henri L. L. Johanet, Versailles, France, administrator. 1,961,205; June 5.
- Automobile body. A. H. Kibiger. Des. 92,404; June 5.
- Automobile body. L. Larson and E. Johnstone. 1,983,983; Dec. 11.
- Automobile body. J. Ledwinka. Des. 92,147; May 1.
- Automobile body. A. E. Northup. Des. Re19,052; Jan. 16.
- Automobile body. A. E. Northup. Des. 91,410; Jan. 23.
- Automobile body and fender jack. E. E. Clark. 1,971,975; Aug. 28.
- Automobile body construction. E. P. Hartry. 1,944,429; Jan. 23.
- Automobile body, Demountable. B. F. Fitch. 1,957,450; May 8.
- Automobile body heater. J. M. Aufiero. Des. 92,832; July 24.
- Automobile body heater. J. M. Aufiero. Des. 93,262; Sept. 11.
- Automobile body lock. C. W. Cook. 1,945,257; Jan. 30.
- Automobile brake. L. L. Lustick. 1,967,151; July 17.
- Automobile brake. J. H. Sampson. 1,966,138; July 10.
- Automobile brake. G. L. Smith. 1,969,161; Aug. 7.
- Automobile brake. C. L. Walker. 1,968,185; July 31.
- Automobile chassis frame and making same. J. H. Crowe. 1,945,505; Jan. 30.
- Automobile closed body construction. H. J. Woodall and M. S. Randall. 1,963,392; June 19.
- Automobile construction. W. Barber. 1,962,118; June 12.
- Automobile construction. H. Ford. 1,975,836; Oct. 9.
- Automobile construction, Heavy duty. H. D. Church. 1,960,140; May 22.
- Automobile-control mechanism. A. Y. Dodge. 1,950,976; Mar. 13.
- Automobile crank—nonkicking. M. P. Howe. 1,950,797; Mar. 13.
- Automobile direction signal. P. Heckendorf. 1,961,492; June 5.
- Automobile, Easy parking. F. D. Ammen. 1,974,036; Sept. 18.
- Automobile fastening device. M. J. Hanlon. 1,973,624; Sept. 11.
- Automobile frame. J. W. Greig. 1,954,078; Apr. 10.
- Automobile frame. D. W. Sherman. 1,959,113; May 15.
- Automobile frame. D. W. Sherman. 1,965,561; July 3.
- Automobile front end construction. J. Tjaarda. 1,953,574; Apr. 3.

- Automobile gear shift lever knob. C. C. Puckett. Des. 94,048; Dec. 11.
- Automobile guide light. H. Lund. 1,966,764; July 17.
- Automobile headlight. T. Delehanty. 1,968,931; Aug. 7.
- Automobile headlighting system. R. N. Falge and C. E. Godley. 1,954,806; Apr. 17.
- Automobile heater. H. G. Bolkom. 1,978,892; Oct. 30.
- Automobile heater. M. J. Marty and R. H. Hause. Des. 93,939; Nov. 27.
- Automobile heater. J. J. Sunday. 1,970,824; Aug. 21.
- Automobile heater. S. Vernet. 1,981,011; Nov. 20.
- Automobile heating system. H. E. Bucklen. 1,966,882; July 17.
- Automobile hoist. W. T. Walker. 1,958,026; May 8.
- Automobile hood and radiator shell, Combined. J. Tjaarda. Des. 93,694; Oct. 23.
- Automobile hood lock. C. Willard. 1,949,850; Mar. 6.
- Automobile indicator. H. V. Smith and H. McKinley. 1,965,477; July 3.
- Automobile jack. K. S. Clapp. 1,942,276; Jan. 2.
- Automobile jack. M. Dwork. 1,941,854; Jan. 2.
- Automobile jack. J. Kranzhoft. 1,952,015; Mar. 20.
- Automobile jack. J. L. Neidlinger and E. Grandmason. 1,953,687; Apr. 3.
- Automobile jack. N. A. Nicholson. 1,946,984; Feb. 13.
- Automobile jack. O. Dowe. 1,981,165; Nov. 20.
- Automobile jack combination. H. A. Cote. 1,975,388; Oct. 2.
- Automobile lift and parking apparatus. W. C. and A. H. Mortensen. 1,977,833; Oct. 23.
- Automobile lift jack. C. J. Bristol. 1,948,367; Feb. 20.
- Automobile light. A. W. Kandetzki. Des. 92,965; Aug. 7.
- Automobile loading block. O. P. M. Goss. 1,971,402; Aug. 28.
- Automobile lock. W. Hemingway, jr. 1,972,300; Sept. 4.
- Automobile lock. E. L. Kulick. 1,974,495; Sept. 25.
- Automobile lock. H. D. Mulloy and F. Cassen. 1,985,190; Dec. 18.
- Automobile lock for gear shift levers. J. Bulanda. 1,969,350; Aug. 7.
- Automobile locking device. J. G. Auferin. 1,948,196; Feb. 20.
- Automobile locking device. B. R. Rodriguez. 1,961,305; June 5.
- Automobile locking mechanism. T. F. Cullinan. 1,947,036; Feb. 13.
- Automobile mechanism. E. A. Barnett. 1,979,523; Nov. 6.
- Automobile mud guard. P. Wondra. 1,965,756; July 10.
- Automobile or similar article. H. J. Earl. Des. 93,764; Nov. 6.
- Automobile parking device. M. H. Hollingsworth. 1,947,598; Feb. 20.
- Automobile pit. T. Martin. 1,949,394; Feb. 27.
- Automobile pit. T. Martin. 1,983,984; Dec. 11.
- Automobile running board. H. D. Geyer and R. J. Waterbury. 1,952,065; Mar. 27.
- Automobile seat. R. A. Borah. 1,964,424; June 26.
- Automobile seat. D. H. Lee. 1,958,481; May 15.
- Automobile seat cover. H. A. Sallop. 1,951,631; Mar. 20.
- Automobile seat cover. H. A. Sallop. 1,962,215; June 12.
- Automobile seat ventilator. E. Hamblin, jr. 1,968,762; July 31.
- Automobile-servicing lift. P. J. Lunati. 1,985,510; Dec. 25.
- Automobile shipping car. C. L. Snyder. 1,969,434; Aug. 7.
- Automobile sign, Illuminated. C. E. Fackiner. 1,960,668; May 29.
- Automobile signal. B. A. Branch and F. J. Fella. 1,967,463; July 24.
- Automobile signal. O. V. Edgerton. 1,970,080; Aug. 14.
- Automobile signal. W. T. Garrett, jr. Des. 91,775; Mar. 20.
- Automobile signal. P. J. McManaman. 1,943,833; Jan. 16.
- Automobile signal. C. J. Miller. 1,970,332; Aug. 14.
- Automobile signal. W. Quast. 1,960,921; May 29.
- Automobile signal. W. W. Riedel. 1,960,957; May 29.
- Automobile signal device. L. C. Gall. 1,953,107; Apr. 3.
- Automobile signal light. A. Lawrence. 1,982,256; Nov. 27.
- Automobile signal switch. M. Bellec and T. E. Stadig. 1,956,056; Apr. 24.
- Automobile signaling device. C. Bergmann. 1,959,330; May 22.
- Automobile signaling device. C. T. Petkoff. 1,962,786; June 12.
- Automobile spring seat. K. W. Mayhew and M. E. Holloway. 1,952,880; Mar. 27.
- Automobile steering connection. R. R. Searles. 1,957,002; May 1.
- Automobile storage apparatus. C. F. Sheflin. 1,965,161; July 3.
- Automobile storage device. E. M. Wheelock. 1,977,785; Oct. 23.
- Automobile top and its construction. W. J. Bossemeyer. 1,979,858; Nov. 6.
- Automobile top coverings, Securing. R. J. O'Dell. 1,971,723; Aug. 28.
- Automobile top, Folding. G. W. Shrike and W. C. Berry. 1,978,694; Oct. 30.
- Automobile top, Opening. T. V. D'Ornellas. 1,969,595; Aug. 7.
- Automobile traffic indicator. W. M. Leshko. 1,959,481; May 22.
- Automobile transmission. R. R. Greninger. 1,963,660; June 19.
- Automobile trim material and its manufacture. A. J. Smith. 1,952,468; Mar. 27.
- Automobile trim panel. A. J. Smith. 1,963,632; June 19.
- Automobile turning indicator. B. F. Donner. 1,968,749; July 31.
- Automobile ventilator. C. C. Singer. 1,950,329; Mar. 6.
- Automobile wheel. D. Barreres. 1,980,314; Nov. 13.
- Automobile wheel. F. M. Miller. 1,966,824; July 17.
- Automobile wheel. R. B. Miller. 1,985,681; Dec. 25.
- Automobiles and other road vehicles, Lifting or jacking-up. T. E. C. Lintern. 1,947,346; Feb. 13.
- Automobiles, Apparatus for lifting and supporting. H. C. Kettelson. 1,963,022; June 12.
- Automobiles, Apparatus for ventilating and cooling. A. L. Lewis. 1,956,509; Apr. 24.
- Automobiles, Transportation of. F. M. Reid. 1,958,926; May 15.
- Automobiles while in motion, Stabilizing. C. B. Huntman. 1,971,958; Aug. 28.
- Automotive brake. G. W. Carlson. 1,956,979; May 1.
- Automotive clutch. W. C. Starkey. 1,962,219; June 12.
- Automotive transmission. R. E. Keller. 1,969,560; Aug. 7.
- Auxiliary distributing valve for locomotives. H. T. Doughty. 1,942,369; Jan. 2.
- Auxiliary meter plug. D. W. Lambert. 1,955,193; Apr. 17.
- Avocado. J. C. Gano. Pl. Pt. 100; Aug. 7.
- Awning. J. F. Platte. 1,984,807; Dec. 18.
- Awning arm bracket. L. B., N., W., and J. M. Goldberg. 1,948,789; Feb. 27.
- Awning arm hinge. L. B., N., W., and J. M. Goldberg. 1,948,788; Feb. 27.
- Awning, Automobile. J. E. Dowd. 1,970,883; Aug. 21.
- Awning blind. E. P. Violette. 1,954,464; Apr. 10.
- Awning construction. A. Bruns. 1,973,944; Sept. 18.
- Awning construction. H. P. Gronbeck. 1,980,991; Nov. 20.
- Awning construction, Window. F. A. Anton and W. T. Harris. 1,959,700; May 22.
- Awning construction, Window. E. F. Bell. 1,976,002; Oct. 9.
- Awning frame. H. S. Wilson and H. Lauten. 1,943,406; Jan. 16.
- Awning or screen housing and support. N. H. Nelson. 1,950,808; Mar. 13.
- Awning rod holder. C. W. Gasswint and E. H. Young. 1,950,940; Mar. 13.
- Awning, Sheet metal. E. Bishop and W. F. Miller. 1,956,850; May 1.
- Awning, Shutter. C. Bauer. 1,964,842; July 3.
- Awning structure. J. D. Stevens. 1,984,095; Dec. 11.
- Ax heads, Manufacture of double-bladed, forged. S. S. Vaughan. 1,948,549; Feb. 27.
- Ax heads, Manufacture of single bladed forged. H. A. Vaughan, G. Olson, and E. Erickson. 1,948,548; Feb. 27.
- Axle. T. H. Jacob. 1,972,564; Sept. 4.
- Axle, Automobile. G. B. Storer. 1,965,267; July 3.
- Axle, Automotive. H. W. Alden. 1,946,051; Feb. 6.
- Axle, Automotive. M. B. Morgan. 1,946,093; Feb. 6.
- Axle, Automotive driving. L. R. Buckendale. 1,985,815; Dec. 25.
- Axle bearing. V. A. Bary. 1,976,537; Oct. 9.
- Axle bearing, Lubricated. V. Ivitsky. 1,973,710; Sept. 18.
- Axle bending equipment. F. J. Fransen. 1,944,862; Jan. 23.
- Axle, Double action. C. Opolo. 1,978,114; Oct. 23.
- Axle drive for rail vehicles with Föttinger gears, Individual two-or multi-stage. U. Barske. 1,984,958; Dec. 18.
- Axle, Driving. A. P. Armington. 1,974,230; Sept. 18.
- Axle, Driving. J. E. Padgett and R. P. Lewis. 1,968,618; July 31.
- Axle for automobile vehicles, Front. E. Bugatti. 1,985,145; Dec. 18.
- Axle for automobiles and the like, Adjustable front. F. J. Kahle and R. W. Baer. 1,946,858; Feb. 13.
- Axle for railway vehicles, Cross swinging. F. Kruckenberg, C. Stedefeld, and W. Black. 1,954,705; Apr. 10.
- Axle for vehicles, Oscillating. J. Q. Shunk. 1,947,363; Feb. 13.
- Axle generator with exciter. C. F. Jenkins. 1,985,679; Dec. 25.
- Axle housing. A. E. Leach. 1,973,905; Sept. 18.
- Axle housing, Making rear. E. C. Mogford and G. Spatta. 1,978,685; Oct. 30.
- Axle housing, Rear. E. C. Mogford and G. Spatta. 1,955,824; Apr. 24.
- Axle housings for motor vehicles, Forming. E. Riemen-schneider and R. H. Thoms. 1,982,400; Nov. 27.
- Axle housings, Forming. E. Riemen-schneider. 1,945,079; Jan. 30.
- Axle housings, Making. E. Riemen-schneider. 1,945,078; Jan. 30.
- Axle housings, Making. R. H. Thoms. 1,945,080; Jan. 30.
- Axle housings, Making welded. E. Riemen-schneider. 1,945,076-7; Jan. 30.
- Axle housings, Method and blank for making. F. Habicht. 1,970,231; Aug. 14.
- Axle level. C. H. Phelps. 1,978,759; Oct. 30.
- Axle mounting. L. H. Irish. 1,946,624; Feb. 13.
- Axle puller. L. O. Beard. 1,958,329; May 8.
- Axle puller. W. J. Waldon. 1,959,751; May 22.

- Axle, Rear. W. A. Mulford and M. F. Dilks. 1,950,034; Mar. 6.
- Axle, Single wheel. F. Prusa. 1,981,325; Nov. 20.
- Axle, Speed change. C. E. Starr. 1,965,266; July 3.
- Axle, Steering and driving. B. G. Donley. 1,959,859; May 22.
- Axle stub-removing tool. M. L. Bardue. 1,968,733; July 31.
- Axle, Tubular. B. H. Urschel. 1,982,890; Dec. 4.
- Axle twisting device. C. C. Bennett. Re19,398; Dec. 18.
- Axles for automobiles or the like, Forming. G. B. Storer. 1,945,092; Jan. 30.
- Axles, Forming and treating. E. C. Mogford and G. Spatta. 1,967,317; July 24.
- Axles of a train, Apparatus for counting the. K. Platte. 1,976,369; Oct. 9.
- Axles, Process and apparatus for bending. C. C. Bennett. 1,972,285; Sept. 4.
- Axles, Treating. E. C. Mogford. 1,961,446; June 5.
- Axylene-oxide derivatives of polyhydroxyalkylalkylamides. H. A. Piggott. 1,985,424; Dec. 25.
- Azimuth by observation on polaris, Device for determining. S. Guttormsson. 1,942,548; Jan. 9.
- Azobenzene compounds, Symmetrically substituted. D. Delfs. 1,959,461; May 22.
- Azo coloring material. F. Ballauf and A. Schmelzer. 1,967,345; July 24.
- Azo compounds and their production. A. Stoll and A. Binkert. 1,982,553; Nov. 27.
- Azodyestuff. R. Stüsser. 1,975,411; Oct. 2.
- Azodyestuff and making same. L. Laska and A. Zitscher. 1,970,661; Aug. 21.
- Azodyestuff containing a nitrosogroup. L. Laska, A. Zitscher, W. Christ, and A. Petzold. 1,942,865; Jan. 9.
- Azo-dyestuff containing chromium and making the same. F. Straub and H. Schneider. 1,946,951; Feb. 13.
- Azo-dyestuffs. G. Bonhöte and C. Apotheker. 1,949,142; Feb. 27.
- Azo-dyestuffs. F. Felix and W. Huber. 1,948,208; Feb. 20.
- Azo-dyestuffs. R. Fleischhauer. 1,943,727; Jan. 16.
- Azodyestuffs. W. E. Kemmerich. 1,975,465; Oct. 2.
- Azodyestuffs. W. Neelmeier, A. Carl, and H. Hertlein. 1,975,402; Oct. 2.
- Azodyestuffs. C. Taube. 1,982,332; Nov. 27.
- Azo-dyestuffs and fiber dyed therewith, Water-insoluble. C. J. Müller and W. Kirst. 1,976,185; Oct. 9.
- Azo-dyestuffs and fiber dyed therewith, Water-insoluble. K. Schnitzspahn and W. Koch. 1,979,055; Oct. 30.
- Azo-dyestuffs and making same. G. Bonhöte. 1,946,010; Feb. 6.
- Azo-dyestuffs and making same. G. Bonhöte and M. Schmid. 1,951,082; Mar. 13.
- Azo-dyestuffs and making same. F. Felix. 1,943,170; Jan. 9.
- Azo-dyestuffs and making same. E. E. Misslin and R. von Capeller. 1,948,224; Feb. 20.
- Azo-dyestuffs and making same, Chromiferous. F. Straub and H. Schneider. 1,979,913; Nov. 6.
- Azo-dyestuffs and making same, Mixed chromiferous. F. Straub and H. Schneider. 1,984,096; Dec. 11.
- Azodyestuffs containing a pyrene nucleus. A. Bergdolt, G. Schrader and M. Corell. 1,982,977; Dec. 4.
- Azo-dyestuffs containing sulphur from diazotized ortho-aminophenols, Manufacture of. R. Lantz. 1,973,636; Sept. 11.
- Azo-dyestuffs containing sulphur, Manufacture of. R. Lantz. 1,973,635; Sept. 11.
- Azodyestuffs derived from 2,3-hydroxynaphthoic acid arylides. E. Rimele and E. Glietenberg. 1,967,370; July 24.
- Azo-dyestuffs insoluble in water and fiber dyed therewith. K. Zahn and K. Schimmelschmidt. 1,951,815; Mar. 20.
- Azodyestuffs insoluble in water and making same. L. Laska and A. Zitscher. 1,947,946; Feb. 20.
- Azo-dyestuffs, Manufacture of. E. Hug and M. Müller. 1,944,645; Jan. 23.
- Azodyestuffs, Water-insoluble. F. Ballauf and A. Schmelzer. 1,979,600; Nov. 6.
- Azodyestuffs, Water insoluble. F. Muth and A. Modersohn. 1,973,013; Sept. 11.
- Baby bouncer. E. L. Upper. 1,950,042; Mar. 6.
- Baby carrier. W. A. Lewis. 1,941,902; Jan. 2.
- Baby chair. W. Hall. 1,965,236; July 3.
- Baby diaper holder. B. S. Alsop. 1,971,671; Aug. 28.
- Baby exerciser and toy rack. L. Wightman. 1,949,594; Mar. 6.
- Baby jumper. J. Kersten. 1,952,872; Mar. 27.
- Backband. D. D. Towers. 1,953,732; Apr. 3.
- Back bar base. E. P. Gannon. Des. 92,895; July 31.
- Back bar superstructure. E. P. Gannon. Des. 92,894; July 31.
- Back cover, Service bar. C. W. Brown. Des. 93,200-2; Sept. 4.
- Backfilling and the like, Apparatus for. G. Domina. 1,943,589; Jan. 16.
- Back-filling apparatus with automatic control, Double-chamber. G. Domina. 1,979,820; Nov. 6.
- Backfire release. P. H. Maurer. 1,953,086; Apr. 3.
- Backfire release. M. P. Whitney. 1,979,302; Nov. 6.
- Back-fire release for internal combustion engines. W. L. McGrath. 1,981,120; Nov. 20.
- Backfires in metal vapour rectifiers, Method and apparatus for preventing. J. Jonas and E. Kern. 1,971,718; Aug. 28.
- Back-lash compensator. L. A. Dumser. 1,955,954; Apr. 24.
- Backlash eliminator. M. de Haas. 1,965,221; July 3.
- Back lash eliminator for machine tool slides. W. D. Archea. 1,961,125; June 5.
- Back pressure control mechanism for machine tools. K. C. Monroe. 1,970,181; Aug. 14.
- Back rest. C. R. Law. 1,975,586; Oct. 2.
- Back rest cover. W. L. Fry. 1,975,599; Oct. 2.
- Back rest for seats. W. Plenzig and H. W. Pitcher. 1,977,205; Oct. 16.
- Back spacing mechanism. H. A. Avery. 1,983,831; Dec. 11.
- Backstop mechanism for elevators. F. W. Jury. 1,963,466; June 19.
- Back-up tool. H. I. Masters and T. Cunningham. 1,981,656; Nov. 20.
- Backing for photographic film, Nonhalation. A. A. Young. 1,942,852; Jan. 9.
- Backing for rubber soles, Forming cement receptive. A. L. Murray. 1,950,258; Mar. 6.
- Bacon hanger. J. E. Covey. 1,967,870; July 24.
- Bacon, Method of and apparatus for slicing. W. Mahler. 1,976,823; Oct. 16.
- Bacon rind removing machine. P. F. Murray. 1,958,797; May 15.
- Bacon sausage. W. Frank. 1,976,165; Oct. 9.
- Bacon skinning machine. C. A. Lorenzen. 1,960,643; May 29.
- Bacon slicing machine. A. Ahrndt. 1,976,824; Oct. 16.
- Bacon slicing machine. A. H. Ahrndt. 1,976,825-6; Oct. 16.
- Bacterial proteins for topical application, Preparation of lysed. F. G. Jones. 1,949,375; Feb. 27.
- Bactericidal compound. E. Klarmann and L. W. Gatyas. 1,967,825; July 24.
- Badge. E. Senel. 1,965,862; July 10.
- Badge of mourning. J. M. Buyauskas. Des. 91,921; Apr. 10.
- Badge or funeral insignia, Door. K. T. Dicks. 1,983,742; Dec. 11.
- Badge or similar article. H. F. Linder. Des. 93,726; Oct. 30.
- Badge or similar article. E. O. Marquette. Des. 92,187; May 8.
- Badge or similar article, High school. H. E. Hein. Des. 94,084; Dec. 18.
- Badminton and like shuttlecocks, Apparatus for use in the manufacture of. S. H. Sieff and G. W. Battle. 1,978,376; Oct. 23.
- Baffle construction, Metallic. P. S. Menough. 1,976,262; Oct. 9.
- Baffle for heat exchangers, Lubricated. G. L. Mateer and C. P. Haller. 1,955,006; Apr. 17.
- Baffle for water heaters. C. H. Morrow. 1,979,008; Oct. 30.
- Bag; See—
- Bottle bag. Multiwall bag.
 - Canvas grain bag. Paper bag.
 - Closure bag. Rubber bag.
 - Coffee bag. Sealed bag.
 - Curing bag. Security bag.
 - Display window bag. Shipping bag.
 - Dual compartment bag. Shoe bag.
 - Dust bag. Shopping bag.
 - Dust collecting bag. Sleeping bag.
 - Fruit picking bag. Storage bag.
 - Garment bag. Striking bag.
 - Golf bag. Tea bag.
 - Hand bag. Tire curing bag.
 - Ice bag. Traveling bag.
 - Knitting bag. Urn bag.
 - Laundry bag. Vacuum cleaner dust bag.
 - Moth bag. Valve bag.
 - Multi-ply bag. Water tight bag.
 - Multi-ply pasted end bag.
- Bag. A. A. Abramson. 1,957,402; May 1.
- Bag. H. H. Allen. 1,941,509; Jan. 2.
- Bag. W. M. Buttrick. 1,973,283; Sept. 11.
- Bag. E. D. Greene. 1,962,071; June 5.
- Bag. P. H. Henkel. 1,984,927; Dec. 18.
- Bag. R. Jarrier. 1,967,712; July 24.
- Bag. I. W. Litchfield. 1,944,089; Jan. 16.
- Bag. A. Potdevin. 1,949,622; Mar. 6.
- Bag. E. H. Scheele. Des. 92,153; May 1.
- Bag. T. M. Scruggs. 1,941,510; Jan. 2.
- Bag. R. E. Van Atta. 1,944,621; Jan. 23.
- Bag. O. J. Walinsky. 1,972,576-7; Sept. 4.
- Bag and blanket, Combination tourist and picnic. B. A. Oas. 1,951,527; Mar. 20.
- Bag and case, Hand. P. A. Martin. 1,979,978; Nov. 6.
- Bag and forming same. P. H. Henkel. 1,956,287; Apr. 24.
- Bag and forming same. W. B. Powell and R. N. Cundall. 1,955,310; Apr. 17.
- Bag and hand bag cover, Hand. B. R. Thornhill and M. E. Rohr. 1,978,971; Oct. 30.
- Bag and making the same, Heat-insulated paper. J. N. d'Este and W. R. Tower. 1,942,917; Jan. 9.
- Bag and method of attaching closure thereto. A. S. Lunn. 1,974,872; Sept. 25.
- Bag and method of manufacture. H. Felmann. 1,984,122; Dec. 11.
- Bag and package, Carbon black paper. A. G. Natwick. 1,953,686; Apr. 3.
- Bag and producing the same, Multiply. E. W. Sweeney. 1,958,597; May 15.

- Bag and protecting cover, Cinder. M. J. Kelly. 1,965,040; July 3.
- Bag and sack. C. Butterfield and H. W. Nichols. 1,944,151; Jan. 23.
- Bag and similar receptacle, Hand. N. Ottinger. Re19,189; May 29.
- Bag closing and sealing machine. H. Anderson. 1,984,049; Dec. 11.
- Bag closing machine. C. F. Allison. 1,959,015; May 15.
- Bag closing machine. C. F. Allison and P. Naehner. 1,973,696; Sept. 18.
- Bag closing machine. J. T. Dalton. 1,967,203; July 17.
- Bag closing machine. T. C. Harrison. 1,975,941; Oct. 9.
- Bag closure. W. N. Baker. 1,962,117; June 12.
- Bag closure. K. R. Dever. 1,951,599; Mar. 20.
- Bag closure, Reinforced. W. N. Baker. 1,977,298; Oct. 16.
- Bag construction. C. O. Edgerly. 1,950,232; Mar. 6.
- Bag-emptying device. J. P. Cody. 1,953,042; Mar. 27.
- Bag fastener. W. C. Hering. 1,952,131; Mar. 27.
- Bag filling and weighing machines, Mechanism for. W. D. Wright. 1,983,427; Dec. 4.
- Bag filling apparatus. E. A. Marsh. 1,979,483; Nov. 6.
- Bag filling machine. W. D. Wright. 1,957,874-5; May 8.
- Bag filling machine. W. D. Wright. 1,960,859; May 29.
- Bag folding and sealing machine. H. E. Shoemaker. 1,956,160; Apr. 24.
- Bag folding machine. A. Andreas. 1,942,159; Jan. 2.
- Bag folding machine. M. I. Wise. 1,977,103; Oct. 16.
- Bag for coffee percolators. B. Hirschhorn. 1,947,523; Feb. 20.
- Bag for folding chairs. P. M. Friedlander. 1,951,604; Mar. 20.
- Bag for fruits and vegetables, Fabric. R. J. Cheatham. 1,942,086; Jan. 2.
- Bag for tire casings, Inflatable curing. L. A. Laursen. 1,982,673; Dec. 4.
- Bag frame. W. C. Hering. Des. 92,908; July 31.
- Bag frame. W. C. Hering. 1,966,204; July 10.
- Bag frame and fastener therefor. W. J. Walker. 1,974,382; Sept. 18.
- Bag frame fastener attaching means. W. I. Jones. 1,967,671; July 24.
- Bag holder. J. H. Rourke. 1,968,265; July 31.
- Bag holding means, Laundry. W. F. Kruschwitz. 1,962,661; June 12.
- Bag hood apparatus, Golf. G. Chapman. 1,957,577; May 8.
- Bag, Lady's hand. W. A. Hirschhorn. Des. 93,015; Aug. 14.
- Bag, Laundrerable hand. B. R. Thornhill and M. E. Rohr. 1,978,970; Oct. 30.
- Bag lock. A. Levine. 1,979,560; Nov. 6.
- Bag making and filling machine. J. P. Aldrich. 1,944,147; Jan. 23.
- Bag making machine. T. M. Avery. 1,967,212; July 24.
- Bag making machine. B. D. Greenlaw. 1,949,273; Feb. 27.
- Bag-making machine. G. W. Poppe. 1,943,549; Jan. 16.
- Bag-making machine. A. Potdevin. 1,949,879-80; Mar. 6.
- Bag making machine. A. Potdevin. 1,953,432; Apr. 3.
- Bag making machine. T. M. Royal. 1,977,647; Oct. 23.
- Bag making machines, Attachment for paper. T. M. Royal. 1,982,697; Dec. 4.
- Bag making method and bag making machine. A. Potdevin. 1,975,123; Oct. 2.
- Bag or casing closer and hanger. A. A. Schaaf. 1,977,492; Oct. 16.
- Bag or like container. I. Corbe. 1,960,232; May 29.
- Bag sealing device. W. E. Higginbottom. 1,979,157; Oct. 30.
- Bag sewing machine. O. F. Hoppe. 1,972,992; Sept. 11.
- Bag structure, Shopping. W. H. Deubener. 1,955,538; Apr. 17.
- Bag turning and lining machine. Y. A. Ahnger. 1,955,401; Apr. 17.
- Bag turning apparatus. C. F. Sparks. 1,964,303; June 26.
- Bagging machine. C. E. Williams and E. M. Chase. 1,955,108; Apr. 17.
- Bagless vacuum cleaner. W. Leathers. 1,954,416; Apr. 10.
- Bags, Apparatus for cleaning. R. B. Rathbun. 1,944,268; Jan. 23.
- Bags, Construction of. W. W. Rowe. 1,944,613; Jan. 23.
- Bags, Device for closing filled. G. Schilbach. 1,979,496; Nov. 6.
- Bags, Forming rubber. P. H. Henkel. 1,984,928; Dec. 18.
- Bags in tires, Apparatus for inserting curing. C. W. Le-guillon and W. H. Slabaugh. 1,947,270; Feb. 13.
- Bags, Making. A. Butterfield. 1,976,687; Oct. 9.
- Bags, Making waxed paper. A. B. Kehr. 1,983,939; Dec. 11.
- Bags, Mechanism for closing filled. P. Gangler. 1,959,577; May 22.
- Bags, Method and apparatus for making. T. E. Coty. 1,951,471; Mar. 20.
- Bags, Method and apparatus for making paper. H. S. Webber. 1,963,571; June 19.
- Bags, Method and apparatus for making paper. H. A. Wolf. 1,979,721; Nov. 6.
- Bags, Process and machine for making. G. W. Poppe. 1,976,513; Oct. 9.
- Bags with powdered or granular products, Method of and apparatus for filling. J. Russell. 1,979,492; Nov. 6.
- Ball connecting means. R. C. Chapman. 1,948,202; Feb. 20.
- Ball container. J. E. Baechle. 1,983,525; Dec. 11.
- Ball ear and method therefor. W. B. Smith. 1,954,430; Apr. 10.
- Bailer. E. G. Keeler. 1,944,434; Jan. 23.
- Bailer, Dumping. C. R. Edgecomb. 1,959,660; May 22.
- Bailer, Well. A. J. Diepenbrock. 1,957,100; May 1.
- Balls to containers, Attaching. H. Schrader. 1,962,286; June 12.
- Bait and lure retriever. R. Hope. 1,958,514; May 15.
- Bait, Artificial. E. A. Akerson. 1,950,075; Mar. 6.
- Bait, Artificial. C. A. Clark. 1,981,091; Nov. 20.
- Bait, Artificial. E. Liotta. 1,946,979; Feb. 13.
- Bait, Artificial. E. F. Pashley. 1,951,626; Mar. 20.
- Bait, Artificial. C. T. Paeuger. 1,977,141; Oct. 16.
- Bait, Artificial. H. J. Stage. 1,982,081; Nov. 27.
- Bait for game fish, Artificial. J. D. Wright. 1,978,875; Oct. 30.
- Baker equipment and using the same. C. H. Purdy. 1,955,655; Apr. 17.
- Bakery products, Apparatus for cooling. H. T. Hunter. 1,979,553; Nov. 6.
- Baking agent and improving dough. B. Hanack and E. Mertens. 1,970,306; Aug. 14.
- Baking apparatus. J. J. Kaufmann. 1,966,410; July 10.
- Baking apparatus. G. W. Lyons. 1,984,027; Dec. 11.
- Baking machine, Automatic. C. G. Hall. 1,967,933; July 24.
- Baking means, auxiliary. E. Komm. 1,966,013; July 10.
- Baking powder. C. F. H. Schott. 1,952,947; Mar. 27.
- Baking receptacle. G. G. Young. 1,979,924; Nov. 6.
- Balance. P. E. Klopsteg. 1,949,721; Mar. 6.
- Balance calculator, Dynamic. J. Lundgren. 1,956,126; Apr. 24.
- Balance indicator for aircraft. P. A. Goldsworthy. 1,948,030; Feb. 20.
- Balance indicator for weighing scales. J. L. Campbell. 1,945,770; Feb. 6.
- Balance printer selecting device. U. Kölm. 1,954,054; Apr. 10.
- Balance-wheel for watches and other horological instruments. E. Schaad. 1,951,995; Mar. 20.
- Balance, Wind tunnel. W. F. Gerhardt and C. A. Brock. 1,980,195; Nov. 13.
- Balanced spiral fabric. V. C. King. 1,952,873; Mar. 27.
- Balanced spiral fabric. M. G. Werme and A. H. Evans. 1,961,317; June 5.
- Balanced sprinkler bearing. P. Gordon. 1,977,763; Oct. 23.
- Balanced turbulence pump. A. Hollander. 1,979,621; Nov. 6.
- Balancer. R. A. Norling. 1,943,453; Jan. 16.
- Balancer. R. A. Norling. 1,968,536; July 31.
- Balancer. R. A. Norling. 1,977,692; Oct. 23.
- Balancing arrangement, Automatic. S. P. Shackleton and P. G. Edwards. 1,960,350; May 29.
- Balancing condenser. L. A. Gebhard and C. F. Rudolph. 1,983,540; Dec. 11.
- Balancing device. W. J. Newman and F. W. Munson. 1,980,693; Nov. 13.
- Balancing means for rotary valves. H. Manrodt. 1,965,662; July 10.
- Balancing of rotating bodies, Dynamic. H. Heymann. 1,971,562; Aug. 28.
- Bale drier. J. H. Fulmer. 1,984,829; Dec. 18.
- Bale tie. A. F. Bradley. 1,980,661; Nov. 13.
- Bale tie. A. V. Rowe. 1,980,503; Nov. 13.
- Bale tie and holder, Combination. S. Y. Taylor and J. P. Corkery. 1,969,109; Aug. 7.
- Bales, Binding. R. W. Montan. 1,973,823; Sept. 18.
- Baling bit. C. E. Kohlmann. 1,953,303; Apr. 3.
- Baling press. S. E. Minnich. 1,975,013; Sept. 25.
- Ball. J. W. Clarke. 1,980,472; Nov. 13.
- Ball. I. E. Sneyary. 1,967,908; July 24.
- Ball agitating device for pin ball games. B. E. Mills. 1,981,462; Nov. 20.
- Ball and making same, Inflated. M. M. Harrison. 1,969,128; Aug. 7.
- Ball and method of making, Golf. L. A. Young. 1,946,378; Feb. 6.
- Ball and roller bearing. A. Bickelhaupt and H. Schlenz. 1,979,663; Nov. 6.
- Ball and socket connection. C. Harris. 1,966,961; July 17.
- Ball and socket joint. F. F. Chandler. 1,976,983; Oct. 16.
- Ball and socket joint. C. Harris. 1,948,757; Feb. 27.
- Ball and socket joint. G. B. Ingersoll. 1,985,728-9; Dec. 25.
- Ball bat and catcher, Combination. F. E. Tromblee. 1,964,232; June 26.
- Ball bearing. R. C. Naylor. 1,966,677; July 17.
- Ball bearing. H. N. Parsons. 1,982,450; Nov. 27.
- Ball bearing. L. H. Stein. 1,958,725; May 15.
- Ball-bearing hinge. L. A. Bittorf. 1,958,465; May 15.
- Ball bearing structure. V. L. Scott. 1,976,637; Oct. 9.
- Ball centers, Forming. D. F. Twiss and A. E. T. Neale. 1,947,539; Feb. 20.
- Ball cock body. H. D. Clemmons. Des. 92,454; June 12.
- Ball, Cock or valve. R. W. Glenn. 1,969,645; Aug. 7.
- Ball connection, Radius rod cushioned. C. W. Hollingsworth. 1,976,258; Oct. 9.
- Ball contact switch. O. J. Leins. 1,964,954; July 3.
- Ball device, Practice golf. O. A. Hendersen. 1,982,808; Dec. 4.
- Ball, Exercising. L. F. Brazeau. 1,941,877; Jan. 2.
- Ball forging machine. W. K. Coates. 1,965,489; July 3.
- Ball forming machine. A. C. Munro. 1,961,239; June 5.

- Ball frame for shaker chutes. A. W. Clarke. 1,956,791; May 1.
- Ball, Golf. T. W. Miller. 1,945,062; Jan. 30.
- Ball, Golf practice. L. I. Clark. 1,979,795; Nov. 6.
- Ball grinding machine. G. F. Matteson. 1,964,165; June 26.
- Ball, Inflatable. A. J. Turner. 1,972,909; Sept. 11.
- Ball joint. G. H. Hufferd and M. P. Graham. 1,971,184; Aug. 21.
- Ball joint for conduits. B. C. Rich. 1,957,805; May 8.
- Ball or tube mill. J. Sheehan. 1,985,801; Dec. 25.
- Ball package, Resilient seal plant. J. T. Lovett, jr. 1,964,887; July 3.
- Ball, Practice golf. W. Landreth. 1,981,959; Nov. 27.
- Ball pusher for grinding mills. L. L. Leach. 1,975,514; Oct. 2.
- Ball races and the like, Production of. F. Schlaa. 1,971,083; Aug. 21.
- Ball, Rubber. F. T. Roberts. 1,964,008; June 26.
- Ball teeing device. B. J. Buckingham. 1,948,020; Feb. 20.
- Ball transfer. J. Craig. 1,963,956; June 26.
- Ball, Water. G. T. Hansen. 1,982,913; Dec. 4.
- Ball winding machine. J. R. Gammeter. 1,974,212; Sept. 18.
- Ball winding machine. H. N. Huse. 1,959,760; May 22.
- Balls and the like, Manufacture of golf. E. A. Murphy, D. F. Twiss, and R. G. James. 1,978,812; Oct. 30.
- Balls, Covering game. E. Baumer. 1,960,803; May 29.
- Balls, Device for marking golf. H. M. Seagers. 1,953,992; Apr. 10.
- Balls, Making golf and other playing. P. A. Martin. 1,982,218; Nov. 27.
- Balls, Manufacture of. S. M. Cadwell. 1,951,392; Mar. 20.
- Balls, Manufacturing solid. G. E. Brenholtz. 1,951,234; Mar. 13.
- Balls, Producing athletic. P. M. Aultman and A. C. Powers. 1,942,993; Jan. 9.
- Balls, Winding. A. F. Pym. 1,974,508; Sept. 25.
- Ballast cleaning machine. F. Speno. 1,951,451; Mar. 20.
- Ballast cleaning machine. F. Speno. 1,953,979; Apr. 10.
- Ballast device. C. P. Brockway. 1,945,726; Feb. 6.
- Ballast tamping machine. A. Scheuchzer. 1,980,704; Nov. 13.
- Balloon spinner. A. L. Wiener. 1,967,138; July 17.
- Balloon theodolite. C. Schoute. 1,967,541; July 24.
- Balloon, Uninflatable. J. Letourneur. 1,981,600; Nov. 20.
- Balustrade for moving hand rails. H. W. Shonnard. 1,941,498; Jan. 2.
- Bananas and the like, Transporting. F. Lavezzorio. 1,976,568; Oct. 9.
- Band, Bread. O. B. Andrews. 1,980,843; Nov. 13.
- Band for felt hats, Sweat. J. Cavanagh. 1,974,258; Sept. 18.
- Band for hats, Sweat. J. Cavanagh. 1,969,352; Aug. 7.
- Band for headwear, Insertable. N. A. Rosen. 1,957,356; May 1.
- Band for jewelry purposes. A. Hiller. 1,941,684; Jan. 2.
- Band for pocket pens, pencils, and the like. A. Slatis. 1,961,460; June 5.
- Band for poultry, Marking. M. Bayerdorffer. 1,956,974; May 1.
- Band guide for machines for the manufacture of thin razor blades from a continuous band. W. Fischer and W. Tobias. 1,966,006; July 10.
- Band, Head. F. C. Lampe. 1,971,788; Aug. 28.
- Band moisture. J. A. Neumair. 1,981,465; Nov. 20.
- Band or linkage, Flexible. C. K. Hestman. 1,943,733; Jan. 16.
- Band-pass filter. H. F. Dalpayrat. Re19,232; July 10.
- Band pass receiver, Convertible. R. A. Braden. 1,944,119; Jan. 16.
- Band pass receiver, Convertible. D. B. H. Tellegen. 1,945,096; Jan. 30.
- Band resaw. E. W. Hutchings. 1,959,475; May 22.
- Band reversal transmission system, Side. J. H. Hammond, jr. 1,976,393; Oct. 9.
- Band spring clip. J. Parkhill. 1,970,765; Aug. 21.
- Band, Sweat. J. Saldich. 1,944,110; Jan. 16.
- Band, Sweat. L. L. Sherwood. 1,958,804; May 15.
- Band-tightening device. F. J. Jakoubek. 1,979,555; Nov. 6.
- Band track, Flexible. H. A. Knox. 1,947,474; Feb. 20.
- Band, Wrist watch. H. R. Wade. Des. 92,787; July 10.
- Bandage. J. E. Connolly. 1,967,923; July 24.
- Bandage. W. D. Lloyd. 1,981,561; Nov. 20.
- Bandage. J. M. Rosenblum. 1,964,962; July 3.
- Bandage and preparing same, Plaster of Paris. R. E. Reed. 1,953,898; Apr. 3.
- Bandage, Surgical. D. J. Dubamel. 1,949,271; Feb. 27.
- Bandages carrying plaster of Paris, Manufacture of surgical. J. Weiss. 1,981,607; Nov. 20.
- Banding machine. F. X. Malocsay. 1,981,366; Nov. 20.
- Banding machine. F. Renz. 1,968,172; July 31.
- Banding machine. H. R. Schutz. 1,985,800; Dec. 25.
- Banding machine. F. Slusher. 1,969,160; Aug. 7.
- Bands, Device for driving. W. Klappenecker. 1,955,813; Apr. 24.
- Bands, Fastening gelatinized. K. M. Henderson. 1,982,807; Dec. 4.
- Bands for glazing and the like, Apparatus for applying waterproof. L. J. Sagit. 1,953,569; Apr. 3.
- Bands, Manufacturing laminated metal. F. Jordan. 1,985,783; Dec. 25.
- Banjo and frame of a rear axle housing, Forming the. G. Spatta. 1,958,214; May 8.
- Banjo and frame of a rear axle housing, Forming the. G. Spatta. 1,958,215; May 8.
- Bank-check post-card folder. K. B. McCarthy. 1,946,751; Feb. 13.
- Bank, Contact. J. Erickson. 1,971,481; Aug. 28.
- Bank notes, Apparatus for receiving, issuing, and counting. S. Chiger. 1,953,073; Apr. 3.
- Bank protecting device. L. R. Städtler. 1,958,321; May 8.
- Banker's protective appliance. J. P. Foley. 1,982,247; Nov. 27.
- Banner, Aerial. W. A. Bohannon and C. B. Gilbert. 1,963,772; June 19.
- Banner, Aerial. W. A. Bohannon and C. B. Gilbert. 1,974,039; Sept. 18.
- Bar; See—
- Acidproof beater bar. License plate lock bar.
- Adjustable supporting bar. Meat bar.
- Beehive frame locking bar. Needle bar.
- Gas meter bar. Portable adjustable bar.
- Glazing bar. Portable bar.
- Grate bar. Railway joint bar.
- Harvester finger bar. Sky light bar.
- Jack bar. Soap bar.
- Joint bar. Tie spacing bar.
- Leveling bar. Vehicle bumper bar.
- Bar and latch for swinging closures, Push. H. K. Meis. 1,977,344; Oct. 16.
- Bar bending machine. C. Kirchner. 1,957,395; May 1.
- Bar for concrete, Reenforcing. C. S. Davis. 1,980,668; Nov. 13.
- Bar for motor vehicles, Auxiliary draw. C. Brown. 1,949,528; Mar. 6.
- Bar for ophthalmic mountings, Center. L. H. Budd. Des. 92,452; June 12.
- Bar for ophthalmic mountings, Center. W. S. Searles. Des. 91,597; Feb. 20.
- Bar metering system. C. L. Ekstergian. 1,969,503; Aug. 7.
- Bar or rack, Hanging. H. L. Wittstein. 1,972,282; Sept. 4.
- Bar or similar article, Portable. H. Rodstein and I. Nathanson. Des. 93,849; Nov. 13.
- Bar plate or rail-joint bar. G. W. Muller. Re19,147; Apr. 24.
- Bar separator. L. G. Symons. 1,961,534; June 5.
- Bar stock to machine tools, Feeding. K. Tessky. 1,954,964; Apr. 17.
- Bar support. R. R. Robertson. 1,979,410; Nov. 6.
- Bar support for concrete construction. G. Birkland. 1,947,445; Feb. 20.
- Bar support for concrete gauges, Guide. S. E. Scott. 1,970,948; Aug. 21.
- Bar traveler for spinning machines. H. E. Herr. 1,955,294; Apr. 17.
- Barb wire holder, Reversible. P. W. Keller. 1,980,919; Nov. 13.
- Barber chair. J. R. Emmert. 1,951,508; Mar. 20.
- Barber chair. J. Savoy. 1,964,217; June 26.
- Barber's chair. C. F. Dorrell. 1,948,786; Feb. 27.
- Barberry. M. H. Horvath. Pl. Pt. No. 110; Oct. 23.
- Barberry, Hybrid. E. H. Schultz and M. H. Horvath. Pl. Pt. 99; June 26.
- Barium sulphate from barytes, Process and apparatus for recovering. M. J. Rentschler. 1,959,305; May 15.
- Barium sulphate, Production of. A. L. D. d'Adrian. 1,981,094; Nov. 20.
- Bark from logs, Device for removing. J. M. Council. 1,951,084; Mar. 13.
- Bark removing machine. A. H. Onstad. 1,956,653; May 1.
- Bark removing machine. M. Sharkey. 1,953,194; Apr. 3.
- Barn, etc. J. Burgad. 1,975,751; Oct. 2.
- Barometer. R. A. Kopp and J. Peter. 1,950,497; Mar. 13.
- Barometer. F. B. Newell. 1,963,860; June 19.
- Barometric condenser. D. K. Warner. 1,957,414; May 1.
- Barrel. C. W. Avery. 1,948,837; Feb. 27.
- Barrel. G. H. Osgood. 1,954,095; Apr. 10.
- Barrel. C. J. Robinson. 1,947,228; Feb. 13.
- Barrel. J. S. Townsend. 1,962,626; June 12.
- Barrel agitator and handle. C. E. Farrington. 1,970,367; Aug. 14.
- Barrel bung, Beer. S. Gabel and D. A. Fenichell. 1,959,234; May 15.
- Barrel construction. A. Quimby. 1,956,928; May 1.
- Barrel construction, Lined. W. E. Coakley. 1,969,120; Aug. 7.
- Barrel for deep well pumps, Working. O. E. Griffiths. 1,953,172; Apr. 3.
- Barrel-handling machinery. A. Hoeffleur. 1,943,530; Jan. 16.
- Barrel head, Metal. H. Fulenwider. 1,975,265; Oct. 2.
- Barrel heading. T. S. Eagen. 1,964,812; July 3.
- Barrel hoist, stand, and truck. J. J. Hoedl, jr. 1,974,675; Sept. 25.
- Barrel key cutting machine. L. J. Caron. 1,978,009; Oct. 23.
- Barrel or similar article. J. E. Garland. Des. 92,295; May 22.
- Barrel, Rumbling. M. A. Rollman. 1,969,327; Aug. 7.
- Barrel supporting and cooling device. E. C. Clifford. Re19,361; Nov. 6.
- Barrel supporting and cooling device. E. C. Clifford. 1,957,199; May 1.
- Barrel tap. F. R. Lueck. 1,956,724; May 1.

- Barrel, Tumbling. L. B. Green. 1,945,035; Jan. 30.
 Barrels, Apparatus for discharging and loading burnishing. W. R. Hartley. 1,965,077; July 3.
 Barricade, Folding. E. O. Hamren. 1,961,760; June 5.
 Barrier and slag screen, Mixing. G. Lasker. 1,944,330; Jan. 23.
 Base and conduit, Combined metallic. A. J. Connell and J. Cohen. 1,942,137; Jan. 2.
 Baseball batting practice machine. R. B. Cone. 1,962,087; June 5.
 Baseball game. W. Spier. 1,955,104; Apr. 17.
 Baseball game apparatus. W. Z. Allen. 1,966,748; July 17.
 Baseball game apparatus. C. L. Harrison. 1,695,101; July 3.
 Baseball game apparatus. N. C. Whitney. 1,980,125; Nov. 6.
 Baseball game, Miniature. H. F. Jacobs. 1,942,429; Jan. 9.
 Baseboard switch. I. L. Matson. 1,954,391; Apr. 10.
 Base cut-out. D. S. Gustin. 1,950,028; Mar. 6.
 Base-exchange body. R. Griessback and K. Neundlinger. 1,965,923; July 10.
 Base-exchange material and the production thereof. C. C. L. G. Budde. 1,974,010; Sept. 18.
 Base-exchanging substance. R. Griessbach. 1,972,419; Sept. 4.
 Base feed and staking machine. W. Makenny. 1,941,992; Jan. 2.
 Base finish, Metallic partition. T. V. Balch and J. A. Bohnsack. 1,960,077; May 22.
 Base for bowling pins, Renewable. H. C. Gustafson. 1,971,948; Aug. 28.
 Base for candle lamps. T. J. Muench. Des. 92,485; June 12.
 Base for coating, cementing, molding, and the like compositions. J. Mano. 1,960,252; May 29.
 Base for devices. K. F. Juengling. 1,982,254; Nov. 27.
 Base for electric switches, etc., Universal. C. E. Hanny. 1,970,520; Aug. 14.
 Base plate for dentures. L. H. Sprinkle. 1,942,455; Jan. 9.
 Base plate for ships and building structures. D. A. Trevisan and F. A. MacRae. 1,950,277; Mar. 6.
 Base unit for a cabinet or similar article. H. E. Blood. Des. 92,158; May 8.
 Bases, Method of and apparatus for soldering. F. J. Rippl. 1,960,066; May 22.
 Basic product from imino ethers of higher fatty acids and making them. M. Bockmühl and R. Knoll. 1,958,529; May 15.
 Basket. W. F. Best and W. Kremer. 1,958,737; May 15.
 Basket. W. H. Deubener. 1,957,099; May 1.
 Basket. R. M. Koch. Des. 91,271; Jan. 2.
 Basket. R. M. Koch. Des. 92,614; June 26.
 Basket. W. E. Morgan. 1,978,384; Oct. 23.
 Basket. C. C. Nuckols. 1,981,187; Nov. 20.
 Basket. W. Verhalen. 1,969,245; Aug. 7.
 Basket. W. H. Walker. 1,941,819; Jan. 2.
 Basket and handle therefor. A. E. Alexander. 1,950,376; Mar. 13.
 Basket and similar container, Knock-down. C. H. Good-year. 1,954,201; Apr. 10.
 Basket ball goal indicator. R. F. Wiesel and H. G. Berberich. 1,980,652; Nov. 13.
 Basket, Bicycle. L. V. Agee. 1,967,002; July 17.
 Basket, Collapsible fish. J. T. Lawrence. 1,985,177; Dec. 18.
 Basket cover. C. J. Dudley. 1,966,813; July 17.
 Basket cover. E. P. Sherman. 1,943,093; Jan. 9.
 Basket cover fastener. W. W. Hargroves. 1,947,393; Feb. 13.
 Basket, Floral. H. M. Potter. 1,979,771; Nov. 6.
 Basket, Fruit. T. F. Barnes. 1,974,095; Sept. 18.
 Basket, Fruit. F. J. Brainard. 1,963,433; June 19.
 Basket handle. W. F. Benning. 1,958,562; May 15.
 Basket handle. F. H. Dasse. 1,958,566; May 15.
 Basket handle. L. M. Hile. 1,946,793; Feb. 13.
 Basket handle. L. M. Hile. 1,958,576; May 15.
 Basket handle. P. K. Madison and R. D. Smith. 1,959,273; May 15.
 Basket handle. F. B. Townsend. 1,962,416; June 12.
 Basket liner. E. B. Hiatt. 1,975,510; Oct. 2.
 Basket liner. J. W. Trew. 1,966,270; July 10.
 Basket lining for centrifugals. E. Roberts. 1,946,500; Feb. 13.
 Basket making machine. C. B. Thayer. 1,957,035; May 1.
 Basket, Metal flower. R. M. Koch. Des. 92,254; May 15.
 Basket, Metal flower. R. M. Koch. Des. 94,033; Dec. 11.
 Basket, Rectangular. L. M. Hile. 1,941,835; Jan. 2.
 Basket, Rectangular. L. M. Hile. 1,943,824-5; Jan. 16.
 Basket, Work. E. G. Biberman. 1,933,116; Dec. 4.
 Baskets and similar receptacles, Apparatus for making. E. M. Giles. 1,977,825; Oct. 23.
 Baskets and the like, Attachment to. C. N. Lush. 1,973,643; Sept. 11.
 Baskets, Making. S. H. Hunt. 1,967,146; July 17.
 Baskets, Method and machine for making. P. Hintz. 1,964,635; June 26.
 Baskets, Method of and apparatus for making. M. Balsamo. 1,954,861; Apr. 17.
 Bast fibers, Purification of. H. P. Bassett. 1,961,545; June 5.
 Bast fibers, Purification of. F. H. Snyder. 1,983,008; Dec. 4.
 Bat. H. J. Walsh. 1,946,373; Feb. 6.
 Bat forming apparatus. C. Lofman. 1,955,508; Apr. 17.
 Bat, Return-ball. G. M. Young. Des. 93,151; Aug. 21.
 Batch mixtures to furnaces, Method and apparatus for feeding. R. Good. 1,953,221; Apr. 3.
 Batch weighing apparatus. W. C. Bates and J. O. Krosse. 1,971,807; Aug. 28.
 Bath, Acid hardening fixing. H. D. Russell. 1,981,391; Nov. 20.
 Bath and service table, Combination. W. Derbyshire. 1,982,859; Dec. 4.
 Bath apparatus. J. S. Martin. 1,982,258-61; Nov. 27.
 Bath appliance, Knock-down heat. M. Blunt. 1,979,094; Oct. 30.
 Bath, Arm. C. E. Pain, jr. 1,963,557; June 19.
 Bath, Rectal. J. Brannan. 1,957,625; May 8.
 Bathroom chair, Neo-classic. L. Guild. Des. 91,268-9; Jan. 2.
 Bathroom reclining board. W. Lambrecht. 1,956,221; Apr. 24.
 Bathroom scale casing. H. L. Nicholas. Des. 92,194; May 8.
 Bath spray. S. Isenberg. Des. 91,825; Mar. 27.
 Bath spray. S. Isenberg. 1,985,502; Dec. 25.
 Bath spray. E. Taylor. 1,948,807; Feb. 27.
 Bath spray. C. Vogel. 1,962,793; June 12.
 Bath spray device. J. Semkow. 1,942,905; Jan. 9.
 Bath spray head, Shower. J. Fraser. 1,958,038; May 8.
 Bath sprayhead, Shower. L. Simmons. 1,958,867; May 15.
 Bathtub. N. A. Hesler. Des. 93,716; Oct. 30.
 Bathtub. J. Jadowski. 1,962,076; June 5.
 Bathtub. C. J. Rodman. 1,955,022; Apr. 17.
 Bathtub. H. S. Saxman. 1,960,830; May 29.
 Bathtub. B. O. Tilden. Des. 93,254-5; Sept. 4.
 Bathtub and cabinet therefor. E. E. Jellison. 1,970,456; Aug. 14.
 Bathtub construction. P. L. Potter. 1,980,929; Nov. 13.
 Bathtub construction. E. B. Schlegel. 1,961,433; June 5.
 Bathtub fixture. M. P. Doyle. 1,945,033; Jan. 30.
 Bathtub hanger. V. J. Nelson. 1,962,784; June 12.
 Bathtub shower device. S. Sena. 1,964,387; June 26.
 Bathtub support. J. Capra. 1,955,485; Apr. 17.
 Bathtub, Thermos. C. A. Gottfried. 1,941,832; Jan. 2.
 Bath unit, Combination. J. S. Carlson. 1,985,147; Dec. 18.
 Bathing beach accessory. V. W. Armstrong. 1,946,998; Feb. 13.
 Bathing device, Buoyant. M. P. Browne. 1,960,474; May 29.
 Bathing fixture. A. P. Woolfolk. 1,979,596; Nov. 6.
 Bathing machine. I. M. Jaynes. 1,965,774; July 10.
 Bathing outfit. E. Holahan. 1,954,526; Apr. 10.
 Bathing outfit, Portable. B. Stewart. 1,957,365; May 1.
 Bathing plant. G. O. W. Heijkenskjöld. 1,947,594; Feb. 20.
 Bathing plant. G. O. W. Heijkenskjöld. 1,976,168; Oct. 9.
 Bathing pool, Collapsible. M. L. McCulloch. 1,961,061; May 29.
 Bathing suit. B. Steuer. 1,969,333; Aug. 7.
 Baton, Flashlight. M. A. Klein. 1,950,369; Mar. 6.
 Batt forming apparatus. C. Lofman. 1,964,668; June 26.
 Batteries, Apparatus for automatically charging. H. Benit. 1,964,246; June 26.
 Batteries for storage or shipment without electrolyte, Preparing. W. H. Creitz. 1,953,591; Apr. 3.
 Batteries, Method and apparatus for controlling storage. O. B. Benson. 1,975,892; Oct. 9.
 Battery: See—Storage battery.
 Battery. C. H. King. 1,945,694; Feb. 6.
 Battery, and making the same, Storage. G. C. Appel. R. W. Vicney, and J. D. Wanvig, jr. 1,942,350; Jan. 2.
 Battery and similar connection. W. C. Berryman. 1,961,955; June 5.
 Battery assembly. J. D. Huntsberger. 1,957,342; May 1.
 Battery cable connector. L. Joy. 1,976,941; Oct. 16.
 Battery cable terminal. L. Benny. 1,980,779; Nov. 13.
 Battery cell filler, Storage. J. J. Lindinger. 1,967,831; July 24.
 Battery cell, Interchangeable. A. D. Gerking. 1,982,801; Dec. 4.
 Battery charge control system. C. C. Rose and J. Altmyer. 1,983,243; Dec. 4.
 Battery charger. E. F. W. Heyer. 1,970,889; Aug. 21.
 Battery charging and distributing panel, Storage. A. L. Young. 1,950,428; Mar. 13.
 Battery charging system. J. M. Dannheiser. 1,962,484; June 12.
 Battery charging system. J. F. Frese. 1,973,804; Sept. 18.
 Battery charging system and apparatus, Storage. C. Hambuechen. 1,954,931; Apr. 17.
 Battery charging system, Automatic. A. Wiessner. 1,954,110; Apr. 10.
 Battery charging system, Storage. H. Benjt. 1,979,440; Nov. 6.
 Battery clamp. C. E. and W. B. Taylor. 1,961,113; May 29.
 Battery connector. E. Loosbrock. 1,942,435; Jan. 9.
 Battery connector. F. H. Rabe. 1,953,821; Apr. 3.
 Battery connector. W. G. Riddle. 1,975,668; Oct. 2.
 Battery connection, Electric. W. H. Wright. 1,941,773; Jan. 2.
 Battery construction. H. Barton. 1,978,779; Oct. 30.

- Battery construction. E. J. McEachron and R. S. Johnson. 1,966,590; July 17.
- Battery container. P. F. Boeye. 1,965,215; July 3.
- Battery container. J. A. Smith. Des. 91,572; Feb. 20.
- Battery container. E. J. Ward and R. H. Griffiths. Des. 93,866; Sept. 18.
- Battery element, Storage. W. G. Blake. 1,980,903; Nov. 13.
- Battery element, Storage. W. L. Reinhardt. 1,970,189; Aug. 14.
- Battery filler. F. Altmayer and A. O. Codney. 1,956,968; May 1.
- Battery filler. G. T. Marlowe. 1,984,803; Dec. 18.
- Battery filling device. W. C. Desmond. 1,946,314; Feb. 6.
- Battery filling machine, Storage. C. D. Galloway. 1,942,641; Jan. 9.
- Battery grid pasting machine. G. N. Goodrich and C. G. Reetz. 1,963,018; June 12.
- Battery grid, Storage. H. Salmon and E. T. Williams. 1,982,485; Nov. 27.
- Battery hand lamp. J. S. Zook. 1,945,016; Jan. 30.
- Battery ignition system. C. J. Voeg. 1,980,648; Nov. 13.
- Battery lamp. J. H. Horsley. 1,964,577; June 26.
- Battery packet, Dry. H. Koch. 1,983,037; Dec. 4.
- Battery plate. L. A. Doughty. 1,963,736; June 19.
- Battery plate assembling machine. A. Mayer. 1,956,870; May 1.
- Battery plates, Apparatus for drying storage. W. L. Reinhardt. 1,983,995; Dec. 11.
- Battery plates, Preparing storage. G. Kränzlein, R. K. Müller, and L. W. Berlin. 1,963,468; June 19.
- Battery separator, Storage. A. Dinin. 1,966,237; July 10.
- Battery servicing kit. B. F. W. Heyer. Des. 92,960; Aug. 7.
- Battery terminal. H. H. Henry. 1,947,158; Feb. 13.
- Battery terminal. C. A. Marks. 1,965,846; July 10.
- Battery terminal. J. H. Ryalls. 1,951,259; Mar. 13.
- Battery terminal. W. C. Thompson. 1,969,051; Aug. 7.
- Battery terminal and cable clamp. C. H. Carpenter. 1,984,518; Dec. 18.
- Battery terminal clamp. H. Braum. 1,951,690; Mar. 20.
- Battery terminal clamp. A. D. Gay. 1,968,137; July 31.
- Battery terminal connector. E. E. Shrigley. 1,950,699; Mar. 13.
- Battery terminal connection. A. L. Fisch. 1,977,179; Oct. 16.
- Battery terminal connection. J. L. Sands. 1,943,190; Jan. 9.
- Battery terminal connection, Storage. J. W. Luke. 1,950,804; Mar. 13.
- Battery terminal, Corrosionproof. T. A. Brown. 1,957,131; May 1.
- Battery terminal post clamp. K. Aoki. 1,976,649; Oct. 9.
- Battery with liquid electrolyte, Non-spillable primary. G. W. Heise. 1,972,775; Sept. 4.
- Beach chair. H. A. Freedman. 1,985,823; Dec. 25.
- Beach chair. S. W. Marvin. 1,963,708; June 19.
- Beacon and air current indicator. O. Werner. 1,976,706; Oct. 9.
- Beacon, Wind indicating aeronautical search-light. F. Boyle. 1,946,351; Feb. 6.
- Bead and applying same to a wheeled rim, Ornamental. G. A. Lyon. 1,948,273; Feb. 20.
- Bead chain. T. Russell. 1,947,113; Feb. 13.
- Bead flippers, Forming. H. A. Denmire. 1,956,982; May 1.
- Bead forming apparatus. G. F. Wikle. 1,964,445; June 26.
- Beadings to tire covers, Applying. G. A. Lyon. 1,965,528; July 3.
- Beadings to tire covers, Method of and apparatus for applying. G. A. Lyon. 1,965,533; July 3.
- Beadings to tire covers, Method of and apparatus for attaching. G. A. Lyon. 1,965,530; July 3.
- Beads for tires, Building. W. C. Stevens. 1,944,768; Jan. 23.
- Beads in annular articles, Method of and machine for rolling. C. C. Grotnes. 1,952,857; Mar. 27.
- Beam. R. K. O. Sahlberg. 1,979,642; Nov. 6.
- Beam, Composite. R. K. O. Sahlberg. 1,979,643; Nov. 6.
- Beam construction. G. F. Kotrbaty. 1,957,176; May 1.
- Beam hanger. J. R. Mahan. 1,982,615; Nov. 27.
- Beam-scale, Self-justifying. F. H. Kasperson. 1,942,709; Jan. 9.
- Beam structure, Composite. A. H. Schaffert. 1,951,811; Mar. 20.
- Beams and girders under load, Reinforcing. A. G. Leake. 1,970,966; Aug. 21.
- Bean cutter. L. T. and R. H. McGee. 1,971,495; Aug. 28.
- Bearing: See—
- Antifriction bearing.
- Antifrictional bearing.
- Axle bearing.
- Balanced sprinkler bearing.
- Ball and roller bearing.
- Ball bearing.
- Centrifugal pump bearing.
- Clutch throw-out bearing.
- Composite bearing.
- Equalizing bearing.
- Fan bearing.
- Flexible bearing.
- Floating bearing.
- Furnace-fan bearing.
- Hinge bearing.
- Hydraulic bearing.
- Journal ball bearing.
- Journal bearing.
- Knife edge bearing.
- Lubricated bearing.
- Pitman stirrup bearing.
- Pivot bearing.
- Pressure-tight bearing.
- Rod weeder bearing.
- Roller bearing.
- Roller side bearing.
- Scale bearing.
- Self-lubricating bearing.
- Shaft bearing.
- Side bearing.
- Submersible bearing.
- Tapered roller bearing.
- Thrust bearing.
- Wrist-pin bearing.
- Bearing. P. E. Barker. 1,972,581; Sept. 4.
- Bearing. F. G. Baum. 1,956,973; May 1.
- Bearing. J. L. Brown. 1,973,047; Sept. 11.
- Bearing. S. W. Crawford. 1,941,788-9; Jan. 2.
- Bearing. H. R. Gibbons. 1,978,707; Oct. 30.
- Bearing. H. A. S. Howarth. 1,971,412; Aug. 28.
- Bearing. F. G. Hughes. 1,956,236; Apr. 24.
- Bearing. E. Ljungström. 1,965,293; July 3.
- Bearing. E. A. Lundvall. 1,944,291; Jan. 23.
- Bearing. O. Mackensen. 1,947,559; Feb. 20.
- Bearing. E. J. Ovington. 1,980,081; Nov. 6.
- Bearing. J. P. Ruth. 1,966,905; July 17.
- Bearing. C. R. Short. 1,957,111; May 1.
- Bearing. M. A. Smith. 1,985,356; Dec. 25.
- Bearing. F. B. Stearns. 1,959,279; May 15.
- Bearing. W. E. Trumpler. 1,946,993; Feb. 13.
- Bearing. A. Vigne. 1,941,768; Jan. 2.
- Bearing. A. G. F. Wallgren. 1,942,194; Jan. 2.
- Bearing. A. G. F. Wallgren. 1,946,652; Feb. 13.
- Bearing. C. H. White. 1,971,547; Aug. 28.
- Bearing and cage, Roller. T. V. Buckwalter. 1,949,824; Mar. 6.
- Bearing and friction lock. R. H. Harsh. 1,969,749; Aug. 14.
- Bearing and lubricant housing. E. S. Culver. 1,963,353; June 19.
- Bearing and making same. G. R. Brophy and E. A. Smith. 1,977,335; Oct. 16.
- Bearing and manufacture thereof. A. G. F. Wallgren. 1,973,131; Sept. 11.
- Bearing and seal therefor. C. N. House. 1,979,388; Nov. 6.
- Bearing assembly, Roller. A. H. Oelkers. 1,960,314; May 29.
- Bearing assembly, Roller. A. H. Oelkers. 1,977,324; Oct. 16.
- Bearing assembly, Unit spindle. E. P. Bullard. 1,970,276; Aug. 14.
- Bearing axle box, Antifriction. W. Lenz. 1,953,811; Apr. 3.
- Bearing box, Universally adjustable. W. T. Harding. 1,953,403; Apr. 3.
- Bearing broaching machine. W. A. Hart. 1,961,928; June 5.
- Bearing cage, Ball. G. Ege. 1,943,955; Jan. 16.
- Bearing cage, Roller. C. Walter. 1,951,042; Mar. 13.
- Bearing cages and the product thereof, Making. H. Styri. 1,958,025; May 8.
- Bearing cap finishing device. G. C. Monckmeier. 1,971,078; Aug. 21.
- Bearing construction. H. Conover. 1,962,429; June 12.
- Bearing construction. L. R. Heim. 1,948,864; Jan. 16.
- Bearing construction. L. R. Heim. 1,984,213; Dec. 11.
- Bearing construction. F. Hodgkinson. 1,943,891; Jan. 16.
- Bearing construction. S. M. Weckstein. 1,943,049; Jan. 9.
- Bearing construction, Roller. C. S. Brown. 1,943,418; Jan. 16.
- Bearing delivery, Off. C. R. Moon. 1,971,574; Aug. 28.
- Bearing device for rotary bodies. O. A. Wiberg. 1,970,992; Aug. 21.
- Bearing element. C. H. Leis and L. Sandler. 1,958,089; May 8.
- Bearing extracting device. W. J. Waldon. 1,962,289; June 12.
- Bearing for automatic multispindle turret-lathes, Turret. F. Poppensieker. 1,964,213; June 26.
- Bearing for casings, Antifriction. C. R. Bailey. 1,960,364; May 29.
- Bearing for clocks, watches and other precision instruments, Pivot. R. Straumann. 1,950,867; Mar. 13.
- Bearing for coffee roasters. P. A. Dubus. 1,981,096; Nov. 20.
- Bearing for drill cutters. L. E. Garfield. 1,983,283; Dec. 4.
- Bearing for electric motors and the like. J. D. Jones. 1,944,936; Jan. 30.
- Bearing for measuring appliances, Elastic-knife-edge. K. V. Hieber. 1,981,105; Nov. 20.
- Bearing for printing machines, Cylinder. A. J. Graf. 1,972,840; Sept. 4.
- Bearing for railroad cars, Journal. S. H. Campbell, F. K. Habenicht, and F. H. Pietzsch. 1,967,525; July 24.
- Bearing for spindles. F. Lüthy. 1,975,646; Oct. 2.
- Bearing for spindles of centrifuges, Guide. V. J. Gilmore. 1,980,580; Nov. 13.
- Bearing lubrication. A. D. Walter. 1,982,937; Dec. 4.
- Bearing lubrication, Journal. E. S. Pearce. 1,964,688; June 26.
- Bearing lubricator. M. J. Stanton. 1,954,685; Apr. 10.
- Bearing, Making a self-lubricating. J. E. Hooper. 1,964,202; June 26.
- Bearing manufacture. J. V. O. Palm. 1,944,609; Jan. 23.
- Bearing manufacture. J. V. O. Palm. 1,956,464; Apr. 24.
- Bearing manufacture. J. V. O. Palm. 1,956,465-70; Apr. 24.
- Bearing metal alloy. A. W. Schluchter. 1,981,927; Nov. 27.
- Bearing mounting. H. J. Graham and L. A. Darling. 1,957,062; May 1.

- Bearing of axles and shafts. J. McIntock. 1,946,409; Feb. 6.
- Bearing plates, Making composite metal. G. L. Sherwood and H. L. Johnson. 1,984,385; Dec. 18.
- Bearing raceways, Making. M. T. Lothrop and A. L. Bergstrom. 1,955,195; Apr. 17.
- Bearing retainer, Roller. J. P. Johnson. 1,943,894; Jan. 16.
- Bearing retaining means. J. C. Buchanan. 1,978,186; Oct. 23.
- Bearing seal for mulling machines. H. S. Simpson. 1,985,063; Dec. 18.
- Bearing sleeve. B. Stockfleth. 1,970,024; Aug. 14.
- Bearing sleeves, Making. B. Stockfleth. 1,942,578; Jan. 9.
- Bearing structure, Taper roller. S. A. Strickland. 1,945,094; Jan. 30.
- Bearing support, Vehicle suspension. J. W. Leighton. 1,958,968; May 15.
- Bearing swivel, Equalized multiple. J. A. Wray. 1,979,239; Oct. 30.
- Bearings and bearing materials, Making. C. F. Noftzger. 1,983,184; Dec. 4.
- Bearings and the like, Coating. C. W. Eggenweiler and W. J. Fiegl. 1,960,483; May 29.
- Bearings, Assembling roller. P. B. Goddard and F. Ketcham. 1,947,004; Feb. 13.
- Bearings, Making. E. J. Ovington. 1,980,082; Nov. 6.
- Bearings, Making journal. W. E. McCullough. 1,981,276; Nov. 20.
- Bearings, Making roller. L. R. Heim. 1,976,019; Oct. 9.
- Bearings, Manufacturing and testing. R. D. Pike, H. J. Stevenson, and O. M. Eash. 1,945,294; Jan. 30.
- Bearings, Method of and apparatus for the manufacture of. W. H. Klocke. 1,964,584; June 26.
- Bearings, Producing. E. W. Dilz. 1,976,058; Oct. 9.
- Bearings, Producing. B. Stockfleth and F. W. Burger. 1,950,094; Mar. 6.
- Bearings, Producing roller. J. P. Johnson. 1,983,134; Dec. 4.
- Beater. W. J. Mahony. 1,966,352; July 10.
- Beater. K. B. Van Woert. 1,981,531; Nov. 20.
- Beater bar mill with two beater bar disks rotating rapidly in opposite directions. J. Otto. 1,947,953; Feb. 20.
- Beater, Egg. J. Anderson. Des. 93,596; Oct. 16.
- Beater, Egg. C. E. Kail. 1,965,650; July 10.
- Beater, Egg. J. E. Nordby and L. Helland. 1,968,502; July 31.
- Beater, Egg. L. T. Pullen. 1,953,722; Apr. 3.
- Beater, Egg. L. E. Wheeler. 1,954,507; Apr. 10.
- Beater element for pulverizing apparatus. J. W. Armour. 1,941,923; Jan. 2.
- Beater for cotton pickers. A. St. Onge. 1,956,162; Apr. 24.
- Beater mechanism for braiding machines. B. K. Ford. 1,976,931; Oct. 16.
- Beater roll. S. Milne. 1,947,440; Feb. 13.
- Beater roll. H. T. Randall. 1,964,690; June 26.
- Beater system, Continuous. P. B. Lacy. 1,958,855; May 15.
- Beater washer. W. E. Dodge. 1,981,542; Nov. 20.
- Beauty appliance. E. Knauth. 1,963,237; June 19.
- Beauty box. L. Guild. Des. 91,818; Mar. 27.
- Beauty box. F. N. Lewis. 1,966,351; July 10.
- Beauty shop sign. J. B. and P. H. Ordin. Des. 94,159; Dec. 25.
- Bed. J. H. Bradley. 1,973,699; Sept. 18.
- Bed. G. W. Gail. 1,980,516; Nov. 13.
- Bed. R. B. Horner. 1,968,147; July 31.
- Bed. D. Kurkchee. Re19,272; Aug. 14.
- Bed. J. M. Lager. 1,972,712; Sept. 4.
- Bed. H. W. Lauterstein. 1,953,018; Mar. 27.
- Bed air conditioner. F. A. Whiteley. 1,971,631; Aug. 28.
- Bed and cylinder printing press. C. B. Cottrell. 1,951,900; Mar. 20.
- Bed attachment. S. D. Gardeski. 1,967,771; July 24.
- Bed attachment. W. H. Mathis. 1,959,728; May 22.
- Bed attachment, Invalid. F. P. Steele. 1,968,970; Aug. 7.
- Bed, Auto. R. Boyd. 1,983,119; Dec. 4.
- Bed, Automobile. H. T. Ratzlaff. 1,956,044; Apr. 24.
- Bed, Automobile. E. Wessman. 1,943,648; Jan. 16.
- Bed bottom. B. McIntosh. 1,970,387; Aug. 14.
- Bed bottom, Spring. L. C. Moeckel. 1,964,296; June 26.
- Bedclothes clamp. E. S. Halsey. 1,950,084; Mar. 6.
- Bedclothes holder. I. J. Matchett. 1,982,998; Dec. 4.
- Bed, Collapsible. R. K. Morse. 1,979,566; Nov. 6.
- Bed, Cooling. G. L. Fisk and E. T. Peterson. 1,954,123; Apr. 10.
- Bed couch. J. Martin. Des. 92,313; May 22.
- Bed cutting and creasing press, Flat. M. H. Sidebotham. 1,956,228; Apr. 24.
- Bed, Folding. A. Cohn. 1,965,370; July 3.
- Bed, Folding. C. E. Lindsey. 1,961,637; June 5.
- Bed, Folding. W. A. Moeller. 1,963,372; June 19.
- Bed, Folding. J. R. Thomas. 1,976,753; Oct. 16.
- Bed for automobiles. E. H. Crane. 1,962,388; June 12.
- Bed for automotive vehicles. T. Zeller. 1,981,212; Nov. 20.
- Bed, Hospital. A. Comper. 1,974,101-2; Sept. 18.
- Bed, Hospital or invalid. L. Beurschgens. 1,949,035; Feb. 27.
- Bed, Household pet's. L. Larson. 1,976,234; Oct. 9.
- Bed inclosure, Hot or cold. G. Albanese and H. E. Thompson. 1,958,983; May 15.
- Bed joint. W. Favreau. 1,955,909; Apr. 24.
- Bed lamp. W. Duncan. Des. 91,648; Mar. 6.
- Bed lamp. M. L. Flashman. 1,955,361; Apr. 17.
- Bed lift. F. T. Ridley. 1,981,666; Nov. 20.
- Bed pad. M. Jonassen. 1,970,754; Aug. 21.
- Bedpan. C. R. Malmberg. 1,978,468; Oct. 30.
- Bedpan. F. L. Shively. 1,954,684; Apr. 10.
- Bedpan equipment for mattresses. H. J. Wagner. 1,973,160; Sept. 11.
- Bed, Recess type wall. N. Sinclair. 1,945,826; Feb. 6.
- Bed, Roll-about foldable. G. F. Cane. 1,950,784; Mar. 13.
- Bed spring. S. R. W. Allen. 1,977,370; Oct. 16.
- Bed spring. A. Wesley. 1,962,855; June 12.
- Bedspring hoisting means. E. Umbach. 1,966,470; July 17.
- Bedspring rest, Adjustable. A. Meadows and S. S. Kaplan. 1,951,196; Mar. 13.
- Bed spring support. H. V. Johnston. 1,958,088; May 8.
- Bed structure. D. Hanauer. 1,953,479; Apr. 3.
- Bed. Twin. B. Levin. 1,954,360; Apr. 10.
- Bedding clamp. G. F. Cane. 1,948,841; Feb. 27.
- Bedding for poultry and animals and preparing same. W. F. Smith. 1,967,333; July 24.
- Bedding machine. B. G. Call. 1,949,861; Mar. 6.
- Bedstead. G. C. Cross. 1,954,283; Apr. 10.
- Bedstead. N. B. Geddes and F. R. Waite. Des. 92,898; July 31.
- Bedstead. N. B. Geddes and F. R. Waite. Des. 93,433-40; Oct. 2.
- Bedstead. L. H. Hounsfield. 1,982,165; Nov. 27.
- Beehive. J. B. Neil. 1,950,321; Mar. 6.
- Beehive construction. G. L. Killian. 1,985,543; Dec. 25.
- Beehive frame locking bar. R. E. Kouba. 1,968,405; July 31.
- Beehive frame spacer. A. I. Root. 1,943,773; Jan. 16.
- Beehive press. C. List. 1,945,861; Feb. 6.
- Beehives, Framing for. M. Girardin. 1,962,066; June 5.
- Beeswax substitutes and preparing the same. J. Labarthe, jr., and D. K. Tressler. 1,983,672; Dec. 11.
- Beef carcasses, Preventing distortion of. R. P. Lamont, jr. 1,948,269; Feb. 20.
- Beer and the like, Apparatus for dispensing. F. Schneible. 1,957,083; May 1.
- Beer coil cleaner. G. H. Watson. 1,964,235; June 26.
- Beer cooler. O. Weigelt. 1,981,014; Nov. 20.
- Beer cooling and dispensing apparatus. G. Fuchs and H. Späth. 1,969,643; Aug. 7.
- Beer cooling and dispensing apparatus. H. H. Harr. 1,946,691; Feb. 13.
- Beer dispensing device. E. F. Ross. 1,959,501; May 22.
- Beer regulating and cooling apparatus. G. Putz. 1,980,877; Nov. 13.
- Beet harvester machine. D. F. Hall and W. A. Morkert. 1,978,672; Oct. 30.
- Beet-sampling apparatus. C. H. Ninegar. 1,956,874; May 1.
- Beet topper. R. O. Hatch. 1,978,133; Oct. 23.
- Beet topper. J. J. Sands. 1,951,444; Mar. 20.
- Beet topper, Hand. F. S. Hill. 1,971,611; Aug. 28.
- Beetle trap. J. J. Brooke. 1,971,367; Aug. 28.
- Bell and bottle cap remover, Combination. T. Harding. Des. 91,778; Mar. 20.
- Bell and spigot pipe connection. M. A. Milling. 1,958,063; May 8.
- Bell, Blast furnace. K. F. Juengling. 1,952,712; Mar. 27.
- Bell, Electric. E. Cardone. 1,983,068; Dec. 4.
- Bell, Electric. N. Franco. 1,958,964; May 15.
- Bell ringing device for locomotives. L. E. Faulkner. 1,980,260; Nov. 13.
- Bell ringing mechanism. R. A. Light and J. W. Price, jr. 1,942,360; Jan. 2.
- Bell ringing mechanism for toys. W. W. Kelch, E. J. Opie, and F. C. Ziesenheim. 1,956,954; May 1.
- Bell, Welding. C. R. Bumbaugh. 1,973,680; Sept. 11.
- Belly roller and side splitting machine. F. J. Coad. 1,973,695; Sept. 18.
- Belt. R. S. Carter and H. G. Dick. 1,981,644; Nov. 20.
- Belt. G. F. De Wein, W. D. Eakin, and P. C. McNulty. 1,970,509; Aug. 14.
- Belt. J. H. Matthews. 1,952,934; Mar. 27.
- Belt. R. Muller. 1,963,309; June 19.
- Belt. D. Repony and J. H. Matthews. 1,978,912; Oct. 30.
- Belt. M. Sachs. Des. 92,826; July 17.
- Belt, Abdominal. D. Becker. 1,967,003; July 17.
- Belt and making it, Flexible. D. Heyer. 1,982,869; Dec. 4.
- Belt and making same, Endless. C. P. Schlegel. 1,967,102; July 17.
- Belt and method and apparatus for making the same, Transmission. S. Sadler. 1,958,069; May 8.
- Belt and other leather article, Ornamental leather. E. S. Mix. 1,950,257; Mar. 6.
- Belt and shoe, Traction. F. H. Lamb. 1,970,756; Aug. 21.
- Belt and strap tightener, Automatically secured. M. Graf. 1,955,542; Apr. 17.
- Belt and suspenders, Combined elastic. L. F. Palkens. 1,983,636; Dec. 11.
- Belt, Apparel. S. Stein. Des. 92,045; Apr. 17.
- Belt centering mechanism. E. F. Muller. 1,973,095; Sept. 11.
- Belt clamp. E. O. Burling. 1,958,531; May 15.
- Belt cleaner. A. D. Shinden. 1,975,591; Oct. 2.
- Belt, Cone. C. C. Gates. 1,969,792; Aug. 14.
- Belt, Conveyor. T. E. Buckner. 1,962,980; June 12.
- Belt, Conveyor. R. S. Carter. 1,948,332; Feb. 20.
- Belt conveyor. E. J. Crossen. 1,970,842; Aug. 21.
- Belt dressing. J. A. Webb. 1,958,220; May 8.

- Belt drive. T. G. Nyborg. 1,944,296; Jan. 23.
 Belt fastener. H. Koester. 1,968,893; Aug. 7.
 Belt fastener. J. C. Olsen. 1,970,618; Aug. 21.
 Belt, Finishing. M. W. White. 1,956,816; May 1.
 Belt for cigarette machines, Two-speed collector. W. B. Bronander. Re19,375; Nov. 20.
 Belt for nurses' uniforms, Fitted. N. and F. Canady. 1,950,045; Mar. 6.
 Belt for personal wear. M. Sachs. Des. 92,022-31; Apr. 17.
 Belt for personal wear, Compass. E. S. Mix. 1,961,067; May 29.
 Belt for tractors, Traction. R. T. Osman. 1,943,141; Jan. 9.
 Belt front, Apparel. W. Forstner. Des. 91,423; Jan. 30.
 Belt, Garment supporting. M. Luftig. 1,962,780; June 12.
 Belt, Hernia. W. R. Greenfield. 1,953,347; Apr. 3.
 Belt joint. W. S. Howe. 1,960,193; May 22.
 Belt joints, Apparatus for punching. A. Hertel. 1,956,443; Apr. 24.
 Belt, Life saving or bathing. P. L. Drosnes. 1,967,928; July 24.
 Belt, Link. J. K. Diamond. 1,945,138; Jan. 30.
 Belt loop. C. A. Mann. 1,951,098; Mar. 13.
 Belt measuring machine. C. C. Gates. 1,955,581; Apr. 17.
 Belt mechanism for tractors, Supplemental tread. G. T. Ronk. 1,952,894; Mar. 27.
 Belt or chain for internal combustion motors or the like, Transmission. M. Cousin. 1,975,502; Oct. 2.
 Belt or the like for personal wear. E. S. Mix. 1,973,646; Sept. 11.
 Belt, Power transmission. L. H. and G. W. Gilmer. 1,976,015; Oct. 9.
 Belt press. J. C. Graf. 1,968,826; Aug. 7.
 Belt, Printing. W. P. Shomaker. 1,974,369; Sept. 18.
 Belt, Safety. J. Diez. 1,967,767; July 24.
 Belt, Safety. H. W. Irwin. 1,971,264; Aug. 21.
 Belt, Safety. G. McMullen. 1,971,571; Aug. 28.
 Belt sander. D. Turcott. 1,949,700; Mar. 6.
 Belt, Surgical. C. M. Judd. 1,951,937; Mar. 20.
 Belt, Surgical. A. B. Kendrick. 1,974,283; Sept. 18.
 Belt, Swimmer's. H. P. Backs. Des. 93,645; Oct. 23.
 Belt-tensioning device, Automatic. G. T. Pfeiffer. 1,960,506; May 29.
 Belt tightener. C. H. Haggood. 1,982,299; Nov. 27.
 Belt, Traction. D. S. Kennedy. 1,942,337-8; Jan. 2.
 Belt vulcanizing apparatus. J. C. Heintz. 1,949,275; Feb. 27.
 Belt, Web cartridge. S. L. Howard. 1,968,767; July 31.
 Belt, Woven wire conveyor. H. A. Wadman. Re19,074; Feb. 13.
 Belting. E. A. Goetter. 1,964,510; June 26.
 Belting and making the same, Rubberized. J. M. Bierer and T. M. Knowland. 1,967,142; July 17.
 Belting for waist belts or similar article, Leather. E. O. Peabody. Des. 91,495; Feb. 13.
 Belts, Cementing. G. A. Schieren. 1,971,697; Aug. 28.
 Belts for vulcanizing machines, Presser. E. Schrader, H. Windhorn, and H. Meyer. 1,956,545; Apr. 24.
 Belts, Making tubular. W. Daniel. 1,982,467; Nov. 27.
 Belts, Manufacture of rubber. W. T. Arnberg. 1,977,108; Oct. 16.
 Belts, Manufacturing wire cloth. J. R. Buchanan and T. M. Cray. 1,979,063; Oct. 30.
 Belts, Method of and apparatus for making. C. A. Ball. 1,943,409; Jan. 16.
 Belts, Method of and apparatus for making. W. B. Freeman. 1,969,067; Aug. 7.
 Bench, Cushioned push. H. Heetkamp. 1,959,425; May 22.
 Bench dog. C. J. Symmonds. 1,943,352; Jan. 16.
 Bench dog. C. J. Symmonds. 1,981,882; Nov. 27.
 Bench guide, Push. S. Smith. 1,979,579; Nov. 6.
 Bench, Knockdown portable. J. H. Bonnet. 1,950,593; Mar. 13.
 Bench, locker, and sunshade, Combined bench. C. A. Frost. 1,946,137; Feb. 6.
 Bench, Push. W. Martin. 1,960,388; May 29.
 Bench sander, Portable. H. L. Myers. 1,968,257; July 31.
 Bench, Tile greenhouse. H. T. Ritter. 1,976,858; Oct. 16.
 Bench, Work. R. C. Dreier. 1,960,181; May 22.
 "Ben Day" Tones, Photographically producing. F. E. Marsh. 1,957,970; May 8.
 Bender. J. H. Abramson and E. C. Swanson. 1,964,550; June 26.
 Bending device. E. P. Taylor. 1,967,162; July 17.
 Bending device for metallic tubes and the like. A. Hossfeld. 1,968,645; July 31.
 Bending machine. J. F. Fischer. 1,970,694; Aug. 21.
 Bending machine. G. A. Hoerner. 1,982,164; Nov. 27.
 Bending machine. F. H. Meyer. 1,948,474; Feb. 20.
 Bending machine. J. H. Odenbach and J. Cattanaach. 1,970,182; Aug. 14.
 Bending machine. C. M. Yoder. 1,943,407; Jan. 16.
 Benzanthrene, Manufacture of. C. Wulff, E. Roell, and A. Krause. 1,964,376; June 26.
 Benzanthrone-1-aldehyde and making same. O. Bayer. 1,946,829; Feb. 13.
 Benzanthrone-selenium compound, Manufacture of. M. A. Perkins. 1,965,855; July 10.
 Benzene, Preparing ortho-dihydroxy. F. B. Downing and R. G. Clarkson. 1,970,364; Aug. 14.
 Benzene, Production of 1,3,5-trimethyl. H. Dohse and C. Schuster. 1,977,178; Oct. 16.
 Benzenes, Producing ortho-dihydroxy. F. B. Downing and R. G. Clarkson. 1,970,363; Aug. 14.
 Benzenes, Production of ortho-dihydroxy. F. B. Downing and R. G. Clarkson. 1,969,732; Aug. 14.
 Benzenes, Tertiary alkyl substituted orthodihydroxy. L. E. Mills and B. L. Fayerweather. 1,942,827; Jan. 9.
 Benzidine and other arylamines, Making. C. F. Booth. 1,954,469; Apr. 10.
 Benzo-carbazole-carboxylic acid and preparing it, Substituted. G. Kalischer, O. Limpach, and K. Hager. 1,948,923; Feb. 27.
 Benzole anhydride, Manufacture of. M. N. Dvornikoff. 1,948,342; Feb. 20.
 Benzol and its homologues from solvents, Recovery. H. Schöneborn. 1,980,009; Nov. 6.
 Benzols washed with acid, Apparatus for the final refining of. E. A. Barbet. 1,979,185; Oct. 30.
 Berry box. W. F. Daley. 1,980,667; Nov. 13.
 Berry box. W. F. Newhouse. 1,960,391; May 29.
 Berry box cover. H. C. Atkins. 1,956,819; May 1.
 Berth chair, Convertible. J. A. Seitz. 1,964,187; June 26.
 Berth, Folding. E. B. Woller. 1,945,875; Feb. 6.
 Beryllium alloy. G. Masing and O. Dahl. 1,975,112; Oct. 2.
 Beryllium alloys, Obtaining heavy-metal. E. Pokorny. 1,949,082; Feb. 27.
 Beryllium-aluminum alloy and heat treating the same. J. K. Smith. 1,976,375; Oct. 9.
 Beryllium and light alloys thereof, Making. L. Burgess. 1,980,378; Nov. 13.
 Beryllium compounds, Preparation of pure. W. Zisch and G. Jaeger. 1,960,371; July 10.
 Beryllium fluoride from a double fluoride of beryllium and of an alkali metal, Preparation of. M. Beja. 1,960,986; May 29.
 Beryllium fluoride, Producing. R. Schulze and W. Brause. 1,975,482; Oct. 2.
 β - γ -hydroxypropyloxyalkylamino benzenes and the γ -alkyl esters thereof. H. Lange. 1,980,538; Nov. 13.
 Beta lactose, Producing. G. C. Supplee and G. E. Flanagan. 1,954,602; Apr. 10.
 Bevel gauge. H. Ahola. 1,947,448; Feb. 20.
 Beverage brewing device. S. A. Haines. 1,952,752; Mar. 27.
 Beverage container. J. M. and W. G. Schilling. Des. 94,053; Dec. 11.
 Beverage cooler. A. F. Bodine. 1,979,219; Oct. 30.
 Beverage cooler. W. D. Bost. Des. 93,266; Sept. 11.
 Beverage cooler. T. J. Fegley. Des. 91,863; Apr. 3.
 Beverage cooler. J. D. Lear. 1,965,553; July 3.
 Beverage cooler. L. C. Smith. 1,962,621; June 12.
 Beverage cooling and dispensing apparatus. K. M. Burdge. 1,979,604; Nov. 6.
 Beverage cooling and dispensing equipment. J. O. Matteson, J. Ehrenpreis, C. W. Brown, and R. H. Guyton. 1,978,588; Oct. 30.
 Beverage cooling and dispensing system. T. Peak. 1,952,278; Mar. 27.
 Beverage cooling apparatus. W. D. Bost. 1,965,877; July 10.
 Beverage cooling apparatus. A. Landgrebe. 1,951,285; Mar. 13.
 Beverage cooling apparatus. D. F. Newman. 1,984,149; Dec. 11.
 Beverage cooling device. M. B. Solomon. 1,954,370; Apr. 10.
 Beverage dispenser. C. A. Geddes. 1,953,161; Apr. 3.
 Beverage dispenser. C. A. Geddes. 1,953,162-4; Apr. 3.
 Beverage dispenser. C. A. Geddes. 1,965,833; July 10.
 Beverage dispenser. S. Jacobs. Des. 94,032; Dec. 11.
 Beverage dispenser. A. E. Rourke. Des. 91,331; Jan. 9.
 Beverage dispenser. N. C. Stilwell. Des. 92,986; Aug. 7.
 Beverage dispensing apparatus. E. Freund. 1,963,784; June 19.
 Beverage dispensing machine. R. L. Rogers, jr. 1,944,811; Jan. 23.
 Beverage displaying, refrigerating, conditioning, and dispensing machine. R. H. Downer. 1,954,518; Apr. 10.
 Beverage maker and method. O. Thieme. 1,984,047; Dec. 11.
 Beverage product, Flaked cereal. R. B. McKinnis. 1,956,427; Apr. 24.
 Beverage refrigerating system. M. Alex. 1,955,723; Apr. 24.
 Beverage set. E. Kanter. Des. 92,312; May 22.
 Beverage vending machine. R. L. Rogers. 1,944,809; Jan. 23.
 Beverage-water heater. L. B. Green. 1,971,154; Aug. 21.
 Beverages and beverage materials and the preparation thereof. J. W. Stevens. 1,955,864; Apr. 24.
 Beverages and frozen confections, Method of and device for producing ornamented. P. S. Allen. 1,949,772; Mar. 6.
 Beverages and the like, Method and apparatus for cooling. M. Alex. 1,955,724; Apr. 24.
 Beverages and the like, Method and apparatus for dispensing gas containing. E. Charnat. 1,979,605; Nov. 6.
 Beverages, Apparatus for carbonating. O. P. Dietzel and E. Ruben. 1,967,553; July 24.
 Beverages, Apparatus for cooling. F. Schneible. 1,957,081; May 1.
 Beverages, Apparatus for cooling. L. C. Smith. 1,980,945; Nov. 13.
 Beverages, Making malt. T. Whittam. 1,943,943; Jan. 16.

- Beverages, Preparing means for mellowing. I. H. Pritchett. 1,976,091; Oct. 9.
- Bias cutting and wind-up apparatus. P. Gardner and H. Gerstein. 1,955,282; Apr. 17.
- Bias cutting machine. P. Gardner and H. Gerstein. 1,955,281; Apr. 17.
- Bias cutting machine. S. O. Vennewitz. 1,967,486; July 24.
- Bib. J. F. Hall. 1,963,130; June 19.
- Bib. R. W. Reagan. 1,980,436; Nov. 13.
- Bicycle. A. Ely. Des. 92,008; Aug. 14.
- Bicycle. D. V. McIlwain. 1,981,737; Nov. 20.
- Bicycle. O. E. Stutsman and G. L. Becker. Des. 92,777; July 10.
- Bicycle and luggage carrier attachment or the like, Combined. G. W. Clark. Des. 92,523; June 19.
- Bicycle, Child's. J. R. Smith. 1,978,653; Oct. 30.
- Bicycle frame. G. W. Clark. 1,977,470; Oct. 16.
- Bicycle lock. J. F. Dacosta. 1,967,926; July 24.
- Bicycle pedal mechanism. B. M. Lofquist and S. J. Olson. 1,977,235-6; Oct. 16.
- Bicycle stand. B. Cohen. 1,984,299; Dec. 11.
- Bidet. C. C. Campus. 1,960,839; May 29.
- Bile acid amides and their preparation. A. Stoll and A. Binkert. 1,983,414; Dec. 4.
- Billfold. P. A. Gardner. 1,945,188; Jan. 30.
- Billfold. P. A. Gardner, jr. 1,964,460-1; June 26.
- Billfold. P. A. Gardner, jr. 1,972,295; Sept. 4.
- Billfold. P. A. Gardner, jr. 1,983,847; Dec. 11.
- Billfold. B. A. Leue. Des. 93,414; Sept. 25.
- Billfold. J. P. Wege. Des. 93,902; Nov. 20.
- Billfold case. J. P. Wege. 1,960,294; May 29.
- Bill fold or receptacle. P. A. Gardner, jr. 1,942,473; Jan. 9.
- Bill printing and addressing machine. H. P. Elliott. 1,985,244; Dec. 25.
- Bill printing and addressing machine. H. P. Elliott. 1,985,247; Dec. 25.
- Bill printing machine. E. C. Hartley. 1,955,806; Apr. 24.
- Bill printing machine. C. K. Kranz. 1,955,814; Apr. 24.
- Bill, Portable. P. R. Lempe. 1,976,852; Oct. 16.
- Billing machine. G. F. Daly and J. E. Dayger. 1,954,041; Apr. 10.
- Billing machine. F. E. Pfeiffer. 1,966,682; July 17.
- Billet peeler. F. Dustan. 1,973,801; Sept. 18.
- Billets, Apparatus for casting. F. C. Elder. 1,945,887; Feb. 6.
- Billiard chalk holder. J. O. Matteson. 1,957,549; May 8.
- Billiard cue. J. L. Cassady. 1,951,546; Mar. 20.
- Billiard table. R. E. Linero. 1,973,492; Sept. 11.
- Bimetal strips for bearing sleeves, Forming. B. Stockfleth and G. L. Sherwood. 1,943,351; Jan. 16.
- Bimetallic articles, Making. D. Pryde. 1,959,925; May 22.
- Bimetallic element. H. D. Matthews. 1,948,121; Feb. 20.
- Bimetallic element. H. D. Matthews. 1,985,181; Dec. 18.
- Bimetallic spring. A. R. Stargardter. 1,977,458; Oct. 16.
- Bimetallic stock, Making. G. W. Burr. 1,944,215; Jan. 23.
- Bimetallic strips, Method of and apparatus for producing. J. V. O. Palm and G. S. Salzman. 1,956,471; Apr. 24.
- Bin and removing material therefrom. W. H. Klein. 1,954,703; Apr. 10.
- Bin, Grain. A. A. Kramer. 1,977,389; Oct. 16.
- Bin, Grain. A. A. Kramer. 1,977,391; Oct. 16.
- Bin, Rotary. W. de Back. 1,961,479; June 5.
- Bin, Storage. A. J. Sackett. 1,960,797; May 29.
- Bin structure, Ventilated. F. J. Kreutzer. 1,981,422; Nov. 20.
- Binder. W. A. Gordon and D. J. O'Neil. 1,942,547; Jan. 9.
- Binder. S. Herman. 1,957,959; May 8.
- Binder. G. W. Hopkins. 1,964,851; July 3.
- Binder. J. M. Nichols. 1,979,900; Nov. 6.
- Binder. L. E. Shipman. 1,985,583; Dec. 25.
- Binder. E. E. Usher. 1,944,620; Jan. 23.
- Binder. R. R. Webb. 1,959,651; May 22.
- Binder and reading stand, Combined loose-leaf. P. O. Unger. 1,979,814; Nov. 6.
- Binder appliance, Loose leaf. A. G. Lotter. 1,942,716; Jan. 9.
- Binder clip. J. M. Mainwaring. 1,965,554; July 3.
- Binder feed for cigar machines, Automatic. J. F. Halstead. 1,984,795; Dec. 18.
- Binder for a removable book cover. R. J. Fischer. 1,958,990; May 15.
- Binder, Load. G. R. Juline. 1,972,346; Sept. 4.
- Binder, Loom. V. Lindsjo. 1,956,076; Apr. 24.
- Binder, Loose leaf. G. D. Arend. 1,953,902; Apr. 3.
- Binder, Loose leaf. F. C. Bingham. 1,975,707; Oct. 2.
- Binder, Loose leaf. E. F. Buenger and F. D. Wedge. 1,957,039; May 1.
- Binder, Loose leaf. H. D. Cottrell. 1,973,796; Sept. 18.
- Binder, Loose leaf. H. L. Cowden. 1,985,534; Dec. 25.
- Binder, Loose leaf. G. H. Dawson and P. O. Unger. 1,958,568; May 15.
- Binder, Loose-leaf. J. C. Dawson. 1,959,858; May 22.
- Binder, Loose-leaf. J. C. Dawson. 1,964,252; June 26.
- Binder, Loose leaf. S. B. Frelberg. 1,945,970; Feb. 6.
- Binder, Loose leaf. E. L. Krag. 1,984,376; Dec. 18.
- Binder, Loose leaf. A. G. Lotter. 1,968,607; July 31.
- Binder, Loose leaf. A. G. Lotter. 1,973,174; Sept. 11.
- Binder, Loose leaf. A. G. Lotter. 1,979,950; Nov. 6.
- Binder, Loose leaf. E. T. Lundeen and G. Audrey. 1,978,383; Oct. 23.
- Binder, Loose leaf. H. F. Morehead. 1,942,564; Jan. 9.
- Binder, Loose leaf. C. E. Morehouse. 1,978,352; Oct. 23.
- Binder, Loose leaf. C. E. Morehouse. 1,984,314; Dec. 11.
- Binder, Loose leaf. W. O. Morgan. 1,973,497; Sept. 11.
- Binder, Loose leaf. J. R. Newland. 1,976,245; Oct. 9.
- Binder, Loose-leaf. A. Prache. 1,963,447; June 19.
- Binder, Loose leaf. J. R. Ritzinger. 1,960,280; May 29.
- Binder, Loose-leaf. J. Schade. 1,954,265; Apr. 10.
- Binder, Loose leaf. J. Schade. 1,954,494; Apr. 10.
- Binder, Loose leaf. J. Schade. 1,974,754; Sept. 25.
- Binder, Loose leaf. B. Schlosser and P. O. Unger. 1,977,897; Oct. 23.
- Binder, Loose leaf. W. J. Steenrod. 1,976,198; Oct. 9.
- Binder, Loose leaf. C. D. Trussell. 1,953,981; Apr. 10.
- Binder, Loose-leaf. P. O. Unger. 1,964,608; June 26.
- Binder, Loose leaf. P. O. Unger. 1,973,186; Sept. 11.
- Binder, Loose leaf. M. Vernon. 1,945,007; Jan. 30.
- Binder, Loose-leaf. R. M. Watson. 1,943,465; Jan. 16.
- Binder, Loose leaf. N. S. Welk. 1,958,932; May 15.
- Binder, Loose leaf shift. W. E. Haskin. 1,976,666; Oct. 9.
- Binder mechanism. R. M. Watson. 1,943,603; Feb. 27.
- Binder or loose sheet holder, Temporary. L. H. Kai. 1,950,985; Mar. 13.
- Binder, Package. S. A. Peck. 1,953,310; Apr. 3.
- Binder packer arm and pitman. J. Hohmann. 1,942,335; Jan. 2.
- Binder, Pamphlet. H. R. McCleary. 1,958,058; May 8.
- Binder, Post. C. H. and F. H. Fischer. 1,942,595; Jan. 9.
- Binder, Sample. C. L. Williams. 1,978,926; Oct. 30.
- Binder, Screw and rivet-lock cinch. G. R. Anderson. 1,973,789; Sept. 18.
- Binder with mineral wool, Method and apparatus for commingling. O. F. Mottweiler. 1,969,519; Aug. 7.
- Binders, Load. J. H. Johnson. 1,950,923; Mar. 13.
- Binding agents containing bituminous components, Manufacturing pulverulent hydraulic. A. Sommer. 1,975,485; Oct. 2.
- Binding arrangement. R. M. L. Douvry. 1,970,285; Aug. 14.
- Binding composition. G. F. Kennedy and J. N. Borglin. 1,978,948; Oct. 30.
- Binding for stacks of paper or the like. S. Groener. 1,985,776; Dec. 25.
- Binding machine, Automatic. C. Tremoureux. 1,967,566; July 24.
- Binding post. G. F. Harter. 1,945,857; Feb. 6.
- Binding post. W. H. B. Lavarack. 1,948,470; Feb. 20.
- Binding post. F. Zabach. 1,965,401; July 3.
- Binding. Ski. A. Attenhofer. 1,964,103; June 26.
- Binding. Ski. H. E. Dodds. 1,976,335; Oct. 9.
- Binding. Ski. F. G. Tappé. 1,975,299; Oct. 2.
- Binding strip for use in the construction of cases, boxes, crates, or the like containers of timber or the like. H. N. J. Kruse. 1,960,638; May 29.
- Binding strip, Road surfacing. C. F. Green. 1,950,299; Mar. 6.
- Binding strips for boxes, crates, and the like, Producing. W. Wakefield. 1,942,735; Jan. 9.
- Binding, Temporary. C. Caise. 1,967,143; July 17.
- Binocular. V. C. Boydston. 1,967,738; July 24.
- Binocular. A. Warmisham. 1,965,755; July 10.
- Binocular. G. L. Mandaville. 1,949,022; Feb. 27.
- Biological product and producing the same. R. W. Terry. 1,979,421; Nov. 6.
- Biprism for spectroscopes. A. Sonnefeld. 1,961,601; June 5.
- Bird bath. H. G. Hoefler. Des. 92,308; May 22.
- Bird feeder. A. A. Proctor. Des. 92,107; Apr. 24.
- Bird house. F. H. Klie. Des. 91,949; Apr. 10.
- Birthing setting, Zodiac combination. B. E. Zabriski. 1,959,145; May 15.
- Biscuit cutter or the like machine. W. Monks. 1,960,416; May 29.
- Bismuth, and preparing, packaging, and using it, Colloidal metallic. W. G. Christiansen, A. E. Jurist, and E. Moness. 1,976,920; Oct. 16.
- Bit—See—
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| Coal auger bit. | Rotary drill bit. |
| Collapsible bit. | Rotary drilling bit. |
| Detachable bit. | Router bit. |
| Drill bit. | Three-cone bit. |
| Renewable rotary bit. | Well bit. |
| Roller bit. | Well drilling bit. |
| Rotary bit. | |
- Bit. J. C. Wright. 1,978,006; Oct. 23.
- Bit and its manufacture, Well drilling. R. O. Pickin. 1,973,657; Sept. 11.
- Bit for cable tool drilling, Swiveled drill. E. S. Sloan. 1,957,476; May 8.
- Bit for drills. A. Pope. 1,950,513; Mar. 13.
- Bit for horses. J. B. Freysinger. 1,956,861; May 1.
- Bitumen to a concrete foundation, Applying. L. G. Gabriel and J. F. Blott. 1,953,294; Apr. 3.
- Bitumen, Treated. O. R. Douthett. 1,979,677; Nov. 6.
- Bitumen, Treating. O. R. Douthett. 1,979,676; Nov. 6.
- Bituminous and other mixtures, Method and apparatus for testing. H. L. Howe. 1,979,267; Nov. 6.
- Bituminous dispersions and making same, Aqueous. Z. C. Loebel. 1,960,115; May 22.
- Bituminous emulsions, Preparation of. D. N. Myers. 1,957,051; May 1.
- Bituminous emulsions, Preparing. E. Hutzenlaub. 1,957,408; May 1.
- Bituminous material, Coking. E. O. Rhodes. 1,942,978; Jan. 9.

- Bituminous material, Coking liquid or liquefiable. E. O. Rhodes. 1,942,980; Jan. 9.
- Bituminous materials and hydrocarbon oils, Treating. G. Egloff. 1,954,866; Apr. 17.
- Bituminous materials, Apparatus for carbonizing. A. J. Mason. 1,978,139; Oct. 23.
- Bituminous paint and making the same. S. W. Sparks. 1,945,869; Feb. 6.
- Bituminous road material, Reclaiming. N. H. Taylor. 1,960,463; May 29.
- Bituminous schists, Apparatus for the distillation of. R. Petit. 1,944,647; Jan. 23.
- Blackboard. J. F. Johnson and R. B. Lawton. 1,958,579; May 15.
- Blackboard. F. Weiler and W. A. Ferguson. Des. 91,287; Jan. 2.
- Blackboard surfaces, Forming. J. F. Johnson and R. B. Lawton. 1,956,220; Apr. 24.
- Blackboards, Attachment for. H. L. Smith and L. N. Neulen. 1,984,845; Dec. 18.
- Blacking machine. H. L. Chapin. 1,971,478; Aug. 28.
- Blade and mounting, Wiper. E. C. Horton and H. Hueber. 1,946,073; Feb. 6.
- Blade attachment for surgeons' forceps, Cutting and shaving. W. L. Nicholls. 1,968,160; July 31.
- Blade cutter, Cross locked inserted. O. Severson. 1,962,725; June 12.
- Blade cutter, Step locked inserted. R. R. Weddell. 1,962,162; June 12.
- Blade for aircraft rotors, Sustaining. A. E. Larsen. 1,950,411; Mar. 13.
- Blade for rotary pumps. B. M. Staley. 1,943,561; Jan. 16.
- Blade frame and blade assembly for slicing machines. W. E. Bettendorf. 1,968,021; July 31.
- Blade frame assembly for slicing machines. W. E. Bettendorf. 1,968,020-1; July 31.
- Blade guide. I. C. Gellman. 1,951,606; Mar. 20.
- Blade holder. C. Rubsert. 1,951,110; Mar. 13.
- Blade, Mixing, kneading, and shredding. H. B. Vollrath. 1,953,733; Apr. 3.
- Blade retention device. W. J. Blanchard. 1,951,321; Mar. 13.
- Blade sharpening device. L. A. Jessen. 1,969,611; Aug. 7.
- Blade strip and making the same. T. H. Frost. 1,942,025; Jan. 2.
- Blading for centrifugal impellers or turbines. R. Birman. 1,959,703; May 22.
- Blanching. W. E. Nicholoy. 1,976,801; Oct. 16.
- Blanching machine. D. B. Benham. 1,970,540; Aug. 21.
- Blank-creasing machine. G. W. Swift, jr. 1,950,636; Mar. 13.
- Blank feed control mechanism. H. A. Kessler. 1,949,966; Mar. 6.
- Blank feeder. F. M. Joslin. 1,945,903; Feb. 6.
- Blank feeder. E. G. Staude. 1,948,362; Feb. 20.
- Blank-feeding machine. G. W. Swift, jr. 1,948,142; Feb. 20.
- Blank feeding mechanism. G. A. Robinson. 1,956,475; Apr. 24.
- Blank-making. C. D. Knowlton. 1,969,849; Aug. 14.
- Blank or unit for making dental plate. W. A. Voigt. 1,976,153; Oct. 9.
- Blank stock. H. W. Lyons. 1,983,040; Dec. 4.
- Blanks for files and the like, Forming hollow. E. Furler. 1,985,158; Dec. 18.
- Blanks, Formation of recording. E. M. Patterson and A. D. Shaw. 1,960,025; May 22.
- Blanket. J. L. Kyle. Des. 91,488; Feb. 13.
- Blanket-attaching device for rotary printing machines. G. S. Rowell. 1,967,266; July 24.
- Blanket for concrete. E. H. Angier. 1,965,111; July 3.
- Blasting and dynamiting. E. Karollus. 1,974,281; Sept. 18.
- Blasting cap. W. D. Crater. 1,951,595; Mar. 20.
- Blasting cap crimping device, Automatic. J. F. Wiggert. 1,949,822; Mar. 6.
- Blasting cap, Electric. W. E. Kirst, H. A. Lewis, and J. L. Ver Bryck. 1,975,608; Oct. 2.
- Blasting cap package and forming the same, Electric. D. M. McFarland. 1,983,141; Dec. 4.
- Blasting machine. L. D. Peik. 1,953,566; Apr. 3.
- Bleacher, Folding. R. E. Sherlock. 1,952,611; Mar. 27.
- Bleaching. H. Baier. 1,966,915; July 17.
- Bleaching agent and preparing bleached bread dough. L. W. Haas. 1,957,334; May 1.
- Bleaching agent and utilizing the same for bleaching flour. L. W. Haas and R. M. Bohn. 1,957,333; May 1.
- Bleaching agent for flour and utilizing same in making bread. L. W. Haas and R. M. Bohn. 1,957,336; May 1.
- Bleaching agent for flour dough and preparing bleached dough for white bread. L. W. Haas. 1,957,335; May 1.
- Bleaching powder, Making. E. T. Ladd. 1,966,631; July 17.
- Bleaching powder, Manufacture of. H. Reitz. 1,969,236; Aug. 7.
- Bleaching powder. Producing stable. A. Remelé. 1,945,913; Feb. 6.
- Bleaching process. J. Campbell and L. O. Rolleston. 1,957,938; May 8.
- Bleaching wood pulps and an apparatus for carrying out said process. D. B. Davies. 1,968,994; Aug. 7.
- Bleeding and defibrinating apparatus. J. W. Marrinan. 1,973,990; Sept. 18.
- Blind, Ascending window. T. A. Robinson and J. J. McGetrick. 1,956,202; Apr. 24.
- Blind construction, Venetian. P. H. Kuyper. 1,957,272; May 1.
- Blind operating mechanism, Venetian. J. W. Dunn. 1,941,830; Jan. 2.
- Blind, Spring roller Venetian. M. L. Kesner. 1,951,659; Mar. 20.
- Blind, Venetian. H. Moore. 1,949,653; Mar. 6.
- Block: See—
- Abrading block. Pillow block.
- Adjustable hat block. Pivot block.
- Building block. Plate glass polishing block.
- Chock block. Precast construction block.
- Concrete block. Pulley block.
- Duplicating block. Raggle block.
- Electrical connector block. Resilient block.
- Engine cylinder block. Safety block.
- Fuse block. Switch block.
- Ground base block. Switchboard terminal block.
- Hollow tile block. Terminal block.
- Impregnated fibrous block. Test block.
- Interlocking partition block. Toy building block.
- Loading block. Toy designing block.
- Note-block. Undertaker's block.
- Block building construction, Molded. J. and V. A. Masiello. 1,973,088; Sept. 11.
- Block equipped with a lifting strap, Molding a concrete. J. W. Lowell. 1,970,860; Aug. 21.
- Block feeder for match machines. T. A. Palmer and J. W. Denmead. 1,963,865; June 19.
- Block for air cooled engines, Multicylinder. C. S. Brown. 1,964,106; June 26.
- Block hook. W. C. Burnham. 1,985,596; Dec. 25.
- Block signaling system, Automatic. K. Meyer. 1,953,718; Apr. 3.
- Block signaling system for railways. C. König. 1,970,176; Aug. 14.
- Blocking arrangement in electric signaling systems. T. Laurent. 1,958,167; May 8.
- Blocks and articles made thereby, Process of and machine for making concrete. L. E. Morse. 1,970,245; Aug. 14.
- Blocks for printing, Apparatus for kerfing. E. F. Tretbar, jr. 1,985,302; Dec. 25.
- Blocks, Formation or production of. J. Damianik. 1,969,729; Aug. 14.
- Blocks, Forming mineral feed. G. F. Pfeiffer. 1,960,548; May 29.
- Blocks of metal, Casting. E. Roth. 1,956,910; May 1.
- Blocks of plastic material and apparatus therefor, Making. H. Brooke, G. E. Conway, and H. C. Parker. 1,977,374; Oct. 16.
- Blocks, tiles, and bricks, Manufacturing hollow building. T. Koidl. 1,979,626; Nov. 6.
- Blood pressure, Apparatus for determining. B. F. Corwin. 1,953,466; Apr. 3.
- Blood pressure registering machine. J. F. Parker, jr., and J. L. Parker. 1,946,985; Feb. 13.
- Blood transfusion apparatus. S. Meeker. 1,973,351; Sept. 11.
- Bloom agents, Manufacture of green. H. G. Smith. 1,944,851; Jan. 23.
- Blouse. B. Kotzen. Des. 92,255-6; May 15.
- Blouse. B. Kotzen. Des. 92,410-11; June 5.
- Blouse. I. Kraunz. Des. 93,229; Sept. 4.
- Blouse. I. Kraunz. Des. 93,725; Oct. 30.
- Blouse. W. Netzky. Des. 93,942; Nov. 27.
- Blouse. M. Presslaff and I. H. Bernstein. Des. 92,152; May 1.
- Blouse. R. Ross. Des. 92,269; May 15.
- Blower blade, Rotary. W. Van Rijswijk. 1,983,201; Dec. 4.
- Blower, Pipe and tube. G. T. Church and T. B. Boyd. 1,982,590; Nov. 27.
- Blower, Soot. C. A. A. Westerberg. 1,984,295; Dec. 11.
- Blowgun. D. G. Re Vley and J. E. Hirsh. 1,943,187; Jan. 9.
- Blow-off valve. A. P. Elten. 1,947,409; Feb. 13.
- Blow-off valve. F. M. Patterson. 1,951,037; Mar. 13.
- Blowout chamber with insulating grids. A. Clerc. 1,967,989; July 24.
- Blow-out preventer. J. D. Nixon. 1,960,592; May 29.
- Blowout preventer and support. J. R. Martin. 1,967,417; July 24.
- Blow-out preventer, Automatic. F. W. Hild. 1,968,297; July 31.
- Blow-out preventer for use in oil well drilling, Automatic double acting. C. A. Dailey and J. V. Box. 1,978,991; Oct. 30.
- Blowpipe. L. Campbell, jr. 1,955,846; Apr. 24.
- Blowpipe. L. Campbell, jr. 1,958,741; May 15.
- Blowpipe. S. R. Oldham and L. W. Young. 1,965,467; July 3.
- Blowpipe. L. M. Oliphant. Des. 93,842-5; Nov. 13.
- Blowpipe tip. L. Campbell, jr. 1,949,780; Mar. 6.
- Blow pit and operating the same. H. W. French. 1,947,707; Feb. 20.
- Blowtorch. L. L. Lasher and A. Goddu. 1,966,252; July 10.
- Blowtorch, Automatic blow. L. L. Lasher. 1,966,250; July 10.
- Blow-toy. H. F. Walker. Des. 92,634; June 26.
- Blower. J. Anderson. 1,971,246; Aug. 21.
- Blower. B. M. Hess. 1,946,162; Feb. 6.
- Blower. F. W. Parks and L. L. Smalley. 1,950,626; Mar. 13.

- Blower. J. B. Phillips. 1,966,262; July 10.
Blower casing, Jacketed rotary. W. van Rijswijk. 1,977,958; Oct. 23.
Blower for cleaning the tubes of steam generators and the like, Fluid pressure operated. R. I. Moses. 1,978,686; Oct. 30.
Blower for corn harvesters. L. A. Paradise. 1,978,718; Oct. 30.
Blower for wet air furnaces. F. I. Jaden. 1,945,223; Jan. 30.
Blower impeller, Rotary. W. van Rijswijk. 1,975,511; Oct. 9.
Blower pipe system. W. P. Mustonen. 1,957,975; May 8.
Blower rotor blade, Wear resisting. M. Stockton. 1,948,949; Feb. 27.
Blower wheel. P. E. Good. 1,953,297; Apr. 3.
Blowing device for rock drills. J. C. Curtis. 1,968,377; July 31.
Blown fuse signal. W. M. James. 1,970,007; Aug. 14.
Board: See—
Acoustic wall board. Garment folding board.
Automatic quotation board. Garment supporting board.
Automobile running board. Illuminated game board.
Bathroom reclining board. Ironing board.
Cabinet ironing board. Laminated board.
Cellulose board. Motor driven surfboard.
Christmas tree board. Panel distributing board.
Cloth board. Paper hanger's board.
Cloth winding board. Plaster board.
Composition board. Plotting board.
Contract bridge board. Sectional game board.
Convertible game board. Shampoo board.
Corrugated board. Shoveling and grain dump-
Display board. ing board.
Fabricated board. Stock quotation board.
Fabricating board. Taped paper board.
Facing board. Wall board.
Folding board. Washer drain board.
Game board.
Board and fastening therefor, Floor. F. W. Cherry. 1,974,259; Sept. 18.
Board and forming the same, Artificial. C. J. Strobel. 1,944,533; Jan. 23.
Board and forming the same, Artificial. C. J. Strobel. 1,955,984; Apr. 24.
Board and making same, Pulp. H. L. Becher. 1,980,979; Nov. 20.
Board and making same, Soundproof. J. H. Delaney. 1,943,757; Jan. 16.
Board and making the same, Laminated. G. C. Snyder. 1,944,282; Jan. 23.
Board knock-down box, Corrugated. H. Densen. 1,974,061; Sept. 18.
Board making machine, Laminated. L. T. Murphy. 1,981,321; Nov. 20.
Board, Making waterproof fiber. E. J. Eimer. 1,953,397; Apr. 3.
Board structure. J. H. Spohn, jr. 1,965,265; July 3.
Board top or covering for furniture, etc., Laminated. A. T. A. Heitz. 1,942,287; Jan. 2.
Boards or sheets, Apparatus for making composition. G. H. Ellis. 1,959,662; May 22.
Boat. H. G. Dugan. 1,981,908; Nov. 27.
Boat. N. B. Geddes. Des. 91,579; Feb. 20.
Boat. T. Ouellett. 1,960,826; May 29.
Boat. C. H. and M. Stratton. Des. 93,252; Sept. 4.
Boat and carrier. A. J. Sobieralski. 1,948,831; Feb. 27.
Boat, Collapsible. A. Berendt. 1,953,059; Apr. 3.
Boat, Flying. I. M. Laddon. Des. 93,230; Sept. 4.
Boat for ice, snow, and water travel. T. Chlebowski. 1,959,523; May 22.
Boat hull construction. G. W. Smith, jr. 1,977,294; Oct. 16.
Boat, Inflatable flexible. F. G. Manson. 1,981,871; Nov. 27.
Boat launching and stowing apparatus. N. B. Geddes and W. H. Stangle. 1,958,040; May 8.
Boat, Patrol type of flying. I. M. Laddon. Des. 93,231; Sept. 4.
Boat propulsion device. C. P. Grimes. 1,953,599; Apr. 3.
Boat, Self-unloading. R. E. Sheal and C. N. Windecker. 1,942,839; Jan. 9.
Boat, Speed. W. J. Snadecki. 1,941,586; Jan. 2.
Boat steering mechanism. A. Horak. 1,957,647; May 8.
Boat, Transoceanic flying. L. C. Milburn. Des. 91,634; Feb. 27.
Bobbin. C. F. Beran. 1,977,714; Oct. 23.
Bobbin. G. W. Bowen. 1,958,126; May 8.
Bobbin. R. S. Burrows. 1,978,101; Oct. 23.
Bobbin. G. H. Magrath. 1,952,764; Mar. 27.
Bobbin. G. H. Magrath. 1,972,784; Sept. 4.
Bobbin and making the same. P. P. Muller. 1,951,556; Mar. 20.
Bobbin and producing the same, Wound. D. G. Baker. 1,961,730; June 5.
Bobbin, Contractible. J. C. Kinker, jr. 1,968,402; July 31.
Bobbin driving means. W. I. Stimpson. 1,984,773; Dec. 18.
Bobbin for spinning. H. Lampart. 1,962,662; June 12.
Bobbin gear, Self lubricating. F. M. Morton. 1,979,007; Oct. 30.
Bobbin guide. Y. Lindsjo. 1,963,916; June 19.
Bobbin guide. J. C. Meehan. 1,941,950; Jan. 2.
Bobbin, Making a dry cell. G. Lüdecke. 1,983,623; Dec. 11.
Bobbin, Metal winding. K. W. H. Barthelmes. 1,949,291; Feb. 27.
Bobbin release for weft replenishing looms. A. A. Gordon. 1,953,648; Apr. 3.
Bobbin release for weft replenishing mechanism. W. H. Wakefield. 1,957,118; May 1.
Bobbin rings, Making. J. F. Hjort. 1,973,436; Sept. 11.
Bobbin, Spinning. H. G. Stone. 1,957,860; May 8.
Bobbin stripper. E. A. Terrell. 1,968,803; July 31.
Bobbin stripper. E. A. Terrell. 1,977,097; Oct. 16.
Bobbin stripping apparatus and method, Pneumatic. E. A. Terrell. 1,968,791; July 31.
Bobbin support. L. B. Hasbrouck. 1,949,935; Mar. 6.
Bobbin supporter for looms. A. W. Herring. 1,947,596; Feb. 20.
Bobbin, Textile. E. G. Crooks. 1,956,191; Apr. 24.
Bobbin-winding machine. W. Heinitz. 1,957,594; May 1.
Bobbin winding machine. E. Schweizer. 1,958,317; May 8.
Bobbin, Wound. C. F. De Long. 1,966,487; July 17.
Bobbins, Device for cleaning. E. A. McKillop. 1,945,654; Feb. 6.
Bobbins, Method of and apparatus for wrapping dry cell. S. L. Casella. 1,984,568; Dec. 18.
Bobbins, Securing flanges to. J. E. Robinson. 1,948,430; Feb. 20.
Bodies from partial oxidation products, Separating or extracting. J. H. James. 1,970,535; Aug. 14.
Bodies, Making hard. E. Dühme and E. Cremer. 1,979,372; Nov. 6.
Body bolster. W. C. Hedgcock. 1,972,935; Sept. 11.
Body construction. R. L. Carr. 1,953,953; Apr. 10.
Body construction. D. W. Voltz. 1,942,314-5; Jan. 2.
Body for baby carriages or the like. M. E. Berry. Des. 92,061; Apr. 24.
Body for motor vehicles. W. H. Bishop. 1,981,897; Nov. 27.
Body for use in electrolysis. O. Conradty. 1,957,940; May 8.
Body for vehicles, Dump. C. P. Galanot. 1,957,497; May 8.
Body gyrating mechanism. W. L. Wettlaufer. 1,949,703; Mar. 6.
Body maker. W. W. Hodgson. 1,966,392; July 10.
Body of trucks, wagons, and the like. W. A. Welchman. 1,962,629; June 12.
Body portion, Hollow-flanged. M. G. Robinson. 1,965,357; July 3.
Body support. W. R. Popkess. 1,942,976; Jan. 9.
Bogie. H. Nyffenegger. 1,952,819; Mar. 27.
Boiler: See—
Double boiler. Mercury boiler.
Duplex boiler. Metal boiler.
Electric generative boiler. Series boiler.
Ham boiler. Steam boiler.
Hot water boiler. Steam generating boiler.
Liquid boiler. Superheater boiler.
Locomotive boiler. Waste heat boiler.
Locomotive steam boiler. Water tube boiler.
Marine type series boiler.
Boiler. G. L. Banta. 1,981,895; Nov. 27.
Boiler. H. C. Davis. 1,982,793; Dec. 4.
Boiler. M. E. Finck. 1,971,851; Aug. 28.
Boiler. R. P. Glenn. 1,984,262; Dec. 11.
Boiler. E. E. Grassman. 1,944,506; Jan. 23.
Boiler. M. S. Hall. 1,971,068; Aug. 21.
Boiler. I. Harter. 1,975,789; Oct. 9.
Boiler. A. Huett. 1,957,536; May 8.
Boiler. F. E. Hutton. 1,942,169; Jan. 2.
Boiler. E. J. Lattner. Des. 91,716; Mar. 13.
Boiler. E. Lundgren. 1,983,624; Dec. 11.
Boiler. W. McGuinness. 1,959,033; May 15.
Boiler. T. E. Murray. 1,951,165; Mar. 13.
Boiler. C. A. Olson and J. P. Magos. 1,964,074; June 26.
Boiler. C. L. Simmons. 1,949,939; Mar. 6.
Boiler. H. G. Smith. 1,977,411; Oct. 16.
Boiler. R. P. Thompson. 1,973,129; Sept. 11.
Boiler. E. Tuckermann. 1,944,478; Jan. 23.
Boiler. D. F. Vallerio. 1,974,001; Sept. 18.
Boiler. E. A. Weaver and L. F. Whitney. 1,954,398; Apr. 10.
Boiler. A. U. Wetherbee. 1,950,043; Mar. 6.
Boiler. J. C. Willcox. 1,953,667; Apr. 3.
Boiler alarm gauge. A. F. Mallick. 1,950,897; Mar. 13.
Boiler and cover, Combined double. A. de Sakhnoffsky. Des. 92,036; Apr. 17.
Boiler and furnace installation. H. Kreisinger and J. E. Bell. 1,954,298; Apr. 10.
Boiler and furnace therefor, Steam. H. J. Kerr. 1,941,865; Jan. 2.
Boiler and its furnace, Steam. D. S. Jacobus. 1,979,884; Nov. 6.
Boiler and mercury condenser, Steam. C. E. Lucke. 1,941,480; Jan. 2.
Boiler and operating the same, Superheater. R. M. Hardgrove. 1,944,234; Jan. 23.
Boiler and the like, Ham. H. V. Churchill. 1,946,149; Feb. 6.
Boiler and water heater, Combined. R. Kroger. 1,963,624; June 19.
Boiler baffle, Water tube. K. L. Martin. 1,957,607; May 8.
Boiler casing. V. Civkin. Des. 91,983; Apr. 17.
Boiler cleaner. L. J. Bayer. 1,966,703; July 17.
Boiler cleaner. F. Bowers. 1,966,197; July 10.
Boiler cleaner. F. Bowers. 1,979,728; Nov. 6.

- Boiler cleaner. A. Doble. 1,954,803; Apr. 17.
 Boiler cleaner. C. L. Howse and W. P. Thomas. 1,944,324; Jan. 23.
 Boiler cleaner. N. L. Snow. 1,966,190; July 10.
 Boiler cleaner. N. L. Snow. 1,970,401; Aug. 14.
 Boiler cleaner. N. L. Snow. 1,971,020; Aug. 21.
 Boiler cleaner. N. L. Snow and C. L. Howse. Re19,105; Mar. 6.
 Boiler cleaner. W. P. Thomas. Re19,296; Aug. 28.
 Boiler cleaner. W. P. Thomas. 1,944,325; Jan. 23.
 Boiler construction. J. J. Cain. 1,953,587; Apr. 3.
 Boiler construction. J. J. Cain. 1,953,588; Apr. 3.
 Boiler construction. A. J. Donohue. 1,970,500; Aug. 14.
 Boiler construction. J. A. Ford. 1,945,349; Jan. 30.
 Boiler construction. C. M. Jerome. Re19,138; Apr. 17.
 Boiler construction. C. N. Lawless and J. Blackwood. 1,943,125; Jan. 9.
 Boiler construction. T. E. Murray. 1,953,768; Apr. 3.
 Boiler construction. R. J. Needham and H. C. Woodbridge. 1,983,182; Dec. 4.
 Boiler construction. G. Welter. 1,983,649; Dec. 11.
 Boiler control. Flash. W. Doble. 1,951,350; Mar. 20.
 Boiler control mechanism. A. L. Cox. 1,958,815; May 15.
 Boiler control. Steam. E. D. Parker. 1,965,052; July 3.
 Boiler control system. A. Doble. 1,955,274; Apr. 17.
 Boiler drum. I. L. Langvand. 1,954,631; Apr. 10.
 Boiler economizer. E. A. Doerr. 1,951,752; Mar. 20.
 Boiler feed and low water cut-off. C. N. Flagg. 1,957,825; May 8.
 Boiler feed apparatus. V. E. McCoy. 1,960,914; May 29.
 Boiler feed system. J. Sim. 1,945,204; Jan. 30.
 Boiler feed-water. Preheating. R. M. Ostermann. 1,957,552; May 8.
 Boiler feed water regulator. B. Garilus. 1,946,529; Feb. 13.
 Boiler feeding device. K. Rezsny. 1,959,928; May 22.
 Boiler for heating systems. M. W. Smith. 1,972,324; Sept. 4.
 Boiler for hot water heating system. O. S. Burman. 1,942,915; Jan. 9.
 Boiler for locomotives. High pressure water tube. H. Nyfenecker. 1,964,133; June 26.
 Boiler for power plants. R. C. Roe. 1,976,462; Oct. 9.
 Boiler furnace. E. G. Bailey. 1,964,412; June 26.
 Boiler furnace. J. C. Hobbs. 1,964,413; June 26.
 Boiler furnace. C. E. Lucke. 1,950,454; Mar. 13.
 Boiler furnace. E. B. Priebe and H. Buchert. 1,974,431; Sept. 25.
 Boiler headers, Forming. C. D. St. Clair. 1,963,337; June 19.
 Boiler headers, Forming. C. D. St. Clair and J. Eklund. 1,963,338; June 19.
 Boiler including a water tube lined fire box, particularly for locomotives. High pressure. H. Nyfenecker. 1,974,505; Sept. 25.
 Boiler, Method of and apparatus for operating a steam. J. Fletcher. 1,975,095; Oct. 2.
 Boiler or heater. J. H. Mills. 1,967,038; July 17.
 Boiler return and vacuum trap. S. F. and R. A. Knefel. 1,944,437; Jan. 23.
 Boiler room installation for ships. C. P. Wetherbee and J. E. Burkhardt. 1,973,399; Sept. 11.
 Boiler scale, Preventing and removing. L. Erényi. 1,964,704; June 26.
 Boiler setting. M. Liptak. 1,952,176; Mar. 27.
 Boiler superheater support. H. J. Kerr and W. A. Jones. 1,977,637; Oct. 23.
 Boiler tube cleaning construction. C. S. Turner. 1,966,912; July 17.
 Boiler tubes, Apparatus for cleaning. F. J. Steutermann. 1,941,513; Jan. 2.
 Boiler wall. G. V. Hendrickson. 1,971,312; Aug. 21.
 Boiler washing machine. Ham. H. Adelman. 1,971,206; Aug. 21.
 Boiler with furnace wall tubes. D. S. Jacobus. 1,959,866; May 22.
 Boilers, Cleaning mercury. A. J. Nerad and B. L. Newkirk. 1,964,594; June 26.
 Boilers, Preventing the incrustation of. J. Kobseff. 1,950,494; Mar. 13.
 Boilers, System and apparatus for delivering feed water to steam. J. D. Holveck. 1,983,032; Dec. 4.
 Bolometric resistance. M. Buchholz. 1,984,112; Dec. 11.
 Bolster. O. W. Schaum. 1,951,847; Mar. 20.
 Bolt. P. W. Dieter. 1,968,516; July 31.
 Bolt. C. Fassinger. 1,960,734; May 29.
 Bolt. J. A. MacLean. 1,946,800; Feb. 13.
 Bolt. J. A. MacLean. 1,953,305; Apr. 3.
 Bolt. W. R. Wiley. 1,955,353; Apr. 17.
 Bolt. W. R. Wiley. 1,985,333; Dec. 25.
 Bolt, Anchor. C. F. Hetherington. 1,943,731; Jan. 16.
 Bolt and clamp. L. R. Hand and L. A. Eyster. Re19,386; Nov. 27.
 Bolt and clinch pin, Combination. L. Woodward. 1,951,228; Mar. 13.
 Bolt and lock. Door. E. A. Wilson. 1,978,615; Oct. 30.
 Bolt and nut, Interlocking. J. R. Mercier. 1,963,667; June 19.
 Bolt and nut lock. G. F. Perry. 1,956,473; Apr. 25.
 Bolt and nut locking device and the process of making. G. S. Goodwin and P. Kass. 1,956,348; Apr. 24.
 Bolt and nut structure. H. L. Guy. 1,965,412; July 3.
 Bolt and the like, Peg. R. C. Rivers. 1,958,497; May 15.
 Bolt cap. G. Brain. 1,947,639; Feb. 20.
 Bolt cutter. J. B. Hussey. 1,960,666; May 29.
 Bolt, Expansion. H. P. Chandler. 1,964,427; June 26.
 Bolt, Expansion. H. G. Norwood. 1,971,726; Aug. 28.
 Bolt, Fitting-up. W. H. Hackett. 1,964,116; June 26.
 Bolt heads and points, Apparatus for finishing. H. J. Hogue. 1,977,556; Oct. 16.
 Bolt lock. F. J. Adams. 1,985,272; Dec. 25.
 Bolt lock. R. C. Williams. 1,956,846; May 1.
 Bolt, Locking. C. Payne. 1,956,745; May 1.
 Bolt, Water-tight. J. A. MacLean. 1,955,924; Apr. 24.
 Bolted pipe joint. E. L. Hall. 1,983,228; Dec. 4.
 Bolted pipe joint. P. W. Janeway, jr. 1,980,062; Nov. 6.
 Bolted pipe joint. J. A. Perry. 1,967,841; July 24.
 Bolts, Apparatus for finishing heads and points of. H. J. Hogue. 1,972,225; Sept. 4.
 Bolts, Forming. C. W. Sinclair. 1,955,980; Apr. 24.
 Bolts, Manufacturing connector. F. W. Mebold. 1,947,867; Feb. 20.
 Bomb, Practice. Y. B. S. von Stackelberg. 1,963,451; June 19.
 Bomb releasing device. L. D. Bradshaw. 1,980,375; Nov. 13.
 Bomb sight. A. Clementi. 1,968,127; July 31.
 Bond. E. M. Deems. 1,945,480; Jan. 30.
 Bond for built-up crank shafts. K. E. Kylén. 1,974,617; Sept. 25.
 Bonded abrasive articles, Manufacture of rubber. R. C. Benner. 1,969,497; Aug. 7.
 Bonded article and bonding the same. E. L. Hauman. 1,966,408; July 10.
 Bonding composition of solder and flux and making the same. A. L. Parker. 1,980,927; Nov. 13.
 Bonding, General process of. W. A. Boughton. 1,975,079; Oct. 2.
 Bonding tool. P. P. Pipes. 1,967,132; July 17.
 Bone black and like materials, Reclaiming. N. R. Andrews. 1,971,895; Aug. 28.
 Bone fracture clamp, Long. P. M. J. Boever. 1,960,892; May 29.
 Bonnet valve, Self-drained. F. H. Hehemann. 1,970,040; Aug. 14.
 Book. H. N. Feley. 1,984,790; Dec. 18.
 Book, Adjustable ring. H. T. Adams. 1,982,409; Nov. 27.
 Book and making same, Flat opening. B. F. Pierce. 1,962,407; June 12.
 Book and method of binding. R. H. Tanner. 1,968,430; July 31.
 Book and method of manufacture, Loose leaf. F. S. Schade. 1,983,883; Dec. 11.
 Bookbinder. E. W. Otto. 1,980,630; Nov. 13.
 Book binding. J. W. Ballard. 1,975,628; Oct. 2.
 Bookbinding. F. C. Gould and T. Harrison. 1,980,267; Nov. 13.
 Book binding and making the same. C. L'Enfant. 1,972,490; Sept. 4.
 Bookbinding without stitches. P. A. Frazier. 1,973,375; Sept. 11.
 Bookcase and cabinet for radio-receiver, Combined. J. Streng. Des. 91,284; Jan. 2.
 Bookcase, Sliding shelf sectional. E. L. G. Toborg. 1,980,116; Nov. 6.
 Book construction. E. L. Mueller. 1,979,209; Oct. 30.
 Book construction, Loose-leaf. P. Marienthal. 1,978,754; Oct. 30.
 Book, Correspondence service. J. Giordano. Des. 93,613; Oct. 16.
 Book cover. F. J. Osuch. 1,981,280; Nov. 20.
 Book cover. J. A. Rennie. 1,972,048; Aug. 28.
 Book cover, Memorandum. L. Guild. Des. 94,135; Dec. 25.
 Book covers, Mechanism for forming. M. W. Canfield. 1,960,475; May 29.
 Book cutting machine, Automatic. P. T. Pachter. 1,982,880; Dec. 4.
 Book end. F. J. Abel. Des. 92,280; May 22.
 Book ends. A. F. Gibson. Des. 91,425; Jan. 30.
 Book for removable insertions, Detachable. O. W. Bodie. 1,955,049; Apr. 17.
 Book form towel pad. A. I. Hondeville. 1,973,984; Sept. 18.
 Book hanger. A. M. Broudy. 1,959,333; May 22.
 Bookholder. J. L. Clark. 1,947,757; Feb. 20.
 Bookholder. W. V. Johnson. 1,953,560; Apr. 3.
 Bookholder. R. W. Mason. 1,947,053; Feb. 13.
 Bookholder. E. J. Sithens. 1,945,661; Feb. 6.
 Bookholder. N. I. Stark. 1,942,456; Jan. 9.
 Book jacket. M. I. Williamson. 1,957,926; May 8.
 Bookkeeping machine. J. H. Meckel, jr. 1,980,346; Nov. 13.
 Bookkeeping machine. W. I. Nicholson, jr. 1,963,445; June 19.
 Bookkeeping machine. E. Schneider. 1,970,981; Aug. 21.
 Bookkeeping machines, Attachment for. J. H. Loeb. 1,985,178; Dec. 18.
 Book, Loose leaf. A. Steinthal. 1,941,634; Jan. 2.
 Book making machine, Automatic. J. Gannon, W. E. Reavis and G. Baker. 1,961,103; May 29.
 Book, Manifolding. A. H. Phillips and W. Allan, jr. 1,975,660; Oct. 2.
 Bookmark. L. J. Forbringer and J. J. Kossek. 1,966,340; July 10.
 Bookmark. J. S. Petro. 1,961,527; June 5.
 Bookmark and lead pencil, Combined. L. Solinger. 1,974,667; Sept. 25.

- Book matches and the like, Apparatus for arranging. M. Paridon. 1,953,818; Apr. 3.
- Book or book cover supporting device. L. M. Webber. 1,980,650; Nov. 13.
- Book, Record. W. B. White. 1,979,019; Oct. 30.
- Book-sewing machine. P. A. Herr. 1,955,384; Apr. 17.
- Bookstack and analogous structure. J. G. L. Skar and C. A. Johnson. 1,978,174; Oct. 23.
- Book, Stitchless. P. A. Frazier. 1,976,845; Oct. 16.
- Books, Binding. H. C. Alger. 1,972,672; Sept. 4.
- Books, Manufacture of manifolding. A. R. Lawson. Re19,832; Oct. 2.
- Books, Method and apparatus for separating bound. L. Verd. 1,974,787; Sept. 25.
- Books, Method of and sheet for making flat opening. C. E. Gale. 1,942,399; Jan. 9.
- Boom construction. E. B. Nickles. 1,941,952; Jan. 2.
- Booster. C. W. Hull. 1,970,172; Aug. 14.
- Booster control. C. F. Strong. 1,960,683; May 29.
- Booster pump. R. G. Denk. 1,959,817; May 22.
- Boot. J. M. Fiori. 1,954,122; Apr. 10.
- Boot. C. Miller. 1,978,140; Oct. 23.
- Boot. F. E. Miquelon. 1,982,445; Nov. 27.
- Boot and shoe. H. Rollmann. 1,955,720; Apr. 17.
- Boot and shoe. A. A. Williams. 1,970,157; Aug. 14.
- Boot and shoe preserver, Absorbent and ventilated. L. F. Badoux and C. B. Pfaff. 1,971,247; Aug. 21.
- Boot-black stand. L. E. Frye. 1,952,548; Mar. 27.
- Boot or similar article. C. Miller. Des. 93,838; Nov. 13.
- Boot, Polo. C. F. Lutsche. 1,945,226; Jan. 30.
- Boot tree. P. J. Muenchen. 1,943,244; Jan. 9.
- Boot with concealable top extension, Wading. C. F. Berry. 1,975,597; Oct. 2.
- Boots and shoes from lasts, Apparatus for removing. C. E. Rowe. 1,969,097; Aug. 7.
- Booth. F. A. Noll, sr. 1,983,559; Dec. 11.
- Booth, Collapsible. O. J. Stone. 1,978,512; Oct. 30.
- Booth, Portable refreshment. J. P. Spang. 1,952,949; Mar. 27.
- Booth, Pose reflecting. L. G. Simjian. 1,952,337; Mar. 27.
- Booth, Soundproof. W. R. Foltz. 1,966,288; July 10.
- Booth, Telephone. O. Gullicksen. 1,948,755; Feb. 27.
- Borax, Producing crystalline anhydrous. L. G. Black. 1,964,902; July 3.
- Bore cutting apparatus. J. Glasson. 1,982,425; Nov. 27.
- Bore-hole position indicator. E. A. Sperry, jr. 1,959,141; May 15.
- Boring and facing machine, Automatic. W. Sinclair. 1,965,714; July 10.
- Boring guide, Equalizing. E. A. Arp. 1,954,034; Apr. 10.
- Boring head, Expanding. O. Severson. 1,956,364; Apr. 24.
- Boring machine. O. P. M. and W. C. Goss. 1,973,204; Sept. 11.
- Boring machine. G. H. Leland. 1,979,478; Nov. 6.
- Boring machine. R. C. Morgan. 1,973,386; Sept. 11.
- Boring machine. C. Palkowski and S. Wagner. 1,977,202; Oct. 16.
- Boring machine. S. Y. Russell. 1,982,025; Nov. 27.
- Boring machine for piston rings. W. J. Cramer. 1,946,523; Feb. 13.
- Boring machine, Horizontal. K. F. Gallimore and G. H. Schurger. 1,969,791; Aug. 14.
- Boring tool. A. H. Hawkinson. 1,962,241; June 12.
- Boring tool. F. P. Miller. 1,949,872; Mar. 6.
- Boric acid from sodium tetraborate, Manufacture of. E. Franke. 1,950,106; Mar. 6.
- Borneol from pine oil, Separating. I. W. Humphrey. 1,945,501; Jan. 30.
- Bottle. H. A. Allers. Des. 92,509; June 19.
- Bottle. J. W. Bicks. Des. 92,697; July 10.
- Bottle. J. W. Bicks. 1,961,033; May 29.
- Bottle. G. M. Brenner. Des. 94,069; Dec. 18.
- Bottle. A. B. Cassedy. Des. 92,521; June 19.
- Bottle. W. B. Cleland. Des. 91,318; Jan. 9.
- Bottle. J. B. Conlin. 1,968,747; July 31.
- Bottle. R. Denels. Des. 93,914; Nov. 27.
- Bottle. A. H. Dolge. Des. 91,295; Jan. 2.
- Bottle. W. Douglas. 1,941,933; Jan. 2.
- Bottle. E. W. Fuerst. Des. 91,520; Feb. 20.
- Bottle. E. W. Fuerst. Des. 91,561; Feb. 20.
- Bottle. E. W. Fuerst. Des. 91,867; Apr. 3.
- Bottle. E. W. Fuerst. Des. 92,069; Apr. 24.
- Bottle. E. W. Fuerst. Des. 92,717-18; July 10.
- Bottle. E. W. Fuerst. Des. 93,974; Dec. 4.
- Bottle. E. W. Fuerst and J. W. McPherrin. Des. 92,461; June 12.
- Bottle. P. H. Ganz. Des. 91,870; Apr. 3.
- Bottle. S. B. Gaynor. Des. 92,953; Aug. 7.
- Bottle. J. Goldblatt. Des. 93,821; Nov. 13.
- Bottle. G. J. Graham. Des. 92,532-3; June 19.
- Bottle. R. Guerlain. Des. 92,078; Apr. 24.
- Bottle. W. Guyer. Des. 91,653; Mar. 6.
- Bottle. W. Guyer. Des. 92,901; July 31.
- Bottle. W. Guyer. Des. 93,921; Nov. 27.
- Bottle. F. J. Hale and W. H. Gibson. Des. 91,392; Jan. 23.
- Bottle. E. W. Howe. Des. 91,712; Mar. 13.
- Bottle. A. C. Humphreys. Des. 92,469; June 12.
- Bottle. C. G. Humphreys. Des. 92,133; May 1.
- Bottle. A. B. Kennedy. Des. 92,911; July 31.
- Bottle. F. T. Kessler. Des. 93,412; Sept. 25.
- Bottle. F. T. Kessler. Des. 93,625; Oct. 16.
- Bottle. A. L. Key. Des. 93,480; Oct. 2.
- Bottle. A. L. Key. Des. 93,724; Oct. 30.
- Bottle. L. J. Kihn. Des. 93,481; Oct. 2.
- Bottle. F. V. Klotz. Des. 93,483; Oct. 2.
- Bottle. W. J. Latchford, jr. Des. 91,829; Mar. 27.
- Bottle. W. R. Leach. Des. 91,528; Feb. 20.
- Bottle. W. R. Leach. Des. 91,670; Mar. 6.
- Bottle. W. R. Leach. Des. 92,413; June 5.
- Bottle. W. R. Leach. Des. 92,542; June 19.
- Bottle. W. R. Leach. Des. 93,116-17; Aug. 21.
- Bottle. C. Levina. Des. 93,931-2; Nov. 27.
- Bottle. C. Levine. Des. 94,153; Dec. 25.
- Bottle. C. D. Little. Des. 92,098; Apr. 24.
- Bottle. H. L. Luly. Des. 91,677; Mar. 6.
- Bottle. J. Mandes. Des. 93,628; Oct. 16.
- Bottle. J. Mandes. Des. 93,938; Nov. 27.
- Bottle. J. Marcus. Des. 94,157; Dec. 25.
- Bottle. S. J. McGivernan. Des. 92,148; May 1.
- Bottle. C. S. McPhee. Des. 91,363; Jan. 16.
- Bottle. A. C. Meyer. Des. 92,544; June 19.
- Bottle. A. C. Meyer. Des. 92,821; July 17.
- Bottle. A. C. Meyer. Des. 93,668; Oct. 23.
- Bottle. T. Miller. Des. 92,262; May 15.
- Bottle. W. A. Nester. Des. 92,486; June 12.
- Bottle. O. C. Noble. Des. 92,364; May 29.
- Bottle. S. L. Nordlinger. Des. 91,784; Mar. 20.
- Bottle. J. R. Orton and E. W. Fuerst. Des. 93,787; Nov. 6.
- Bottle. M. Ott. Des. 93,571; Oct. 9.
- Bottle. H. J. Pawling. 1,942,568; Jan. 9.
- Bottle. L. A. Pelton. Des. 91,898; Apr. 3.
- Bottle. J. H. Petersen. Des. 93,286; Sept. 11.
- Bottle. S. Picker. Des. 92,426; June 5.
- Bottle. R. Ratner. Des. 92,491-2; June 12.
- Bottle. F. W. Roffey. Des. 92,493; June 12.
- Bottle. L. S. Rosenstiel. Des. 91,843; Mar. 27.
- Bottle. G. Sakier. Des. 93,678; Oct. 23.
- Bottle. H. L. Schmel. Des. 93,679-80; Oct. 23.
- Bottle. O. Seidner. Des. 93,524; Oct. 2.
- Bottle. J. P. Squeglia. Des. 91,503; Feb. 13.
- Bottle. C. K. Simon. Des. 91,638; Feb. 27.
- Bottle. F. Smith. Des. 93,526; Oct. 2.
- Bottle. F. Smith. Des. 93,752; Oct. 30.
- Bottle. J. E. Spence. Des. 94,101; Dec. 18.
- Bottle. J. S. Steelman. Des. 93,297-304; Sept. 11.
- Bottle. J. S. Steelman. Des. 93,684-92; Oct. 23.
- Bottle. J. S. Steelman. Des. 93,798-9; Nov. 6.
- Bottle. J. S. Steelman. Des. 93,895-6; Nov. 20.
- Bottle. J. S. Steelman. Des. 93,949; Nov. 27.
- Bottle. J. S. Steelman. Des. 94,170; Dec. 25.
- Bottle. N. F. Steuer. Des. 91,691; Mar. 6.
- Bottle. N. F. Steuer. Des. 91,740; Mar. 13.
- Bottle. N. F. Steuer. Des. 92,116; Apr. 24.
- Bottle. N. F. Steuer. Des. 92,501; June 12.
- Bottle. N. F. Steuer. Des. 92,828; July 17.
- Bottle. N. F. Steuer. Des. 92,985; Aug. 7.
- Bottle. C. B. Stevens. Des. 92,436; June 5.
- Bottle. H. J. Titus. Des. 93,147; Aug. 21.
- Bottle. J. A. Tumbler. Des. 91,474; Feb. 6.
- Bottle. J. W. Wallace. Des. 92,688; July 3.
- Bottle. E. G. Westlake. Des. 93,062-77; Aug. 14.
- Bottle. E. G. Westlake. Des. 94,008-11; Dec. 4.
- Bottle and base, Combination. P. H. Ganz. Des. 93,341; Sept. 18.
- Bottle and base ensemble, Perfume. M. de Botelho. Des. 91,609; Feb. 27.
- Bottle and closure therefor, Milk. H. T. McKinley, J. R. Nichols, B. E. Bruns, and D. E. Ford. 1,961,503; June 5.
- Bottle and doll cover therefor, Combination. B. M. Palmer. Des. 93,239; Sept. 4.
- Bottle and jar closure. L. R. N. Carvalho. 1,950,293; Mar. 6.
- Bottle and like vessel. E. F. Staniland. 1,941,632; Jan. 2.
- Bottle and manufacturing the same, Paper. L. B. Koch and A. Bodor. 1,962,199; June 12.
- Bottle and stopper, Combined. P. H. Ganz. Des. 93,713; Oct. 30.
- Bottle and tray with glasses, Combination. H. Erickson. Des. 93,916; Nov. 27.
- Bottle bag. S. J. Thurmer. 1,983,418; Dec. 4.
- Bottle, Battery filling. N. F. Haury. 1,962,816-17; June 12.
- Bottle, Beer. M. L. Blumenthal. Des. 91,417; Jan. 30.
- Bottle, Beer. H. Ennever. Des. 92,640; June 26.
- Bottle blowing machine. E. G. Bridges. 1,968,777; July 31.
- Bottle cap. B. F. Conner. Re19,249; July 24.
- Bottle cap. B. F. Conner. Des. 93,455-6; Oct. 2.
- Bottle cap. B. F. Conner. Des. 93,704; Oct. 30.
- Bottle cap. J. Derry. Des. 92,885; July 31.
- Bottle cap. A. H. Graham. 1,963,050; June 12.
- Bottle cap. F. T. Kessler. Des. 93,626; Oct. 16.
- Bottle cap. C. E. McManus. 1,984,752; Dec. 18.
- Bottle cap. C. W. Meinecke. Des. 93,785; Nov. 6.
- Bottle cap. J. W. Perry. Des. 93,505; Oct. 2.
- Bottle cap. A. R. Pollock. 1,972,358; Sept. 4.
- Bottle cap. N. P. Steckler. Des. 91,854; Mar. 27.
- Bottle cap and opener. L. C. Lawrence. 1,978,272; Oct. 23.
- Bottle cap handle. C. H. Wagner. 1,944,310; Jan. 23.
- Bottle cap remover. E. M. Wilkins. Des. 91,853; Mar. 27.
- Bottle capper. H. G. Rice. 1,983,996; Dec. 11.
- Bottle capper and fruit press, Combined. H. G. Rice. 1,968,264; July 31.
- Bottle capping apparatus. C. Namur. 1,981,565; Nov. 20.
- Bottle capping machine. E. T. Franzen and A. J. Weiss. 1,949,960; Mar. 6.

- Bottle capping machine. A. Meldrum. 1,949,377; Feb. 27.
- Bottle capping machine. A. C. Spahn. 1,978,095; Oct. 23.
- Bottle capping machine. O. N. Tevander. 1,942,885; Jan. 9.
- Bottle capping mechanism. L. E. La Bombard and K. G. Quade. 1,958,306; May 8.
- Bottle caps, Manufacturing. A. H. Warth. 1,967,195; July 17.
- Bottle carrier. H. F. Behrendt. 1,974,255; Sept. 18.
- Bottle carrier. A. H. Cubberley. 1,968,877; Aug. 7.
- Bottle carrier. G. S. Everhart. 1,965,886; July 10.
- Bottle carrier. S. W. Johnson. 1,981,647; Nov. 20.
- Bottle carrier. G. R. Kinkead and W. L. Moir. 1,949,207; Feb. 27.
- Bottle carrier. M. J. West. 1,982,276; Nov. 27.
- Bottle case. J. H. Cruickshank. 1,956,710; May 1.
- Bottle case. D. A. McCowan. 1,948,041; Feb. 20.
- Bottle casing. G. E. Ball. Des. 93,437; Oct. 2.
- Bottle cleaning device. A. F. Hoffman. 1,949,206; Feb. 27.
- Bottle closing and like machine. A. M. Jørgensen. 1,951,936; Mar. 20.
- Bottle closure. M. S. Desser. 1,949,902; Mar. 6.
- Bottle closure. O. Karcher. 1,964,469; June 26.
- Bottle closure. W. Manser. 1,985,258; Dec. 25.
- Bottle closure. H. F. Teichmann. 1,972,542; Sept. 4.
- Bottle closure and dropper. S. H. Lebowitz. 1,982,440; Nov. 27.
- Bottle closure cap releasing means and caps associated therewith. E. R. Rossiter. 1,980,094; Nov. 6.
- Bottle collar or similar article of manufacture. L. Klebanow. Des. 92,405; June 5.
- Bottle collar or tag. L. Klebanow. 1,971,528; Aug. 28.
- Bottle collaring machine. C. B. Nelson. 1,971,576; Aug. 28.
- Bottle container. M. A. Wagner. 1,967,794; July 24.
- Bottle cooler. L. U. Larkin. 1,975,046; Sept. 25.
- Bottle cork feeding machine. W. B. Runk. 1,958,248; May 8.
- Bottle, Cosmetic. R. Tricard. Des. 92,781; July 10.
- Bottle device. Combined seltzer water and syrups dispensing. M. Apfelbaum. 1,981,446; Nov. 20.
- Bottle dispenser. Automatic coin-controlled cooled. C. C. Kindred and B. C. Rice. 1,975,364; Oct. 2.
- Bottle dispenser, Milk. J. A. Miller. 1,972,046; Aug. 28.
- Bottle dispensing rack. J. H. McEachern. 1,962,608; June 12.
- Bottle, Double-walled vacuum. A. A. Thomas. 1,961,403; June 5.
- Bottle drying rack. A. Lassalle. 1,977,190; Oct. 16.
- Bottle feeding mechanism. W. I. Gladfeiter. 1,957,534; May 8.
- Bottle filler washer. E. B. Luckie. 1,961,563; June 5.
- Bottle filling and capping machine. L. E. Fagan and A. B. Mojonniere. 1,966,889; July 17.
- Bottle filling mechanism, Automatic. J. Kantor. 1,968,523; July 31.
- Bottle for ink or other liquids. C. W. Dennis and W. E. Lowthian. 1,966,754; July 17.
- Bottle, Glass. D. S. Anderson. Des. 91,750; Mar. 20.
- Bottle, Glass. J. A. Harvey. Des. 92,173; May 8.
- Bottle, Glass water. J. Ramos. 1,953,633; Apr. 3.
- Bottle handling apparatus. J. P. Benoit. 1,950,077; Mar. 6.
- Bottle handling apparatus. J. P. Benoit. 1,981,641; Nov. 20.
- Bottle handling mechanism. R. J. Wynne. 1,981,684; Nov. 20.
- Bottle holder. A. Lestin. 1,984,022; Dec. 11.
- Bottle hood, Milk. A. Weinmann and E. T. Boonstra. 1,982,334; Nov. 27.
- Bottle hooding device. P. Langhammer and S. M. Bodolay. 1,968,211; July 31.
- Bottle machine with overlapping cycles, Suction gathering. R. W. Canfield. 1,941,878; Jan. 2.
- Bottle, Measuring. C. Renfro. 1,949,130; Feb. 27.
- Bottle, Milk. L. F. Simpson. 1,598,499; May 15.
- Bottle, Nonrefillable. S. Grauer. 1,968,139; July 31.
- Bottle, Nonrefillable. R. Günzel. 1,978,304; Oct. 23.
- Bottle, Nursing. M. H. Block. 1,947,753; Feb. 20.
- Bottle, Nursing. N. C. Lowe and A. K. MacLean. 1,976,450; Oct. 9.
- Bottle or container, Paper. L. B. Koch and J. Buchina. 1,969,889; Aug. 14.
- Bottle or container receiver. A. F. Pforsich. 1,944,806; Jan. 23.
- Bottle or similar article. A. M. Clark. Des. 91,704; Mar. 13.
- Bottle or similar article. A. M. Clark. Des. 92,338; May 29.
- Bottle or similar article. W. J. du Bree. Des. 92,647; July 3.
- Bottle or similar article. S. Forman. Des. 92,243; May 15.
- Bottle or similar article. H. D. Kinney. Des. 92,145; May 1.
- Bottle or similar article. G. B. Laufer. Des. 93,193; Aug. 28.
- Bottle or similar article. R. Nottebaum. Des. 93,356; Sept. 18.
- Bottle or similar article. T. J. Piazzoli. Des. 92,975; Aug. 7.
- Bottle or similar article. C. M. Plochman. Des. 91,787; Mar. 20.
- Bottle or similar article. A. Schneier. Des. 91,846; Mar. 27.
- Bottle or similar article. J. S. Stein. Des. 91,372; Jan. 16.
- Bottle or similar article. J. S. Stein. Des. 91,504; Feb. 13.
- Bottle or similar container. H. R. McDonald. Des. 93,351; Sept. 18.
- Bottle or similar container. H. R. McDonald. Des. 93,881; Nov. 20.
- Bottle or the like. C. M. Plochman. Des. 91,900; Apr. 3.
- Bottle package. A. Tarr. Des. 91,742; Mar. 13.
- Bottle, Packaged. A. Nones. 1,965,353; July 3.
- Bottle pick-up and handling mechanism. W. R. Coppage. 1,943,004; Jan. 9.
- Bottle pouring device. E. F. Bailey. 1,949,400; Mar. 6.
- Bottle shipping case. H. L. Kraefft. Des. 91,357; Jan. 16.
- Bottle sterilizing device. R. A. Mueller. 1,983,390; Dec. 4.
- Bottle top, Oil. R. B. Hargrove. 1,950,794; Mar. 13.
- Bottle transfer apparatus. A. Olson. 1,979,763; Nov. 6.
- Bottle transferring apparatus. C. B. Shillinger and J. R. Hoge. 1,974,837; Sept. 25.
- Bottle valve. J. Caligiuri. 1,978,339; Oct. 23.
- Bottle washer. N. Wright. 1,953,698; Apr. 3.
- Bottle washing and brushing machine, Milk. J. A. Harris. 1,968,521; July 31.
- Bottle washing machine. D. V. Fera. 1,975,392; Oct. 2.
- Bottle wrapping machine. R. A. Clark. 1,962,481; June 12.
- Bottles and jars, Apparatus for handling. J. P. Benoit. 1,981,642; Nov. 20.
- Bottles and other articles in glass and apparatus therefor, Manufacture of. A. E. Smith. 1,945,985; Feb. 6.
- Bottles and other similar hollow bodies made of glass, Apparatus for blowing. E. Roirant. 1,946,411; Feb. 6.
- Bottles and the like, Handling glass. F. B. Smith, jr. 1,965,726; July 10.
- Bottles, Apparatus for cleaning. J. L. Herold and J. W. Dawson. 1,950,146; Mar. 6.
- Bottles, Apparatus for cleaning. J. L. Herold and J. W. Dawson. 1,985,408; Dec. 25.
- Bottles, jars, and other receptacles, Sealing. J. Marek. 1,954,882; Apr. 17.
- Bottles, Manufacture of paper. C. Ristow. 1,942,345; Jan. 2.
- Bottles or similar vessels, Device for cooling. J. Bienenfeld. 1,984,455; Dec. 18.
- Bottling and capping machine, Combined. F. L. Lloyd and G. J. Huntley. 1,957,464; May 8.
- Bottom cap. G. H. Barber and A. Schuch. 1,951,317; Mar. 13.
- Bottom filler. H. Barnett. 1,964,806; July 3.
- Bottom for cages, Removable. E. W. Little. 1,963,414; June 19.
- Bottom hole sampling device. E. P. Weatherly, jr. 1,981,817; Nov. 20.
- Bottom in paper bags, Siftproof. J. L. Shively. 1,971,625; Aug. 28.
- Bottoms of circular chasers, Device for grinding. W. J. Hogg. 1,952,206; Mar. 27.
- Boundary layer control for airfoils. C. C. Jones. 1,980,140; Nov. 6.
- Bow, Archery. W. D. Jordan. 1,960,380; May 29.
- Bow for archery. R. H. Cowdery. 1,960,477-8; May 29.
- Bow sighting device. P. E. Klopsteg. 1,961,517; June 5.
- Bowden wire clamp. G. H. Luneburg. 1,950,317; Mar. 6.
- Bowl. H. M. Quackenbush. 1,945,995; Feb. 6.
- Bowl and flushing same, Closet. G. Brain. 1,966,786; July 17.
- Bowl, Beverage dispensing. F. E. Wolcott. Des. 93,958; Nov. 27.
- Bowl, Centrifugal. G. J. Strezynski. 1,950,868; Mar. 13.
- Bowl, Centrifugal separator. G. J. Strezynski. 1,945,336; Jan. 30.
- Bowl, Closet. R. E. Crane and D. E. Gulick. 1,947,439; Feb. 13.
- Bowl for clarifying fluids. J. G. Degerth. 1,956,496; Apr. 24.
- Bowl, Ice. R. Wright. Des. 94,012; Dec. 4.
- Bowl, Lighting fixture. E. L. Bradbury. Des. 92,286; May 22.
- Bowl or receptacle, Measuring dispensing. W. L. Higley. 1,941,745; Jan. 2.
- Bowl or similar article. W. W. Dodge, jr. Des. 91,402; Jan. 23.
- Bowl or similar article of glassware. G. Sakier. Des. 91,909; Apr. 3.
- Bowl or similar article, Sugar. H. Graham. Des. 93,392; Sept. 25.
- Bowl, Pouring. F. E. Wolcott. 1,977,367; Oct. 16.
- Bowl, Sanitary sugar. H. C. Jensen. 1,966,035; July 10.
- Bowl separator. C. E. Gish. 1,947,844; Feb. 20.
- Bowl, Shampoo. S. Hudson. Des. 93,105; Aug. 21.
- Bowl, Sugar. L. Guild. Des. 94,122; Dec. 25.
- Bowl, Sugar. C. L. Sebring. Des. 93,999; Dec. 4.
- Bowl, Toilet. H. S. de Malaussene. 1,955,579; Apr. 17.
- Bowl, Toilet. H. Hague and T. H. Crowther. 1,957,831; May 8.
- Bowl, Toilet. F. A. Schossow. 1,957,809; May 8.
- Bowl, Water closet. G. P. Gavin. 1,964,876; July 3.
- Bowl, Water closet. W. C. Groeniger. Des. 91,696; Mar. 6.
- Bowl, Water-closet. F. T. Meyer. 1,948,970; Feb. 27.

- Bowls, Means for disinfecting toilet. E. R. French. 1,950,139; Mar. 6.
- Bowling alley, Automatic outside. E. Hedenskoog. 1,953,227; Apr. 3.
- Bowling alley, Outdoor. C. T. Forsberg. 1,976,932; Oct. 16.
- Bowling alley, Outdoor. W. H. Purnell. 1,965,055; July 3.
- Bowling-alley pin and making same. W. H. Williams. 1,983,722; Dec. 11.
- Bowling alley, Portable. J. R. Johnsen and A. Olfort. 1,976,563; Oct. 9.
- Bowling alley, Portable. A. H. Stuke. 1,965,715; July 10.
- Bowling alley, Sectional portable. C. S. Hagy. 1,962,899; June 12.
- Bowling pin. H. E. McKenzie. 1,969,378; Aug. 7.
- Box: See—
- Animal holding box. Journal box.
- Automatic fare box. Junction box.
- Bearing axle box. Knocked down box.
- Bearing box. Lighting unit box.
- Beauty box. Locomotive driver box.
- Berry box. Loom shuttle box.
- Board knock-down box. Mail box.
- Bread box. Make-up box.
- Brooder box. Match box.
- Burial box. Merchandise box.
- Cake box. Meter box.
- Cardboard box. Miter box.
- Cash fare box. Nesting box.
- Cellophane box. Novelty lock box.
- Chick box. Ornamental box.
- Cigarette box. Outlet box.
- Coal washer box. Packing and display box.
- Collapsible box. Pad box.
- Collapsible egg box. Panel or switch box.
- Convertible play box. Paper box.
- Cosmetic box. Pasteboard box.
- Cushioned egg box. Pillerproof box.
- Display box. Plug connecting and terminal box.
- Drawer and shell box. Powder box.
- Egg box. Razor blade box.
- Electric meter service box. Safety box.
- Electrical outlet box. Safety deposit box.
- Exhaust box. Safety lock box.
- Face powder box. Safety razor box.
- File box. Shadow box.
- Fire box. Shipping box.
- Floating stuffing box. Signal box.
- Floor and wall junction box. Spool box.
- Fly box. Stuffing box.
- Folding box. Suds box.
- Folding blank box. Switch box.
- Folding egg box. Switch or junction box.
- Folding fruit box. Terminal box.
- Fuse box. Tobacco box.
- Hair treating box. Utility sewing box.
- Jewelry box. Vanity box.
- Box. C. S. Andrews. 1,941,528; Jan. 2.
- Box. C. S. Andrews. 1,946,433; Feb. 6.
- Box. H. Berney. 1,974,792; Sept. 25.
- Box. P. F. Boeye. 1,959,193; May 15.
- Box. P. F. Boeye. 1,979,956; Nov. 6.
- Box. J. C. Crawford. 1,980,851; Nov. 13.
- Box. F. J. Dolan. 1,964,175; July 3.
- Box. L. A. Ekers. Des. 91,649; Mar. 6.
- Box. A. W. Ewers. 1,950,104; Mar. 6.
- Box. P. H. Ganz. Des. 93,975; Dec. 4.
- Box. C. H. Goodnow. 1,947,199; Feb. 13.
- Box. J. F. Halladay and M. E. Holy. 1,974,674; Sept. 25.
- Box. W. H. Kammer. 1,963,272; June 19.
- Box. A. M. Kamper. 1,964,852; July 3.
- Box. G. R. Kreider, jr. 1,977,679; Oct. 23.
- Box. G. R. Kreider, jr. 1,979,835; Nov. 6.
- Box. E. G. Levkoff. Des. 91,830; Mar. 27.
- Box. H. V. Marsh. 1,947,865; Feb. 20.
- Box. H. V. Marsh. 1,974,925; Sept. 25.
- Box. H. V. Marsh. 1,975,963; Oct. 9.
- Box. C. F. McAleer. 1,961,375; June 5.
- Box. N. Scandore. 1,950,195; Mar. 6.
- Box. J. S. Stokes. 1,983,323; Dec. 4.
- Box. L. W. Sutherland. 1,941,514; Jan. 2.
- Box. R. Tricard. Des. 92,780; July 10.
- Box. W. Trogman. 1,959,649; May 22.
- Box. N. Tufts. 1,966,875; July 17.
- Box and brooder, Shipping. G. E. Romberger and R. A. Gorsuch. 1,977,467; Oct. 16.
- Box and container, Jewelry. M. Lehmann. 1,944,714; Jan. 23.
- Box and crate. G. C. Babcock and E. R. Stivers. 1,956,970; May 1.
- Box and fastened. D. M. Holbrook. 1,970,751; Aug. 21.
- Box and hanger bar, Outlet. J. Knell. 1,982,957; Dec. 4.
- Box and hanger therefor, Garment. I. Dukas. 1,961,742; June 5.
- Box and ornamental strip therefor, Ornamental. A. C. Flinn. 1,982,952; Dec. 4.
- Box and receptacle, Unit wall. H. Hubbell, jr. 1,971,302; Aug. 21.
- Box and support therefor, Outlet. E. R. Le Manquais. 1,960,451; July 17.
- Box attachment. J. W. Lyell, jr. 1,951,515; Mar. 20.
- Box attachment device. E. J. Selen. 1,957,003; May 1.
- Box blank mechanism. C. Ruble, C. L. Bond, and E. P. Drake. 1,983,708; Dec. 11.
- Box construction. J. F. Maurer, jr. 1,953,763; Apr. 3.
- Box construction. J. R. Miller. 1,942,970; Jan. 9.
- Box construction. N. Ottinger. 1,971,197-8; Aug. 21.
- Box construction. E. J. Schoettle. 1,959,277; May 15.
- Box construction. O. W. Sharp and N. A. Fowler. 1,973,932; Sept. 18.
- Box construction. J. R. Watkins. 1,965,871; July 10.
- Box construction, Veneer. W. O. Brown. 1,952,360; Mar. 27.
- Box cover and display stand, Convertible. B. J. Davidson. 1,965,794; July 10.
- Box cover fastener. E. M. Leckband. 1,973,572; Sept. 11.
- Box covering machine. D. and R. C. Tower. 1,961,436; June 5.
- Box covering method and product. F. R. Neely. 1,942,362; Jan. 2.
- Box dumping device. J. D. Morgan. 1,967,719; July 24.
- Box dumping machine. F. Stebler and G. E. Stilwell. 1,955,983; Apr. 24.
- Box ends and like constructions, Making of. H. J. Taplin. 1,961,949; June 5.
- Box fastener. A. J. Maurer. 1,950,255; Mar. 6.
- Box fastener. A. A. Weller. 1,953,322; Apr. 3.
- Box folding machine. P. R. Simmons. 1,949,495; Mar. 6.
- Box for burial caskets, Shipping. F. C. Enderle. 1,973,947; Sept. 18.
- Box for butter and other goods, Packing. O. U. B. J. Bruna. 1,983,436; Dec. 4.
- Box for cosmetics and the like. F. G. Purinton. 1,969,673; Aug. 7.
- Box for hexagonal socket wrenches, Tool. C. E. Little. 1,944,606; Jan. 23.
- Box for holding bottles. A. M. Hooven and J. H. Fulkerson. 1,974,713; Sept. 25.
- Box for such articles as cigars and cigarettes, Delivery. C. F. Stone. 1,985,585; Dec. 25.
- Box for thermographic printing, Dusting. G. W. Raabe. 1,945,231; Jan. 30.
- Box hook. N. G. Horwitt. 1,963,552; June 19.
- Box lid holder. L. A. Pazandak. 1,945,375; Jan. 30.
- Box machine. H. K. Dickermann and J. W. McCarthy. 1,957,059; May 1.
- Box machine. N. Marcalus. 1,947,561; Feb. 20.
- Box making. G. H. and A. G. Snyder. 1,970,580; Aug. 21.
- Box making. G. H. and A. G. Snyder. 1,970,582; Aug. 21.
- Box-making frame. O. E. Odland. 1,965,780; July 10.
- Box making machine. V. Czerwiny. 1,962,638; June 12.
- Box making machine. C. D. Knowlton. 1,983,547; Dec. 11.
- Box-making machine. F. R. Row. 1,943,840; Jan. 16.
- Box making machine. G. H. and A. G. Snyder. 1,970,581; Aug. 21.
- Box making machine. H. E. Twomley. 1,978,613; Oct. 30.
- Box marking appliance. R. V. Waughtel and R. A. McDermont. 1,974,634; Sept. 25.
- Box-operating mechanism for looms. A. J. Bartson. 1,970,833; Aug. 21.
- Box or carton. C. T. Auch. 1,953,385; Apr. 3.
- Box or carton. W. Brunner. 1,967,348; July 24.
- Box or carton. T. B. Schmidt. 1,944,305; Jan. 23.
- Box or carton, Collapsible. H. Levine. 1,954,595; Apr. 10.
- Box or carton, Packing. R. E. Rutledge. 1,974,897; Sept. 25.
- Box or container for ice cream and molded materials. C. F. McAleer. 1,953,884; Apr. 3.
- Box or container partition-crate for bottles and other objects. J. E. Wooten. 1,950,766; Mar. 13.
- Box or crate. W. O. Brown. 1,982,367; Nov. 27.
- Box or crate and manufacture thereof, Wirebound. W. F. Newhouse. 1,954,021; Apr. 10.
- Box or receptacle for powders. O. M. Shepherd and C. Keith-Thomas. 1,968,177; July 31.
- Box or similar container. C. K. Ellsworth. Des. 91,578; Feb. 20.
- Box packing machine. W. B. Ranney, A. C. Kappes, and A. E. Johnson. 1,954,842; Apr. 17.
- Box partition. F. A. Hoeh. 1,965,143; July 3.
- Box partition. M. J. Parnin. 1,978,719; Oct. 30.
- Box parts, Method of and machine for combining. M. Willett. 1,980,871; Nov. 13.
- Box toe. H. S. Miller. 1,978,954; Oct. 30.
- Box with hinged lid. F. A. Aman and H. B. Sandmann, jr. 1,948,433; Feb. 27.
- Boxes and the like, Making paper. S. Bergstein. 1,956,820; May 1.
- Boxes, Construction for mail. H. F. Keil. 1,957,271; May 1.
- Boxes, Device for opening and folding of outside. E. A. Zimniak. 1,954,908; Apr. 17.
- Boxes, Making wirebound. G. L. Colbie. 1,980,474; Nov. 13.
- Boxes, Manufacture of lined. J. S. Stokes. 1,960,800; May 29.
- Boxes, Manufacture of two-part. J. Schmiedel. 1,943,147; Jan. 9.
- Boxes, Method of and apparatus for filling. R. Guyer. 1,953,173; Apr. 3.
- Boxes, Process and machine for automatic manufacture of one-piece. G. Meyer-Jagenberg. 1,952,987; Mar. 27.

Boxes, such as match boxes, Method and machine for manufacturing. F. Mange. 1,985,180; Dec. 18.
Boxing and ventilating means for mattresses and the like. H. E. Wolf. 1,963,318; June 19.

Brace: See—

Heel brace. Shoulder brace.
Ladder brace. Stepladder brace.
Brace and forming concrete structures. S. M. Gooder. 1,963,362; June 19.
Brace apparatus for a wheel. S. Saito. 1,979,644; Nov. 6.
Brace attachment for curb service trays. F. S. Lack. 1,944,745; Jan. 23.
Brace for ironing tables and the like. H. J., C. T., and H. J. Gilbert. 1,966,715; July 17.
Brace. Leather. E. S. Mix. 1,972,533; Sept. 4.
Bracelet. W. C. Boots. 1,971,094; Aug. 21.
Bracelet. D. Dubassoff. 1,957,161; May 1.
Bracelet. S. A. Johnson. 1,970,041; Aug. 14.
Bracelet. C. B. Oulton. Des. 93,037; Aug. 14.
Bracelet. A. M. Reid. Des. 93,422; Sept. 25.
Bracelet. A. M. Reid. 1,978,168; Oct. 23.
Bracelet. E. Schissel. Des. 94,054; Dec. 11.
Bracelet and cosmetic holder, Combination. J. I. Hackel. 1,975,507; Oct. 2.

Bracelet chain. I. F. Slocum. 1,970,400; Aug. 14.
Bracelet connector. C. A. Domler. 1,966,063; July 10.
Bracelet for curtain rods. D. H. Rosenberg. 1,948,734; Feb. 27.

Bracelet or similar article. B. F. Conner. Des. 91,604-5; Feb. 27.

Bracelet or similar article. W. M. Stockman. Des. 91,851; Mar. 27.

Bracelet or similar article of jewelry. J. M. Miller and G. F. Fenton. Des. 91,450; Jan. 30.

Bracelet or similar article of jewelry. J. M. Miller and G. F. Fenton. Des. 91,719; Mar. 13.

Bracelet or similar article of jewelry. J. M. Miller and G. F. Fenton. Des. 94,039-40; Dec. 11.

Bracelet, Watch. C. Feid. 1,985,249; Dec. 25.

Bracing for coiled tubular units. E. Rawson. 1,973,100; Sept. 11.

Bracing means for telephone poles and the like. E. E. Presley. 1,975,555; Oct. 2.

Bracing members on tubular members constituting the spars of aircraft or other structures, Apparatus for assembling and securing. B. N. Wallis. 1,956,480; Apr. 24.

Bracket: See—

Adjustable insulator bracket. Orthodontia band bracket.
Article supporting bracket. Radiator bracket.
Awning arm bracket. Roof bracket.
Curtain bracket. Running board bracket.
Curtain roller bracket. Scaffold bracket.
Folding bracket. Shade bracket.
Hanger bracket. Spring bracket.
Hinge bracket. Structural steel bracket.
Hinged bracket. Supporting bracket.
Housing bracket. Tie bracket.
Ladder bracket. Track bracket.
Light bracket. Window bracket.
Mirror bracket. Window shade bracket.

Bracket. L. Bisset. 1,943,200; Jan. 9.

Bracket. J. N. Kinney. 1,950,250; Mar. 6.

Bracket. J. J. Knappe. 1,983,470; Dec. 4.

Bracket and hanger. E. F. Hunt. 1,982,214; Nov. 27.

Bracket and rod coupling for curtain fixtures. G. H. Smith. 1,962,330; June 12.

Bracket and side holder, Double armed. R. Hetherington. 1,956,986; May 1.

Bracket and stop, Track. A. Wasberg. 1,982,275; Nov. 27.

Bracket for a turret standpipe. J. T. Corley. 1,984,360; Dec. 18.

Bracket for curtain and valance supporting extensible rods. I. Pektur. 1,963,802; June 19.

Bracket for curtains, etc., Hooded. W. J. Stuber. 1,960,983; May 29.

Bracket for lamps, Adjustable. L. C. Doane. 1,945,739; Feb. 6.

Bracket for laundry tubs, Leg. O. S. Burman. 1,949,099; Feb. 27.

Bracket or similar article, Handle hinge. A. F. Beck. Des. 91,858; Apr. 3.

Bracket or similar article, Lighting fixture. R. C. Gregg. Des. 92,345-8; May 29.

Bracket or similar article, Supporting. T. C. Keefe. Des. 92,356; May 29.

Brackets, Producing orthodontic band. S. Richardson. 1,976,141; Oct. 9.

Braid, Elastic. R. T. Dawes. 1,948,844; Feb. 27.

Braid, Elastic lace. O. E. Huber. Des. 92,175; May 8.

Braid or the like. W. Kaplan. Des. 93,406-7; Sept. 25.

Braided article and making the same, Elastic. G. Gas-trich. 1,978,259; Oct. 23.

Braider bobbin carrier. B. N. Bavis. 1,981,896; Nov. 27.

Braider carrier. F. Mossberg. 1,970,390; Aug. 14.

Braiding carrier. H. Janssen. 1,955,718; Apr. 17.

Braiding machine. W. W. Bardsley. 1,968,240; July 31.

Braiding machine. F. Dick. 1,972,131; Sept. 4.

Braiding machine. A. Gamba. 1,983,222-4; Dec. 4.

Braiding machine. E. K. Standish. 1,955,206; Apr. 17.

Braiding machine. E. K. Standish. 1,958,098; May 8.

Braiding machine. E. K. Standish. 1,981,877; Nov. 20.

Braiding machine. W. C. Wright. 1,952,007; Mar. 20.

Brake: See—

Air brake. Internal expanding brake.
Air controlled brake. Internal expansion brake.
Airplane brake. Magnetic brake.
Automobile brake. Magnetic duo-servo brake.
Automatic parking brake. Mechanical power brake.
Clasp brake. Mine car brake.
Disk brake. Motor brake.
Electric brake. Motor vehicle brake.
Electrically operated brake. Multiple shoe brake.
Electro-mechanical brake. Multiple disk brake.
Electropneumatic brake. Opposed disk brake.
Empty and load brake. Railway brake.
Expanding brake. Reverse brake.
Fluid brake. Rolling ladder brake.
Fluid pressure actuated brake. Safety brake.
Friction brake. Safety transmission brake.
Hand brake. Self-energizing brake.
Hub brake. Unit cylinder clasp brake.
Hydraulic brake. Vacuum brake.
Hydraulic load brake. Vehicle brake.
Wheel brake.

Brake. J. A. Albert. 1,941,965; Jan. 2.

Brake. W. J. Andres. 1,954,519; Apr. 10.

Brake. W. J. Andres. 1,961,837; June 5.

Brake. W. J. Andres. 1,971,594; Aug. 28.

Brake. W. J. Andres. 1,981,939; Nov. 27.

Brake. V. G. Apple. 1,968,590; July 31.

Brake. V. Bendix and L. E. La Brie. 1,967,390; July 24.

Brake. J. Bittner. 1,978,666; Oct. 30.

Brake. E. B. Boughton. 1,966,750; July 17.

Brake. M. W. Bowen. 1,944,490; Jan. 23.

Brake. R. P. Breesee. 1,978,667; Oct. 30.

Brake. B. W. Brewster. 1,972,288; Sept. 4.

Brake. L. C. Brisson. 1,980,611; Nov. 13.

Brake. C. W. Collins. 1,956,315; Apr. 24.

Brake. M. M. Cunningham. 1,974,561; Sept. 25.

Brake. T. Davidson. 1,954,801; Apr. 17.

Brake. W. H. Delahaye. 1,963,958; June 26.

Brake. A. Y. Dodge. 1,967,398; July 24.

Brake. A. Y. Dodge. 1,971,602; Aug. 28.

Brake. A. Y. Dodge. 1,974,562-3; Sept. 25.

Brake. A. Y. Dodge. 1,978,698-9; Oct. 30.

Brake. A. Y. Dodge. 1,982,798; Dec. 4.

Brake. E. E. Evans. 1,946,526; Feb. 13.

Brake. H. Ford. 1,955,454; Apr. 17.

Brake. F. C. Frank. 1,957,636-7; May 8.

Brake. F. C. Frank. 1,961,848; June 5.

Brake. F. G. Frank. 1,964,148; June 26.

Brake. D. L. Gallup. 1,961,851; June 5.

Brake. D. L. Gallup. 1,967,402; July 24.

Brake. D. L. Gallup. 1,974,565; Sept. 25.

Brake. R. A. Goepfrich. 1,944,136; Jan. 16.

Brake. R. A. Goepfrich. 1,954,524; Apr. 10.

Brake. R. A. Goepfrich. 1,964,150; June 26.

Brake. R. A. Goepfrich. 1,967,403; July 24.

Brake. H. E. Golliner. 1,946,849; Feb. 13.

Brake. P. E. Hall. 1,971,608; Aug. 28.

Brake. U. H. Hardesty. 1,978,046; Oct. 23.

Brake. K. D. Herrmann. 1,961,858; June 5.

Brake. B. E. House. 1,974,536; Sept. 25.

Brake. G. F. Houston. 1,967,407; July 24.

Brake. F. A. S. Iversen. 1,950,306; Mar. 6.

Brake. T. A. Keen. 1,980,206; Nov. 13.

Brake. C. G. Keller. 1,947,091; Feb. 13.

Brake. R. F. Kohr. 1,961,860; June 5.

Brake. R. F. Kohr. 1,981,957; Nov. 27.

Brake. W. L. Kriegl. 1,962,081; June 5.

Brake. L. E. La Brie. 1,943,830; Jan. 16.

Brake. L. E. La Brie. 1,954,530-1; Apr. 10.

Brake. L. E. La Brie. 1,964,162-3; June 26.

Brake. L. E. La Brie. 1,967,411-14; July 24.

Brake. L. E. La Brie. 1,971,861; Aug. 28.

Brake. L. E. La Brie. 1,978,679; Oct. 30.

Brake. L. E. La Brie. 1,984,883; Dec. 18.

Brake. F. Ljungström. 1,952,324; Mar. 27.

Brake. J. P. Mahoney. 1,981,961; Nov. 27.

Brake. R. R. Mauk and T. A. Crowder. 1,954,254; Apr. 10.

Brake. M. W. McConkey. 1,976,451; Oct. 5.

Brake. E. C. McDonald. 1,971,616; Aug. 28.

Brake. E. G. McDonald. 1,981,963; Nov. 27.

Brake. E. G. McDonald. 1,985,418; Dec. 25.

Brake. M. B. Morgan. 1,975,553; Oct. 2.

Brake. G. F. Michael. 1,966,129; July 10.

Brake. R. J. Norton. 1,949,176; Feb. 27.

Brake. R. J. Norton. 1,954,534; Apr. 10.

Brake. R. J. Olander. 1,963,210; June 19.

Brake. H. F. Parker. 1,946,032; Feb. 6.

Brake. H. F. Parker. 1,974,582-3; Sept. 25.

Brake. H. F. Parker and B. E. House. 1,950,625; Mar. 13.

Brake. S. Powell. 1,946,758; Feb. 13.

Brake. C. Press. 1,971,621; Aug. 28.

Brake. E. Reid. 1,974,509; Sept. 25.

Brake. G. L. Roberts. 1,962,939; June 12.

Brake. A. Rosner. 1,978,723; Oct. 30.

Brake. R. S. Sanford. 1,943,841-2; Jan. 16.

Brake. R. S. Sanford. 1,946,036; Feb. 6.

Brake. R. S. Sanford. 1,947,880; Feb. 20.

Brake. R. S. Sanford. 1,954,538-40; Apr. 10.

Brake. R. S. Sanford. 1,961,830-1; June 5.

Brake. R. S. Sanford. 1,964,181; June 26.

Brake. R. S. Sanford. 1,966,139-40; July 10.

Brake. R. S. Sanford. 1,972,203; Sept. 4.

Brake. R. S. Sanford. 1,982,832; Dec. 4.

- Brake. H. E. Shepherd. 1,982,235; Nov. 27.
 Brake. L. K. Snell. 1,974,589; Sept. 25.
 Brake. L. K. Snell. 1,982,360; Nov. 27.
 Brake. R. Stein. 1,947,811; Feb. 20.
 Brake. W. G. Stoner. 1,953,572; Apr. 3.
 Brake. J. W. Tatter. 1,985,588; Dec. 25.
 Brake. C. H. Taylor. 1,966,151; July 10.
 Brake. E. V. Taylor. 1,950,275-6; Mar. 6.
 Brake. E. V. Taylor. 1,953,996; Apr. 10.
 Brake. E. V. Taylor. 1,967,382; July 24.
 Brake. E. V. Taylor. 1,967,386; July 24.
 Brake. E. V. Taylor. 1,976,419-20; Oct. 9.
 Brake. E. V. Taylor. 1,985,671-2; Dec. 25.
 Brake. H. D. Van Brunt. 1,984,348; Dec. 11.
 Brake. J. W. White. 1,963,479; June 19.
 Brake actuating lever. W. S. Saunders and T. A. McGregor. 1,983,192; Dec. 4.
 Brake actuator, Adjustable. R. B. Temple. 1,959,116; May 15.
 Brake adjuster. P. B. Camp. 1,947,404; Feb. 13.
 Brake adjuster. P. B. Camp. 1,971,368; Aug. 28.
 Brake and accelerator control, Auxiliary. H. W. Allison and S. M. Crumb. 1,970,160; Aug. 14.
 Brake and clutch. J. P. Rock. 1,943,930; Jan. 16.
 Brake and clutch control mechanism. N. M. Lower. 1,959,483; May 22.
 Brake and clutch operating mechanism. E. H. Schweering. 1,973,826; Sept. 18.
 Brake and clutch pedal pad. O. C. Ritz-Woller. 1,950,631; Mar. 13.
 Brake and cooling means for hoisting drums, Hydraulic. L. J. Black. 1,956,188; Apr. 24.
 Brake and door system for vehicles, Interconnected. P. R. Forman. 1,943,819; Jan. 16.
 Brake and electric ignition control for automobiles, Automatic. J. C. Fogarty, Jr. 1,951,189; Mar. 13.
 Brake and other lever, Automobile hand. J. H. Wyndham. 1,975,492; Oct. 2.
 Brake and starter control mechanism. V. G. Apple. 1,968,591; July 31.
 Brake apparatus. E. G. Carroll. 1,943,886; Jan. 16.
 Brake apparatus for a wheel. S. Saito. 1,979,906; Nov. 6.
 Brake apparatus for automobiles, Dual. E. G. Carroll. 1,978,669; Oct. 30.
 Brake apparatus, Load. E. E. Hewitt. 1,964,055; June 26.
 Brake applying device, Automatic. J. Kopay. 1,972,659; Sept. 4.
 Brake applying device for trailers. V. A. Hamilton. 1,960,742; May 29.
 Brake arrangement, Vehicle. R. Guimaraes. 2d. 1,985,346; Dec. 25.
 Brake assembly. C. A. Sawtelle and A. A. Darmstaetter. 1,950,572; Mar. 13.
 Brake assembly, Band. F. J. Young. 1,956,432; Apr. 24.
 Brake band. F. L. Munroe. 1,979,988; Nov. 6.
 Brake band. C. B. Thompson. 1,947,887; Feb. 20.
 Brake beam. E. G. Busse. 1,947,579; Feb. 20.
 Brake beam. J. L. Mohun. 1,947,580; Feb. 20.
 Brake beam and making the same. N. H. Davis. 1,983,122; Dec. 4.
 Brake beam safety support. J. C. Carothers. 1,969,923; Aug. 14.
 Brake beam strut. J. Iremeyer. 1,943,271; Jan. 9.
 Brake booster. A. H. Wiseman. 1,977,786; Oct. 23.
 Brake cable connector, Adjustable automobile. P. Bischof. 1,971,366; Aug. 28.
 Brake condition indicator. C. B. Dale. 1,951,597; Mar. 20.
 Brake connection. J. P. Mahoney. 1,947,914; Feb. 20.
 Brake construction. E. R. Evans. 1,964,112; June 26.
 Brake construction. E. R. Evans. 1,972,139; Sept. 4.
 Brake construction, Power. E. A. Rockwell. 1,946,112; Feb. 6.
 Brake construction, Railway. H. M. Pfleger. 1,967,478; July 24.
 Brake construction, Tongue actuated. E. D. Sullivan and J. R. Abbott. 1,950,274; Mar. 6.
 Brake control. C. A. Brewer. 1,943,296; Jan. 16.
 Brake control. W. Fetter. 1,979,029; Oct. 30.
 Brake control. J. Sneed. 1,959,692; May 22.
 Brake control. J. Sneed. 1,961,798; June 5.
 Brake control, Automatic. J. Whyte. 1,967,698; July 24.
 Brake control, Electric automatic. F. I. Rowley. 1,982,354; Nov. 27.
 Brake control, Fluid pressure. J. S. Leeb and C. J. Huber. 1,953,242; Apr. 2.
 Brake control, Fluid pressure. M. L. Masteller. 1,952,557; Mar. 27.
 Brake control, Front wheel. O. Robinson. 1,977,895; Oct. 23.
 Brake control mechanism. F. W. Pooley. 1,945,070; Jan. 30.
 Brake control mechanism, Electrical and mechanical. V. G. Apple. 1,978,663; Oct. 30.
 Brake cooling means. E. B. Boughton. 1,952,967; Mar. 27.
 Brake cylinder, Fluid pressure. A. G. Breckenbury. 1,964,029; June 26.
 Brake cylinder lubricator. C. C. Farmer. 1,972,732; Sept. 4.
 Brake device, Load. C. C. Farmer. 1,980,328; Nov. 13.
 Brake device, Load. F. B. Thomas, E. E. Hewitt, and E. R. Fitch. 1,960,323; May 29.
 Brake device, Vacuum control. R. C. Zastrow. 1,966,660; July 17.
 Brake dressing and process therefor. W. R. Thurston. 1,980,016; Nov. 6.
 Brake drum. C. S. Bragg. 1,969,775; Aug. 14.
 Brake drum. C. S. Bragg. 1,978,563-4; Oct. 30.
 Brake drum. T. V. Buckwalter. 1,982,900; Dec. 4.
 Brake drum. D. P. Forbes. 1,966,169; July 10.
 Brake drum. G. A. Hull. 1,969,133; Aug. 7.
 Brake drum. A. A. Kopf. 1,951,363; Mar. 20.
 Brake drum. F. H. Lejeune. 1,947,782; Feb. 20.
 Brake drum. K. E. Lyman. 1,974,662; Sept. 25.
 Brake drum. R. B. Metzner. 1,953,815; Apr. 3.
 Brake drum. W. A. Mulhern. 1,944,261; Jan. 23.
 Brake drum. R. J. Norton. 1,946,103; Feb. 6.
 Brake drum. R. J. Norton. 1,966,130; July 10.
 Brake drum. J. Stanitz. 1,985,525; Dec. 25.
 Brake drum. S. M. Udale. 1,943,641; Jan. 16.
 Brake drum. S. M. Udale. 1,955,156; Apr. 17.
 Brake drum. S. M. Udale. 1,972,251; Sept. 4.
 Brake drum. R. H. Walker. 1,974,905; Sept. 25.
 Brake drum and making same. J. P. Mahoney. 1,954,532; Apr. 10.
 Brake drum closure. H. Perrot. 1,943,837; Jan. 16.
 Brake drum construction. E. R. Evans. 1,953,217; Apr. 3.
 Brake drum construction, Cast. E. A. Nelson. 1,975,968; Oct. 9.
 Brake drum, Device to prevent the scoring of a. G. S. Lane. 1,947,719; Feb. 20.
 Brake drum for hoisting reels. B. Boykin, Jr. 1,946,269; Feb. 6.
 Brake drum, Forming a. J. W. White. 1,943,198; Jan. 9.
 Brake drum, Manufacturing a. C. W. Dake. 1,983,839; Dec. 11.
 Brake drum swaging machine. R. H. Rosenberg. 1,943,089; Jan. 9.
 Brake drum truing machine. H. B. Barrett. 1,977,791; Oct. 23.
 Brake drums and apparatus therefor, Forming. J. E. Batle. 1,952,304; Mar. 27.
 Brake drums, Carburizing. A. L. Boegehold, C. J. Tobin, and C. F. Smart. 1,967,077; July 17.
 Brake drums, Casting. D. J. Campbell. 1,943,720; Jan. 16.
 Brake drums, Forming. J. MacLennan. 1,943,224; Jan. 9.
 Brake drums, Forming. J. W. Vanderveer. 1,970,027; Aug. 14.
 Brake drums, Making. A. L. Boegehold and C. J. Tobin. 1,953,925; Apr. 10.
 Brake drums, Making. E. G. Budd. 1,943,056; Jan. 9.
 Brake drums, Producing. C. W. Dake. 1,954,665; Apr. 10.
 Brake drums, Producing composite. D. J. Campbell. 1,974,949; Sept. 25.
 Brake drums provided with friction linings, Production of. C. S. Bragg. 1,973,043; Sept. 11.
 Brake equalizing device. H. T. Hawkinson. 1,975,272; Oct. 2.
 Brake equalizing device. C. E. Korneluk. 1,955,504; Apr. 17.
 Brake equalizing means. W. K. Atcheson. 1,970,725; Aug. 21.
 Brake equipment for automotive vehicles. N. A. Miner. 1,968,701; July 31.
 Brake equipment, Locomotive. J. C. McCune. 1,980,420; Nov. 13.
 Brake extension lever. J. R. Thorp. Des. 93,056; Aug. 14.
 Brake fluid. C. W. Copeland. 1,943,813; Jan. 16.
 Brake fluid, Hydraulic. A. T. K. Tseng. 1,952,105; Mar. 27.
 Brake for aircraft, Air. H. D. Black. 1,945,214; Jan. 30.
 Brake for aeroplanes. W. W. Rothenhoefer. 1,973,017; Sept. 11.
 Brake for airplane landing gear. O. E. Wolff. 1,982,617; Nov. 27.
 Brake for an airplane antenna winch, Centrifugal. F. Burghardt. 1,942,534; Jan. 9.
 Brake for cat heads. F. Kinzbach. 1,964,262; June 26.
 Brake for controlling unrolling of cloth. P. A. Dillingham. 1,983,440; Dec. 4.
 Brake for dual wheel organizations. A. C. Fuhrman. 1,975,206; Oct. 2.
 Brake for mechanical lures. W. M. Bacon, Jr. 1,961,998; June 5.
 Brake for motor cars. B. R. Dierfeld. 1,961,207; June 5.
 Brake for motor road vehicles. O. D. North and P. G. Hugh. 1,972,353; Sept. 4.
 Brake for motor vehicles, Automatic back-drift. D. C. Bankert. 1,973,891; Sept. 18.
 Brake for phonographs, Automatic. B. R. Carson. 1,956,548; May 1.
 Brake for railways, Magnetic. C. A. Poe. 1,960,595; May 29.
 Brake for revolving doors. J. H. Grabam. 1,947,845; Feb. 20.
 Brake for sheet feeding apparatus. G. A. Martin. 1,984,888; Dec. 18.
 Brake for shuttles, particularly of shuttle embroidering machines, Thread. A. Meier. 1,980,544; Nov. 13.
 Brake for trailers, Positive. S. B. Winn. 1,974,169; Sept. 18.
 Brake for winding drums. R. E. Kline. 1,968,210; July 31.
 Brake gear support. T. C. McConkey. 1,948,529; Feb. 27.

- Brake governor, Automatic. F. I. Rowley. 1,985,744; Dec. 25.
- Brake hanger. F. Schaefer. 1,942,777; Jan. 9.
- Brake hanger retainer. V. H. Harbert. 1,978,576; Oct. 30.
- Brake hangers, Producing. F. Schaefer. 1,964,601; June 26.
- Brake head. C. C. Baker and W. H. Baselt. 1,981,023; Nov. 20.
- Brake head. J. K. Blakeslee. 1,942,743; Jan. 9.
- Brake head and shoe assembly. T. K. Cummins. 1,956,414; Apr. 24.
- Brake head and shoe, Railway. J. Murphy. 1,983,302; Dec. 4.
- Brake head, Underslung. D. Paterson. 1,963,335; June 19.
- Brake hook-up. J. Sneed. 1,958,681; May 15.
- Brake hook-up. J. Sneed. 1,959,693; May 22.
- Brake housing and wheel, Combined. C. Sauzedde. 1,982,698; Dec. 4.
- Brake lever construction. H. Molly. 1,948,991; Feb. 27.
- Brake lever, Emergency. H. Schnakenberg. 1,979,907; Nov. 6.
- Brake lining. A. Rosner. 1,964,178; June 26.
- Brake lining and making the same. J. H. Simpson, jr., and A. B. Merrill. 1,958,116; May 8.
- Brake lining composition. R. L. Seabury and L. W. Murray. 1,969,041; Aug. 7.
- Brake lining compound and manufacturing it. W. Nanfeldt. 1,980,221; Nov. 13.
- Brake lining, Making flexible molded. W. G. Kitchen. 1,983,464; Dec. 4.
- Brake lining material, Molded. A. T. K. Eseng, A. B. Kempel, and R. Schar. 1,963,511; June 19.
- Brake lining to brake shoe, Attachment of. E. R. Evans. 1,950,977; Mar. 13.
- Brake linings, Apparatus for forming and curing. C. P. Brockway. 1,948,491; Feb. 27.
- Brake linings containing frictional compounds, Making. W. Nanfeldt. 1,959,686; May 22.
- Brake linings, Manufacture of. H. F. Parker. 1,961,863; June 5.
- Brake linkage. E. R. Evans. 1,947,905; Feb. 20.
- Brake linkage. E. R. Evans. 1,950,602; Mar. 13.
- Brake linkage. E. R. Evans. 1,970,904; Aug. 21.
- Brake linkage. E. R. Evans. 1,981,617; Nov. 20.
- Brake lock, Automatic automobile. L. J. Adams. 1,976,471; Oct. 9.
- Brake master cylinder, Compound hydraulic. A. J. Sinclair and H. E. Maynard. 1,958,722; May 15.
- Brake mechanism. G. Ainsworth. 1,974,556; Sept. 25.
- Brake mechanism. V. G. Apple. Re19,230; July 10.
- Brake mechanism. V. G. Apple. 1,968,584-5; July 31.
- Brake mechanism. H. G. Beettam, jr. 1,954,467; Apr. 10.
- Brake mechanism. E. B. Bell. 1,942,044; Jan. 2.
- Brake mechanism. H. B. Benson. 1,946,892; Feb. 13.
- Brake mechanism. F. J. Bigler and E. J. Crane. 1,954,515; Dec. 18.
- Brake mechanism. C. S. Bragg and V. W. Kliesrath. 1,954,520; Apr. 10.
- Brake mechanism. W. R. Brewer. 1,946,928; Feb. 13.
- Brake mechanism. W. K. Burgess. 1,968,025; July 31.
- Brake mechanism. J. D. Campbell. 1,947,826; Feb. 20.
- Brake mechanism. C. W. Collins. 1,956,516; Apr. 24.
- Brake mechanism. L. C. Huck. 1,962,658; June 12.
- Brake mechanism. E. G., A. W., and R. G. Klammer. 1,966,670; July 17.
- Brake mechanism. V. W. Kliesrath. 1,982,816; Dec. 4.
- Brake mechanism. M. Loughhead. 1,956,039; Apr. 24.
- Brake mechanism. H. Naeder. 1,943,184; Jan. 9.
- Brake mechanism. E. A. Nelson. 1,977,916; Oct. 23.
- Brake mechanism. E. Price. 1,961,780; June 5.
- Brake mechanism. R. S. Sanford. Re19,040; Jan. 2.
- Brake mechanism. E. J. Simanek. 1,960,716; May 29.
- Brake mechanism. E. J. Simanek. 1,969,159; Aug. 7.
- Brake mechanism. J. Sneed. 1,945,166; Jan. 30.
- Brake mechanism. J. W. Tatter. 1,961,435; June 5.
- Brake mechanism. E. V. Taylor. 1,947,886; Feb. 20.
- Brake mechanism, Fluid pressure controlled. F. L. Shelor. 1,948,190; Feb. 20.
- Brake mechanism, Fluid pressure controlled. F. L. Shelor. 1,958,839; May 15.
- Brake mechanism for automobiles. H. Josephson. 1,954,529; Apr. 10.
- Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,947,895; Feb. 20.
- Brake mechanism for motor vehicles. E. A. Dickey. 1,947,903; Feb. 20.
- Brake mechanism for motor vehicles. E. A. Dickey. 1,958,236-7; May 8.
- Brake mechanism for railway cars. P. B. Camp and J. Wilson. Re19,072; Feb. 6.
- Brake mechanism for trailers, Automatic. N. Lee. 1,983,474; Dec. 4.
- Brake mechanism for vehicles. A. Kazenmaier. 1,957,891; May 8.
- Brake mechanism for vehicles. W. C. Nabors. 1,951,765; Mar. 20.
- Brake mechanism for vehicles. W. Schroeder. 1,959,878; May 22.
- Brake mechanism for vehicles, Self-equalizing. E. Alterio and J. F. Clements. 1,984,352; Dec. 18.
- Brake mechanism, Four-wheel. W. Todd. 1,979,849; Nov. 6.
- Brake mechanism, Hand. T. K. Cummins and C. L. Emry. 1,944,546; Jan. 23.
- Brake mechanism, Hydraulic. H. C. Bowen. 1,963,114; June 19.
- Brake mechanism, Hydraulic. W. F. Oliver. 1,974,467; Sept. 25.
- Brake mechanism particularly for road vehicles. C. Bence. 1,972,004; Aug. 28.
- Brake mechanism, Power. R. L. Crim. 1,975,059; Sept. 25.
- Brake mechanism, Self-adjusting. C. Simon. 1,953,660; Apr. 3.
- Brake mechanism, Vehicle. V. G. Apple. 1,980,974; Nov. 20.
- Brake mechanism, Vehicle. N. A. Christensen. 1,944,921; Jan. 30.
- Brake mechanism, Vehicle. J. Sneed. 1,956,702; May 1.
- Brake member. R. J. Norton. 1,972,235; Sept. 4.
- Brake-meter and accelerometer. O. H. Blackwood. 1,934,824; Oct. 9.
- Brake operating means. C. E. Alma and H. Egen. 1,950,587; Mar. 13.
- Brake operating mechanism. W. J. Andres. 1,967,389; July 24.
- Brake-operating mechanism. G. E. Edmunds. 1,948,652; Feb. 27.
- Brake operating mechanism. G. H. Hunt. 1,954,528; Apr. 10.
- Brake operating mechanism. F. H. Ragan. 1,966,969; July 17.
- Brake-operating mechanism. R. T. St. James. 1,964,185; June 26.
- Brake operating mechanism. J. G. Vincent. 1,960,358; May 29.
- Brake operating mechanism. H. Williams and G. C. Burd. 1,970,680; Aug. 21.
- Brake operating system, Power vehicle. G. R. Powell. 1,962,649; June 12.
- Brake operator. R. J. Norton. 1,943,836; Jan. 16.
- Brake or retarder, Bowling ball. E. Hedenskoog. 1,979,466; Nov. 6.
- Brake pedal retaining device. H. Fischer. 1,965,459; July 3.
- Brake pipe clamp. P. P. Barthelemy and J. Wilson. 1,967,075; July 17.
- Brake release and cut-out valve, Emergency. L. D. Eason. 1,958,389; May 8.
- Brake release device. S. G. Down. 1,960,332; May 29.
- Brake release, Emergency. H. S. Sawatzky. 1,951,212; Mar. 13.
- Brake release, Emergency. H. S. Sawatzky. 1,977,597; Oct. 16.
- Brake rigging. B. H. Browall. 1,963,224; June 19.
- Brake rigging for railway cars. C. Hankins. 1,944,509; Jan. 23.
- Brake rigging for railway cars. C. Hankins. 1,977,849; Oct. 23.
- Brake rigging for railway cars. W. E. Wine. 1,951,075; Mar. 13.
- Brake rigging, Variable leverage. F. N. H. Setterwall. 1,949,187; Feb. 27.
- Brake rod cushioning device. P. C. Gianini. 1,950,882; Mar. 13.
- Brake rotor. R. J. Norton. 1,946,102; Feb. 6.
- Brake servo, Axially movable. E. J. Renaux. 1,957,668; May 8.
- Brake shaft support. K. E. Lyman. 1,946,086; Feb. 6.
- Brake shoe. C. W. Armbrust. 1,960,431; May 29.
- Brake shoe. R. W. Bonfield. 1,972,371; Sept. 4.
- Brake shoe. M. M. Cunningham. 1,954,521; Apr. 10.
- Brake shoe. M. M. Cunningham. 1,972,550; Sept. 4.
- Brake shoe. A. Nelson. Re19,294; Aug. 28.
- Brake shoe. H. F. Parker and B. E. House. 1,980,225; Nov. 13.
- Brake shoe. F. W. Sargent. 1,971,579; Aug. 28.
- Brake shoe. S. Whitworth. 1,947,894; Feb. 20.
- Brake shoe. W. H. Winters. 1,941,646; Jan. 2.
- Brake shoe. W. H. Winters. 1,949,670; Mar. 6.
- Brake shoe. W. H. Winters. 1,961,183-4; June 5.
- Brake shoe. W. H. Winters. 1,965,166; July 3.
- Brake shoe adjusting gauge. J. Kuhle. 1,965,843; July 10.
- Brake shoe adjustment, Automatic. S. G. Baits. 1,974,943; Sept. 25.
- Brake shoe and attaching lining to the same. G. W. Fissell. 1,947,839; Feb. 20.
- Brake shoe and making the same. F. A. Fahrenwald. 1,941,672; Jan. 2.
- Brake shoe assembly. G. Christenson. 1,975,713; Oct. 2.
- Brake shoe clearance adjuster. C. C. Farmer. 1,980,329; Nov. 13.
- Brake shoe construction. E. R. Evans. 1,957,635; May 8.
- Brake shoe, Making a. J. Sneed. 1,982,403; Nov. 27.
- Brake shoe, Lined. E. A. Nelson. 1,950,260; Mar. 6.
- Brake shoe, Semirigid. W. F. Oliver. Re19,188; May 29.
- Brake shoe structure. R. J. Norton. 1,950,262; Mar. 6.
- Brake shoes, Making. C. E. Budd. 1,950,223; Mar. 6.
- Brake shoes, Making. S. Whitworth. 1,972,212; Sept. 4.
- Brake slack adjuster. M. S. Johnson. 1,945,692; Feb. 6.
- Brake slack adjuster. F. H. Pietzsch and S. H. Campbell. 1,964,137-8; June 26.
- Brake support on square trailer axles, Mounting. H. R. Silver. 1,961,174; June 5.
- Brake system, Equalized hydraulic. W. F. Oliver. 1,982,449; Nov. 27.

- Brake system, Fluid pressure. C. C. Farmer. 1,975,264; Oct. 2.
- Brake system for automobiles. F. I. Libbey. 1,967,893; July 24.
- Brake system for automotive vehicles. C. S. Bragg and V. W. Kliersath. 1,958,415; May 15.
- Brake system for automotive vehicles. C. S. Bragg and V. W. Kliersath. 1,978,738; Oct. 30.
- Brake system for automotive vehicles. J. Sorensen. 1,953,057; Mar. 27.
- Brake system for automotive vehicles. Vacuum. C. S. Bragg and V. W. Kliersath. 1,945,515; Feb. 6.
- Brake system for automotive vehicles. Vacuum. C. S. Bragg and V. W. Kliersath. 1,946,127; Feb. 6.
- Brake system, Tractor. S. B. Winn. 1,942,628; Jan. 9.
- Brake temperature indicator. R. J. Norton. 1,957,051; May 1.
- Brake tester. W. K. Kingsland. 1,945,278; Jan. 30.
- Brake tester. H. F. Scruby. 1,971,388; Aug. 28.
- Brake tester, Automatic. H. H. Semmes. 1,981,474; Nov. 20.
- Brake tester, Hand operated. W. W. Graner. 1,959,715; May 22.
- Brake testing apparatus. A. C. Anderson and W. R. Strandberg. 1,982,041; Nov. 27.
- Brake testing apparatus. E. W. Galloway. 1,979,032; Oct. 30.
- Brake testing apparatus. R. J. Statz. 1,963,216; June 19.
- Brake-testing apparatus. A. G. Taylor. 1,959,450; May 22.
- Brake testing apparatus. C. H. Taylor. 1,970,825; Aug. 21.
- Brake testing apparatus. A. E. Wilkoff. 1,958,377; May 8.
- Brake testing apparatus. A. E. Wilkoff. 1,970,211; Aug. 14.
- Brake testing apparatus. M. R. Zechlin. 1,978,927; Oct. 30.
- Brake-testing device. J. S. Holmes. 1,944,344; Jan. 23.
- Brake testing device. R. B. Watkins. 1,950,583; Mar. 13.
- Brake testing device, Automobile. L. L. Graham. 1,957,455; May 8.
- Brake testing device, Automobile. L. L. Graham. 1,958,390; May 8.
- Brake testing machine. F. I. Marshall. 1,946,087; Feb. 6.
- Brake testing structure. R. J. Norton. 1,946,101; Feb. 6.
- Brake testing structure. R. J. Norton. 1,985,515; Dec. 25.
- Brake torque equalizer, Automatic. F. L. Schorno. 1,944,814; Jan. 23.
- Brake unit, Inclosed disk type power. E. A. Rockwell. 1,953,989; Apr. 10.
- Brake with differential plungers, Hydraulic. A. D. Pentz. 1,962,406; June 12.
- Brake with equalizer. F. J. Young and S. W. Long. 1,956,433; Apr. 24.
- Brakes, Apparatus for automatically equalizing. F. Gough. 1,962,989; June 12.
- Brakes, Apparatus for automatically equalizing. F. Gough. 1,970,696; Aug. 21.
- Brakes, Automatic adjusting device for. W. H. Delahaye. 1,943,816; Jan. 16.
- Brakes, Automatic take-up for. F. H. Bartz. 1,950,381; Mar. 13.
- Brakes of vehicles, Apparatus for testing the. E. Piquerez. 1,976,632; Oct. 9.
- Brakes, Regulation of. G. de Monge. 1,960,481; May 29.
- Brakes to aeroplane wheels, Method and relative device for applying. A. Boggio. 1,942,235; Jan. 2.
- Brakes, Truing. N. W. Rhyne. 1,950,815; Mar. 13.
- Braking apparatus. B. Dick. 1,974,176; Sept. 18.
- Braking apparatus. E. Latshaw. Re19,259; July 31.
- Braking apparatus. R. Moore. 1,944,102; Jan. 16.
- Braking apparatus. S. Schnell and B. Dick. 1,956,629; May 1.
- Braking apparatus, Hydraulic. C. O. Guernsey. 1,960,996; May 29.
- Braking apparatus, Hydraulic. E. F. Loweke. 1,981,653; Nov. 20.
- Braking apparatus, Railway. J. W. Livingston. 1,942,513; Jan. 9.
- Braking device, Direct disk. R. B. Wenner. 1,979,181; Oct. 30.
- Braking device for automobiles. M. L. Edwards. 1,965,695; July 10.
- Braking device for vehicles, Collision. C. D. Terry. 1,975,026; Sept. 25.
- Braking mechanism. E. R. Evans. 1,979,874; Nov. 6.
- Braking mechanism. A. H. G. Girling. 1,945,891; Feb. 6.
- Braking mechanism for airships. E. H. Towle. 1,960,762; May 29.
- Braking member. G. L. Smith. 1,960,352; May 29.
- Braking of alternating-current commutator motors, Regenerative. P. W. Robinson. 1,980,830; Nov. 13.
- Braking or antiskidding device for automotive vehicles. W. H. Blair. 1,949,071; Feb. 27.
- Braking, Regenerative. L. Janisch. 1,976,562; Oct. 9.
- Braking system, Electropneumatic. J. P. Kelly. 1,957,653; May 8.
- Braking system for land vehicle trains. L. Campbell, jr. 1,943,287; Jan. 16.
- Braking system, Motor car. O. Zancan. 1,948,195; Feb. 20.
- Braking system, Vehicle. A. Fortini. 1,944,144; Jan. 16.
- Braking systems and stop lights, Apparatus and method of operation of. C. B. Pentecost. 1,951,882; Mar. 20.
- Branch-fitting for tubes and the like. J. S. Coe. 1,977,112; Oct. 16.
- Branding device for kegs. E. F. Engstrom. 1,960,870; May 29.
- Branding machine. R. M. Zimmer and H. Alexander. 1,981,892; Nov. 27.
- Branding means. C. T. Walter. 1,967,488; July 24.
- Brass for the cross arms of poles. A. Speer and A. W. Higgins. 1,963,003; June 12.
- Brassiere. A. S. Becker. 1,942,679; Jan. 9.
- Brassiere. D. Cochran-Wilkinson. 1,965,997; July 10.
- Brassiere. L. De Got. 1,958,963; May 15.
- Brassiere. E. Jacob, geb. Schulze. 1,961,048; May 29.
- Brassiere. C. R. Jones. 1,966,174; July 10.
- Brassiere. J. Letz. 1,942,250; Jan. 2.
- Brassiere. R. K. Lytton. 1,962,314; June 12.
- Brassiere. M. Maier. 1,971,113; Aug. 21.
- Brassiere. J. Nelson. 1,963,373; June 19.
- Brassiere. W. Rosenthal. 1,956,250; Apr. 24.
- Brassiere. W. Rosenthal. 1,979,576; Nov. 6.
- Brassiere. H. B. Snader. 1,980,767; Nov. 13.
- Brassiere. I. Roth. 1,970,920; Aug. 21.
- Brassiere. G. M. P. Yerkes. 1,955,523; Apr. 17.
- Bread and making same. D. C. McCarthy. 1,973,926; Sept. 18.
- Bread and method of employing same, Device for baking. P. L. Cohen. 1,971,903; Aug. 28.
- Bread and wrapper holder, Sliced. R. O. Whitaker. 1,958,733; May 15.
- Bread, Apparatus for banding sliced. G. C. Goeckeler, jr. 1,981,503; Nov. 20.
- Bread, Baking of. E. Komm. 1,974,028; Sept. 18.
- Bread band. C. E. Bowman. 1,970,487; Aug. 14.
- Bread-boring apparatus. C. H. Wilkes. 1,934,388; Dec. 18.
- Bread box. L. E. Padelford. 1,941,998; Jan. 2.
- Bread box. A. F. Pfingsten. 1,949,759; Mar. 6.
- Bread butterer. B. Bedford. 1,979,436; Nov. 6.
- Bread improver and making the same. F. B. Baker. 1,953,332; Apr. 3.
- Bread rack. A. G. Langenkamp and R. H. McElroy. 1,943,023; Jan. 9.
- Bread rack. A. G. Langenkamp and R. H. McElroy. 1,957,656; May 8.
- Bread separator and conveyer, Sliced. F. R. Schmitt. 1,964,085; June 26.
- Bread slicing machine. H. E. Criner. 1,942,955; Jan. 9.
- Bread slicing machine. H. J. Criner. 1,945,025; Jan. 30.
- Bread slicing machine. H. J. Criner. 1,976,331; Oct. 9.
- Bread slicing machine and take-off therefor. I. C. Gellman. 1,951,605; Mar. 20.
- Bread toasting machine. R. J. Anderson. 1,971,091; Aug. 21.
- Bread, Treatment of. K. P. Keeney and H. E. Turley. 1,945,436; Jan. 30.
- Bread twister. A. B. Milosevich. 1,974,503; Sept. 25.
- Bread wafers, Manufacture of toasted. L. Neuberger. 1,956,130; Apr. 24.
- Bread wrapping machine. E. L. Smith and W. Hoppe. 1,953,195; Apr. 3.
- Bread wrapping table. F. Marasso. 1,960,342; May 29.
- Bread wrapping table, Sliced. H. C. Simmons. 1,985,466; Dec. 25.
- Break-joint and electric-cord reel casing. Combined. L. Brosilow, W. Markoff, and J. Orosz. 1,982,854; Dec. 4.
- Breaker-point dresser. C. J. Stocker. 1,966,601; July 17.
- Breaker-point dresser. C. J. Stocker. 1,978,479; Oct. 30.
- Breaker, Rotary. G. Goetz. 1,964,050; June 26.
- Breakwater. R. E. Chadwick. 1,969,119; Aug. 7.
- Breast grooving and lip forming machine for heels. C. D. Knowlton. 1,963,203; June 19.
- Breast protector. T. L. Cox. 1,984,253; Dec. 11.
- Breast supporter. B. Notes. 1,948,076; Feb. 20.
- Breather device. E. F. Gyax. 1,960,582; May 29.
- Breather device. E. McCormick. 1,961,445; June 5.
- Breather valve. L. G. Gates. 1,975,144; Oct. 2.
- Breathing apparatus. G. L. Lemoine. 1,983,475; Dec. 4.
- Breathing appliance. R. H. Davis. 1,984,118-19; Dec. 11.
- Breathing device. W. Black. 1,946,126; Feb. 6.
- Breathing therapy apparatus. E. I. McKesson. 1,979,981; Nov. 6.
- Brewer, Vacuum coffee. H. Cory. 1,967,811; July 24.
- Brewing device. N. B. Wales. 1,946,247; Feb. 6.
- Brick. A. Crum. 1,959,816; May 22.
- Brick and kiln therefor, Producing refractory. A. B. Agnew. 1,950,375; Mar. 13.
- Brick and making, Gray burned. R. L. Atkinson. 1,949,524; Mar. 6.
- Brick and making, Refractory. P. H. Jung. 1,942,431; Jan. 9.
- Brick and making same, Refractory. E. M. Harvey and J. A. Boren. 1,973,434; Sept. 11.
- Brick, Apparatus for molding pierced and indented dry. F. A. Armstrong. 1,965,758; July 10.
- Brick, Arch. J. P. Neff. 1,971,693; Aug. 28.
- Brick-block construction, Interlocking. F. E. Clark. 1,947,188; Feb. 13.
- Brick construction. W. R. Simons. 1,958,771; May 15.
- Brick, Fire. C. W. Thornborough. 1,963,181; June 19.
- Brick, Interlocking building. P. Brown. 1,984,393; Dec. 18.
- Brick lifter. S. Poliakov. 1,974,891-2; Sept. 25.

- Brick-lug forming mechanism. F. B. Dunn. 1,960,101; May 22.
- Brick machine. E. S. Baer. 1,943,506; Jan. 16.
- Brick making machine. J. R. T. Clingan and P. J. Sheehan. 1,967,608; July 24.
- Brick, Manufacturing of light nailable. H. Mayr. 1,985,737; Dec. 25.
- Brick, Metal covered. R. W. Loeffler. 1,949,079; Feb. 27.
- Brick, Refractory. R. P. Heuer. 1,969,751; Aug. 14.
- Brick, Refractory regenerator. J. E. MacDonald. 1,976,575; Oct. 9.
- Brick siding and surface covered therewith. J. A. Feely. 1,976,662; Oct. 9.
- Brick siding assembly, Imitation. J. A. Klimsza. 1,959,133; May 15.
- Brick, Silica. R. P. Heuer. 1,969,750; Aug. 14.
- Brick, Silica. J. Schuffer. 1,945,236; Jan. 30.
- Brick, Sill. R. Rimmer. 1,981,327; Nov. 20.
- Brick structure, Checkerwork. K. H. Moll and P. Stickel. 1,964,267; June 26.
- Brick, tile, etc., Continuously decorating. J. Ramsay. 1,958,837; May 15.
- Brick transferring apparatus. V. S. and C. M. Wall. 1,959,512; May 22.
- Brick veneer. G. S. Benevento. 1,982,724; Dec. 4.
- Brick wall construction. E. Weil. 1,976,644; Oct. 9.
- Bricks and molds, Apparatus for dumping. W. J. Donnelly. 1,956,192; Apr. 24.
- Bricks, Making. W. M. Tuttle. 1,977,868; Oct. 23.
- Bricks or the like from chrome ore, Manufacture of refractory. E. Lux. 1,973,907; Sept. 18.
- Bridge. J. B. Strauss. 1,967,381; July 24.
- Bridge, Adjustable elastic steel frame. E. H. Schneider. 1,961,986; June 5.
- Bridge construction. A. C. Briggs. 1,984,567; Dec. 18.
- Bridge for an ophthalmic mounting. G. E. Nerney. Des. 92,547-50; June 19.
- Bridge for an ophthalmic mounting. G. E. Nerney. Des. 93,631; Oct. 16.
- Bridge for eyeglasses. F. H. Soden. Des. 94,168; Dec. 25.
- Bridge for protecting fire-hose. V. K. Leister. 1,956,125; Apr. 24.
- Bridge pier caissons, Method and apparatus for use in connection with the setting of. C. Vermont. 1,966,974; July 17.
- Bridge reminder. J. Y. Hamilton. Des. 93,980; Dec. 4.
- Bridge score indicator. D. C. Smith. 1,957,112; May 1.
- Bridge, Transportable. M. Tamini. 1,960,355; May 29.
- Bridge walls for glass melting furnaces, Cooling. W. W. Oakley. 1,960,164; May 22.
- Bridging and a brace therefor, Forming. E. S. Hebel and E. C. Boehm. 1,962,592; June 12.
- Brief and sample case. H. H. Labadie and B. B. Beers. 1,947,718; Feb. 20.
- Brief case. L. Heyman. 1,958,003; May 8.
- Brine containing soluble silica, Treating. W. A. Kuhnert. 1,964,161; June 26.
- Brine, Device for utilizing and distributing frozen. D. K. Warner. 1,960,764; May 29.
- Brine solution. W. G. Finch. 1,969,124; Aug. 7.
- Brine solution. J. Fleischer. 1,985,632; Dec. 25.
- Briquette, Absorbent. C. L. Kropp. 1,966,553; July 17.
- Briquette, Fire kindler. C. S. Palmer. 1,938,560; Dec. 11.
- Briquette, Kindling. W. D. White and J. A. Prater. 1,961,411; June 5.
- Briquette, Oxidizing. M. C. Shannon. 1,951,633; Mar. 20.
- Bristles for brushes and the like, Moisture resistant. W. K. Teller. 1,953,980; Apr. 10.
- Broach holder. G. F. Yager. 1,984,104; Dec. 11.
- Broaching and broach therefor. C. J. Halborg. 1,969,977; Aug. 14.
- Broaching attachment. A. E. Drissner. 1,952,194; Mar. 27.
- Broaching fixture. C. J. Halborg. 1,978,458; Oct. 30.
- Broaching machine. W. J. Fiegel, W. S. Enderich, and L. Bracciano. 1,972,769; Sept. 4.
- Broaching machine. C. J. Halborg. 1,979,973; Nov. 6.
- Broaching machine. F. J. Lapointe. 1,984,974; Dec. 18.
- Broaching machine. R. A. Thompson. 1,958,501; May 15.
- Broaching machine. G. F. Yager. 1,962,674; June 12.
- Broaching machine, Automatic. F. J. Lapointe. 1,951,194; Mar. 13.
- Broaching press. W. D. Burger. 1,945,879; Feb. 6.
- Broaching tool. B. P. Schiltz. 1,945,535; Feb. 6.
- Broadcast receiver apparatus. G. Anders. 1,971,894; Aug. 28.
- Broadcasting system using ultra-short waves. F. Schröter. 1,973,296; Sept. 11.
- Broiler. H. L. Bottle and C. J. Brandt. 1,971,326; Aug. 28.
- Broiler. H. V. Hartman. 1,956,387; Apr. 24.
- Broiler. B. B. Kahn. 1,954,080; Apr. 10.
- Broiler. C. F. Wiley. 1,985,754; Dec. 25.
- Broiler and toaster. E. S. Parker. Re19,089; Feb. 20.
- Broiler construction. A. G. Sherman. 1,970,343; Aug. 14.
- Broiler, Food. A. A. Stone. Des. 91,912; Apr. 3.
- Broiler, toaster and the like. J. U. Riley. 1,969,184; Aug. 7.
- Broiling device. C. A. Pierson. 1,962,908; June 12.
- Bromide and making the same, Colloidal. E. Govett. 1,951,355; Mar. 20.
- Bromide and making the same, Colloidal. E. Govett. 1,951,356; Mar. 20.
- Bromination products of the dibenzanthrone series. M. A. Kunz and K. Koerberle. 1,949,209; Feb. 27.
- Bromine substituted alkylester of 2-phenyl-quinoline-4-carboxylic acid. W. G. Christiansen and R. van Winkle. 1,971,393; Aug. 28.
- Bromo butadiene polymers and producing same. W. H. Carothers and A. M. Collins. 1,950,433; Mar. 13.
- Bronze, Electroplating. H. M. Batten and C. J. Welcome. 1,970,549; Aug. 21.
- Brooch. W. S. Robertson. Des. 91,330; Jan. 9.
- Brooch. W. S. Robertson. Des. 92,927; July 31.
- Brooch. W. S. Robertson. Des. 93,795; Nov. 6.
- Brooder. W. J. Brower. 1,961,682; June 5.
- Brooder. L. B. Calkins. 1,962,982; June 12.
- Brooder. L. Hawkins. 1,974,867; Sept. 25.
- Brooder. L. G. Knapp. 1,941,842; Jan. 2.
- Brooder. B. Knepper. 1,958,343; May 8.
- Brooder. L. F. Mott. 1,942,765; Jan. 9.
- Brooder. R. C. Ricketts. 1,948,132; Feb. 20.
- Brooder box. H. H. Hane. 1,979,877; Nov. 6.
- Brooder cage. T. H. Hart. 1,973,530; Sept. 11.
- Brooder, Quail. A. V. Rackstraw. 1,975,866; Oct. 9.
- Broom. M. Diepold. 1,971,175; Aug. 21.
- Broom. H. C. Struve. 1,955,034; Apr. 17.
- Broom and mop adapter. A. Brohasek, N. P. Thompson, and G. Catsanos. 1,956,142; Apr. 24.
- Broom for street sweepers, Gutter. J. Anderson. 1,967,651; July 24.
- Broom hanger. F. E. Brown. 1,965,973; July 10.
- Broom hanger. H. W. Schlosser. 1,971,993; Aug. 28.
- Broom manufacture and the like. W. H. Zachry. 1,970,590; Aug. 21.
- Broom rake. W. Withington. 1,942,629; Jan. 9.
- Brucite or magnesium hydroxide, Revivifying. E. C. Higgins, Jr. 1,963,493; June 19.
- Brush. W. F. Albright. 1,978,853; Oct. 30.
- Brush. F. J. Bickel. 1,963,044; June 12.
- Brush. G. Cahen and P. Chevalier. 1,974,795; Sept. 25.
- Brush. R. J. Dunn. 1,978,489; Oct. 30.
- Brush. W. Friedman. 1,977,183; Oct. 16.
- Brush. C. E. Frost. 1,960,487; May 29.
- Brush. C. C. Gerhardt. 1,961,926; June 5.
- Brush. C. C. Gerhardt. 1,970,302; Aug. 14.
- Brush. F. E. and L. A. Gibbin. 1,963,360; June 19.
- Brush. J. Grewe. 1,968,827; Aug. 7.
- Brush. L. L. Hesson. 1,943,479; Jan. 16.
- Brush. W. Josselyn. 1,951,023; Mar. 13.
- Brush. M. C. Krenz. Des. 93,026; Aug. 14.
- Brush. E. Mar. 1,959,274; May 15.
- Brush. A. A. Page. 1,950,862; Mar. 13.
- Brush. R. Schwartz. 1,967,597; July 24.
- Brush. S. W. Snell. 1,957,363; May 1.
- Brush. C. E. Sturgis. 1,949,665; Mar. 6.
- Brush. M. Wein. 1,946,653; Feb. 13.
- Brush actuating device for a repulsion starting electric motor. T. Iio. 1,974,157; Sept. 18.
- Brush actuating mechanism for electric motors. V. J. Winkel. 1,966,057; July 10.
- Brush, Adjustable. M. Sendrowitz. 1,959,767; May 22.
- Brush adjusting mechanism for vacuum cleaners. T. A. Schaad. 1,972,796; Sept. 4.
- Brush and brush holder for lure carriers. S. Moche. 1,982,063; Nov. 27.
- Brush and container, Paint. H. Oscar. 1,959,441; May 22.
- Brush and holder, Combination. B. J. Levin. 1,975,643; Oct. 2.
- Brush and holder therefor. R. L. Henry. 1,970,604; Aug. 21.
- Brush and paste tube, Combined. C. J. Seyffer. 1,977,212; Oct. 16.
- Brush and preparing the same, Paint. A. Linzer. 1,952,998; Mar. 27.
- Brush and shower spray, Combined bathing. J. Josinsky. 1,965,344; July 3.
- Brush and tube paste device, Combined. E. Berthold. 1,969,253; Aug. 7.
- Brush, Case. M. Zerilli. 1,949,671; Mar. 6.
- Brush, Commutating. C. Lynn. 1,979,696; Nov. 6.
- Brush construction. E. E. Robinson. 1,948,429; Feb. 20.
- Brush control for motor commutators. J. Anderson. 1,985,395; Dec. 25.
- Brush, Dental plate. S. G. Grafinger. 1,951,050; Mar. 13.
- Brush drilling and grooving machine. J. Q. Holmes. 1,964,435; June 26.
- Brush for a washing machine. H. Adelman. 1,979,240; Nov. 6.
- Brush for automobile chassis. J. I. Anderson. 1,962,854; June 12.
- Brush for teeth and the like, Electric. V. Conti. 1,981,688; Nov. 20.
- Brush, Fountain. G. W. Johnson. 1,943,893; Jan. 16.
- Brush, Fountain. J. H. Johnson. Des. 92,088; Apr. 24.
- Brush, Fountain. G. Lupo. 1,941,751; Jan. 2.
- Brush, Fountain shaving. R. G. Hemphill. 1,945,938; Feb. 6.
- Brush, Fountain shaving. I. S. Mathieu and F. B. Springer. 1,946,867; Feb. 13.
- Brush, Furnisher. W. H. Heffernan. 1,972,382; Sept. 4.
- Brush, Hair. G. P. Dike. 1,958,134; May 8.
- Brush, Hair. A. Mitlehner. 1,948,990; Feb. 27.
- Brush holder. M. F. Jones. 1,959,056; May 15.

- Brush holder, Fruit washer. R. O. Conlee. 1,970,032; Aug. 14.
- Brush holding clamp. H. L. Stevens and A. Weber. 1,983,923; Dec. 11.
- Brush, Lettering. E. C. Wood. 1,968,062; July 31.
- Brush, Magazine shaving. J. Rose. 1,948,398; Feb. 20.
- Brush, Magazine shaving lather. H. W. Small and E. K. Everett. 1,973,158; Sept. 11.
- Brush, Making a. A. A. Angell. 1,950,379; Mar. 13.
- Brush-making machine. C. F. Shultz. 1,949,494; Mar. 6.
- Brush, Massaging and shaving. M. H. Aten. 1,981,851; Nov. 27.
- Brush, Motor. W. H. Kitto. 1,948,268; Feb. 20.
- Brush mounting for electrical machines. J. W. Allen. 1,954,910; Apr. 17.
- Brush or paint spray device, Air. J. G. Schmidt. 1,945,298; Jan. 30.
- Brush, Painting. J. F. Gorgas. 1,954,699; Apr. 10.
- Brush, Paste feeding. R. L. Cleveland and E. H. Lederer. 1,945,023; Jan. 30.
- Brush preserver, Paint. H. M. and J. V. Albanse. 1,979,241; Nov. 6.
- Brush protective device. H. Lehr. 1,951,576; Mar. 20.
- Brush rigging. W. D. Harrison. 1,983,799; Dec. 11.
- Brush rigging and end cap assembly for surgical motors and the like. H. A. Whiteside. 1,960,470; May 29.
- Brush, Rotary. I. A. Eppstein. 1,969,549; Aug. 7.
- Brush, Sanitary shaving. A. E. Peyser and O. K. Zwingenberger. 1,951,313; Mar. 13.
- Brush, Shaving. E. J. Charles. 1,943,202; Jan. 9.
- Brush, Shaving. G. Pietro. 1,956,927; May 1.
- Brush, Shaving. M. Saladow. 1,967,593; July 24.
- Brush, Shaving. H. R. Segal. 1,956,477; Apr. 24.
- Brush, Shaving. N. Statham. 1,950,155; Mar. 6.
- Brush, Stripping. M. Panitzsch. 1,954,260; Apr. 10.
- Brush tightener. W. N. Lurcott. 1,952,930; Mar. 27.
- Brush, Vacuum cleaner. R. Bass. 1,973,679; Sept. 11.
- Brushes, Apparatus and method for making. F. J. Bickel. 1,963,045; June 12.
- Brushing machine. L. E. Jones. 1,955,749; Apr. 24.
- Brushing, polishing, and the like, Apparatus for. A. O. Engberg and T. E. D. Bilde. 1,958,658; May 15.
- Bubble blower. H. L. Bloxom. 1,962,801; June 12.
- Bubble cap. D. A. Monro. 1,982,226; Nov. 27.
- Buck for ironing machines. N. L. Etten. 1,981,616; Nov. 20.
- Buck and plinth, Combined. W. P. Mitchell. 1,958,168; May 8.
- Buck for pressing machines. J. S. Patterson. 1,976,576; Oct. 9.
- Bucket. T. F. Banigan. 1,975,188; Oct. 2.
- Bucket and lip assembly, Dredge. W. H. Stires. 1,984,322; Dec. 11.
- Bucket and lip assembly, Dredge. W. H. Stires. 1,984,324; Dec. 11.
- Bucket, Centrifuge. S. R. Bergman. 1,979,953; Nov. 6.
- Bucket, Charging rotating skip. K. Steinbacher. 1,963,764; June 19.
- Bucket, Clamshell. B. H. Kersting. 1,968,493; July 31.
- Bucket cleaner. H. E. Swanson. 1,956,734; May 1.
- Bucket, Drag. W. Lehman. 1,974,425; Sept. 25.
- Bucket, Drag line. A. E. Gibson. 1,979,738; Nov. 6.
- Bucket, dredge. P. D. and O. J. Reimel. 1,962,363; June 12.
- Bucket, Dredge. W. H. Stires. 1,984,323; Dec. 11.
- Bucket, Elevator. B. B. Gemeny and B. I. Weller. 1,944,932; Jan. 30.
- Bucket elevator. G. H. Hutton. 1,962,075; June 5.
- Bucket, Grab. W. C. Swalley. 1,941,515; Jan. 2.
- Bucket, Minnow. J. R. Howard. 1,942,756; Jan. 9.
- Bucket, Rayon spinning. H. M. Richardson. 1,962,935-6; June 12.
- Bucket reinforcing structure, Drag. G. L. St. Louis. 1,975,625; Oct. 2.
- Bucket return for material and article handling machine. L. C. Frank. 1,973,950; Sept. 18.
- Bucket structure. E. L. Harrington. 1,979,832; Nov. 6.
- Buckets, Manufacturing centrifuge. S. R. Bergman. 1,979,954; Nov. 6.
- Buckle. L. Alterson. 1,947,690; Feb. 20.
- Buckle. C. E. Anderson. 1,984,856; Dec. 18.
- Buckle. L. Bernstein. 1,975,582; Sept. 4.
- Buffer. G. N. Decarie. 1,978,249; Oct. 23.
- Buckle. J. E. Dennis. 1,972,292; Sept. 3.
- Buckle. H. Fortman. Des. 93,869; Nov. 20.
- Buckle. J. B. Freysinger. Des. 91,618; Feb. 27.
- Buckle. J. B. Freysinger. Des. 91,652; Mar. 6.
- Buckle. J. B. Freysinger. Des. 91,709-10; Mar. 13.
- Buckle. J. B. Freysinger. Des. 91,772-3; Mar. 20.
- Buckle. J. B. Freysinger. Des. 91,812-13; Mar. 27.
- Buckle. J. B. Freysinger. Des. 92,460; June 12.
- Buckle. J. B. Freysinger. Des. 92,713-15; July 10.
- Buckle. J. B. Freysinger. Des. 93,011; Aug. 14.
- Buckle. J. B. Freysinger. Des. 93,097; Aug. 21.
- Buckle. J. B. Freysinger. Des. 93,387; Sept. 25.
- Buckle. J. B. Freysinger. Des. 93,464-6; Oct. 2.
- Buckle. P. Heinze. 1,947,394; Feb. 13.
- Buckle. F. Hirsh. Des. 93,165; Aug. 28.
- Buckle. F. Hirsh. 1,965,415; July 3.
- Buckle. L. La Ferney. 1,980,535; Nov. 13.
- Buckle. R. C. Livesay. 1,976,950; Oct. 16.
- Buckle. S. Putman. Des. 92,766-9; July 10.
- Buckle. S. Putman. Des. 93,420-1; Sept. 25.
- Buckle. S. Putman. Des. 93,518; Oct. 2.
- Buckle. S. Putman. Des. 94,162; Dec. 25.
- Buckle. C. Rosenblum. 1,969,582; Aug. 7.
- Buckle. H. St. Pierre. 1,962,846; June 12.
- Buckle. E. E. Statler. Des. 92,375; May 29.
- Buckle. M. Weiss. 1,952,829; Mar. 27.
- Buckle and strap for cotton bales. A. P. J. Voigt, J. D. Morhan, and F. J. Herbelin. 1,985,476; Dec. 25.
- Buckle, Bale-tie. E. A. Frantz. 1,961,040; May 29.
- Buckle, Bale tie. F. B. Todd. 1,985,529; Dec. 25.
- Buckle, Bracelet. E. Prestinari. 1,985,836; Dec. 25.
- Buckle, Cotton tie. A. B. Haswell. 1,980,620; Nov. 13.
- Buckle, Dress. H. J. Lipman. Des. 91,276; Jan. 2.
- Buckle, Extensible. E. Prestinari. 1,985,835; Dec. 25.
- Buckle, Fabric covered. S. Lerma. Re19,292; Aug. 28.
- Buckle, Foldable. A. H. Barrowman. 1,948,610; Feb. 27.
- Buckle for hose supporters, suspenders, or the like. W. F. Passett. 1,959,416; May 22.
- Buckle for linemen's belts. E. R. Gordon. 1,980,678; Nov. 13.
- Buckle for shoe. M. M. Babin. Des. 93,599; Oct. 16.
- Buckle, Loop. C. A. Mosgrove. 1,974,287; Sept. 18.
- Buckle or similar article, Shoe. D. Levin. Des. 93,776; Nov. 6.
- Buckle plate. F. E. Stahl. 1,980,362; Nov. 13.
- Buckle, Slide. H. G. Littlejohn. 1,942,361; Jan. 2.
- Buckle, Slide. C. A. Mosgrove. 1,962,517; June 12.
- Buckle, Slide. F. W. White and P. Heinze. 1,947,368; Feb. 13.
- Buckle, Slim. R. J. Hodge. 1,971,140; Aug. 21.
- Buckle, Webbing. W. E. Oimstead. 1,944,453; Jan. 23.
- Bucky grid for secondary radiation. M. Morrison. 1,950,035; Mar. 6.
- Buffer. G. H. Zouck. 1,981,980; Nov. 27.
- Buffer, Breast. V. Pascuzzi. 1,947,101; Feb. 13.
- Buffer, Door. E. Meier. 1,944,101; Jan. 16.
- Buffer, Door. G. P. Selby. 1,958,318; May 8.
- Buffer for the pickers or drivers of power looms. V. C. Shah. 1,975,024; Sept. 25.
- Buffer, Marble polishing. G. M. Warren. 1,970,872; Aug. 21.
- Buffer mechanism for diaphragm face plates. G. G. Gilpin. 1,963,361; June 19.
- Buffer mechanism for passenger cars. V. E. Sisson. 1,983,048; Dec. 4.
- Buffer mechanism for railway passenger cars. G. G. Gilpin. 1,980,677; Nov. 13.
- Buffer pad. W. G. Rasch and J. A. Malcolm. 1,945,823; Feb. 6.
- Buffer wheel. A. Levett. 1,946,630; Feb. 13.
- Buffers and similar articles, Making automobile. G. A. Lyon. 1,966,453; July 17.
- Buffet and cabinet, Combination. M. Ebbitt. 1,984,523; Dec. 18.
- Buffet and heat circulator or article of analogous nature, Combined. E. Esson. Des. 92,708-9; July 10.
- Buffet and heat circulator or article of analogous nature, Combined. E. Esson. Des. 92,712; July 10.
- Buffing and draft gear, Central. R. T. Glascoedine. 1,947,936; Feb. 20.
- Buffing machine. R. E. Duplessis. 1,964,043; June 26.
- Buffing machine. A. B. Mullin. 1,956,331; Apr. 24.
- Buffing machine. W. M. Spry. 1,952,634; Mar. 27.
- Buffing tool. F. Ricks. 1,966,521; July 17.
- Buffing tool. F. Ricks and E. F. Towndrow. 1,944,302; Jan. 23.
- Buffing wheel, buffing wheel fabric, and treating the fabric. K. H. Barnard. 1,964,901; July 3.
- Buggy and cradle, Combined baby. P. Zielinski. 1,952,700; Mar. 27.
- Builder mechanism. R. Hargreaves. 1,984,641; Dec. 18.
- Builder mechanism for spinning and twisting machines. G. West. 1,984,615; Dec. 18.
- Builder motion for spinning frames. F. K. Hendrickson. 1,984,642; Dec. 18.
- Builder's guide. G. H. Harris. 1,943,017; Jan. 9.
- Building. T. G. Johnson. 1,979,039; Oct. 30.
- Building. S. D. Kaplan. Des. 91,828; Mar. 27.
- Building. H. M. Knight. 1,975,156; Oct. 2.
- Building. F. J. Kreutzer. 1,981,418-19; Nov. 20.
- Building. A. Mourek. Des. 93,173; Aug. 28.
- Building. E. D. Pierre and G. C. Wright. Des. 93,241; Sept. 4.
- Building. L. B. Robertson. Des. 93,134; Aug. 21.
- Building. N. J. Schlossman and J. Demuth. Des. 92,495-6; June 12.
- Building block. S. S. Cochrane and A. Kadow. 1,949,898; Mar. 6.
- Building block. F. C. Donovan. 1,974,564; Sept. 25.
- Building block. P. T. Gantt. 1,976,664; Oct. 9.
- Building block. J. A. Graydon. 1,964,816; July 3.
- Building block. J. W. Lowell. 1,975,235; Oct. 2.
- Building block. P. J. Maul. 1,959,083; May 15.
- Building block and wall construction. F. T. Heath. 1,969,402; Aug. 7.
- Building block imitating stone design, Wood. K. F. Korn. 1,971,010; Aug. 21.
- Building blocks, Making colored. A. O. Dandini. 1,984,059; Dec. 11.
- Building Bomb-proof. E. F. and J. Gelger. 1,984,407; Dec. 18.
- Building construction. A. F. Bemis. 1,953,287; Apr. 3.
- Building construction. A. F. Bemis. 1,958,124; May 8.
- Building construction. A. F. Bemis. 1,980,900; Nov. 13.
- Building construction. J. Brogden. 1,959,899; May 22.
- Building construction. J. Brogden. 1,963,774; June 19.
- Building construction. A. T. Cavey. 1,978,012; Oct. 23.

- Building construction. H. W. Collins. 1,955,948; Apr. 24.
 Building construction. M. W. Copper, Jr., and R. L. Hohl. 1,973,795; Sept. 18.
 Building construction. J. B. Cuneo. 1,946,672; Feb. 13.
 Building construction. J. C. De Vol. 1,953,020; Dec. 4.
 Building construction. H. Dusbablon. 1,944,787; Jan. 23.
 Building construction. J. J. Duttweiler. 1,981,166; Nov. 20.
 Building construction. G. G. Ellithorpe and C. J. Menken. 1,965,282; July 3.
 Building construction. C. Erickson. 1,954,730; Apr. 10.
 Building construction. T. J. Foster. 1,964,728; July 3.
 Building construction. C. M. Goodrich. 1,951,090; Mar. 13.
 Building construction. R. C. Graef. 1,954,928; Apr. 17.
 Building construction. P. R. Hooton. 1,978,842; Oct. 30.
 Building construction. C. S. Kane. 1,982,343; Nov. 27.
 Building construction. G. F. Kotraby. 1,968,045; July 31.
 Building construction. H. Libberton and L. C. Piazza. 1,958,052; May 8.
 Building construction. J. F. Loucks. 1,949,543; Mar. 6.
 Building construction. W. W. Loy and E. J. Crum. 1,949,426; Mar. 6.
 Building construction. E. H. Lunken. 1,962,201; June 12.
 Building construction. H. G. Macwilliam. 1,962,514; June 12.
 Building construction. W. D. Mann. 1,977,076; Oct. 16.
 Building construction. F. A. Manske. 1,981,239; Nov. 20.
 Building construction. R. L. McCaig. 1,949,215; Feb. 27.
 Building construction. W. B. Miller and F. Eroskey. 1,959,836; May 22.
 Building construction. B. C. Nelson and F. W. Allen. 1,964,131; June 26.
 Building construction. F. W. Pfeifer. 1,981,661; Nov. 20.
 Building construction. I. F. Reed. 1,955,515; Apr. 17.
 Building construction. G. C. Reid. 1,978,324; Oct. 23.
 Building construction. D. E. Ross and F. P. Wymer. 1,954,891; Apr. 17.
 Building construction. H. W. Schick. 1,949,220; Feb. 27.
 Building construction. E. D. Smith. 1,971,994; Aug. 28.
 Building construction. F. M. Venzle. 1,953,203; Apr. 3.
 Building construction. F. M. Venzle. 1,971,999; Aug. 28.
 Building construction. E. F. Venzle. 1,980,645; Nov. 13.
 Building construction. H. E. White. 1,982,088; Nov. 27.
 Building construction. G. W. Williams. 1,958,933; May 15.
 Building construction. E. G. Zack. 1,947,239; Feb. 13.
 Building construction, Acoustical. R. H. Stitt. 1,950,420; Mar. 13.
 Building construction, Fireproof. J. A. Ferguson. 1,949,045; Feb. 27.
 Building construction, Portable. A. C. Decker. 1,971,708; Aug. 28.
 Building construction material. L. Day. 1,954,378; Apr. 10.
 Building construction, Metallic. W. F. Zabriskie. 1,963,395; June 19.
 Building construction, Wooden. H. D. Tiemann. 1,948,950; Feb. 27.
 Building covering. E. R. Black. 1,959,519; May 22.
 Building, Educational model. H. E. Conklin. Des. 92,053; Apr. 17.
 Building element. P. Hoffmann. 1,975,043; Sept. 25.
 Building insulation. R. A. Aschenbrener. 1,954,582; Apr. 10.
 Building material. F. H. Gilchrist. 1,958,571; May 15.
 Building material. G. Midby. 1,943,033; Jan. 9.
 Building material. H. W. Romanoff. 1,955,833; Apr. 24.
 Building material and producing same. Artificially colored. O. R. Douthett. 1,970,953; Aug. 21.
 Building material, Forming cellular ceramic. E. R. Powell. 1,963,030; June 12.
 Building material, Making. F. H. Gilchrist. 1,958,572; May 15.
 Building material, Producing. N. P. Harshberger. 1,943,258; Jan. 9.
 Building or the like, Service station. C. A. Urbanek. Des. 93,695-7; Oct. 23.
 Building plates from ceramic material, Manufacturing hollow. H. Harkort. 1,980,270; Nov. 13.
 Building, Portable. G. D. Tesch. 1,970,404; Aug. 14.
 Building, Portable collapsible. W. Cunningham. 1,941,662; Jan. 2.
 Building product and making same. T. Robinson. 1,941,491; Jan. 2.
 Building products and making the same, Noninflammable wooden. P. Robinson. 1,959,966; May 22.
 Building reconstruction. G. Cavaglieri. 1,971,331; Aug. 28.
 Building, Refreshment. W. Lee. Des. 93,665; Oct. 23.
 Building remodeling apparatus. W. Hughes. 1,973,346; Sept. 11.
 Building, Sectional. E. Geiger. 1,980,397; Nov. 13.
 Building set. A. Audet. 1,958,508; May 15.
 Building set. J. M. Leake. 1,955,194; Apr. 17.
 Building strips, Process and apparatus for making. A. E. P. Moone. 1,968,535; July 31.
 Building structure. S. Breines. 1,960,328; May 29.
 Building structure. S. Klein. 1,954,818; Apr. 17.
 Building structure. H. L. Smith, Jr. 1,982,551; Nov. 27.
 Building structure. F. M. Venzle. 1,969,244; Aug. 7.
 Building structure and making same. G. L. Dresser. 1,972,439; Sept. 4.
 Building system. H. T. Fisher. 1,969,125; Aug. 7.
 Building unit. N. A. Brand. 1,979,206; Oct. 30.
 Building unit. A. Henderson. 1,968,393; July 31.
 Building unit. F. G. Kartowicz. 1,963,410; June 19.
 Building unit. E. V. Kerner. 1,955,587; Apr. 17.
 Building unit. A. H. Wick. 1,946,560; Feb. 13.
 Building unit. H. G. Young. 1,967,919; July 24.
 Building unit and making the same, Low thermal conductivity. C. L. Norton, R. Richardson, and W. S. Bateman, Jr. 1,968,052; July 31.
 Building unit and structure. P. Rutten. 1,985,328; Dec. 25.
 Building units, Making. E. M. Wyatt and K. Slidell. 1,956,607; May 1.
 Building units of porous concrete, Manufacture of precast. W. L. Caldwell. 1,951,344; Mar. 20.
 Building up shore land and beaches, Apparatus for. W. H. Doble. 1,969,123; Aug. 7.
 Buildings, Constructing. N. Garrett. 1,963,984; June 26.
 Buildings, Farm. F. J. Kreutzer. 1,985,037; Dec. 18.
 Bulb, Electric. L. Lander. Des. 92,662; July 3.
 Bulb for mechanical basing. D. S. Gustin. 1,965,232; July 3.
 Bulb holder. G. E. Trust. 1,957,086; May 1.
 Bulb socket lock and the like. A. P. Driskell. 1,958,613; May 15.
 Bulkhead and sea-wall structure. M. di Zoppola. 1,942,163; Jan. 2.
 Bulk material measuring and dispensing device. H. E. Harris. 1,964,118; June 26.
 Bull and calf wheel. L. B. Chevalier. 1,959,570; May 22.
 Bulldozer. J. R. Ritchie. 1,981,287; Nov. 20.
 Bulldozer. R. G. Le Tourneau. 1,964,359; June 26.
 Bullet. H. E. G. T. Gerlich. 1,944,884; Jan. 30.
 Bulletproof construction. S. L. Fuller. 1,953,708; Apr. 3.
 Bullets, Making. T. L. Page. 1,961,076; May 29.
 Bulletin board or similar article. M. Rosner. Des. 93,289; Sept. 11.
 Bumper. V. P. Williams. 1,957,515; May 8.
 Bumper. V. P. Williams. 1,982,775; Dec. 4.
 Bumper and emergency brake mechanism for motor vehicles, Combination. N. Capogreco. 1,956,491; Apr. 24.
 Bumper attachment. R. A. Serenberg and C. and P. Marienthal. 1,978,767; Oct. 30.
 Bumper, Automobile. F. A. Bond. 1,984,392; Dec. 18.
 Bumper, Automobile. A. A. Thomas. Des. 92,216; May 8.
 Bumper, Door. I. D. Perry. 1,981,283; Nov. 20.
 Bumper end construction. H. R. McMahon. Re19,050; Jan. 16.
 Bumper for automobiles. J. F. Haynes. 1,954,776; Apr. 10.
 Bumper guard. G. E. De Voe. Des. 92,527; June 19.
 Bumper, Self-aligning door. H. Horlitz. 1,947,524; Feb. 20.
 Bumper shoe. N. G. Smith. 1,985,113; Dec. 18.
 Bumper, Vehicle. A. Weiland. 1,978,179; Oct. 23.
 Bumper, Vertical. A. S. Campbell. Des. 92,520; June 19.
 Bumpers and the like, Making automobile. G. A. Lyon. 1,977,448; Oct. 16.
 Bun cutting machine. G. R. Harrild and E. Crabbe. 1,953,558; Apr. 3.
 Bunch building mechanism. H. O. Davidson. 1,969,593; Aug. 7.
 Bunch loader for cigar machines. H. H. Wheeler. 1,964,101; June 26.
 Bunch shaper and bunch moistener for cigar machines. S. Clausen. 1,945,022; Jan. 30.
 Bunching attachment for tractor mowers. C. Pearson. 1,960,277; May 29.
 Bundle binding and tying machine. J. M. Leaver, Jr. 1,983,473; Dec. 4.
 Bundle tier machine. J. J. Bachmayer. 1,962,703; June 12.
 Bundling and wrapping machine. C. A. Matson. 1,949,544; Mar. 6.
 Bung. E. A. Rasbridge. 1,962,409; June 12.
 Bung, Beer barrel. S. Gabel and D. A. Fenichell. 1,966,384; July 10.
 Bung fixture for sheet metal containers. T. W. Rieck. 1,947,425; Feb. 13.
 Bung, Locking. J. Thompson. 1,985,116; Dec. 18.
 Bungee control. A. G. Butler. 1,976,479; Oct. 9.
 Bunk. R. G. Thomas. 1,944,909; Jan. 30.
 Bunker discharge, Automatic. K. Jellinghaus. 1,962,017; June 5.
 Buoy. H. P. Elliott. 1,958,535; May 15.
 Buoy, Luminous. H. M. Peterson. 1,974,832; Sept. 25.
 Buoy, Salvage. E. J. Romano. 1,975,333; Oct. 2.
 Burglar alarm. D. D. Gibson, Jr. 1,962,010; June 5.
 Burglar alarm switch. H. A. Wolfgram. 1,974,592; Sept. 25.
 Burglar and fire alarm. J. L. Kraus, 2d, and F. Saunders. 1,952,079; Mar. 27.
 Burglar guard and alarm, Window. K. L. Jones. 1,942,707; Jan. 9.
 Burglarproof screen. H. O. Bank. 1,946,381; Feb. 6.
 Burglar protection device. F. L. Gamache. 1,961,662; June 5.
 Burglar trap. R. D. Clark. 1,965,030; July 3.
 Burial box. A. J. Toddhunter. 1,953,374; Apr. 3.
 Burial case. M. Smysor. 1,943,094; Jan. 9.
 Burial case or vault. J. A. Vogel. 1,964,234; June 26.

- Burial casket. R. P. Henderson. Des. 93,271; Sept. 11.
 Burial casket. E. V. Ludwig. 1,965,385; July 3.
 Burial vault. H. Cohen. Des. 92,881; July 31.
 Burner: See—
 Coal burner.
 Conical electric burner.
 Continuous burner.
 Fluid fuel burner.
 Fuel burner.
 Fuel oil burner.
 Garbage burner.
 Gas and oil burner.
 Gas burner.
 Gas fuel burner.
 Gas stove burner.
 Hydrocarbon burner.
 Incense burner.
 Liquid fuel burner.
 Oil burner.
 Petroleum wick burner.
 Pilot burner.
 Pulverized coal burner.
 Pulverized fuel burner.
 Radiant burner.
 Rotary fuel burner.
 Rubbish burner.
 Sulphur burner.
 Thermostatic gas burner.
 Tire tread burner.
 Vaporizing burner.
 Weed burner.
 Wick oil burner.
 Burner. J. B. Burdett. 1,959,456; May 22.
 Burner. L. S. Chadwick and C. J. Kessler. 1,944,492; Jan. 23.
 Burner. R. D. Cheesman. 1,949,560; Mar. 6.
 Burner. H. H. Dodge. 1,964,872; July 3.
 Burner. E. N. Dollin and B. F. Waddell. 1,945,934; Feb. 6.
 Burner. M. Frisch. 1,950,980; Mar. 13.
 Burner. A. J. Gilbert. 1,960,842; May 29.
 Burner. J. E. Histed. 1,954,173; Apr. 10.
 Burner. E. J. Horton. 1,972,016; Aug. 28.
 Burner. F. T. Johnson. 1,984,879; Dec. 18.
 Burner. G. R. Robertson. 1,978,477; Oct. 30.
 Burner. G. Ruggiero. 1,983,244-5; Dec. 4.
 Burner. R. M. Sherman. 1,961,084; May 29.
 Burner. R. M. Sherman and F. F. Neumann. 1,961,086; May 29.
 Burner. G. S. Thompson and W. G. Bagley. 1,960,685; May 29.
 Burner. L. T. Wilcox. 1,965,018; July 3.
 Burner air diffuser, Oil. C. G. Sigwald. 1,979,577; Nov. 6.
 Burner and assembly therefor, Gas. P. J. Sonner. 1,983,644; Dec. 11.
 Burner and ignition controller with purging period. M. E. Henning. 1,962,506; June 12.
 Burner and ignition controller with shut-down. M. E. Henning. 1,980,525; Nov. 13.
 Burner and safety control therefor. S. J. Lonergan. 1,962,200; June 12.
 Burner and valve, Safety gas. J. Svaicer. 1,953,661; Apr. 3.
 Burner assembly. C. J. Levey. 1,981,602; Nov. 20.
 Burner base or similar article, Laboratory. C. S. Hornberger. Des. 92,720; July 10.
 Burner casing. L. Guild. Des. 92,846; July 24.
 Burner control. A. H. Ballard. 1,963,771; June 19.
 Burner control apparatus. H. F. Dever. 1,969,968; Aug. 14.
 Burner control apparatus. L. M. Persons. 1,962,095; June 5.
 Burner control apparatus and system. J. C. Bogle. 1,969,961; Aug. 14.
 Burner control apparatus and system. H. F. Dever. 1,969,967; Aug. 14.
 Burner control, Gas. E. J. Brady and E. Hall. 1,983,213; Dec. 4.
 Burner control, Gas pilot. J. A. Perry and E. J. Brady. 1,964,300; June 26.
 Burner control, Oil. E. J. Te Pas. 1,981,479; Nov. 20.
 Burner control, Oil. C. L. Warner. 1,960,519; May 29.
 Burner control, Safety gas. C. Schuck and G. Layer. 1,943,490; Jan. 16.
 Burner control unit, Gas. R. Magin. 1,962,251; June 12.
 Burner control valve, Automatic. S. W. E. Andersson. 1,961,325; June 5.
 Burner controlling apparatus. D. G. Taylor. 1,961,802; June 5.
 Burner controls, Oil. G. W. Engstrom. 1,955,797; Apr. 24.
 Burner device, Gas. N. J. Surges. 1,984,708; Dec. 18.
 Burner for furnaces. E. Burg. 1,943,286; Jan. 16.
 Burner for industrial furnaces, Gas. F. J. Winder and W. Lehrer. 1,950,015; Mar. 6.
 Burner for liquid fuel especially for cutting and welding under water. G. Winckler. 1,981,766; Nov. 20.
 Burner for liquid or comminuted solid fuels. G. B. Vroom. 1,953,090; Apr. 3.
 Burner for open-hearth furnaces, Gas. G. R. McDermott. 1,950,007; Mar. 6.
 Burner for tank heaters, Oil. W. R. Hartung. 1,965,835; July 10.
 Burner for the firing of furnaces. W. A. Woodeson. 1,979,784; Nov. 6.
 Burner of horizontal type. C. G. Hawley. 1,977,478; Oct. 16.
 Burner or injector, Liquid fuel. E. A. Franks. 1,960,736; May 29.
 Burner structure, Gas. G. H. Irwin. 1,948,663; Feb. 27.
 Burners, Automatic operation of fuel. C. Schuck, Jr., and G. Layer. 1,983,710; Dec. 11.
 Burners for fluid fuel, Apparatus for controlling. F. G. Hausler. 1,958,240; May 8.
 Burnishing machine. F. C. Good. 1,967,120; July 17.
 Burnishing or polishing device. J. F. Fabregat. 1,974,771; Sept. 25.
 Burr-cutting attachment for adjustable pipe die stocks. J. F. McNair. 1,966,128; July 10.
 Burrs from sheet metal stampings, Device for removing. A. Raiche. 1,964,174; June 26.
 Burrs from welded material, Method and apparatus for removing. S. Richards. 1,973,877; Sept. 18.
 Bus. C. H. Frazer. 1,943,472; Jan. 16.
 Bus and switch gear, Oil filled. H. C. Kalwitz. 1,944,661; Jan. 23.
 Bus bar and bushing connection. C. W. Roberts. 1,978,649; Oct. 30.
 Bus body. E. O. Schjolin. 1,953,991; Apr. 10.
 Bus clamp. A. Alsaker and N. G. Polgov. 1,979,090; Oct. 30.
 Bus power unit, Motor. C. W. Miller and G. C. Goode. 1,944,256; Jan. 23.
 Bus support. E. S. Cornell and M. Stene. 1,979,099; Oct. 30.
 Bus ventilator. H. J. Graham. 1,983,979; Dec. 11.
 Bushing. F. E. Aurand. 1,955,165; Apr. 17.
 Bushing, Angle cock. S. G. Down. 1,967,297; July 24.
 Bushing extractor and inserter. L. B. Miller. 1,972,455; Sept. 4.
 Bushing for dehydrators. G. B. Hanson. 1,978,793; Oct. 30.
 Bushing for locomotive valve motions. J. C. Sharp. 1,970,199; Aug. 14.
 Bushing for locomotives, Floating driving. J. C. McVay and H. H. Urbach. 1,945,060; Jan. 30.
 Bushing for luminous display tubes. H. S. Ingold. 1,962,847; June 12.
 Bushing, High voltage. A. J. Maslin. 1,955,305; Apr. 17.
 Bushing insulator. A. O. Austin. 1,967,653; July 24.
 Bushing insulator. A. O. Austin. 1,983,335; Dec. 4.
 Bushing means. J. C. Daley and E. Goddard. 1,983,347; Dec. 4.
 Bushing openings. G. E. Vance. 1,944,380; Jan. 23.
 Bushing, Pipe. B. Grawoig. 1,974,813; Sept. 25.
 Bushing, Rectifier anode. S. Widmer and A. Gaudenzi. 1,943,251; Jan. 9.
 Bushing, Roller. P. S. Rydbeck. 1,979,707; Nov. 6.
 Bushing structure and forming same. S. Schwartz. 1,961,712; June 5.
 Bushing structures, Apparatus for forming. H. Schwartz. 1,942,666; Jan. 9.
 Bushing tool. A. Yordi. 1,970,682; Aug. 21.
 Bushings for electric conduits, Making. D. W. Pond. 1,977,861; Oct. 23.
 Bushings, Making. O. R. Briney. 1,949,527; Mar. 6.
 Bust section, Knitted shaped. H. H. Mueller. 1,948,670; Feb. 27.
 Buster lead attachment for tractors. B. Ganaway. 1,981,228; Nov. 20.
 Butadiene, Production of. P. Baumann and H. Tanneberger. 1,955,046; Apr. 17.
 Butanol, Making normal. C. O. Young. 1,966,157; July 10.
 Butt joint construction. W. B. Foster. 1,970,422; Aug. 14.
 Butt plate for gun stocks. O. B. Emswiler. 1,951,135; Mar. 13.
 Butt sealing and exhaust machine, Combination. F. T. May. 1,953,492; Apr. 3.
 Butt welded end fitting. H. H. Febrey. 1,977,846; Oct. 23.
 Butt welding machine. J. Vehko. 1,973,159; Sept. 11.
 Butter. J. M. Willem. 1,952,698; Mar. 27.
 Butter-dispensing machine. C. I. Woods. 1,973,423; Sept. 11.
 Butter, Making. H. D. Wendt. 1,977,927; Oct. 23.
 Butter, Making. H. D. Wendt. 1,977,929; Oct. 23.
 Butter melting and spreading device. E. F. Lay and C. W. Shirley. 1,967,443; July 24.
 Butter, Method and apparatus for cutting and wrapping. F. C. Goodwin. 1,975,936; Oct. 9.
 Butter printing and cutting machine. B. Rottenberg. 1,967,972; July 24.
 Butter receptacle. R. B. Bagby. 1,963,878; June 19.
 Butter substitutes, Preparation of. H. W. Vahlteich. 1,975,672; Oct. 2.
 Butterfly valve. P. A. Kinzie, J. L. Savage, and L. E. France. 1,951,283; Mar. 13.
 Button. J. Barratt. 1,985,758; Dec. 25.
 Button. E. L. Bosselman. Des. 92,159; May 8.
 Button. L. R. Carley. Des. 91,603; Feb. 27.
 Button. L. R. Carley. Des. 92,337; May 29.
 Button. A. A. Cavicchi. 1,980,909; Nov. 13.
 Button. J. M. Clark. 1,959,092; May 15.
 Button. B. F. Conner. Des. 91,606-8; Feb. 27.
 Button. J. A. and W. A. Devendorf. 1,972,512; Sept. 4.
 Button. W. Forstner. Des. 92,595; June 26.
 Button. L. Glick. Des. 92,171; May 8.
 Button. W. F. Haas. Des. 91,581-2; Feb. 20.
 Button. G. A. Holmes. 1,984,743; Dec. 18.
 Button. S. Posner. Des. 91,367; Jan. 16.
 Button. J. E. Röhrs. 1,970,901; Aug. 21.
 Button. S. Rosenthal. Des. 91,594; Feb. 20.
 Button. S. Rosenthal. Des. 91,844; Mar. 27.
 Button. L. Schneider. Des. 91,969; Apr. 10.
 Button and the like, Collar. F. P. Daughaday. 1,958,943; May 15.
 Button attaching machine. J. M. Clark. 1,967,662; July 24.
 Button, Collar. A. Bissailon. 1,953,919; Apr. 10.
 Button, Collar. G. Charles. 1,942,744; Jan. 9.
 Button fastener. O. C. Reich. 1,982,540; Nov. 27.
 Button, Garment. J. Shadlowsky. Des. 91,739; Mar. 13.

- Buttonhole and making the same. D. Zilinsky. 1,945,104; Jan. 30.
- Buttonhole fabric. T. F. Moore. 1,977,137; Oct. 16.
- Buttonhole sewing machine. H. C. Miller. 1,962,905; June 12.
- Button loop. J. H. Domkee. 1,973,976; Sept. 18.
- Button making machine. E. Clemens. Re19,379; Nov. 27.
- Button, Metal. W. T. Abel. 1,973,243; Sept. 11.
- Button, Molded. P. E. Fenton. 1,943,063; Jan. 9.
- Button mounting, Horn. W. A. Kull. 1,967,030; July 17.
- Button or similar article. S. Green. Des. 91,580; Feb. 20.
- Button or similar article, Garment. A. Furtch. Des. 93,098; Aug. 21.
- Button or the like sewing machine. R. L. Lyons. 1,962,903; June 12.
- Button, Pivot back. L. Schuster. 1,981,813; Nov. 20.
- Button press, Power driven. E. W. Zeh. 1,964,840; July 3.
- Button, Quick attachable. D. I. Reiter. 1,968,221; July 31.
- Button, Self-shank. R. P. Magnenat. 1,967,958; July 24.
- Buttons, Fusing bifocal. C. G. Haering. 1,980,401; Nov. 13.
- Buttons to work, Securing. R. L. Lyons. 1,951,516; Mar. 20.
- Buttress dam, Radial. C. R. Olberg. 1,965,988; July 10.
- Butyl alcohol by fermentation, Production of. C. W. Hancock. 1,969,218; Aug. 7.
- Butyl alcohol, Process for the purification of tertiary. W. W. Hartman. 1,950,889; Mar. 13.
- Butyl-cymene, Preparation of. H. Barbier. 1,951,123; Mar. 13.
- Butyl lactate, Secondary. S. L. Bass and H. N. Fenn. 1,956,972; May 1.
- By-pass condenser. C. H. Caine. 1,948,506; Feb. 27.
- By-pass line valve. W. N. Glab. 1,952,430; Mar. 27.
- By-pass or hydraulic mechanism, Automatic. R. Erling. 1,969,736; Aug. 14.
- By-pass valve. D. S. Willson. 1,965,526; July 3.
- By-passing device for idle running steam engines. I. Trofimoff. 1,950,705; Mar. 13.
- By-product ammonia recovery method. F. W. Sperr, jr. 1,980,010; Nov. 6.
- By-product recovery system of a coal distillation plant, Operation of the. S. P. Miller. 1,944,130; Jan. 16.
- By-products at a coal distillation plant, Process and apparatus for recovering and processing. S. P. Miller. 1,979,046; Oct. 30.
- C-link and lock therefor. W. J. Gourley and F. H. Barney. 1,966,665; July 17.
- C-substituted pyrimidines of the anthraquinone series. H. Raeder. 1,980,549; Nov. 13.
- CC-phenylethyl-N-n-propyl-barbituric acid and manufacture of same. O. Schneider. 1,960,170; May 22.
- Cabin. E. G. Erickson. 1,971,977; Aug. 28.
- Cabins, Construction of log. C. W. Bonn. 1,980,660; Nov. 13.
- Cabinet. J. E. Bales and J. E. Hallberg. 1,944,394; Jan. 23.
- Cabinet. I. Copeland. Des. 93,705; Oct. 30.
- Cabinet. C. R. Crosno. 1,967,765; July 24.
- Cabinet. A. J. Goodwin. 1,979,222; Oct. 30.
- Cabinet. E. Ohnstrand. 1,951,202; Mar. 13.
- Cabinet. R. T. Smith. Des. 91,373; Jan. 16.
- Cabinet. G. H. Trout. 1,961,803; June 5.
- Cabinet, Amusement game. C. R. Kirk. Des. 93,113; Aug. 21.
- Cabinet and shelf structure. E. E. Allyn. 1,970,213; Aug. 14.
- Cabinet, Automatic display. A. Campanella. 1,971,947; Aug. 28.
- Cabinet, Baby toilet. D. Owings. 1,952,216; Mar. 27.
- Cabinet, Bathroom. A. Gizi. Des. 91,320; Jan. 9.
- Cabinet, Beer dispensing. C. Harazen and F. J. Hajek. Des. 91,822; Mar. 27.
- Cabinet, Beverage-dispensing. B. T. Phillips. Des. 91,899; Apr. 3.
- Cabinet, Cash register. H. J. Williams. Des. 91,379; Jan. 16.
- Cabinet, Cash register. H. J. Williams. Des. 91,745; Mar. 13.
- Cabinet construction. Z. Chafee. 1,945,020; Jan. 30.
- Cabinet construction. T. Leya. 1,953,357; Apr. 3.
- Cabinet corner construction. H. Berg. 1,981,494; Nov. 20.
- Cabinet, Display. H. K. T. Sherwood and J. G. Moore. 1,966,565; July 17.
- Cabinet, Display. M. J. Straayer. Des. 93,641; Oct. 16.
- Cabinet, Display. L. M. Swain. Des. 91,966; Apr. 10.
- Cabinet, Display. H. J. Woodall. 1,949,508; Mar. 6.
- Cabinet, drying rack. R. H. Carter. 1,953,700; Apr. 3.
- Cabinet, Eye testing. C. B. Scott. 1,953,268; Apr. 3.
- Cabinet, Filing. Z. Auerbach. 1,943,577; Jan. 16.
- Cabinet, Filing. C. A. Finley. 1,957,407; May 1.
- Cabinet, Filing. B. G. Rand. 1,953,024; Mar. 27.
- Cabinet, Filing. C. F. Wolters. 1,943,997; Jan. 16.
- Cabinet, Filing. C. F. Wolters. 1,953,900; Apr. 3.
- Cabinet for a fortune telling or amusement device. R. F. Thornton and C. A. Blankenburg. Des. 92,630; June 26.
- Cabinet for a game of skill. F. R. Marsh. Des. 91,952; Apr. 10.
- Cabinet for a game table. H. B. Stoner. Des. 91,335; Jan. 9.
- Cabinet for a mechanical game and vending apparatus or similar article. J. F. Macourek. Des. 93,497; Oct. 2.
- Cabinet for air conditioning apparatus or the like. L. S. Keilholtz. Des. 93,409; Sept. 25.
- Cabinet for air conditioning unit or similar article. J. W. Gosling. Des. 92,958-9; Aug. 7.
- Cabinet for air conditioning unit or similar article. E. W. Roessler. Des. 92,979; Aug. 7.
- Cabinet for barbers' tools, Sterilizer. J. J. Ellis. Des. 92,067; Apr. 24.
- Cabinet for cash registers. J. D. Lorenz. Des. 91,396-7; Jan. 23.
- Cabinet for cash registers. J. D. Lorenz. Des. 91,465; Feb. 6.
- Cabinet for magazines. P. W. Hood. Des. 93,659; Oct. 23.
- Cabinet for oil burners, Fuel. F. W. and F. W. Barhoff, jr. 1,978,832; Oct. 30.
- Cabinet for phonographs or the like. T. E. Samuelson. Des. 93,851-2; Nov. 13.
- Cabinet for radioreceiver. S. T. Thompson and J. Streng. Des. 93,189; Aug. 28.
- Cabinet for refreshing biscuits, rolls, and the like. W. A. Brouillet. 1,946,963; Feb. 13.
- Cabinet for surgical gauze and the like, Sanitary dispensing. A. H. Parlett. 1,946,105; Feb. 6.
- Cabinet for toothbrushes. C. F. Tomson and W. I. Fritz. 1,951,585; Mar. 20.
- Cabinet for washing machines or the like. L. Guild. Des. 93,101; Aug. 21.
- Cabinet, Heater. E. L. Snyder. Des. 93,948; Nov. 27.
- Cabinet, Ice cream. G. W. Cocks and J. L. Ginsberg. 1,978,565; Oct. 30.
- Cabinet, Ice-cream. E. S. Prince. 1,947,571; Feb. 20.
- Cabinet ironing board. J. Buffelen. 1,970,734; Aug. 21.
- Cabinet, Kitchen. W. J. Conwell. 1,949,827; Mar. 6.
- Cabinet, Kitchen. P. F. Fiene. 1,951,238; Mar. 13.
- Cabinet, Kitchen. N. R. Moore. 1,985,189; Dec. 18.
- Cabinet, Kitchen utility. H. W. Pedersen. Des. 91,541; Feb. 20.
- Cabinet, Lunch room kitchen. J. C. Stedman. Des. 92,565; June 19.
- Cabinet, Merchandise storing and displaying. H. W. Russell. 1,945,381; Jan. 30.
- Cabinet, Napkin dispensing. C. O. Parmley. 1,945,911; Feb. 6.
- Cabinet or enclosure for fans. T. B. Jones. Des. 91,524; Feb. 20.
- Cabinet or similar article. F. D. Kissel and P. P. Runnels. Des. 92,253; May 15.
- Cabinet or similar article, Air conditioning. R. E. Kruck. Des. 91,394-5; Jan. 23.
- Cabinet or similar article, Portable. H. Rodstein and I. Nathanson. Des. 92,020; Apr. 17.
- Cabinet or similar article, Refrigerator. R. E. Kruck. Des. 91,527; Feb. 20.
- Cabinet or the like, Dental. H. G. Evans. Des. 93,337; Sept. 18.
- Cabinet or the like, Kitchen. H. J. Stentiford. Des. 92,983-4; Aug. 7.
- Cabinet, Radiator. G. H. Anderson. 1,979,817; Nov. 6.
- Cabinet, Radiator. M. J. McHale. 1,959,834; May 22.
- Cabinet, Radiator. R. H. Nelson. Des. 93,569; Oct. 9.
- Cabinet, Radio receiver. L. D. Canavari. Des. 91,803; Mar. 27.
- Cabinet, Refrigerated. C. A. Baker. 1,947,442; Feb. 20.
- Cabinet, Refrigerating. J. E. Gloekler. 1,954,475; Apr. 15.
- Cabinet, Refrigerator. C. G. Frantz. Des. 94,424; Jan. 30.
- Cabinet, Refrigerator. A. L. Lambert. 1,980,807; Nov. 13.
- Cabinet, Safety cash. H. H. Culler and G. B. Patterson. 1,949,954; Mar. 6.
- Cabinet, Safety switch. M. Moreines. 1,984,075; Dec. 11.
- Cabinet, Sectional filing. W. F. Regenhardt. 1,983,307; Dec. 4.
- Cabinet, Seed dispensing. A. L. Jones. 1,942,895; Jan. 9.
- Cabinet, Sewing. E. Boutton and H. A. Brunner. Des. 91,387; Jan. 23.
- Cabinet, Sewing. C. B. Camp. Des. 92,836; July 24.
- Cabinet, Sewing. R. Iriarte. 1,970,655; Aug. 21.
- Cabinet, Shaving. G. Roller. 1,978,819; Oct. 30.
- Cabinet, Shaving. M. K. Weiler. 1,944,049; Jan. 16.
- Cabinet, Sheet-dispensing. S. N. Hope. 1,951,413; Mar. 20.
- Cabinet shelf. H. A. Cook. 1,974,983; Sept. 25.
- Cabinet, Sink. A. M. Murie. 1,982,117; Nov. 27.
- Cabinet, Steam. W. R. Merna. 1,956,394; Apr. 24.
- Cabinet, Stencil filing. H. P. Elliott. 1,982,504; Nov. 27.
- Cabinet structure. C. M. Allen. 1,985,593; Dec. 25.
- Cabinet, Sun bath. W. L. Gittings. 1,964,463; June 26.
- Cabinet, Toilet. H. Katzman. 1,966,800; July 17.
- Cabinet, Towel. J. H. Addler. 1,961,322; June 5.
- Cabinet, Towel. J. H. Addler and H. W. Crowson. 1,946,997; Feb. 13.
- Cabinet, Towel. E. A. Hamner. 1,983,289; Dec. 4.
- Cabinet, Towel. F. M. Steiner and A. L. Overholt. 1,983,646; Dec. 11.
- Cabinet, Towel service. S. Kaldy. 1,942,292; Jan. 2.
- Cabinet, Unit type radiator. F. N. Woodman, G. W. Nelson, and H. Smith. 1,962,225; June 12.
- Cabinet, Visible card index. C. F. Wolters. Des. 93,860; Nov. 13.

- Cabinet with movable fuse hopper, Switch. L. G. Kuhlman and D. T. Wadsworth. 1,949,748; Mar. 6.
- Cabinet, X-ray control. H. N. Henry. Des. 91,823; Mar. 27.
- Cable. C. P. Brodhun. 1,944,634; Jan. 23.
- Cable. C. P. Brodhun. 1,946,190; Feb. 6.
- Cable. P. H. Chase. 1,953,893; Apr. 3.
- Cable. P. H. Chase. 1,980,320; Nov. 13.
- Cable. P. H. Chase. 1,981,612; Nov. 20.
- Cable. A. E. Paige. 1,959,802; May 15.
- Cable anchoring device. H. S. Geer. 1,959,129; May 15.
- Cable and cord, Electrical. G. B. Shaw, E. G. Sturdevant, and C. W. Short. 1,984,038; Dec. 11.
- Cable and making same, Submergible electric. A. Arutunoff. 1,952,191; Mar. 27.
- Cable and method of manufacture, Electrical. E. W. McKnight. 1,943,086; Jan. 9.
- Cable and method of manufacture, Electrical. F. M. Potter and E. W. McKnight. 1,943,087; Jan. 9.
- Cable armoring machine. E. W. Halversen. 1,960,741; May 29.
- Cable, Audiphone. M. Brown. 1,983,928; Dec. 11.
- Cable clamp. E. W. Daniel. 1,953,290; Apr. 3.
- Cable clamp. E. J. De Right. 1,948,845; Feb. 27.
- Cable clamp. H. C. Fliege. 1,958,748; May 15.
- Cable clamp. R. J. Lackner. 1,959,722; May 22.
- Cable clamp. R. C. Morrison. 1,962,964; June 12.
- Cable clamp. A. J. Olson. 1,973,502; Sept. 11.
- Cable clamp, Electric. H. J. Muehleman. 1,979,117; Oct. 30.
- Cable, Concentric return multiconductor. H. W. Dudley. 1,978,418; Oct. 30.
- Cable conductor winding. R. T. Staples. 1,950,126; Mar. 6.
- Cable cone clamp. A. T. Richards and R. J. Cowper, jr. 1,951,064; Mar. 13.
- Cable connector. P. Riccardi and J. Parmeson. 1,963,530; June 19.
- Cable connector. J. B. Miller. 1,981,460; Nov. 20.
- Cable connector. G. R. Tarbox. 1,982,183; Nov. 27.
- Cable connector for high-voltage lines, Wide span. K. Pfisterer. 1,941,715; Jan. 2.
- Cable connector for storage batteries. A. H. Walde. 1,980,893; Nov. 13.
- Cable connector, Making a. R. E. Green. 1,951,654; Mar. 20.
- Cable construction. C. E. Bennett. 1,947,455; Feb. 20.
- Cable contactor and support. J. E. Sumpter. 1,945,575; Feb. 6.
- Cable, Continuously loaded submarine signaling. W. S. Smith, H. J. Garnett, and J. N. Dean. 1,947,314; Feb. 13.
- Cable cutting and stripping tool. J. A. Pedersen. 1,979,487; Nov. 6.
- Cable dampener. C. M. Goodrich. 1,965,494; July 3.
- Cable drum construction for rotary draw-works. G. Tremolada. 1,949,553; Mar. 6.
- Cable, Dynamo-electric brush. H. W. Abbott. 1,959,848; May 22.
- Cable, Electric. C. E. Bennett. 1,968,019; July 31.
- Cable, Electric. C. Cremer. 1,961,962; June 5.
- Cable, Electric. W. A. Del Mar. 1,944,003-4; Jan. 16.
- Cable, Electric. W. A. Del Mar. 1,980,387; Nov. 13.
- Cable, Electric. I. Emanuelli. 1,964,907; July 3.
- Cable, Electric. G. N. Everest. 1,959,854; May 22.
- Cable, Electric. P. V. Hunter. 1,972,625; Sept. 4.
- Cable, Electric. F. Meiwald. 1,978,591; Oct. 30.
- Cable, Electric. T. F. Peterson. 1,956,199; Apr. 24.
- Cable, Electric. T. N. Riley. 1,941,913; Jan. 2.
- Cable, Electric. A. Rohs. 1,955,024; Apr. 17.
- Cable, Electric. A. Sargent. 1,977,209; Oct. 16.
- Cable, Electric. T. R. Scott. 1,958,281; May 8.
- Cable, Electric. E. R. Thomas. 1,955,692; Apr. 17.
- Cable, Electric. G. Zapf. 1,981,890; Nov. 27.
- Cable, Electric conductor. M. E. Noyes. 1,955,468; Apr. 17.
- Cable, Electric power. C. E. Bennett. 1,959,339; May 22.
- Cable, Electric power. C. E. Bennett. 1,969,720; Aug. 14.
- Cable, Electric power. M. Büdscheid. 1,948,439; Feb. 20.
- Cable, Electrical. F. R. Kaimer. 1,952,923; Mar. 27.
- Cable fastening. G. Werner. 1,965,270; July 3.
- Cable fitting. G. C. Burd. 1,949,601; Mar. 6.
- Cable for communication circuits. E. Fischer. 1,948,616; Feb. 27.
- Cable for communication purposes, Submarine. K. Goes and E. Badum. 1,974,712; Sept. 25.
- Cable for electric flat-irons, cooking apparatus and the like, Connection. F. A. Waldau. 1,951,890; Mar. 20.
- Cable for simultaneous low frequency and carrier frequency telephone, Pupin. K. Kämpf. 1,950,184; Mar. 6.
- Cable grip. R. A. Cole and E. C. Tresler. 1,963,693; June 19.
- Cable gripping device. M. Landahl. 1,945,438; Jan. 30.
- Cable grips, Method of and apparatus for making. E. E. Kellens. 1,945,195; Jan. 30.
- Cable guard and holder ring. L. W. Short. 1,967,134; July 17.
- Cable guiding device. B. A. E. Rosenquist. 1,973,446; Sept. 11.
- Cable, High tension electric. L. Emanuelli. 1,962,059; June 5.
- Cable, High tension electric. K. Schlecker. 1,973,111; Sept. 11.
- Cable, High tension electric. G. Zapf. 1,981,536; Nov. 20.
- Cable, High tension submarine. G. Zapf. 1,945,764; Feb. 6.
- Cable, High voltage. W. Pfannkuch. 1,977,325; Oct. 16.
- Cable, Hollow. E. W. Hamcke. 1,944,864; Jan. 23.
- Cable, Hollow. H. A. Staples. 1,984,554; Dec. 18.
- Cable installation. R. W. Atkinson. 1,965,540; July 3.
- Cable installation. D. M. Simmons. 1,971,626; Aug. 28.
- Cable joint. C. E. Bennett. 1,947,454; Feb. 20.
- Cable joint. F. C. Meyer. 1,947,481; Feb. 20.
- Cable machine capstan. E. L. Junghanns. 1,975,950; Oct. 9.
- Cable manufacture. H. Sonnenfeld. 1,970,778; Aug. 21.
- Cable marking machine. L. W. Schake and C. C. Peck. 1,958,717; May 15.
- Cable, Method of and apparatus for making armored. G. E. Phillips. 1,966,517; July 17.
- Cable, Multiconductor. F. B. Livingston. 1,952,875; Mar. 27.
- Cable, Multiconductor shielded. W. A. Del Mar. 1,959,526; May 22.
- Cable, Multiple conductor. E. Kirch. 1,950,182; Mar. 6.
- Cable, Oil-filled. C. Held. 1,973,068; Sept. 11.
- Cable, Oil-filled high voltage. G. Zapf. 1,981,535; Nov. 20.
- Cable outlet. F. B. Wiegand, B. J. Schwendt, and O. S. Flath. 1,982,716; Dec. 4.
- Cable reel. L. W. Nack. 1,972,572; Sept. 4.
- Cable release for photographic shutter. W. A. Riddell. 1,957,911; May 8.
- Cable sheath defects, Locating. T. C. Henneberger. 1,985,348; Dec. 25.
- Cable sheath extrusion apparatus, Self-charging. C. C. Jacobson. 1,972,710; Sept. 4.
- Cable sheath extrusion apparatus, Weldless. C. C. Jacobson. 1,972,709; Sept. 4.
- Cable, Shielded. L. C. Wolcott. 1,958,687; May 15.
- Cable, Single core. T. R. Scott and N. A. Allen. 1,947,676; Feb. 20.
- Cable, Submarine. O. E. Buckley. 1,982,784; Dec. 4.
- Cable, Submarine. G. Zapf. 1,942,321; Jan. 2.
- Cable support. F. C. Lavarack and B. A. Lundy. 1,945,488; Jan. 30.
- Cable support and cable connector, Combined. A. J. Hixon and J. W. Hooley. 1,960,153; May 22.
- Cable support for highway barriers. B. W. Miller. 1,974,719; Sept. 25.
- Cable system. C. E. Bennett. 1,969,721; Aug. 14.
- Cable system, Electric. C. E. Bennett. 1,975,075; Oct. 2.
- Cable system for the underground transmission of high tension electrical energy. C. E. Bennett. 1,969,722; Aug. 14.
- Cable tap. M. J. Cafiero. 1,978,932; Oct. 30.
- Cable tap connector. K. V. Johnson. 1,943,020; Jan. 9.
- Cable terminal. C. E. Bennett. 1,980,370; Nov. 13.
- Cable terminal. A. H. Cook. 1,971,706; Aug. 28.
- Cable terminal. H. Rabezana. 1,979,767; Aug. 21.
- Cable terminal. C. A. Rowley. 1,946,713; Feb. 13.
- Cable terminal protector. M. Wallace. 1,980,121; Nov. 6.
- Cable terminal, Unprotected. W. L. Cook. 1,964,871; July 3.
- Cable, Three-conductor. H. V. Wodtke. 1,977,787; Oct. 23.
- Cable, Transmission. A. Ringel. 1,976,804; Oct. 16.
- Cable unit and applying connecting members thereto, Flexible. D. Bruzon. 1,970,595; Aug. 21.
- Cable winding device. E. B. Carter and W. C. Wall. 1,969,924; Aug. 14.
- Cable with thermoplastic insulation, Multicore. O. E. Buckley and F. S. Malm. 1,957,487; May 8.
- Cable with tubular oil channels, Oil filled. W. A. Del Mar. 1,980,388; Nov. 13.
- Cable wrapping machine. C. C. Sunderland. 1,977,744; Oct. 23.
- Cables and the like and article produced thereby, Connecting. C. S. Anderson. 1,959,402; May 22.
- Cables and the like and article produced thereby, Connecting. C. S. Anderson. 1,979,304; Nov. 6.
- Cables and the like, Fairlead for. H. E. Heighton. 1,943,433; Jan. 16.
- Cables, Apparatus for making hollow. H. A. Staples. 1,961,833; June 5.
- Cables, Balancing ocean. W. D. Cannon and J. W. Milnor. 1,967,183; July 17.
- Cables, Controlling the slack of. F. E. Stahl. 1,946,920; Feb. 13.
- Cables for scrapers and like devices, Apparatus for supporting. H. B. Hillyer. 1,962,274; June 12.
- Cables, Increasing the electrical strength of. C. F. Hanson. 1,950,608; Mar. 13.
- Cables, Making armored. G. E. Phillips. 1,966,516; July 17.
- Cables, Making electrical. L. O. Reichelt. 1,956,730; May 1.
- Cables, Manufacture of. A. E. Haettner. 1,959,471; May 22.
- Cables, Manufacture of stranded, electric multi-core. A. Rohs. 1,981,390; Nov. 20.
- Cables, Manufacture of submarine or other signaling. W. S. Smith, H. J. Garnett, and J. N. Dean. 1,946,337; Feb. 6.
- Cables, Method and machine for coating. W. W. Church and W. C. Robinson. 1,944,822; Jan. 23.

- Cables, Protecting trailing. W. C. Shunk. 1,947,503; Feb. 20.
- Cables, Testing. E. B. Paine, J. Tykocinski-Tykociner, and H. A. Brown. 1,943,392; Jan. 16.
- Cadmium metal in sulphuric acid in the presence of metallic iron, Dissolving. H. P. Corson. 1,949,929; Mar. 6.
- Cafeteria, Bird. H. Dercum. 1,954,286; Apr. 10.
- Cage. P. P. Benson. Des. 91,699; Mar. 13.
- Cage, Bird. F. V. Meindl. 1,944,566; Jan. 23.
- Cage, Bird. R. S. Oliver and F. V. Meindl. 1,977,996; Oct. 23.
- Cage for antifriction bearings. G. M. Skelly. 1,966,266; July 10.
- Cage for antifriction bearings. R. Weis. 1,966,775; July 17.
- Cage or separator for bearings. S. R. Large. 1,982,347; Nov. 27.
- Cage perch. H. E. Sanford. 1,961,171; June 5.
- Cage wall structure. F. Herbst and F. Herbst, jr. 1,961,359; June 5.
- Caisson, Foundation. L. H. Chapman. 1,960,080; May 22.
- Caissons, Sinking. T. L. Green. 1,946,579; Feb. 13.
- Cake and making same, Ice-cream. D. A. Battista. Re19,153; May 1.
- Cake and skein treating system. A. Rüsck. 1,954,649; Apr. 10.
- Cake and the like, Ice-box. W. B. Jones. 1,946,495; Feb. 13.
- Cake and the resulting product, Making. V. M. Votaw and H. S. Coith. 1,971,886; Aug. 28.
- Cake box. C. J. Peterson. 1,950,265; Mar. 6.
- Cake drier. P. A. Janssens. 1,958,480; May 15.
- Cake caddy and the like. E. D. Parr and E. L. Schwarte. 1,985,516; Dec. 25.
- Cake drier. P. A. Janssens. 1,979,940; Nov. 6.
- Cake process and product. A. K. Epstein. 1,964,940; July 3.
- Cakes of carbonic snow, Apparatus for the manufacture of. H. Fievet. 1,965,922; July 10.
- Calandria. R. Kay and A. Kruse. 1,980,623; Nov. 13.
- Calcing diatomaceous earth. M. Stockton. 1,966,362-3; July 10.
- Calcium and magnesium chlorides, Separating. E. O. Barstow, S. B. Heath, and F. R. Minger. 1,978,403; Oct. 30.
- Calcium butyrate, Producing. H. G. Maister. 1,951,250; Mar. 13.
- Calcium chlorate, Purifying. S. B. Heath. 1,949,204; Feb. 27.
- Calcium chloride, Crystallizing. C. F. Prutton. 1,966,832; July 17.
- Calcium chloride, Process and apparatus for the manufacture of hydrated. C. Sundstrom. 1,951,886; Mar. 20.
- Calcium chloride solution, Processing. W. R. Collings. 1,958,034; May 8.
- Calcium cyanide, Preparation of. P. J. Carlisle and C. Dangelmajer. 1,950,879; Mar. 13.
- Calcium gluconate solution and making same, Stable. R. Pasternack and W. R. Giles. 1,965,535; July 3.
- Calcium hydroxyethylphenylamino para sulphonate and preparing same. C. J. Treston. 1,958,218; May 8.
- Calcium hypochlorite composition, Stable. M. C. Taylor. 1,961,576; June 5.
- Calcium lactobionate, Preparation of. H. S. Isbell. 1,980,996; Nov. 20.
- Calcium mixed salts of polyhydroxy monocarboxylic and bromic acids, Manufacture of. A. Stoll and E. Burckhardt. 1,967,760; July 24.
- Calcium phosphate and producing the same, Granular. W. H. Knox, jr. 1,943,919; Jan. 16.
- Calcium phosphate, Producing by-product. C. S. Bryan. 1,969,449; Aug. 7.
- Calcium preparations, Manufacture of therapeutic. V. Christina. 1,983,344; Dec. 4.
- Calcium sulphate, Producing finely divided hydrated. F. Von Bichowsky. 1,943,497; Jan. 16.
- Calcium sulphite and paper containing the same. G. Haywood. 1,984,188; Dec. 11.
- Calculating and printing machine. O. J. Sundstrand. 1,965,611; July 10.
- Calculating apparatus. O. L. Woodbury. 1,973,192; Sept. 11.
- Calculating device. H. A. De Valle Arizpe. 1,969,296; Aug. 7.
- Calculating device. N. Duran. 1,955,672; Apr. 17.
- Calculating device. L. A. Graham. 1,962,866; June 12.
- Calculating device. M. P. Hite. 1,961,295; June 5.
- Calculating device. J. F. Summers. 1,959,990; May 22.
- Calculating device. B. R. Wellington. 1,965,017; July 3.
- Calculating device. B. R. Wellington. 1,965,062; July 3.
- Calculating machine. J. Bricken (now by judicial change of name to J. G. Beaver). 1,968,123; July 31.
- Calculating machine. E. F. Britten, jr. 1,964,975; July 3.
- Calculating machine. E. F. Britten, jr. 1,965,879; July 10.
- Calculating machine. R. C. Coxhead. 1,959,779; May 22.
- Calculating machine. C. M. F. Friden. 1,949,740-1; Mar. 6.
- Calculating machine. C. M. F. Friden. 1,957,496; May 8.
- Calculating machine. C. M. F. Friden. 1,957,950; May 8.
- Calculating machine. C. M. F. Friden. 1,969,262; Aug. 7.
- Calculating machine. C. M. F. Friden. 1,970,512; Aug. 14.
- Calculating machine. C. M. F. Friden. 1,980,579; Nov. 13.
- Calculating machine. C. M. F. Friden. 1,981,226; Nov. 20.
- Calculating machine. C. Gardner. 1,966,584; July 17.
- Calculating machine. A. Gorbatchesky. 1,974,239; Sept. 18.
- Calculating machine. J. E. W. Greve. 1,953,557; Apr. 3.
- Calculating machine. R. Haase. 1,956,349; Apr. 24.
- Calculating machine. C. Hamann. 1,968,201; July 31.
- Calculating machine. H. Isherwood. 1,958,515; May 15.
- Calculating machine. G. Lerch. 1,946,942; Feb. 13.
- Calculating machine. G. Lerch. 1,970,096; Aug. 14.
- Calculating machine. C. Luttrupp. 1,958,970; May 15.
- Calculating machine. C. Luttrupp. 1,983,625; Dec. 11.
- Calculating machine. R. L. Muller. 1,949,918; Mar. 6.
- Calculating machine. A. A. Overbury. 1,964,211; June 26.
- Calculating machine. A. A. Overbury. 1,964,478; June 26.
- Calculating machine. E. Racz. 1,960,189; May 22.
- Calculating machine. C. Schlüns. 1,947,620; Feb. 20.
- Calculating machine. K. Siewert. 1,957,617; May 8.
- Calculating machine. O. J. Sundstrand. 1,979,295; Nov. 6.
- Calculating machine. G. Tauschek. 1,950,527; Mar. 13.
- Calculating machine, Card-controlled. G. Tauschek. 1,944,676; Jan. 23.
- Calculating machine, Pocket. C. Kübler. 1,961,053; May 29.
- Calculating machine with automatic multiplying device. A. Kottmann. 1,973,437; Sept. 11.
- Calculating machine with automatic multiplying means. A. Kottmann. 1,974,494; Sept. 25.
- Calculating machines, Apparatus for actuating the counting wheels of. A. Kottmann. 1,962,690; June 12.
- Calculating machines, Automatic rounding off mechanism for. A. Kottmann. 1,950,183; Mar. 6.
- Calculating machines, Paper carriage equipment for. R. L. Muller. 1,942,216; Jan. 2.
- Calculating or adding machine. G. B. Petter. 1,983,945; Dec. 11.
- Calculating recording machine, Combined. H. A. Footthorap. 1,959,783; May 22.
- Calculating system and apparatus therefor. H. B. Cloud. 1,954,723; Apr. 10.
- Calculator. J. Quijano. 1,941,911; Jan. 2.
- Calculator and direct reading humidity indicator. H. W. Dusenberre. 1,972,089; Sept. 4.
- Calculator, Listing. L. P. Crosman. 1,945,027; Jan. 30.
- Calculator, Listing. L. P. Crosman. 1,946,572; Feb. 13.
- Calculator, Water pressure. M. R. Crane and E. F. Coop. 1,978,402; Oct. 30.
- Calendar. H. L. Fischer. 1,956,643; May 1.
- Calendar. D. W. Pinkerton. 1,949,328; Feb. 27.
- Calendar and penholder, Combined. H. Janssen. Des. 94,086; Dec. 18.
- Calendar, Electric. R. J. Sharpe and E. Pekonen. 1,950,821; Mar. 13.
- Calendar, Electrically lighted. V. L. Tunaya. Des. 93,256; Sept. 4.
- Calendar holding means. C. N. Montanye. 1,979,005; Oct. 30.
- Calendar or similar article. A. M. and A. L. Gordon. Des. 92,652; July 3.
- Calendar pad. R. M. Hall. 1,943,599; Jan. 16.
- Calendar pad holder. C. Hansen. 1,972,263; Sept. 4.
- Calendar, Perpetual. J. S. Fisher. 1,970,419; Aug. 14.
- Calendar, Perpetual. L. E. Gould. 1,971,854; Aug. 28.
- Calendar, Perpetual. M. C. Haley. 1,948,576; Feb. 27.
- Calendar, Perpetual. V. Hansen. 1,977,555; Oct. 16.
- Calendar stand. C. N. Montanye. Des. 92,419; June 5.
- Calendering device. J. A. McCrohan. 1,979,004; Oct. 30.
- Calendering machine. A. Lade. 1,973,690; Sept. 11.
- Calif weaner. C. O. Myhre. 1,947,273; Feb. 13.
- Caliper attachment for outside micrometer calipers. E. Mayman. 1,956,871; May 1.
- Caliper, Truing. J. H. Bryans. 1,977,754; Oct. 23.
- Caliper mechanism. A. Allen and J. G. Callan. 1,946,924; Feb. 13.
- Calipers. E. L. Cecil and J. J. Callahan. 1,952,657; Mar. 27.
- Calipers. B. B. Wittfoht. 1,963,331; July 31.
- Calk. G. Smith. 1,983,406; Dec. 4.
- Calk structure. D. W. Wiggins. 1,954,761; Apr. 10.
- Calking compound. G. Klinkenstein. 1,974,745; Sept. 25.
- Calking device. C. A. Cottam. 1,943,723; Jan. 16.
- Call forwarding system. L. Kardorff. 1,965,123; July 3.
- Call recording system. R. D. Parker and B. S. Swezey. 1,952,280; Mar. 27.
- Cam. A. G. Gilbert. 1,955,233; Apr. 17.
- Cam. H. P. Govare and F. M. M. B. Salomon. 1,979,195; Oct. 30.
- Cam and slide mechanism. E. Bommer. 1,978,736; Oct. 30.
- Cam element. K. Howie. 1,968,945; Aug. 7.
- Cam grinding machine, Automatic. A. G. Belden and C. G. Trefethen. 1,945,588; Feb. 6.
- Cam lever closing arrangement for pressure cooking pots. A. R. Pagano. 1,945,752; Feb. 6.
- Cam means for leveling horse body. W. H. Heise. 1,968,206; July 31.

- Camshaft drive for radial engines. G. W. Cochrington. 1,975,826; Oct. 9.
 Camshaft driving mechanism for internal-combustion engines. S. M. Viale. 1,971,885; Aug. 28.
 Cam shaft lapping machine. H. J. Wills. 1,957,568; May 8.
 Cam-tooth-generating mechanism. F. Marriott and C. Neklutin. 1,949,062; Feb. 27.
 Cams, Cutting multidimensional. L. Malkovsky. 1,977,194; Oct. 16.
 Camera. G. Atterbury. 1,947,510; Feb. 20.
 Camera. W. A. Black. 1,974,842; Sept. 25.
 Camera. E. G. Brown and J. G. Frayne. 1,957,525; May 8.
 Camera. J. Buholzer. 1,949,351; Feb. 27.
 Camera. C. D. Chase. 1,946,836; Feb. 13.
 Camera. R. C. Cunningham. 1,964,722; July 3.
 Camera. T. M. De La Garde. 1,950,715; Mar. 13.
 Camera. C. De Marco. 1,951,473; Mar. 20.
 Camera. O. Diaz. 1,971,370; Aug. 28.
 Camera. S. J. Haberman. 1,958,339; May 8.
 Camera. W. W. Hook. 1,948,579; Feb. 27.
 Camera. E. H. Horns. 1,946,855; Feb. 13.
 Camera. G. Moulin and F. A. Lathe. 1,984,420; Dec. 18.
 Camera. G. M. Walters. 1,963,107; June 19.
 Camera actuating mechanism. C. W. Kanolt. 1,977,310; Oct. 16.
 Camera and film spool therefor. J. Muros. 1,967,061; July 17.
 Camera and finder, Combination. A. Fried. 1,966,092; July 10.
 Camera and illuminator, Combined. A. E. Alderman. 1,960,722; May 29.
 Camera and picture projecting and viewing apparatus. Photographic. M. Bowman-Manifold and W. F. Tedham. 1,964,765; July 3.
 Camera and reproducer, Motor driven sound and picture recording. W. W. Wehr. 1,979,718; Nov. 6.
 Camera and viewing device, Stereoscopic. J. H. Harlow. 1,957,043; May 1.
 Camera attachment. K. W. Thalhammer. 1,944,476; Jan. 23.
 Camera, Automatic. H. Singer. 1,956,456; Apr. 24.
 Camera, Automatic film. W. H. Petit and E. S. Hinehline. 1,963,095; June 19.
 Camera, Automatic self-erecting front. C. C. Fuerst. 1,976,339; Oct. 9.
 Camera, Automatic strip photographic. E. E. Lee. 1,973,318; Sept. 11.
 Camera back and shutter. C. J. Stokes. 1,948,141; Feb. 20.
 Camera casing. E. Farkas. Des. 92,650; July 3.
 Camera casing. W. D. Teague. Des. 92,830; July 17.
 Camera, Cinematograph. A. G. Hillman. 1,983,800; Dec. 11.
 Camera, Clockwork motion picture. K. Morsbach. 1,960,061; May 22.
 Camera, Duplex. C. J. Hughey. 1,973,484; Sept. 11.
 Camera flash light attachment. L. R. Krupnick and E. F. McBroom. 1,954,673; Apr. 10.
 Camera flash-light attachment. G. L. Lang. 1,945,942; Feb. 6.
 Camera for indexing skiagraphs. W. E. Chamberlain. 1,974,174; Sept. 18.
 Camera gun. A. Kurnick. 1,955,300; Apr. 17.
 Camera head. K. W. Thalhammer. 1,958,055; Feb. 20.
 Camera, Identification. H. H. Cole. 1,983,898; Dec. 11.
 Camera latch, Self-erecting front. N. B. Green. 1,950,884; Mar. 13.
 Camera leveling and shutter controlling apparatus. A. T. Kennedy. 1,942,604; Jan. 9.
 Camera mechanism. S. J. Pask. 1,951,038; Mar. 13.
 Camera, Motion picture. T. M. De La Garde. 1,970,844; Aug. 21.
 Camera, Motion picture. J. D. Elms. 1,943,378; Jan. 16.
 Camera, Motion picture. H. K. Fairall. 1,956,947; May 1.
 Camera, Motion picture. F. X. Graser. 1,980,915; Nov. 13.
 Camera, Motion picture. L. H. Moomaw. 1,979,984; Nov. 6.
 Camera, Motion picture. K. Morsbach, M. Hettler, and K. Raschke. 1,960,062; May 22.
 Camera, Motion picture. E. S. Porter. 1,962,031; June 5.
 Camera mount. W. A. Black. 1,942,161; Jan. 2.
 Camera mount, Universal. W. H. Richards. 1,955,770; Apr. 24.
 Camera, Photographic. A. Barenyl. 1,941,784; Jan. 2.
 Camera, Photographic. O. Barnack. 1,967,279; July 24.
 Camera, Photographic. O. Barnack. 1,972,640; Sept. 4.
 Camera, Photographic. W. Bernpohl. 1,951,896; Mar. 20.
 Camera, Photographic. K. Frenzel. 1,941,602; Jan. 2.
 Camera, Photographic. H. Nagel. 1,974,655; Sept. 25.
 Camera, Photographic. H. Nagel. 1,984,078; Dec. 11.
 Camera, Photographic. W. H. Petit and E. S. Hinehline. 1,980,546; Nov. 13.
 Camera, Photographic. E. L. Weisse. 1,979,719; Nov. 6.
 Camera, Photographic pocket. R. Rochester. Des. 93,580; Oct. 9.
 Camera plates or shutters, Mechanism for moving. C. W. Kanolt. 1,947,555; Feb. 20.
 Camera, Self-threading. J. Mihalyo. 1,947,483; Feb. 20.
 Camera shutter. H. Deckel and M. Burger. 1,963,324; June 19.
 Camera shutter. A. L. Mayer. 1,966,556; July 17.
 Camera shutter, Focal plane. T. M. de la Garde. 1,951,347; Mar. 20.
 Camera shutter, Multiview. J. W. Anderson. 1,984,620; Dec. 18.
 Camera shutter retard, Photographic. W. A. Riddell. 1,966,313; July 10.
 Camera shuttle. H. K. Fairall. 1,944,228; Jan. 23.
 Camera, Sound. E. I. Sponable. 1,984,438; Dec. 18.
 Camera, Sound-insulated. G. N. Ball. Re19,204; June 12.
 Camera, Sound-on-film recording. C. Tappan. 1,981,207; Nov. 20.
 Camera spool and winding mechanism, Miniature. N. Bouveng. 1,957,426; May 8.
 Camera, Stereoscopic. R. L. Transtrom. 1,952,519; Mar. 27.
 Camera support. J. L. Spence, jr. 1,977,154; Oct. 16.
 Camera support, Motion picture. J. M. Warner. 1,972,000; Aug. 28.
 Camera with finder, Photographic. H. Kuppenbender, M. Nowicki, E. Goldberg, and A. Mende. 1,973,213; Sept. 11.
 Camera with moving reflectors. G. B. Devin. 1,970,598; Aug. 21.
 Cameras, Operating mechanism for. G. P. Grant. 1,946,687; Feb. 13.
 Cameras, Reflex finder for motion picture. O. Wittel. 1,984,103; Dec. 11.
 Cameras, Viewing and focus-finding device for. G. G. Moreno. 1,962,321; June 12.
 Camp attachment for automobiles. V. R. Will. 1,966,023; July 10.
 Camp chair and rocker, Combination. C. E. Meeker. 1,969,313; Aug. 7.
 Camphor, Synthesis of. E. K. H. Berger. 1,983,894; Dec. 11.
 Can: See—
 Dispensing can. Ring neck key can.
 Fiber can. Sanitary can.
 Garbage can. Sanitary waste can.
 Liquid-dispensing can. Sifter-top can.
 Oil can. Tearing strip can.
 Paper can. Tobacco can.
 Can. L. Angval. 1,959,260; May 15.
 Can. E. F. Dival. 1,985,721; Dec. 25.
 Can. E. M. Nielsen. Des. 91,437; Jan. 30.
 Can. H. Sebell. 1,966,688; July 17.
 Can. W. E. Wright. 1,982,602; Nov. 27.
 Can. L. J. Yeomans. 1,963,770; June 19.
 Can and closure therefor. H. Schibsted. 1,977,090; Oct. 16.
 Can arranging machine. W. D. Kimball, C. I. Braren, and J. H. Mosley. 1,972,488; Sept. 4.
 Can-arranging machine. A. E. Rideout and J. H. Mosley. 1,972,489; Sept. 4.
 Can attachment. L. W. Rittenhouse. 1,965,356; July 3.
 Can bodies, Apparatus for forming smoothly rounded. F. Krueger. 1,985,039; Dec. 18.
 Can bodies, Apparatus for reforming. A. C. Patterson. 1,958,393; May 8.
 Can bodies, Apparatus for reforming. F. M. Yost. 1,962,166; June 12.
 Can bodies, Manufacturing. W. E. Burns. 1,973,740; Oct. 30.
 Can body preheater horn. W. E. Burns. 1,974,641; Sept. 25.
 Can body shaping machine. M. L. Dodge. 1,962,269; June 12.
 Can box, canister, and the like. J. F. Crowley. 1,947,382; Feb. 13.
 Can boxing machine. J. H. Stock and J. A. Miller. 1,985,218; Dec. 18.
 Can carrier rack. R. Cubicciotti. Des. 93,540; Oct. 9.
 Can closing apparatus. A. K. Malmquist. 1,955,757; Apr. 24.
 Can closing machine. J. S. Townsend. 1,962,625; June 12.
 Can construction. B. F. Goodwin. 1,957,639; May 8.
 Can containing evaporated milk or the like, Device for facilitating the use of a. V. Vaverek and J. Heline. 1,948,997; Feb. 27.
 Can cooling apparatus. B. C. Skinner. 1,964,276; June 26.
 Can cover. C. S. Reamy. 1,979,706; Nov. 6.
 Can cover and measuring dispenser, Combined milk. H. J. McLaughlin and J. C. Barreda. 1,965,045; July 3.
 Can covering machine. R. B. Stevens. 1,966,529; July 17.
 Can cutting device. J. Bech. 1,942,994; Jan. 9.
 Can end feed mechanism. J. H. Murch. 1,967,254; July 24.
 Can end stacking machine. W. E. Burns. 1,958,845; May 15.
 Can ends, Method of and apparatus for making. H. Sebell. 1,975,979; Oct. 9.
 Can filler, Milk. J. F. Malsbary. 1,950,682; Mar. 13.
 Can filling machine. O. H. Hansen. 1,956,024; Apr. 24.
 Can filling machine. W. O. Thatcher. 1,959,937; May 22.
 Can grader. A. R. Thompson. 1,949,767; Mar. 6.
 Can handling apparatus. A. R. Thompson. 1,948,435; Feb. 20.

- Can head and hermetically sealing filled cans. W. H. Brooks. 1,969,724; Aug. 14.
- Can head feeder for can body making machines. F. Krueger. 1,962,645; June 12.
- Can hook. W. A. Keith. 1,973,568; Sept. 11.
- Can opening and pouring attachment. Milk. F. Lofgren. 1,954,251; Apr. 10.
- Can opening and spout forming device. A. L. Kronquest. 1,985,865; Dec. 25.
- Can opening and spout forming device. J. H. Renshaw. 1,985,796; Dec. 25.
- Can opening device. A. P. Lymburner. 1,955,431; Apr. 17.
- Can or container. S. A. Bennett. 1,974,132; Sept. 18.
- Can packing device. H. L. Guenther. 1,972,841; Sept. 4.
- Can perforator and dispenser. R. D. Silveira. Des. 93,683; Oct. 23.
- Can puncturing device. F. Alleva. Des. 92,873; July 31.
- Can reconductor. C. Scruggs. 1,961,832; June 5.
- Can sealing machine. S. G. Gorsline. 1,953,597; Apr. 3.
- Can sealing machine, Portable. E. V. Swangren. 1,961,650; June 5.
- Can seamer mechanism. S. C. Scruggs. 1,975,022; Sept. 25.
- Can seamer, Oval. N. Troyer and P. E. Pearson. 1,961,994; June 5.
- Can seaming machine. J. Babelka. 1,951,719; Mar. 20.
- Can seaming machine. F. W. Burpee. 1,959,018; May 15.
- Can separating and feeding machine. G. J. Olney. 1,954,944; Apr. 17.
- Can testing machine. W. Dieter. 1,971,065; Aug. 21.
- Can transferring mechanism. F. D. Chapman. 1,959,123; May 15.
- Can utensil and opener. H. Baier. 1,963,222; June 19.
- Can vacuumizing and closing machine. N. Troyer and P. E. Pearson. 1,983,253; Dec. 4.
- Can vacuumizing and sealing machine. N. Troyer. 1,983,252; Dec. 4.
- Can washing apparatus. A. N. Eaton. 1,956,063; Apr. 24.
- Can weighing and sorting apparatus, Filled. W. H. Rennie. 1,958,173; May 8.
- Can with pouring spout. E. F. Dival. 1,966,887; July 17.
- Canning. A. K. Malmquist. 1,980,417; Nov. 13.
- Cans and like containers, Closing and sealing tin. A. I. Baggett. 1,960,861; May 29.
- Cans, Device for opening. R. E. Jones. 1,955,750; Apr. 24.
- Cans, Forming hermetically sealed metal. J. J. McLhinney. 1,962,280; June 12.
- Cans, Making leak-tight paper. A. H. Bedworth. 1,952,530; Mar. 27.
- Cans, Providing hermetically sealed friction top. J. M. Young. 1,953,093; Apr. 3.
- Canceling machine. E. Persson. 1,983,921; Dec. 11.
- Candelabra. S. W. Farber. Des. 91,557-60; Feb. 20.
- Candelabra or similar article. G. Sakier. Des. 91,686; Mar. 6.
- Candelabra or similar article. G. Sakier. Des. 91,688; Mar. 6.
- Candle. N. J. Baumer. 1,958,462; May 15.
- Candle. A. O. Jaeger. 1,959,164; May 15.
- Candle and holder, Combination. H. Mock. 1,962,748; June 12.
- Candle and making same. H. C. Will. 1,954,659; Apr. 10.
- Candle, Burnable coated. L. W. Geller. 1,967,879; July 24.
- Candle, Decorative. A. French and F. M. Rogers. 1,964,200; June 26.
- Candle, Dipped. R. A. Swenson. 1,968,269; July 31.
- Candle dipping apparatus. A. French. 1,965,891; July 10.
- Candle holder. R. Erling. Des. 92,796; July 17.
- Candle holder manufacture, Ornamental. P. E. Schrell. 1,974,056; Sept. 18.
- Candle light. R. L. Darling. 1,980,040; Nov. 6.
- Candlestick. L. Guild. Des. 91,821; Mar. 27.
- Candlestick. F. J. Liska. Des. 91,832; Mar. 27.
- Candlestick or article of analogous nature. D. G. MacDonald. Des. 91,783; Mar. 20.
- Candlestick or similar article. G. Sakier. Des. 91,687; Mar. 6.
- Candlestick set. J. C. Swobe. 1,975,522; Oct. 2.
- Candles and the product thereof, Molding of beeswax. L. W. Geller. 1,960,994; May 29.
- Candles, Production of. W. Pungs and M. Jahrstorfer. 1,950,813-14; Mar. 13.
- Candy. C. D. Reed. Des. 93,287; Sept. 11.
- Candy and holder therefor. G. J. Guyon. 1,971,560; Aug. 28.
- Candy cutting machine. D. M. Freeman and S. T. Lyon. 1,965,310; July 3.
- Candy display table. F. V. Brach. Des. 93,269; Sept. 11.
- Candy making machine. J. Shibelli. 1,956,180; Apr. 24.
- Candy making machinery. G. N. Kalkanis. 1,951,872; Mar. 20.
- Candy, Manufacturing. L. G., H. E., and E. R. James. 1,949,835; Mar. 6.
- Candy, Marzipan. W. Molzahn. Des. 93,839; Nov. 13.
- Candy product and process. R. W. Robinson and A. Oisen, Jr. 1,983,568; Dec. 11.
- Cane harvesting machine. R. S. Falkiner and W. G. Charley. 1,959,781; May 22.
- Cane harvesting machine. R. S. Falkiner and W. G. Charley. 1,975,089; Oct. 2.
- Cane, Method and apparatus for making glass. L. D. Soubier. 1,977,956; Oct. 23.
- Cane, Musical. P. Marinacci and S. Bonacci. 1,959,169; May 15.
- Cane seat. J. Silverman. 1,957,033; May 1.
- Cane, Torpedo firing. J. A. Mars. 1,955,338; Apr. 17.
- Canister. E. E. Engstrom. Des. 94,022; Dec. 11.
- Canister, bottle, jar, and like container, Vacuum-sealing of. E. Gore-Lloyd. 1,985,788; Dec. 25.
- Canister, Gas mask. G. K. E. H. Stampe. 1,963,874; June 19.
- Canister or container. C. S. Andrews. 1,960,237; May 29.
- Canister with hinged cover. A. G. Hopkins. 1,954,874; Apr. 17.
- Canister, Zinc dust. P. M. Ginder and G. F. Halfacre. 1,962,440; June 12.
- Cannery box handling apparatus. J. P. Bem. 1,965,094; July 3.
- Canning apparatus. W. M. Hicks. 1,963,132; June 19.
- Cannister coffee. G. R. Hillstrom. 1,974,988; Sept. 25.
- Cannon, Gas. E. S. Peake. 1,970,017; Aug. 14.
- Canoe, Collapsible. O. V. K. Hald. 1,971,037; Aug. 21.
- Canopy. W. H. Noble and C. Hollady. 1,962,457; June 12.
- Canopy sunshade. R. M. Stone. Des. 92,871; July 24.
- Canvas attaching means for folding chairs. H. L. Troxell. 1,959,603; May 22.
- Canvas belt slat protector. W. N. Woodruff. 1,945,843; Feb. 6.
- Canvas grain bag. E. A. Kinney. 1,953,962; Apr. 10.
- Caoutchouc-like material. R. Beyer. 1,983,730-2; Dec. 11.
- Caoutchouc-like material. R. Beyer. 1,984,246; Dec. 11.
- Caoutchouc, Vulcanization of. A. Skipsey. 1,979,499; Nov. 6.
- Cap. M. Constantine. Des. 91,923; Apr. 10.
- Cap. A. W. Dahlquist. Des. 92,706; July 10.
- Cap. W. J. Deegan. 1,984,521; Dec. 18.
- Cap. A. Goldstein. 1,957,206; May 1.
- Cap. A. R. Knox. 1,964,919; July 3.
- Cap. H. I. Tobin. Des. 92,936; July 31.
- Cap. A. Zay. 1,943,779; Jan. 16.
- Cap adaptable for sealing containers. A. F. Shaw. 1,965,713; July 10.
- Cap, Adjustable. E. F. Meyer. 1,947,480; Feb. 20.
- Cap and making the same. A. E. Collins. 1,974,203; Sept. 18.
- Cap and making the same, Easy open. J. M. Mothersall. 1,954,816; Apr. 17.
- Cap applier and remover. J. D. McIntyre. 1,954,422; Apr. 10.
- Cap applying machine. J. J. Gaynor. 1,958,476; May 15.
- Cap, Bathing. W. W. De Laney. 1,950,081; Mar. 6.
- Cap, Bathing. W. C. Pentz. Des. 92,367; May 29.
- Cap, Bathing. A. W. Senz. Des. 93,053; Aug. 14.
- Cap, Bathing. H. E. Wright. Des. 92,443; June 5.
- Cap, Captive. C. B. Knudsen. 1,942,214; Jan. 2.
- Cap closure for bottles. A. Kraft. 1,956,071; Apr. 24.
- Cap, Delay. J. Stuart, II. 1,964,390; June 26.
- Cap, Dispensing tube. J. A. Mitchell. 1,975,696; Oct. 2.
- Cap-embossing machine. J. E. Sharp and M. M. Kipfer. 1,963,103; June 19.
- Cap feeding apparatus. G. J. Meyer. 1,966,511; July 17.
- Cap feeding machine. A. Podel. 1,964,078; June 26.
- Cap feeding mechanism. C. Fields. 1,945,888; Feb. 6.
- Cap for bottles and the like, Hood. W. L. Wright. 1,985,650; Dec. 25.
- Cap for cap spinning machines. P. S. Wilcox. 1,969,441; Aug. 7.
- Cap for collapsible containers, Hinged locking. R. L. Bedle. 1,956,752; May 1.
- Cap for collapsible tubes, Vacuum cup. H. M. Warren. 1,984,610; Dec. 18.
- Cap for containers. W. S. Warmuth. 1,977,537; Oct. 16.
- Cap for containers and the like and making the same. F. Reutter. 1,974,251; Sept. 18.
- Cap for containers, Dispensing. E. F. Satz. 1,954,541; Apr. 10.
- Cap for dispensing containers. A. P. Gainer. 1,980,049; Nov. 6.
- Cap for paste tubes. W. T. Herrick. 1,945,638; Feb. 6.
- Cap for paste tubes and the like. T. L. Daniel. 1,944,968; Jan. 30.
- Cap for receptacles. J. A. Hey. 1,975,790; Oct. 9.
- Cap for tire valve tubes. J. E. Ross. 1,944,951; Jan. 30.
- Cap for valve stems, Captive. C. B. Knudsen. 1,966,506; July 17.
- Cap, Knitted. C. F. Schuessler. 1,978,766; Oct. 30.
- Cap, Lid type locking. K. E. Stant. 1,968,324; July 31.
- Cap locking device. E. E. White. 1,944,535; Jan. 23.
- Cap, Measuring dispensing. N. A. López. 1,972,152; Sept. 4.
- Cap, Metal screw. H. Hermani. 1,981,414; Nov. 20.
- Cap, Milk bottle. P. P. Gray and I. M. Stone. 1,973,758; Sept. 18.
- Cap, Milk bottle evacuating. R. C. Dusterberg. 1,944,636; Jan. 23.
- Cap mounting means. J. A. Gray. 1,972,481; Sept. 4.
- Cap, Paste tube. A. J. Strehs. 1,974,348; Sept. 18.
- Cap, Sugar bowl. F. H. Bitner. Des. 93,864; Nov. 20.
- Capacitance coupling. R. Higgins. 1,950,676; Mar. 13.
- Capacitor. W. M. Bailey. 1,943,712; Jan. 16.
- Capacitor and assembly. W. M. Bailey. 1,963,606; June 19.

- Capacitor Embedding. A. J. Walker. 1,963,568; June 19.
 Capacitor motor. C. L. Hamm. 1,974,989; Sept. 25.
 Capacity altimeter. O. E. Marvel. 1,965,147; July 3.
 Capacity condenser, Combination high and low. W. M. Bailey. 1,943,714; Jan. 16.
 Cape or similar article, Lace. R. Sutter. Des. 92,155; May 1.
 Cape, Waterproof. O. Eidinger. 1,974,237; Sept. 18.
 Capillary-active agent. W. J. Kaiser and A. Kirstahler. 1,969,612; Aug. 7.
 Capillary applicator rod. J. M. Wheaton. 1,985,703; Dec. 25.
 Capillary colloid mill. S. F. Acree. 1,980,589; Nov. 13.
 Capping apparatus. L. D. Titus. 1,982,085; Nov. 27.
 Capping head. G. J. Huntley and H. A. Rau. 1,956,218; Apr. 24.
 Capping machine. G. W. Booth. 1,956,208; Apr. 24.
 Capping machine. J. E. Sharp and M. M. Kipfer. 1,963,102; June 19.
 Capping machine. E. G. Wessman. 1,963,316; June 19.
 Capping machine for manual and mechanical driving. A. J. Jonsson. 1,979,110; Oct. 30.
 Capping machine for specimens. M. V. Nardiello. 1,984,691; Dec. 18.
 Caps for jars or other containers, Making. L. R. N. Carvalho. 1,974,981; Sept. 25.
 Caps, Making hub. E. W. Griffith. 1,944,658; Jan. 23.
 Caps to the openings of receptacles such as bottles, Method of and machine for applying. R. Landau. 1,981,111; Nov. 20.
 Capstan for wire drawing machines. R. C. Yousey. 1,973,596; Sept. 11.
 Capsule body, Expanding. A. T. West. 1,957,564; May 8.
 Capsule for stopping bottles and the like. R. Blanchard. 1,982,567; Nov. 27.
 Capsules, Method and apparatus for drying. W. Wilkie. 1,978,829; Oct. 30.
 Capsules, Method of and machine for making. R. P. Scherer. 1,970,396; Aug. 14.
 Car. W. L. Davis. 1,963,356; June 19.
 Car. C. E. Windecker. 1,980,895; Nov. 13.
 Car, Amusement. R. J. Lusse. 1,980,867; Nov. 13.
 Car and door mechanism therefor, Railroad freight. C. M. Woehle. 1,949,355; Mar. 6.
 Car and the like, Cane. H. D. Dravo. 1,964,777; July 3.
 Car and the like, Mine. A. H. Stow. 1,961,018; May 29.
 Car and the like, Monorail. H. Walter. 1,947,119; Feb. 13.
 Car and the like, Sidewise dumping mine. A. H. Stow. 1,961,019; May 29.
 Car and truck, Combination auto driven. A. W. Gustafson. 1,957,712; May 8.
 Car axle driving mechanism. C. W. Spohr. 1,978,511; Oct. 30.
 Car, Ballast. D. Hindahl. 1,977,308; Oct. 16.
 Car body made of sheet metal, Self-supporting. A. B. Henninger. 1,983,497; Dec. 4.
 Car body, Touring. C. S. Ash. Des. 91,259; Jan. 2.
 Car check locks and collectors, Mine. R. B. French. 1,944,552; Jan. 23.
 Car conditioning, Railway. S. M. Anderson. 1,957,431; May 8.
 Car conditioning system, Railroad. H. R. Arf and W. H. Carrier. 1,953,699; Apr. 3.
 Car construction. O. C. Duryea. 1,948,787; Feb. 27.
 Car construction. O. C. Duryea. 1,961,130; June 5.
 Car construction. O. C. Duryea. 1,974,017; Sept. 18.
 Car construction. E. B. Norbom. 1,979,761; Nov. 6.
 Car construction. S. Simonson. 1,963,215; June 19.
 Car construction. G. R. Treptow. 1,943,640; Jan. 16.
 Car construction. O. R. Wikander. 1,979,359; Nov. 6.
 Car construction, Dumping. J. Purcell and H. E. Muchnic. 1,958,549; May 15.
 Car construction, Hopper. W. A. Brewer. 1,977,468; Oct. 16.
 Car construction, Hopper. W. P. Murphy. 1,949,080; Feb. 27.
 Car, Convertible freight. J. Kobarynka and F. Tatarchuk. 1,975,955; Oct. 9.
 Car cooler. B. A. Waderlow. 1,946,994; Feb. 13.
 Car coupler. A. J. Bazeley. 1,945,362; Jan. 30.
 Car coupler. A. J. Bazeley. 1,956,609; May 1.
 Car coupler. A. J. Bazeley. 1,967,855; July 24.
 Car coupler. L. T. Granbery. 1,954,810; Apr. 17.
 Car coupler. W. F. Kiesel, Jr. 1,960,943; May 29.
 Car coupler. B. D. Lockwood. 1,969,936; Aug. 14.
 Car coupler. H. A. Macdonaghie. 1,985,379; Dec. 25.
 Car coupler. G. M. Murphy. 1,966,765; July 17.
 Car coupler. G. P. Ritter. 1,960,649; May 29.
 Car coupler. A. C. Schmoehl and J. P. Anderson. 1,969,948; Aug. 14.
 Car coupler. H. H. Service and E. E. Chapman. 1,954,578; Apr. 10.
 Car coupler. H. L. Spence. 1,964,224; June 26.
 Car coupler, Automatic. G. T. Johnson and G. M. Murphy. 1,962,563; June 12.
 Car coupler positioning device, Railway. G. G. Gilpin. 1,944,422; Jan. 23.
 Car coupling. J. G. Fredrickson. 1,953,676; Apr. 3.
 Car-door lock. W. A. Beauchamp. 1,950,837; Mar. 13.
 Car, Dump. W. L. Burner. 1,977,621; Oct. 23.
 Car, Dump. W. L. Burner. 1,977,819; Oct. 23.
 Car, Dump. R. E. Cartzadner. 1,960,574; May 29.
 Car, Dump. H. F. Flowers. Re19,206; June 12.
 Car, Dump. J. H. Slaker. 1,977,836; Oct. 23.
 Car, Dump. W. H. Yost. 1,941,774; Jan. 2.
 Car, Dump. W. H. Yost. 1,981,714; Nov. 20.
 Car dumper. A. F. Case. 1,949,602; Mar. 6.
 Car dumping apparatus. R. W. Kaltenbach. 1,967,246; July 24.
 Car dumping mechanism. J. P. Anderson and C. W. Miller. 1,959,976; May 22.
 Car, Flaw detector. H. C. Drake. 1,955,953; Apr. 24.
 Car for mines and the like. H. J. Hick. 1,950,175; Mar. 6.
 Car for transporting passenger carrying automobiles and similar vehicles or articles, Railway. E. K. Roscher and W. Kabmann. 1,963,525; July 3.
 Car, Freight. W. F. Kiesel, Jr. 1,962,717; June 12.
 Car, Funeral. S. Paul. 1,978,720; Oct. 30.
 Car handling apparatus. G. M. Johnson. 1,942,247; Jan. 2.
 Car heater. R. F. Mullen and T. L. Lee. 1,951,200; Mar. 13.
 Car heater. H. A. Schwager. 1,962,217; June 12.
 Car heater, Electric. R. J. Parsons. 1,976,367; Oct. 9.
 Car-heating and ventilating system. L. C. Hyatt. 1,947,716; Feb. 20.
 Car heating assembly. W. H. Mussey. 1,951,521; Mar. 20.
 Car heating system. L. P. Hynes. 1,953,679; Apr. 3.
 Car, Hopper. H. M. Pfleger and E. G. Hallquist. 1,985,380; Dec. 25.
 Car, Hopper. J. J. Tatum. 1,979,234; Oct. 30.
 Car, Hot metal. J. D. Pugh. 1,969,325; Aug. 7.
 Car lighting system. T. S. Watson. 1,979,513; Nov. 6.
 Car, Ladle. W. de Fries. 1,974,532; Sept. 25.
 Car loading apparatus, Mine. E. C. Morgan. 1,944,993; Jan. 30.
 Car loading device. S. D. Butterworth. Re19,337; Oct. 2.
 Car loading device. L. I. Friedlaender. 1,973,562; Sept. 11.
 Car, Mine. F. H. Gibbs. 1,956,792; May 1.
 Car, Mine. H. H. Pancake. 1,962,723; June 12.
 Car, Mine. O. Sann. 1,959,599; May 22.
 Car, Mine. A. H. Stow. 1,961,016; May 29.
 Car, Mine and other. A. H. Stow. 1,961,020; May 29.
 Car, Mine or other. A. H. Stow. 1,961,017; May 29.
 Car, Motor vehicle propelled railroad. W. W. Rabey. 1,973,267; Sept. 11.
 Car mover. J. H. Dodge. 1,985,317; Dec. 25.
 Car mover. F. J. Miller. 1,948,123; Feb. 20.
 Car operation, Express. W. R. Davis. 1,971,095; Aug. 21.
 Car or like vehicle, Motor. D. G. Mackenzie. 1,982,316; Nov. 27.
 Car, Poultry. F. X. Mudd. 1,963,713; June 19.
 Car puller. W. W. Sloane. 1,980,231; Nov. 13.
 Car, Rail. R. J. Burrows and A. O. Williams. 1,980,664; Nov. 13.
 Car, Railroad. H. W. Sanford. 1,972,831; Sept. 4.
 Car, Railway. M. P. Blomberg and W. H. Mussey. 1,946,520; Feb. 13.
 Car, Railway. N. B. Geddes. Des. 92,511; June 19.
 Car, Railway. G. G. Gilpin. 1,944,421; Jan. 23.
 Car, Railway. G. G. Gilpin. 1,971,179; Aug. 21.
 Car, Railway. G. G. Gilpin and A. E. Small. 1,950,001; Mar. 6.
 Car, Railway. C. Hankins. 1,953,014; Mar. 27.
 Car, Railway. C. Hankins. 1,975,573; Oct. 2.
 Car, Railway. E. R. Swanson. 1,956,302; Apr. 24.
 Car, Railway. W. E. Wine. 1,943,572; Jan. 16.
 Car, Railway. W. E. Wine. 1,963,453; June 19.
 Car, Railway. W. E. Wine. 1,968,511; July 31.
 Car refrigeration means. F. J. Day. 1,975,351; Oct. 2.
 Car, Refrigerator. T. A. Banning, Jr. 1,984,912; Dec. 18.
 Car, Refrigerator. W. F. Dietrichson. 1,977,472; Oct. 16.
 Car, Refrigerator. O. Luhr. 1,958,794; May 15.
 Car, Refrigerator. O. Luhr. 1,959,681; May 22.
 Car, Refrigerator. J. Lundvall. 1,943,979; Jan. 16.
 Car register, Automatic. N. E. Hume and G. L. Fry. 1,974,349; Oct. 23.
 Car retarder and system of control therefor, Magnetic. O. A. Ross. 1,984,320; Dec. 11.
 Car retarder for railroads. N. C. L. Brown. 1,942,802; Jan. 9.
 Car retarder, Railway. H. L. Bone and J. W. Livingston. 1,958,293-4; May 8.
 Car seat. A. B. Bell. 1,968,434; July 31.
 Car seat. A. E. Lehmann. 1,977,485; Oct. 16.
 Car, Steel frame refrigerator. D. L. Reynolds. 1,983,881; Dec. 11.
 Car structure, Railway hopper. F. H. Bender. 1,943,294; Jan. 16.
 Car support for automobile hoists. J. J. Mizer. 1,968,416; July 31.
 Car suspension. J. O. Almen. 1,948,482; Feb. 27.
 Car, Tank. C. H. Folmsbee. 1,980,674; Nov. 13.
 Car, Temperature controlled. C. W. Spohr. 1,975,875; Oct. 9.
 Car truck. W. C. Hedgcock. 1,985,288; Dec. 25.
 Car truck. M. H. Martin. 1,946,538; Feb. 13.
 Car truck. J. A. Shafer. 1,973,663-4; Sept. 11.
 Car truck. J. J. Tatum. 1,979,235; Oct. 30.
 Car truck bolster lock. J. W. Knipe. 1,978,637; Oct. 30.
 Car truck bolster, Railway. T. H. Symington. 1,985,469; Dec. 25.
 Car truck structure. E. G. Busse. Re19,221; June 26.
 Car wall, Railway. V. E. Sisson. 1,981,814; Nov. 20.
 Car washer. J. R. Blackball and H. Cordell. 1,968,986; Aug. 7.

- Car washing apparatus, Railway. O. E. Coffey. 1,951,129; Mar. 13.
- Car wheel. N. R. Brownier. 1,982,043; Nov. 27.
- Car wheel. J. D. Johnson. 1,977,514; Oct. 16.
- Car-wheel grinding machine. C. H. Norton and C. G. Flygare. 1,948,866; Feb. 27.
- Car wheel, Mine. A. L. Lee. 1,983,177; Dec. 4.
- Cars against theft. Device for protecting motor. R. Eichenauer. 1,956,438; Apr. 24.
- Cars and apparatus therefor. Inspecting railroad. M. W. Clement, R. L. Kleine, and J. W. Rowland. 1,977,170; Oct. 16.
- Cars and the like. Apparatus for loading tank. H. O. Parsons. 1,973,652; Sept. 11.
- Cars. Apparatus for handling and loading. B. Williams. 1,954,161; Apr. 10.
- Cars. Apparatus for precooling. W. C. Phillips. 1,965,802; July 10.
- Cars. Precooling railway passenger. E. D. Campbell. 1,956,790; May 1.
- Cars. Ventilating stock. I. V. Edgerton. 1,957,634; May 8.
- Carafe holder. R. Panza. Des. 91,786; Mar. 20.
- Carbamates of the alkali-forming metals. Production of. R. B. MacMullin and W. K. McCready. 1,983,041; Dec. 4.
- Carbamates. Production of. A. Mittasch and P. Chall. 1,948,002; Feb. 20.
- Carbazole from anthracene. Separation of. A. O. Jaeger. 1,978,580; Oct. 30.
- Carbide and water container. Combination. G. C. McIntyre. 1,976,622; Oct. 9.
- Carbide. Cemented. F. C. Kelley. 1,960,055; May 22.
- Carbide. Cemented columbium. F. C. Kelley. 1,947,206; Feb. 13.
- Carbide material. Cemented hard. G. J. Comstock. 1,973,428; Sept. 11.
- Carbide material. Hard cemented. G. J. Comstock. 1,981,719; Nov. 20.
- Carbide material. Hard cemented. G. J. Comstock. 1,982,857; Dec. 4.
- Carbohydrate material rich in hygroscopic substances. R. T. Northcutt and A. L. Johnston, Jr. 1,959,301; May 15.
- Carbon. Activated. G. J. L. Tielens. 1,951,538; Mar. 20.
- Carbon article and forming the same. Impervious. N. K. Chaney and E. F. Kiefer. 1,983,598; Dec. 11.
- Carbon article. Oxidation resisting. H. V. Johnson. 1,948,382; Feb. 20.
- Carbon assembling apparatus. F. L. Workman. 1,974,941; Sept. 25.
- Carbon bisulphide from gases. Removal of. C. J. Hansen and K. Eymann. 1,964,572; June 26.
- Carbon black. Apparatus for the production of. F. C. Reed. 1,980,827; Nov. 13.
- Carbon black. Making. W. W. Odell. 1,964,744; July 3.
- Carbon black. Manufacture of. E. Billings and H. H. Offutt. 1,957,314; May 1.
- Carbon black. Manufacture of. G. C. Lewis. 1,944,715; Jan. 23.
- Carbon contact. W. M. Austin. 1,972,284; Sept. 4.
- Carbon cutting device. B. King. 1,981,866; Nov. 27.
- Carbon dioxide. Apparatus for and method of making solid. C. L. Jones and W. H. Fitzpatrick. 1,979,556; Nov. 6.
- Carbon dioxide. Apparatus for liquefying solid. W. S. Haid and P. A. H. Terrell. 1,972,771; Sept. 4.
- Carbon dioxide. Apparatus for producing solid. A. Seligmann. 1,968,318; July 31.
- Carbon dioxide. Apparatus for storing and dispensing. A. W. Ruff. 1,970,058; Aug. 14.
- Carbon dioxide. Apparatus for the production of liquid and solid. G. Maiuri. 1,974,681; Sept. 25.
- Carbon dioxide. Apparatus for the production of solid. P. Stapp. 1,981,676; Nov. 20.
- Carbon dioxide converter. Solid. J. C. Goosmann. 1,943,820; Jan. 16.
- Carbon dioxide gas. Method and apparatus for supplying. C. L. Jones. 1,951,758; Mar. 20.
- Carbon dioxide gas. Purifying. F. J. Metzger and A. A. Backus. 1,982,223; Nov. 27.
- Carbon dioxide machine. Solid. J. C. Goosmann. 1,976,777; Oct. 16.
- Carbon dioxide. Manufacture of solid. R. L. Hasche. 1,971,106; Aug. 21.
- Carbon dioxide. Method and apparatus for producing low temperature high pressure liquid. F. R. Zumbro. 1,943,232; Jan. 9.
- Carbon dioxide. Method and apparatus of solidifying. T. Eichmann. 1,969,169; Aug. 7.
- Carbon dioxide. Preparing dry. R. T. Howes. 1,977,063; Oct. 16.
- Carbon dioxide. Process and apparatus for storing liquid. H. Rufener and T. Eichmann. 1,968,504; July 31.
- Carbon dioxide. Producing solid. J. S. Belt and H. P. Cady. 1,974,791; Sept. 25.
- Carbon dioxide. Producing solid. P. Stapp. 1,981,675; Nov. 20.
- Carbon dioxide product and making it. Solid. C. L. Jones and J. D. Small. 1,950,180; Mar. 6.
- Carbon dioxide. Production of solid. J. R. Chamberlain. 1,984,249-50; Dec. 11.
- Carbon dioxide. Production of solid. G. D. G. Cribb and W. H. Whitby. 1,969,703; Aug. 7.
- Carbon dioxide. Production of solid. R. C. Pierce. 1,949,179; Feb. 27.
- Carbon dioxide under pressure. Device for providing. J. Grison. 1,957,640; May 8.
- Carbon disulphide reaction products and making same. D. H. Powers. 1,975,588; Oct. 2.
- Carbon. Dry stencil. H. Topf. 1,971,629; Aug. 28.
- Carbon. Electric arc. L. E. Lemaigre. 1,952,810; Mar. 27.
- Carbon holder. C. A. Fuchs and F. Spaloss. 1,983,282; Dec. 4.
- Carbon holder. F. Spaloss. 1,959,008; May 15.
- Carbon monoxide. Apparatus for the determination of. G. Ljunggren. 1,977,002; Oct. 16.
- Carbon monoxide eliminator. J. C. Bartlett. 1,985,713; Dec. 25.
- Carbon papers. Manufacturing. A. Deplanche. 1,972,011; Aug. 28.
- Carbon. Producing graphitic. I. H. Derby. 1,975,259; Oct. 2.
- Carbonproof plug. H. Rabezzana. 1,973,881; Sept. 18.
- Carbon. Revivifying spent activated. R. G. Davis. 1,945,479; Jan. 30.
- Carbon ring packing for the shafts of turbines and the like. G. Huhn. 1,956,900; May 1.
- Carbon roll. Shifttable. L. J. Miller. 1,949,173; Feb. 27.
- Carbon scraper. W. Barber. 1,958,604; May 15.
- Carbonaceous bodies. Catalytic treatment of. L. von Szeszich. 1,982,556; Nov. 27.
- Carbonaceous material. Apparatus for distilling. J. N. Vandergrift and C. Postel. 1,976,816; Oct. 16.
- Carbonaceous material. Destructively distilling solid. L. C. Karrick. 1,958,918; May 15.
- Carbonaceous materials. Carbonizing. W. W. Odell. 1,983,943; Dec. 11.
- Carbonaceous materials. Destructive hydrogenation of. M. Pier and K. Wissel. 1,954,096; Apr. 10.
- Carbonaceous materials. Destructive hydrogenation of. L. von Szeszich. 1,946,341; Feb. 6.
- Carbonaceous materials. Destructive hydrogenation of. L. von Szeszich. 1,948,058; Feb. 20.
- Carbonaceous materials. Destructive hydrogenation of. L. von Szeszich. 1,950,333; Mar. 6.
- Carbonaceous materials from vessels. Removal of. L. C. Huff. 1,979,550; Nov. 6.
- Carbonaceous materials. Hydrogenation of. G. H. B. Davis. 1,960,204; May 22.
- Carbonaceous materials into useful hydrocarbon products. Conversion. M. Pier and W. Kroenig. 1,955,829; Apr. 24.
- Carbonaceous materials. Preheating. M. Pier. 1,955,014; Apr. 17.
- Carbonaceous product. Obtaining a finely divided. G. Antonoff and J. Freedland. 1,974,481; Sept. 25.
- Carbonates of sodium and ammonium. Double. R. B. MacMullin. 1,980,691; Nov. 13.
- Carbonating apparatus. F. Bohandy. 1,958,938; May 15.
- Carbonating apparatus. J. E. Treanor. 1,943,903; Jan. 16.
- Carbonating apparatus. R. W. Witteman. 1,967,799; July 24.
- Carbonator. J. R. Manley. 1,945,489; Jan. 30.
- Carbonator. Liquid. S. L. Williams. 1,984,617; Dec. 18.
- Carbonic acid gas produced by fermentation and other processes. Purification. L. Nathan. 1,968,899; Aug. 7.
- Carbonizable material. Carbonizing solid. I. H. Derby and H. R. Horner. 1,948,515; Feb. 27.
- Carbonizable materials. Apparatus for coking solid. A. Fisher. 1,972,929; Sept. 11.
- Carbonization apparatus. H. O. Loebell. 1,944,749; Jan. 23.
- Carbonization apparatus. Low-temperature. C. E. Leshner. 1,964,955; July 3.
- Carbonization apparatus. Low temperature. F. Sabel and H. Hanisch. 1,955,025; Apr. 17.
- Carbonization of coal. Low temperature. S. P. Miller. 1,969,472; Aug. 7.
- Carbonization process. H. O. Loebell and A. L. Klees. 1,948,472; Feb. 20.
- Carbonizer. R. J. Hillstrom. 1,983,801; Dec. 11.
- Carbonizing process and apparatus. O. F. Stafford. 1,957,364; May 1.
- Carbonyls. Production of metal. L. Schlecht and M. Neumann. 1,944,849; Jan. 23.
- Carbonyls. Production of metallic. O. G. Bennett. 1,975,076; Oct. 2.
- Carboy. M. Andersen. 1,951,005; Mar. 13.
- Carboy container. J. J. Bach and J. B. Flaws. 1,945,797; Feb. 6.
- Carboy container. P. A. Rossa. 1,981,812; Nov. 20.
- Carburation and means therefor. R. B. Smith. 1,951,812; Mar. 20.
- Carburation system. J. C. Stafford and C. I. Justheim. 1,970,713; Aug. 21.
- Carbureting apparatus. L. E. Perrine. 1,948,825; Feb. 27.
- Carbureting device. W. W. Jackman. 1,967,711; July 24.
- Carbureting means. C. W. Painter. 1,942,875; Jan. 9.
- Carbureting means. W. Wheeler. 1,971,288; Aug. 21.
- Carbureting process. E. Dickey. 1,958,381; May 8.
- Carbureting process. T. Nagel. 1,958,201; May 8.
- Carbureting process and apparatus. F. C. F. Portail. 1,941,487; Jan. 2.
- Carbureting system. A. E. Dobbs. 1,972,874; Sept. 11.
- Carburetion system. O. A. Ross. 1,961,249; June 5.
- Carburetion system. M. J. Zucrow. 1,985,271; Dec. 25.
- Carburetor. W. E. Armstrong. 1,974,733; Sept. 25.
- Carburetor. W. E. Armstrong. 1,982,945; Dec. 4.
- Carburetor. F. E. Aseltine. 1,976,912; Oct. 16.

- Carburetor. W. H. Aston. 1,953,384; Apr. 3.
 Carburetor. F. O. and T. M. Ball. 1,958,690; May 15.
 Carburetor. F. O. and T. M. Ball. 1,985,712; Dec. 25.
 Carburetor. E. V. Beals. 1,968,870; Aug. 7.
 Carburetor. B. Beard. 1,963,458; June 19.
 Carburetor. O. C. Berry. 1,944,397; Jan. 23.
 Carburetor. L. D. Boyce. 1,947,693; Feb. 20.
 Carburetor. R. F. Bracke. 1,942,199; Jan. 2.
 Carburetor. R. A. Brannigan. 1,972,374; Sept. 4.
 Carburetor. S. F. Briggs. 1,973,162; Sept. 11.
 Carburetor. G. F. Brut. 1,947,583; Feb. 20.
 Carburetor. M. Bucherer. 1,941,658; Jan. 2.
 Carburetor. E. P. Butusov. 1,947,518; Feb. 20.
 Carburetor. S. Campanella. 1,972,700; Sept. 4.
 Carburetor. W. C. Carter. 1,945,179-80; Jan. 30.
 Carburetor. M. E. Chandler and D. Cole. 1,957,631; May 8.
 Carburetor. E. F. Ciglia and L. F. Pelletier. 1,943,812; Jan. 16.
 Carburetor. D. Collins. 1,984,252; Dec. 11.
 Carburetor. J. S. Culp. 1,963,352; June 19.
 Carburetor. J. S. Culp. 1,969,638; Aug. 7.
 Carburetor. E. J. Dansreau. 1,944,547; Jan. 23.
 Carburetor. E. J. Dansreau. 1,961,413; June 5.
 Carburetor. O. G. J. S. de Roysancour. 1,948,700; Feb. 27.
 Carburetor. E. Dickey. 1,944,225; Jan. 23.
 Carburetor. W. A. Doble, jr. 1,973,751; Sept. 18.
 Carburetor. L. Dürr. 1,972,982; Sept. 11.
 Carburetor. H. H. Earle. 1,967,352; July 24.
 Carburetor. P. W. Ensign. 1,974,450; Sept. 25.
 Carburetor. G. R. Ericson. 1,967,708; July 24.
 Carburetor. W. M. Ewart. 1,961,747; June 5.
 Carburetor. D. Firth. 1,972,734; Sept. 4.
 Carburetor. J. R. Fish. 1,983,660; Dec. 11.
 Carburetor. O. C. Funderburk. 1,970,601; Aug. 21.
 Carburetor. O. C. Funderburk. 1,977,721; Oct. 23.
 Carburetor. W. B. Goodman. 1,945,189; Jan. 30.
 Carburetor. M. Goudard. 1,958,818; May 15.
 Carburetor. F. H. Heitzer. 1,941,862; Jan. 2.
 Carburetor. F. W. Hodges. 1,953,897; Apr. 3.
 Carburetor. Z. S. Hoffman. 1,945,609; Feb. 6.
 Carburetor. H. H. Huber. 1,946,284; Feb. 6.
 Carburetor. H. H. Huber. 1,960,109; May 22.
 Carburetor. H. Hueber and E. C. Horton. 1,982,581; Nov. 27.
 Carburetor. S. F. Hunt. 1,945,191-2; Jan. 30.
 Carburetor. L. W. Jenks. 1,979,834; Nov. 6.
 Carburetor. N. G. A. Gustafsson. 1,980,520; Nov. 13.
 Carburetor. R. E. Gould. 1,982,291; Nov. 27.
 Carburetor. H. A. Johnston. 1,945,316; Jan. 30.
 Carburetor. C. I. Justheim. 1,967,619; July 24.
 Carburetor. C. I. Justheim. 1,973,712; Sept. 18.
 Carburetor. F. A. Kane. 1,942,293; Jan. 2.
 Carburetor. F. A. Kane and A. R. Burnette. 1,965,144; July 3.
 Carburetor. G. L. Kennedy. 1,965,652; July 10.
 Carburetor. G. L. Kennedy. 1,966,449; July 17.
 Carburetor. G. L. Kennedy. 1,971,527; Aug. 28.
 Carburetor. G. L. Kennedy. 1,975,793; Oct. 9.
 Carburetor. A. H. King. 1,978,429; Oct. 30.
 Carburetor. C. H. Kirby. 1,958,542; May 15.
 Carburetor. L. le Breton. 1,971,293; Aug. 21.
 Carburetor. A. Lesage. 1,971,494; Aug. 28.
 Carburetor. H. W. Linkert. 1,972,743; Sept. 4.
 Carburetor. C. Lorenzen. 1,972,686; Sept. 4.
 Carburetor. R. E. MacKenzie. 1,943,082; Jan. 9.
 Carburetor. R. F. Mills. 1,961,775; June 5.
 Carburetor. F. C. Mock. 1,945,200; Jan. 30.
 Carburetor. F. C. Mock. 1,947,162; Feb. 13.
 Carburetor. F. C. Mock. 1,976,452; Oct. 9.
 Carburetor. F. C. Mock, C. J. Gustafson, and M. E. Chandler. 1,945,199; Jan. 30.
 Carburetor. O. B. and C. E. Monosmith. 1,974,266; Sept. 18.
 Carburetor. F. Nallinger. 1,973,353; Sept. 11.
 Carburetor. J. M. Piat. 1,975,432; Oct. 2.
 Carburetor. A. M. Prentiss. 1,984,382; Dec. 18.
 Carburetor. A. M. Prentiss. 1,947,919; Feb. 20.
 Carburetor. A. M. Prentiss. 1,950,266; Mar. 6.
 Carburetor. A. M. Prentiss. 1,954,536; Apr. 10.
 Carburetor. A. M. Prentiss. 1,964,172; June 26.
 Carburetor. A. M. Prentiss. 1,967,423; July 24.
 Carburetor. A. M. Prentiss. 1,974,585-6; Sept. 25.
 Carburetor. A. M. Prentiss. 1,981,969; Nov. 27.
 Carburetor. A. M. Prentiss. 1,985,425; Dec. 25.
 Carburetor. J. P. Roberts. 1,965,470; July 3.
 Carburetor. A. J. E. Roualet. 1,945,462-3; Jan. 30.
 Carburetor. E. H. Rustin. 1,984,287; Dec. 11.
 Carburetor. C. C. Sands. 1,948,135; Feb. 20.
 Carburetor. E. Schimaneck. 1,965,932; July 10.
 Carburetor. F. C. Schramm. 1,942,005; Jan. 2.
 Carburetor. A. M. Smiley. 1,952,614; Mar. 27.
 Carburetor. P. S. Tice. 1,961,651; June 5.
 Carburetor. H. P. Vaughan. 1,984,327; Dec. 11.
 Carburetor. J. Vogel. 1,944,309; Jan. 23.
 Carburetor. R. von Becker and J. Djordjevitch. 1,956,367; Apr. 24.
 Carburetor. R. von Becker and J. Djordjevitch. 1,963,159; June 19.
 Carburetor. G. A. Wahlmark. 1,979,918; Nov. 6.
 Carburetor. G. A. Wahlmark. 1,983,255; Dec. 4.
 Carburetor. W. H. Weber. 1,949,031; Feb. 27.
 Carburetor. W. H. Weber. 1,981,483; Nov. 20.
 Carburetor. A. H. and P. A. R. Weiertz. 1,973,362; Sept. 11.
 Carburetor. B. W. Westcott. 1,948,999; Feb. 27.
 Carburetor. D. M. White. 1,952,697; Mar. 27.
 Carburetor. R. D. White. 1,983,957; Dec. 11.
 Carburetor. S. W. Whitehurst. 1,977,661; Oct. 23.
 Carburetor. C. H. L. Wynne, E. W. Knott, and A. C. Miller. 1,978,660; Oct. 30.
 Carburetor air intake arrangement. L. A. Wilson. 1,983,723; Dec. 11.
 Carburetor and fuel converter. R. F. and P. W. Ensign. 1,948,702; Feb. 27.
 Carburetor attachment. M. Mallory. 1,956,992; May 1.
 Carburetor choke. Le R. Sawyer. 1,955,204; Apr. 17.
 Carburetor choke device, Thermostatic. K. N. Willmore, A. P. Carroll, and C. O. Stucker. 1,943,935; Jan. 16.
 Carburetor control for motor cars. A. W. and B. R. Barker. 1,960,482; May 29.
 Carburetor device. A. Hyma. 1,947,129; Feb. 13.
 Carburetor heater, Vacuum controlled. C. H. Kirby. 1,947,048; Feb. 13.
 Carburetor system. C. I. Justheim and J. C. Stafford. 1,973,715; Sept. 18.
 Carburetor throttle operating mechanism. F. D. Funston. 1,945,603; Feb. 6.
 Carburetor, Universal type. H. G. Ebert. 1,959,907; May 22.
 Carburiizing. P. C. Osterman. 1,974,541; Sept. 25.
 Card, Advertising display. H. Lewy. Des. 91,490; Feb. 13.
 Card, Advertising display. H. Lewy. Des. 93,564; Oct. 9.
 Card and holder, Display. H. B. Gallinger. 1,959,665; May 22.
 Card and support, Display. B. A. Einson. 1,947,521; Feb. 20.
 Cardboard box. H. L. Greve. 1,955,707; Apr. 17.
 Cardboard box. H. L. Greve. 1,981,836; Nov. 20.
 Cardboard box. J. H. Roberts. 1,963,677; June 19.
 Cardboard box. G. H. and A. G. Snyder. Re19,081; Feb. 13.
 Cardboard, fiber board or the like, Apparatus for bending or creasing. J. I. Nasmith. 1,941,484; Jan. 2.
 Cardboard or paper box. H. D. Senat. 1,960,925; May 29.
 Card case. W. J. Ecker, jr. 1,961,344; June 5.
 Card clothing and flat wire carding machine, Combination. E. V. Bates. 1,953,386; Apr. 3.
 Card clothing trimming machine. H. Midgley. 1,965,505; July 3.
 Card controlled machine, Record. M. Maul. 1,955,819; Apr. 24.
 Card, Counting and calculating. S. Badanes. 1,941,733; Jan. 2.
 Card cutting apparatus. P. Landrock. 1,977,000; Oct. 16.
 Card cutting machine. E. L. Bosworth. 1,954,237; Apr. 10.
 Card dealer. A. G. Bohling. 1,969,117; Aug. 7.
 Card dealing machine. A. G. Bohling. Des. 91,701; Mar. 13.
 Card, Display. C. Cahn. 1,975,446; Oct. 2.
 Card, Display. N. A. Davidson. 1,953,673; Apr. 3.
 Card, Display. E. A. Locke, jr. 1,973,641; Sept. 11.
 Card exhibiting device. R. D. Hughes and E. W. Vahle. 1,964,798; July 3.
 Card feeding device. L. Hammond. 1,964,914; July 3.
 Card feeding means. W. J. Hausman. 1,951,755; Mar. 20.
 Card filing device. J. B. Stafford, jr. 1,976,249; Oct. 9.
 Card filing system. R. A. Jonas. 1,959,677; May 22.
 Card, Foldable display. J. Horwath. 1,971,912; Aug. 28.
 Card for a chemistry card game. D. A. Forbes. Des. 91,996; Apr. 17.
 Card-game table top. C. M. Graves. Des. 92,899; July 31.
 Card, Greeting. F. Weindel, jr. 1,977,960; Oct. 23.
 Card, handling machine. C. D. Lake and P. Shores. 1,946,910; Feb. 13.
 Card holder. W. O. Beck. 1,949,447; Mar. 6.
 Card holder. B. L. Mishey. 1,966,019; July 10.
 Card holder. R. N. Patch. 1,984,594; Dec. 18.
 Card holder. M. Simon. 1,952,732; Mar. 27.
 Card holder, Illuminated. L. J. Buhr. 1,943,719; Jan. 16.
 Card holder, Playing. R. C. Ostrowski. Des. 93,419; Sept. 25.
 Card-holding device. G. A. Carlson. 1,965,305; July 3.
 Card holding device. M. M. Pollak. 1,967,780; July 24.
 Card holding device for use in visible card indexes. E. W. Taylor. 1,948,689; Feb. 27.
 Card or label holder. H. B. Doppel. 1,943,168; Jan. 9.
 Card or memorandum holder. J. Singer. 1,974,661; Sept. 25.
 Card or sheet feeding mechanism. J. M. Guenther. 1,979,153; Oct. 30.
 Card package. L. P. Clark. 1,982,640; Dec. 4.
 Card package and case, Business. R. O. H. Hill. 1,955,633; Apr. 17.
 Card pairing device. H. W. Bryce. 1,954,038; Apr. 10.
 Card perforating machine. J. W. Bryce. 1,950,476; Mar. 13.
 Card, picture, and sign exhibiting. J. B. Barnett. 1,970,215; Aug. 14.
 Card positioning means. A. E. Long. 1,967,675; July 24.
 Card printing machine, Library. G. Van Dusen. 1,963,812; June 19.
 Card punch. J. R. Peirce. 1,969,383; Aug. 7.

- Card punch feed mechanism. H. A. Weinlich and U. Kolm. 1,954,232; Apr. 10.
- Card punching device. F. L. Dunn. 1,976,606; Oct. 9.
- Card punching machine. F. M. Carroll. 1,976,600; Oct. 9.
- Card register with the cards arranged in echelons in horizontal direction. R. Bosse. 1,975,566; Oct. 2.
- Card reproducing machine. H. L. Read. 1,962,750; June 12.
- Card, Sample. S. E. Bender. 1,977,421; Oct. 16.
- Card setting machine. E. E. Fournier. 1,965,493; July 3.
- Card shuffling machine. C. Ruckman and H. R. Hawkinson. 1,984,702; Dec. 18.
- Card sorter. J. T. Kermode, D. A. Young, and H. P. Sparkes. 1,985,035; Dec. 18.
- Card sorting device. U. Kölm. 1,957,175; May 1.
- Card sorting machine, Perforated. A. C. Maby. 1,944,692; Jan. 23.
- Card stripping mechanism. E. Clark. 1,975,741; Oct. 2.
- Card table. A. E. Anderson. 1,970,876; Aug. 21.
- Card table. H. G. Veeder. 1,977,217; Oct. 16.
- Card table cover. S. J. Johnson. 1,970,173; Aug. 14.
- Card tabulating machine. C. A. Tripp. 1,978,919; Oct. 30.
- Card with transparent envelope, Duplex acknowledgement. R. H. Storer. 1,985,114; Dec. 18.
- Cards, Set of playing. J. Acosso and C. De Donato. Des. 92,225; May 15.
- Cards, Set of playing. M. Krantz and A. Green. Des. 93,413; Sept. 25.
- Cards, Shuffling. P. E. Matthaey. 1,955,926; Apr. 24.
- Cargo handling apparatus for aircraft and the like. M. Castro. 1,944,000; Jan. 16.
- Cargo net. G. Harris. 1,966,893; July 17.
- Carotene from green leafy plant materials, Recovering. H. N. Holmes and H. M. Leicester. 1,953,607; Apr. 3.
- Carotene pigment material, Preparing. H. M. Barnett. 1,975,981; Oct. 30.
- Carotene, Recovering. H. N. Holmes and H. M. Leicester. 1,967,121; July 17.
- Carpenter's divider. W. J. Des Roberts. 1,984,467; Dec. 18.
- Carpenter's tool. W. V. Henry. 1,977,878; Oct. 23.
- Carpet. F. S. Murphy. Des. 91,492; Feb. 13.
- Carpet, Inlaying. G. S. Hunt. 1,959,627; May 22.
- Carpet material. F. W. Clark. 1,947,152; Feb. 13.
- Carpet or rug, Finishing pile. R. G. Knowland and W. B. Cooper. 1,975,466; Oct. 2.
- Carriage, Baby. S. Drexler. Des. 93,817; Nov. 13.
- Carriage, Baby. N. J. Kroll. 1,980,210; Nov. 13.
- Carriage, Baby. N. J. and S. Kroll. 1,980,211; Nov. 13.
- Carriage, Baby. G. Stinson. 1,958,931; May 15.
- Carriage body, Transformable. R. Decoux. 1,966,540; July 17.
- Carriage, Child's. W. Bodge. 1,959,810; May 22.
- Carriage, Convertible. C. O. Smith and D. I. Sweany. 1,982,834; Dec. 4.
- Carriage, driving and hammer returning means. A. E. Oswald. 1,985,419; Dec. 25.
- Carriage feed mechanism. F. H. Trego. 1,965,677; July 10.
- Carriage for aircraft, Disappearing. H. C. A. Potez. 1,979,011; Oct. 30.
- Carriage for cake-cutting machines. J. B. Winfree, jr. 1,975,032; Sept. 25.
- Carriage mechanism, Reciprocating. A. T. Koppe. 1,952,173; Mar. 27.
- Carriage release mechanism for typewriting machines. F. H. Trego. 1,964,751; July 3.
- Carriage return mechanism, Power actuated. F. A. Hart. 1,978,997; Oct. 30.
- Carriage supporting means. J. M. Powell. 1,954,713; Apr. 10.
- Carrier: See—
- Article carrier. Handline carrier.
 - Baby carrier. Heater casing carrier.
 - Bottle carrier. Loop carrier.
 - Braider bobbins carrier. Luggage and trunk carrier.
 - Braider carrier. Luggage carrier.
 - Braiding carrier. Pack carrier.
 - Chair carrier. Parcel carrier.
 - Chaser carrier. Rack and tire carrier.
 - Contact carrier. Spare wheel carrier.
 - Crate carrier. Tire and wheel carrier.
 - Differential carrier. Tire carrier.
 - Drapery carrier. Tool carrier.
 - Foldable luggage carrier. Trolley pole carrier.
 - Gas mask carrier. Wheel and tire carrier.
 - Golf club carrier. Work carrier.
- Carrier. S. L. Breaux. Des. 93,759; Nov. 6.
- Carrier. G. P. Crutchfield. 1,945,305; Jan. 30.
- Carrier. C. S. Jennings and A. Koenig. 1,976,995; Oct. 16.
- Carrier. C. A. Morales. 1,963,333; June 19.
- Carrier. W. T. Oxley. 1,970,247; Aug. 14.
- Carrier and the like, Water. F. F. Fenwick, jr. 1,959,782; May 22.
- Carrier control, Automatic high frequency. S. C. Whitman. 1,982,558; Nov. 27.
- Carrier conveyer system. D. E. Chambers. 1,946,307; Feb. 6.
- Carrier conveyer system. D. E. Chambers. 1,983,342; Dec. 4.
- Carrier current signaling system. R. W. Chesnut. 1,983,537; Dec. 11.
- Carrier for braiding machines. M. Krissiep and H. Staub. 1,965,656; July 10.
- Carrier for braiding machines. M. Krissiep and H. Staub. 1,984,063; Dec. 11.
- Carrier for keys. C. R. Peirson. 1,974,160; Sept. 18.
- Carrier for motor vehicles, Luggage. J. D. Sideley. 1,946,335; Feb. 6.
- Carrier for shaker troughs. W. W. Sloane. 1,955,153; Apr. 17.
- Carrier for tractors, Spare wheel. F. E. Dayes. 1,965,735; July 10.
- Carrier for truck tanks, Hose. O. N. Gredell. 1,978,457; Oct. 30.
- Carrier handle. A. Anderson. 1,944,868; Jan. 30.
- Carrier-holder device. J. W. West. 1,960,934; May 29.
- Carrier line system. H. S. Black. 1,983,528; Dec. 11.
- Carrier or carton, Bottle. N. H. Buschman. 1,967,285; July 24.
- Carrier or carton, Bottle. C. D. Keith and J. F. O'Brien. 1,967,621; July 24.
- Carrier or similar articles, Pneumatic dispatch tube. J. T. Needham. Des. 92,151; May 1.
- Carrier or stretcher. L. W. Heffelfinger. 1,965,614; July 10.
- Carrier provided with a light sensitive substance and manufacturing the same. J. H. de Boer and C. J. Dippel. 1,970,496; Aug. 14.
- Carrier rod operating mechanism for flat knitting machines. K. R. Lieberknecht. 1,959,588; May 22.
- Carrier support for reciprocating conveyers. W. W. Sloane. 1,978,606; Oct. 30.
- Carrier system. J. M. Boyle. 1,972,258; Sept. 4.
- Carrier telegraph system. R. E. Smith. 1,985,430; Dec. 25.
- Carrier wave television system. A. Whitaker. 1,962,417; June 12.
- Carrying case. W. von der Heydt. 1,961,181; June 5.
- Carrying device. A. O. Engberg and F. Carlstedt. 1,979,027; Oct. 30.
- Carrying handle. F. Zessau. Des. 91,748; Mar. 13.
- Cart, Cocktail. F. Schmid. Des. 92,270; May 15.
- Cart, Dump. C. H. Sanders and W. G. Ransom. 1,973,107; Sept. 11.
- Cart, Folding tea. A. Wagner. 1,956,261; Apr. 24.
- Cart, Food. R. C. H. S., J. E., and L. S. Meanor. 1,962,454; June 12.
- Carton. J. Allan. 1,973,194; Sept. 11.
- Carton. F. M. Archer. 1,949,987; Mar. 6.
- Carton. A. E. Bueschel. 1,944,214; Jan. 23.
- Carton. F. R. Buhrmaster. 1,982,785; Dec. 4.
- Carton. M. Burger. 1,977,427; Oct. 16.
- Carton. D. L. Crane. 1,982,981; Dec. 4.
- Carton. A. O. Daller. 1,959,525; May 22.
- Carton. A. O. Daller. 1,975,831; Oct. 9.
- Carton. F. T. Denman. 1,951,274; Mar. 13.
- Carton. G. T. Gibson. Des. 91,459; Feb. 6.
- Carton. L. Kulpinski. 1,941,843; Jan. 2.
- Carton. E. H. Lewandowski. 1,963,626; June 19.
- Carton. M. E. Lowman. 1,965,503; July 3.
- Carton. E. Purdum. 1,951,204; Mar. 13.
- Carton. J. C. Sickle. Des. 92,563; June 19.
- Carton. H. M. Sinclair. 1,961,511; June 5.
- Carton. R. H. Spees. 1,983,010; Dec. 4.
- Carton. W. H. Vilas. 1,973,237; Sept. 11.
- Carton. G. E. Whalley. 1,949,986; Mar. 6.
- Carton. E. B. Whitehead. 1,976,973; Oct. 16.
- Carton. G. W. Wilde. Des. 92,139; May 1.
- Carton. V. Young. 1,941,775; Jan. 2.
- Carton and display stand, Combined. W. Palla. 1,955,252; Apr. 17.
- Carton and liner for same. H. L. Rammer. 1,973,930; Sept. 18.
- Carton and making same, Lined moisture-proof. E. G. Staude. 1,947,664; Feb. 20.
- Carton and sealing it. C. L. Keller. 1,962,660; June 12.
- Carton and sealing the same, Hermetically sealed. S. Bergstein. 1,980,180; Nov. 13.
- Carton blank folding and stapling machine. D. W. Coy. 1,979,253; Nov. 6.
- Carton, Box. A. G. Ardavanis and H. T. Curtis. 1,978,396; Oct. 30.
- Carton, Candles egg. C. S. Hassell. 1,961,293; June 5.
- Carton, Chewing gum. J. McCollum. Des. 91,586; Feb. 20.
- Carton, Chewing gum. J. McCollum. Des. 93,880; Nov. 20.
- Carton, Cigarette. C. W. Müller. 1,950,740; Mar. 13.
- Carton closing machine. E. G. Jurgens and H. K. Becker. 1,965,897; July 10.
- Carton, Collapsible cellular. M. Burger. 1,962,296; June 12.
- Carton construction. C. B. Klefeker. 1,975,106; Oct. 2.
- Carton, Crush resisting egg. C. H. Goodyear. 1,954,202; Apr. 10.
- Carton, Dispensing. A. F. Gluck. 1,972,069; Aug. 28.
- Carton, Dispensing. R. Guyer. 1,965,233; July 3.
- Carton, Dispensing. W. H. Jackson. 1,956,238; Apr. 24.
- Carton, Dispensing. L. Lewin. 1,961,055; May 29.
- Carton, Display. J. Srofe. 1,953,134; Apr. 3.
- Carton, Display. W. C. Wallbank. 1,974,552; Sept. 25.
- Carton, Divided. H. A. Hooker. 1,973,209; Sept. 11.
- Carton, Dual purpose. E. D. Fear. 1,963,299; June 19.
- Carton, Egg. L. Benoit. Re19,143; Apr. 24.
- Carton, Egg. P. Berkey. 1,953,099; Apr. 3.
- Carton, Egg. A. C. Bourque. 1,957,755; May 8.
- Carton, Egg. J. W. Cox. 1,953,748; Apr. 3.
- Carton, Egg. R. A. Gross. 1,972,707; Sept. 4.

- Carton, Egg. W. H. Inman and G. E. Weinman. 1,954,671; Apr. 10.
- Carton, Egg. J. E. Walsh. 1,948,322; Feb. 20.
- Carton filling machine. R. A. Jones. 1,956,531; Apr. 24.
- Carton filling machine. M. J. Milmo. 1,979,207; Oct. 30.
- Carton filling machine. C. H. Wild. 1,969,830; Aug. 14.
- Carton, Five panel lined. W. Reilly and T. Von Thein. 1,956,159; Apr. 24.
- Carton, Folding. A. Barron. 1,973,035; Sept. 11.
- Carton, Folding. T. C. Hazard and W. G. Anderson. 1,984,371; Dec. 18.
- Carton for eggs and the like. M. Kasser. 1,976,403; Oct. 9.
- Carton for fenders. D. Kratz. 1,956,687; May 1.
- Carton for packaged goods. J. J. Reinhold. 1,977,455; Oct. 16.
- Carton for packages of shoe laces, Dispensing. D. L. Mitchell. 1,965,904; July 10.
- Carton, Fruit shipping. W. F. Luce. 1,942,032; Jan. 2.
- Carton, Handle. J. A. Weaver. 1,984,611; Dec. 18.
- Carton holder. K. Kealy. Des. 93,660; Oct. 23.
- Carton, Leakproof. L. Kulpinski. 1,973,633; Sept. 11.
- Carton making machine. C. F. Richard. 1,954,428; Apr. 10.
- Carton making machine. C. F. Richard. 1,957,613; May 8.
- Carton, One-piece braced egg. C. H. Goodyear. 1,972,622; Sept. 4.
- Carton or similar article. L. R. Zimmerman. Des. 91,381; Jan. 16.
- Carton, Packing. F. W. Quackenboss. 1,985,549; Dec. 25.
- Carton, Portable. C. Field. 1,954,807; Apr. 17.
- Carton, Reclosable. A. J. Weiss. 1,985,590; Dec. 25.
- Carton, Separable cellular. J. E. Walsh. 1,942,910; Jan. 9.
- Carton, Two-piece cushion. F. Troyk. 1,964,305; June 26.
- Cartons and material therefor, Reenforcing and sealing. W. W. McLaurin. 1,953,183; Apr. 3.
- Cartons, Method and apparatus for making. T. Von Thien. 1,980,604; Nov. 13.
- Cartons, Method and mechanism for assembling. L. Benoit. E. J. Kanabay, A. E. Brown, and W. Vaughan. 1,970,550; Aug. 21.
- Cartons, Setting up. M. Burger. 1,981,988; Nov. 27.
- Cartridge and charge, Blasting. A. C. Scott. 1,957,733; May 8.
- Cartridge belt. S. Valkenburg. 1,968,725; July 31.
- Cartridge clip. H. H. Kempf. 1,971,526; Aug. 28.
- Cartridge fuse—knife blade type. J. B. Glowacki. 1,950,489; Mar. 13.
- Cartridge reloading. T. L. Bosler. 1,979,603; Nov. 6.
- Cartridge, Seed or embryo plant planting. R. B. Otwell. 1,959,139; May 15.
- Cartridge shell. L. A. Guignet. 1,974,270; Sept. 18.
- Cartridge, Shot gun tracer. H. E. Jackson and H. W. Brownson. 1,951,794; Mar. 20.
- Cartridge, Soil treating. G. van Yahres. 1,971,390; Aug. 28.
- Cascade of asynchronous dynamoelectric machines. W. Weiler. 1,964,548; June 26.
- Case: *See*—
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| Apron and toilet case. | Medical case. |
| Billfold case. | Novelty case. |
| Bottle case. | Packing case. |
| Brief and sample case. | Refrigerated display case. |
| Brief case. | Refrigerating display case. |
| Burial case. | Refrigerator case. |
| Carrying case. | Refrigerator display case. |
| Celery display case. | Sample case. |
| Cigarette case. | Shipping case. |
| Counter display case. | Show case. |
| Display case. | Spectacle and eyeglass case. |
| Eye-glass case. | Syringe case. |
| Fishing tackle case. | Tonsorial instrument case. |
| Flat-opening case. | Traveling case. |
| Folding pocket case. | Type case. |
| Hand luggage case. | Utility case. |
| Hypodermic case. | Vanity case. |
| Illuminated case. | Wardrobe case. |
| Illuminated display case. | Watch case. |
| Instrument case. | Waterproof case. |
| Key case. | Writing and stationery case. |
| Luggage carrier case. | Writing case. |
| Luggage case. | |
| Mascara case. | |
| Match case. | |
- Case and mounting therefor, Display. A. A. Rose. 1,948,049; Feb. 20.
- Case and tray, Combined display. L. M. Sawin. Des. 93,636; Oct. 16.
- Case fastening device, Shipping. W. George. 1,962,500; June 12.
- Case for a storage battery, Sprayed metal. J. L. Woodbridge. 1,983,507; Dec. 4.
- Case for an ophthalmic mounting. E. M. Splaine. Des. 93,249; Sept. 4.
- Case for automobile radios. E. C. Booth. Des. 91,386; Jan. 23.
- Case for blade heads of safety razors. L. H. Taylor, jr. 1,979,123; Oct. 30.
- Case for moving picture cameras or the like, Carrying. C. E. and M. E. McClay. Des. 92,725; July 10.
- Case for syringe outfits and the like, Cushion carrying. J. MacGregor. 1,980,141; Nov. 6.
- Case for timepiece. E. L. Carlson. 1,967,286; July 24.
- Case for toilet articles. A. L. Siegel and H. A. Jacobs. Des. 91,414; Jan. 23.
- Case for watches, instruments, and the like. F. Bosch. 1,957,157; May 1.
- Case hardening. J. J. Egan. 1,954,407; Apr. 10.
- Case hardening. E. A. Harding and D. A. Holt. 1,979,214; Oct. 30.
- Case hardening. D. A. Holt. 1,962,091; June 5.
- Case hardening. D. A. Holt. 1,984,411; Dec. 18.
- Case-hardening. A. B. Kinzel. 1,977,280; Oct. 16.
- Case hardening. E. C. Moffett. 1,957,973; May 8.
- Case-making machine. P. R. Glass. 1,950,550; Mar. 13.
- Case or carton. L. A. Nahm. 1,965,049; July 3.
- Case or carton. J. F. and L. A. Nahm. 1,977,888; Oct. 23.
- Case signaling mechanism for keyboard controlled telegraph apparatus. R. G. Griffith. 1,974,307; Sept. 18.
- Casement window screen. W. J. Baker. 1,968,924; Aug. 7.
- Caser, Pneumatic. G. L. Hurst. 1,976,128; Oct. 9.
- Cases by trucks, Device for handling stacks of. H. A. Townsend. 1,971,952; Aug. 28.
- Casing: *See*—
- | | |
|---------------------|-----------------|
| Anchor bolt casing. | Sausage casing. |
| Blower casing. | Signal casing. |
| Device casing. | Socket casing. |
| Instrument casing. | Well casing. |
| Microphone casing. | |
- Casing and preparing it, Artificial sausage. J. Voss and O. Würges. 1,978,774; Oct. 30.
- Casing and support, Combined. K. L. Henderson. 1,944,687; Jan. 23.
- Casing box for cheese to be cut. E. Galbani. 1,963,697; June 19.
- Casing cutter. A. E. Martois. 1,941,703; Jan. 2.
- Casing cutter. I. J. McCullough. 1,947,726; Feb. 20.
- Casing cutter and spear. F. M. Gilstrap and F. W. Baurmann. 1,960,337; May 29.
- Casing elevator construction. C. A. Lundeen. 1,966,452; July 17.
- Casing for a boiler. B. E. Shaw and E. V. Lavalle. Des. 92,271; May 15.
- Casing for a duplicating machine. E. Jacobsen. Des. 91,523; Feb. 20.
- Casing for a grinding mill. J. C. Kopf. Des. 92,615; June 26.
- Casing for a grinding mill. J. C. Kopf. Des. 93,171-2; Aug. 28.
- Casing for a keyboard for ticket issuing machines. H. L. Pierson. Des. 92,676; July 3.
- Casing for a portable electric drill. A. G. Decker. Des. 91,454; Feb. 6.
- Casing for a suction cleaner or similar article. H. Dreyfuss. Des. 94,076; Dec. 18.
- Casing for a telephone index or like article. N. Bel Geddes and W. Paxton. Des. 91,416; Jan. 30.
- Casing for a unipower agitator drive. R. L. Cawood. Des. 92,792; July 17.
- Casing for an autographic register. F. G. Diesbach. Des. 92,593; June 26.
- Casing for an electric toaster or the like. E. S. Preston. Des. 93,889; Nov. 20.
- Casing for an electrical water purifying unit of the ozone type for use with a bottle type water cooler. J. M. Daily. Des. 93,092; Aug. 21.
- Casing for card index. R. B. Meller. Des. 92,855; July 24.
- Casing for circular piston engines. F. Sieper. 1,982,027; Nov. 27.
- Casing for coal burning stokers. E. C. Sammons. Des. 91,502; Feb. 13.
- Casing for electrical induction apparatus. L. H. Burnham. 1,957,245; May 1.
- Casing for gas supplying apparatus. G. D. Peet. Des. 93,886; Nov. 20.
- Casing for heaters, Circular. L. E. Brackett. 1,945,966; Feb. 6.
- Casing for indicators such as thermometers, barometers, clocks, and the like. C. E. Steiner. Des. 92,500; June 12.
- Casing for liquid dispensing apparatus. W. H. De Lancey. Des. 92,164; May 8.
- Casing for motion picture cameras, Soundproof. C. E. McClay. 1,982,221; Nov. 27.
- Casing for oil burners. H. W. Miller. Des. 92,974; Aug. 7.
- Casing for water heaters and the like. H. W. A. Johnson and R. H. Moore. Des. 93,924; Nov. 27.
- Casing head. J. R. Mahan. 1,943,799; Jan. 16.
- Casing head and blow-out preventer, Combination. G. A. Humason and J. A. Logan. 1,944,240; Jan. 23.
- Casing head equipment. G. A. Humason and M. Manning. 1,983,938; Dec. 11.
- Casing head equipment for bore-holes or wells. L. M. C. Seamark. 1,981,431; Nov. 20.
- Casing head with blowout preventer. F. J. Hinderliter. Re19,047; Jan. 16.
- Casing machine. G. D. Harris. 1,982,990; Dec. 4.
- Casing or housing. O. C. Britsch. 1,955,901; Apr. 24.
- Casing perforator. J. H. Slocum and B. L. Welch. 1,945,958; Feb. 6.
- Casing plug. F. Stone. 1,971,514; Aug. 28.
- Casing support. G. Slowig. 1,954,269; Apr. 10.
- Casings, Apparatus for drilling well. C. H. Liedbeck. 1,962,961; June 12.

- Cash and check collecting receptacle. E. Marcoux. 1,948,862; Feb. 27.
- Cash fare box. F. P. Frankford. 1,976,550; Oct. 9.
- Cash franking machine. W. Friedrichs. 1,943,473; Jan. 16.
- Cash recorder, Portable nondefraudable. A. E. Ulfeng, E. Haugland, and O. Firing. 1,978,849; Oct. 30.
- Cash register. C. H. Arnold. 1,949,597; Mar. 6.
- Cash register. C. H. Arnold. 1,964,552; June 26.
- Cash register. T. E. D. Bilde and S. E. Lindvall. 1,945,589; Feb. 6.
- Cash register. S. Brand. 1,946,469; Feb. 13.
- Cash register. S. Brand. 1,963,733; June 19.
- Cash register. C. G. Falkner. 1,956,013; Apr. 24.
- Cash register. C. W. Green. 1,951,405; Mar. 20.
- Cash register. C. W. Green. 1,965,740; July 10.
- Cash register. C. W. Green. 1,978,937; Oct. 30.
- Cash register. H. F. B. Högfors. 1,979,387; Nov. 6.
- Cash register. H. Kaufmann. 1,965,192; July 3.
- Cash register. W. Kropff. 1,977,069; Oct. 16.
- Cash register. W. H. Robertson. 1,961,169; June 5.
- Cash register. H. B. Robertson. 1,978,914; Oct. 30.
- Cash register. H. F. Sadsbury. 1,957,671; May 8.
- Cash register. B. M. Shipley. 1,977,094; Oct. 16.
- Cash register. E. J. Von Pein. 1,946,602; Feb. 13.
- Cash register. E. J. Von Pein. 1,966,657; July 17.
- Cash register. E. J. Von Pein. 1,981,256; Nov. 20.
- Cash register. C. J. Werts. 1,974,699; Sept. 25.
- Cask, Metal. A. Müller. 1,956,512; Apr. 24.
- Casket. W. H. Blackford. Des. 93,603; Oct. 16.
- Casket. D. L. Gardner. Des. 92,896; July 31.
- Casket. H. S. Scholl and R. J. Donnelly. Des. 92,867; July 24.
- Casket. O. S. Strickland. Des. 91,505; Feb. 13.
- Casket and receiver therefor, Combination. P. J. Benbough. 1,956,849; May 1.
- Casket and receiver therefor, Combination. P. J. Benbough. 1,976,588; Oct. 9.
- Casket, Burial. J. R. Goggins. Des. 93,012; Aug. 14.
- Casket, Burial. H. P. Hansen. 1,977,584; Oct. 16.
- Casket, Burial. C. S. Starrick. 1,950,823; Mar. 13.
- Casket, Burial. J. A. Zeller. 1,958,504; May 15.
- Casket handle. R. A. McClelland. 1,954,485; Apr. 10.
- Casket lug and handle, Combined. J. E. Burkard. Des. 92,644; July 3.
- Casket lug and handle, Combined. Z. H. Jammé. Des. 92,964; Aug. 7.
- Casket protector. E. H. Scott. 1,974,666; Sept. 25.
- Casket rack. F. G. Brefeld. 1,966,751; July 17.
- Casket receiving device. H. J. Harder and H. R. Kotenberg. 1,963,267; June 19.
- Casserole, bowl or similar article. L. E. Hellmann. Des. 91,623; Feb. 27.
- Casserole with platter, Nestable. 1,978,175; Oct. 23.
- Cassette changer, Automatic. W. M. Lee. 1,977,770; Oct. 23.
- Cast anode. G. B. Hogaboom. 1,953,758; Apr. 3.
- Cast articles, Hardening. F. E. McCleary, K. C. Babo, and H. Rayner. 1,954,180; Apr. 10.
- Cast compact ceramic products, Making. V. Skola. 1,944,616; Jan. 23.
- Cast iron and making the same, High-strength. G. F. Comstock. 1,955,791; Apr. 24.
- Cast iron pipe. N. F. S. Russell and F. C. Langenberg. 1,971,385; Aug. 28.
- Cast iron pipe, Centrifugally cast. N. F. S. Russell and F. C. Langenberg. 1,954,892; Apr. 17.
- Cast plates, Apparatus for handling. W. F. and W. F. Eppensteiner. 1,960,002; May 22.
- Cast spider construction. P. M. Miller. 1,946,172; Feb. 6.
- Cast type. W. S. Yerger and L. S. Somers. 1,953,844; Apr. 3.
- Cast wheel. P. M. Miller. 1,964,129; June 26.
- Caster. C. W. Gannett. 1,979,378; Nov. 6.
- Caster. E. Harris. 1,981,728; Nov. 20.
- Caster attachment for sleds. C. A. Fox. 1,947,154; Feb. 13.
- Caster, Ball bearing. W. F. Herold. 1,969,557; Aug. 7.
- Caster, Double ball. E. A. Brokaw, W. H. Noelting, and P. H. Roettger. 1,949,448; Mar. 6.
- Caster for expandable shank, Swivel. C. E. Skelton. 1,953,636; Apr. 3.
- Caster, Furniture. R. O. Isola. 1,980,205; Nov. 13.
- Caster, Slide. T. P. Duncan, Jr. 1,949,957-8; Mar. 6.
- Casting. T. A. Miller and G. T. Williams. 1,956,907; May 1.
- Casting and molding machine, Electric. F. E. Bellows. 1,944,173; Jan. 23.
- Casting apparatus. C. W. Hazelett. 1,955,459; Apr. 17.
- Casting apparatus. R. E. Myers. 1,962,456; June 12.
- Casting, Apparatus for. J. Flammang, L. Bowser, and H. Ernst. 1,952,201; Mar. 27.
- Casting box for printing plates. R. J. Greenway. 1,954,447; Apr. 10.
- Casting by centrifugal force, Device for. J. Leuser. 1,949,021; Feb. 27.
- Casting, Centrifugal. L. H. Brown. 1,962,705; June 12.
- Casting, Centrifugal. F. G. Carrington. 1,959,334; May 22.
- Casting, Centrifugal. R. D. Pike. 1,944,461; Jan. 23.
- Casting composition. I. W. Humphrey. 1,961,931; June 5.
- Casting device, Centrifugal. R. D. Pike. 1,944,460; Jan. 23.
- Casting head equipment. L. M. C. Seamark. 1,942,366; Jan. 2.
- Casting, Machinable stainless. F. A. Fahrenwald. 1,984,636; Dec. 18.
- Casting machine. R. M. Kerr and H. A. Wolfe. 1,944,435; Jan. 23.
- Casting machine. L. H. Morin and D. Marinsky. 1,975,966; Oct. 9.
- Casting machine. W. G. Newton. 1,983,303; Dec. 4.
- Casting machine. W. J. Rudolph. 1,962,843; June 12.
- Casting machine. R. O. Watkins. 1,974,144; Sept. 18.
- Casting machine and method, Centrifugal. W. D. Moore and W. Morgan. 1,958,672; May 15.
- Casting machine and method of casting, Centrifugal. W. D. Sargent and W. A. Geisler. 1,978,765; Oct. 30.
- Casting machine, Centrifugal. L. A. Camerota. 1,944,168; Jan. 23.
- Casting machine, Centrifugal. D. J. Campbell. 1,963,400; June 19.
- Casting machine, Centrifugal. W. I. Carpenter. 1,976,654; Oct. 9.
- Casting machine, Centrifugal. W. A. Geisler. 1,983,075; Dec. 4.
- Casting machine, Centrifugal. W. A. Oubridge. 1,969,623; Aug. 7.
- Casting machine for casting hollow metal bodies, Centrifugal. C. D. Barr and S. D. Moxley. 1,983,431; Dec. 4.
- Casting machine for stereotype plates. F. A. Foster and C. H. Armstrong. 1,957,453; May 8.
- Casting, Malleable iron. R. C. Good. 1,984,474; Dec. 18.
- Casting massive structures. H. J. Hick. 1,983,757; Dec. 11.
- Casting massive structures, Apparatus for. H. J. Hick. 1,983,758; Dec. 11.
- Casting method. A. A. van Lantschoot. 1,961,721; June 5.
- Casting of different metals, Making a. A. W. Morris. 1,958,109; May 8.
- Casting or molding machine. P. Weis. 1,967,796; July 24.
- Casting ring. W. I. Carpenter. 1,976,655; Oct. 9.
- Casting under pressure, Device for. P. Haessler. 1,971,652; Aug. 28.
- Castings, Equipment for making. F. T. Spikerman and E. F. Oyster. 1,970,779; Aug. 21.
- Castings, Forming flanged. H. L. Steeb. 1,954,460; Apr. 10.
- Castings from flasks, Apparatus for freeing and removing hollow. C. D. Barr, S. D. Moxley, and J. L. Cooper. 1,960,366; May 29.
- Castings, Making abrasive metal. H. W. Mowery. 1,978,319; Oct. 23.
- Castings, Making lead alloy. E. Graff. 1,949,372; Feb. 27.
- Castings, Method of and apparatus for treating metal. W. D. Hodson and I. J. Simmons. 1,957,456; May 8.
- Castings, Production of metal. R. W. Bailey. 1,946,450-1; Feb. 6.
- Castings, Surface coating. J. W. Weitzenkorn. 1,981,403; Nov. 20.
- Castings, Treating cast iron. J. W. Ford. 1,980,578; Nov. 13.
- Castings, Treating silicon alloy. J. A. Parsons. 1,972,103; Sept. 4.
- Castor for powdered condiments. U. and A. Bieger. 1,965,919; July 10.
- Castor oil derivative drying oil and producing the same. J. Scheiber. 1,942,778; Jan. 9.
- Castor oil, Modified. W. M. Stanley. 1,955,348; Apr. 17.
- Catadioptric unit. C. W. Frederick. 1,966,792; July 17.
- Catalyst. H. Meerwein, F. Ulfers, R. Erbe, F. Aichner and W. Klaphake. 1,985,792; Dec. 25.
- Catalyst and making it, Oxidizing. J. M. Weiss. 1,971,168; Aug. 21.
- Catalyst and making the same. F. A. F. Crawford and W. A. P. Challenor. 1,952,057; Mar. 27.
- Catalyst for the nuclear chlorination of benzene compounds and using same. W. C. Stoesser and F. B. Smith. 1,946,040; Feb. 6.
- Catalyst for the production of nitric acid and the like. L. J. A. Marmier. 1,947,864; Feb. 20.
- Catalyst for use in the contact method of making sulphuric acid. L. G. Salazar. 1,971,465; Aug. 28.
- Catalyst, Producing a. N. E. Oglesby and H. V. Wright. 1,956,585; May 1.
- Catalysts, Activation of. F. J. De Rewal. 1,952,911; Mar. 27.
- Catalysts of increased activity, Preparing. R. N. Watts and W. E. Spicer. 1,948,408; Feb. 20.
- Catalysts, Preparation of. W. E. Vail. 1,959,313; May 15.
- Catalysts, Preparation of. J. C. Woodhouse. 1,959,189; May 15.
- Catalysts, Preparing. J. L. Koetz. 1,941,557; Jan. 2.
- Catalysts, Precoasting of hydrogen production. W. V. Hanks and G. H. Freyermuth. 1,943,821; Jan. 16.
- Catalysts, Production of. M. Pier and K. Winkler. 1,946,108-9; Feb. 6.
- Catalytic apparatus. W. J. Edmonds. 1,980,718; Nov. 13.
- Catalytic apparatus. A. O. Jaeger. 1,942,817; Jan. 9.
- Catalytic apparatus. A. O. Jaeger. 1,945,353; Jan. 30.
- Catalytic apparatus. A. O. Jaeger. 1,945,812; Feb. 6.
- Catalytic apparatus and process. K. F. Pietzsch. 1,961,164; June 5.
- Catalytic dehydrogenation process for producing esters. W. A. Lazier. 1,949,425; Mar. 6.
- Catalytic hydrogenation of hydrocarbon oil and the like. R. P. Russell and W. C. Asbury. 1,949,630; Mar. 6.

- Catalytic hydrogenation process. W. A. Lazier. 1,964,000; June 26.
- Catalytic masses, Producing. G. C. Connolly and J. A. Pierce. 1,985,343; Dec. 25.
- Catalytic oxidation of organic compounds. A. O. Jaeger. 1,941,688; Jan. 2.
- Catalytic oxidations, Carrying out. W. Wenzel. 1,977,978; Oct. 23.
- Catalytic process and preparing halogen butadienes. A. M. Collins. 1,950,435; Mar. 13.
- Catalytic process for manufacturing phthalic anhydride. A. Wohl. 1,971,888; Aug. 28.
- Catalytic process for polymerizing chloro-butadienes. H. W. Starkweather. 1,950,437; Mar. 13.
- Catalytic process for producing gas rich in hydrogen. G. H. B. Davis and J. A. Franceway. 1,948,338; Feb. 20.
- Catalytic process for the preparation of organic compounds. W. A. Lazier. 1,964,001; June 26.
- Catalytic process for the production of butanol. A. W. Larchar. 1,963,998; June 26.
- Catalytic production of hydrocyanic acid. L. Andrussov. and K. Huberich. 1,957,749; May 8.
- Catalytic reactions, Conducting. M. J. Brown. 1,943,580; Jan. 16.
- Catalytic reactions, Effecting. A. O. Jaeger. 1,972,937; Sept. 11.
- Catalytic treatment of organic and inorganic substances. W. T. R. Bindley. 1,979,187; Oct. 30.
- Catamenial appliance. E. E. Harrington. Re19,119; Mar. 27.
- Catamenial bandage. W. Medoff. 1,974,578; Sept. 25.
- Catamenial bandage. H. A. Secrist. 1,956,596; May 1.
- Catamenial bandage retainers. H. Raskin. 1,975,618; Oct. 2.
- Catamenial bandages, Method and apparatus for making. H. R. Williams. 1,973,737; Sept. 18.
- Catamenial device. E. C. Haas. 1,964,911; July 3.
- Catamenial pad and holder therefor. E. Burns. 1,967,859; July 24.
- Catamenial sack. E. J. De Ville. 1,967,226; July 24.
- Catapult for launching aeroplanes. E. Heinkel. 1,960,264; May 29.
- Catch and buffer, Combined door. W. A. P. Phipps. 1,941,576; Jan. 2.
- Catch basin header and throat. N. M. Wilke. 1,948,016; Feb. 20.
- Catch for pin stems, Safety. A. C. E. Waller. 1,959,802; May 22.
- Catch, Hood. R. G. Moore. 1,945,155-8; Jan. 30.
- Catch, Hood. R. G. Moore. 1,950,686-7; Mar. 13.
- Catch, Hood. R. G. Moore. 1,955,434-5; Apr. 17.
- Catch, Hood. R. G. Moore. 1,965,047; July 3.
- Catch, Hood. R. G. Moore. 1,967,587; July 24.
- Catch, Hood. R. G. Moore. 1,968,612; July 31.
- Catch, Hood. R. G. Moore. 1,974,621-3; Sept. 25.
- Catch, Hood. R. G. Moore and A. Claud-Mantie. 1,966,306; July 10.
- Catch, Safety. R. L. Wells. 1,980,124; Nov. 6.
- Catcher. W. A. Irvin and C. A. Bollinger. 1,972,343; Sept. 4.
- Cathed, Automatic. W. Hartley. 1,971,715; Aug. 28.
- Cathode. W. T. Millis. 1,966,211; July 10.
- Cathode and insulator assembly, Indirectly heated. H. L. Crowley. 1,974,448; Sept. 25.
- Cathode and manufacture, High efficiency oxide coated. E. F. Lowry. 1,968,608; July 31.
- Cathode and preparing the same. D. V. Edwards and E. K. Smith. 1,985,855; Dec. 25.
- Cathode control. P. F. Scofield. 1,979,352; Nov. 6.
- Cathode device. F. S. McCullough. 1,943,388; Jan. 16.
- Cathode discharge tube having a gaseous filling, Incandescent. J. G. W. Mulder and A. Kuntke. 1,963,059; June 12.
- Cathode for electric discharge devices. H. Simon. 1,951,216; Mar. 13.
- Cathode for electrical discharge devices. C. J. R. H. Von Wedel. 1,946,603; Feb. 13.
- Cathode glow lamp, Electric. H. Ewest. 1,984,469; Dec. 18.
- Cathode, Heater element electron emitting. W. L. Parrott. 1,972,162; Sept. 4.
- Cathode, Indirectly heated. G. Jobst. 1,941,692; Jan. 2.
- Cathode, Indirectly heated. S. Loewe and B. Wienecke. 1,983,621; Dec. 11.
- Cathode, Indirectly heated. T. M. Shrader. 1,975,870; Oct. 9.
- Cathode ray apparatus. W. R. Bullimore and L. H. Bedford. 1,973,606; Sept. 11.
- Cathode ray instrument for measuring electrical quantities. A. B. Du Mont. 1,960,333; May 29.
- Cathode ray oscillograph. H. W. Parker. 1,962,873; June 12.
- Cathode ray oscillograph. D. Prinz. 1,977,999; Oct. 23.
- Cathode ray oscillograph. W. Rogowski. 1,959,500; May 22.
- Cathode ray oscillograph. W. Rogowski and E. Flegler. 1,942,572; Jan. 9.
- Cathode ray oscillograph tube. L. H. Bedford and D. G. Coveney. 1,980,177; Nov. 13.
- Cathode ray scanning device. W. Ilberg. 1,976,400; Oct. 9.
- Cathode ray sound recording. W. D. Coolidge. 1,943,109; Jan. 9.
- Cathode ray tube. R. C. Clinker. 1,982,373; Nov. 27.
- Cathode ray tube. K. Engel. 1,954,666; Apr. 10.
- Cathode ray tube. H. Halberstadt. 1,964,117; June 26.
- Cathode ray tube. F. W. Hehlhans. 1,985,093; Dec. 18.
- Cathode ray tube. E. Lübeck. 1,979,392; Nov. 6.
- Cathode ray tube. T. Nakajima and K. Takayanagi. 1,981,322; Nov. 20.
- Cathode ray tube. H. W. Parker. 1,945,980; Feb. 6.
- Cathode ray tube mount. R. L. Campbell. 1,956,943; May 1.
- Cathode structure. W. S. Brian. 1,968,280; July 31.
- Cathode structure for mercury arc devices. D. C. Prince. 1,958,247; May 8.
- Cathode structure of electric discharge apparatus. K. Engel. 1,955,541; Apr. 17.
- Cathode, Thermionic. E. F. Lowry. 1,961,122; May 29.
- Cathode, Thermionic tube three-phase. R. Gürtler. 1,954,203; Apr. 10.
- Cathode tubes, Operating hot. H. Simon and W. Harries. 1,983,643; Dec. 11.
- Cathodes according to the metallic vapor process, Producing highly emissive. E. Waldschmidt. 1,949,094; Feb. 27.
- Cathodes, Coating for thermionic. J. McCullough. 1,977,318; Oct. 16.
- Cathodes, Manufacture of thermionic. A. Gehrts. 1,952,854; Mar. 27.
- Cathodes, Manufacturing high emissive. B. Wienecke. 1,943,945; Jan. 16.
- Caustic supply means for washing solutions. R. J. Wynne and P. H. Meyer. 1,970,788; Aug. 21.
- Ceiling. H. E. Shugart. 1,954,954; Apr. 17.
- Ceiling and wall construction. T. L. Pfueger. 1,962,648; June 12.
- Ceiling and wall, Illuminated. T. L. Pfueger. 1,956,773; May 1.
- Ceiling construction. F. M. Venzie. Des. 19,391; Dec. 4.
- Ceiling construction. J. E. Wilson. 1,967,071; July 17.
- Ceiling hanger. W. D. Barge. 1,982,565; Nov. 27.
- Ceiling plate, Self adjusting. A. G. Schille. 1,954,845; Apr. 17.
- Ceiling, wall, partition, and the like, Soundproof. W. J. Davy. 1,952,975; Mar. 27.
- Celery display case. R. De Haan. 1,961,137; June 5.
- Cell construction. E. J. McEachron, R. S. Johnson, H. G. Jensen, O. E. Ruhoff, G. H. Schroeder, and O. J. Krueger. 1,956,243; Apr. 24.
- Cell making machinery, Dry. O. K. Reinhardt. 1,965,130; July 3.
- Cell, Secondary. E. Almeida. 1,980,606; Nov. 13.
- Cell used in spinning cellulose acetate in the dry process. U. Mancini. 1,970,384; Aug. 14.
- Cellar box for driving journal bearings. C. C. Means. 1,979,215; Oct. 30.
- Cellar casing head flange. J. G. Bouslog. 1,963,046; June 12.
- Cellophane box. W. Medoff. 1,977,687; Oct. 23.
- Cellophane, winder and cutter. W. B. Bronander. 1,963,644; June 19.
- Cellular-ceramic process and apparatus. E. R. Powell. 1,963,031; June 12.
- Cellular material and manufacturing same. A. S. Dwight. 1,943,858; Jan. 16.
- Cellulose acetate composition. C. S. Webber and C. J. Staud. 1,957,868; May 8.
- Cellulose acetate composition containing a mixture of isomeric cresyl toluene sulphonates. E. R. Taylor. 1,957,861; May 8.
- Cellulose acetate compositions containing ethylene chloride and an amino plasticizer. C. J. Staud and L. M. Minsk. 1,957,857; May 8.
- Cellulose acetate plastics, Tempering. A. F. Caprio. 1,979,672; Nov. 6.
- Cellulose acetate, Reduction of viscosity of. V. B. Sease. 1,961,251; June 5.
- Cellulose acetates, Preparing. V. L. Bohnson. 1,966,579; July 17.
- Cellulose, Acetylating. E. C. Worden. 1,977,664; Oct. 23.
- Cellulose (alpha-cellulose) from raw cellulose of any origin, Producing practically pure. F. C. and F. Palazzo. 1,959,734; May 22.
- Cellulose and cellulosic material, Esterification of. R. E. Fothergill and F. C. Hahn. 1,945,310; Jan. 30.
- Cellulose and the like, Manufacture of. A. and L. Lemberger. 1,954,012; Apr. 10.
- Cellulose, Bleaching. F. R. Seavey, A. J. Phillips, and F. Olsen. 1,975,590; Oct. 2.
- Cellulose board. W. A. Darrah. 1,955,411; Apr. 17.
- Cellulose derivative articles and preparing the same. B. Andersen. 1,982,778; Dec. 4.
- Cellulose derivative composition. G. D. Graves and W. E. Lawson. 1,972,091-2; Sept. 4.
- Cellulose derivative composition. E. F. Izard. 1,943,972; Jan. 16.
- Cellulose derivative composition. E. F. Izard. 1,947,008; Feb. 13.
- Cellulose derivative composition and softener therefor. E. E. Reid and G. L. Schwartz. 1,984,284; Dec. 11.
- Cellulose derivative plastics, Molding. G. Schneider, A. E. Petersen, and M. R. Ximenez. 1,972,166; Sept. 4.
- Cellulose derivative surfaces and product thereof, Protecting. C. Dreyfus. 1,964,039; June 26.
- Cellulose derivatives and their manufacture. H. Dreyfus. 1,972,135; Sept. 4.
- Cellulose derivatives containing phosphorus, Manufacture of. C. J. Malm and C. E. Waring. 1,962,827-8; June 12.
- Cellulose derivatives, Manufacture of. D. B. Mason. 1,956,832; May 1.

- Cellulose derivatives, Molding. A. Eichengrün. 1,942,090; Jan. 2.
- Cellulose derivatives, Precipitation and treatment of. D. B. Mason. 1,948,625; Feb. 27.
- Cellulose derivatives, Production of low viscosity. C. J. Staud and T. F. Murray, jr. 1,946,645; Feb. 13.
- Cellulose derivatives, Treatment of. H. Dreyfus and W. I. Taylor. 1,955,793; Apr. 24.
- Cellulose derivatives, Treatment of. G. H. Ellis and R. Mann. 1,943,008; Jan. 9.
- Cellulose derivatives, Treatment of. G. H. Ellis, H. C. Olpin and E. W. Kirk. 1,944,413; Jan. 23.
- Cellulose digester. F. Krüger. 1,943,221; Jan. 9.
- Cellulose, Dissolving. N. U. Berchin. 1,970,270; Aug. 14.
- Cellulose ester products, Manufacture of. H. Dreyfus. 1,950,665; Mar. 13.
- Cellulose ester sheets, Compositing. A. B. Poschel. 1,968,095; July 31.
- Cellulose esters and corresponding alkyl esters, Production of. C. J. Malm. 1,984,147; Dec. 11.
- Cellulose esters, Apparatus for precipitation of. D. B. Mason. 1,949,214; Feb. 27.
- Cellulose esters dissolved in volatile solvents, Apparatus for spinning. U. Mancini. 1,962,605; June 12.
- Cellulose esters, Manufacture and treatment of. H. Dreyfus. 1,947,463; Feb. 20.
- Cellulose esters, Manufacture and treatment of. H. Dreyfus. 1,952,843; Mar. 27.
- Cellulose esters, Manufacture of. H. Dreyfus. 1,950,663; Mar. 13.
- Cellulose esters, Manufacture of mixed. C. J. Staud and C. S. Webber. 1,957,856; May 8.
- Cellulose esters, Manufacture of new. H. Gault and B. M. R. Angla. 1,969,882; Aug. 14.
- Cellulose esters, Precipitation of. D. B. Mason. 1,949,213; Feb. 27.
- Cellulose esters, Preparing. J. F. Haskins and F. Schulze. 1,967,405; July 24.
- Cellulose esters, Producing. H. L. Barthelemy. 1,943,507; Jan. 16.
- Cellulose esters, Saponification of. C. Dreyfus and W. Whitehead. 1,962,139; June 12.
- Cellulose esters, Treating. M. Marasco. 1,947,419; Feb. 13.
- Cellulose esters, Treatment of. G. H. Ellis. 1,943,377; Jan. 16.
- Cellulose esters, Treatment of. R. K. Eskew. 1,953,398; Apr. 3.
- Cellulose esters, Treatment of. R. K. Eskew. 1,968,882; Aug. 7.
- Cellulose ether and making same. D. Traill and A. S. Levesley. 1,943,461; Jan. 16.
- Cellulose ethers, Manufacture of. A. S. Levesley and F. C. Randall. 1,944,896; Jan. 30.
- Cellulose fiber, Mercerization and purification of. M. O. Schur and B. G. Hoos. 1,968,468; July 31.
- Cellulose fiber, Refined. G. A. Richter. 1,945,202; Jan. 30.
- Cellulose fiber strands, Manufacture of interfelted. M. O. Schur and B. G. Hoos. 1,955,587; Apr. 17.
- Cellulose for nitration, Formation of sheeted. M. O. Schur. 1,971,237; Aug. 21.
- Cellulose for viscose-making, Production of. G. A. Richter. 1,955,092; Apr. 17.
- Cellulose, Improving acyl. E. Correns and A. Möhring. 1,948,903; Feb. 27.
- Cellulose material, Apparatus for digesting. C. Dreyfus and G. Schneider. 1,980,390; Nov. 13.
- Cellulose material, Disintegrating. G. H. Carnahan. 1,959,902; May 22.
- Cellulose nitrate-acylate, Preparation of. C. J. Staud and J. T. Fuess. 1,984,093; Dec. 11.
- Cellulose nitrate compositions and solvent mixtures therefor. M. H. Morrison and E. H. Nollan. 1,962,151; June 12.
- Cellulose nitrate, Reduction of the viscosity of. R. K. Eskew. 1,946,067; Feb. 6.
- Cellulose nitrate, Stabilizing. M. J. Reid. 1,962,327; June 12.
- Cellulose, Nitrating. S. A. Pollock. 1,982,122; Nov. 27.
- Cellulose nitro-acetate soluble in acetone, Production of fibrous. H. L. Gray. 1,962,345; June 12.
- Cellulose nitro-acylate, Preparation of acetone-soluble. J. T. Fuess and C. J. Staud. 1,984,126; Dec. 11.
- Cellulose of high content of alpha cellulose, Producing a. A. Bayerl. 1,967,347; July 24.
- Cellulose organic ester composition comprising a phthalic acid ester of a monoether of hydroquinone. C. J. Staud and T. F. Murray, jr. 1,950,907; Mar. 13.
- Cellulose organic ester composition containing an ester of maleic acid. H. B. Smith. 1,969,482; Aug. 7.
- Cellulose organic ester composition containing an ester of trichloro tertiary-butyl alcohol. H. B. Smith. 1,946,643; Feb. 13.
- Cellulose organic ester composition containing derivatives of diethylene glycol. T. F. Murray, jr., and W. O. Kenyon. 1,946,635; Feb. 13.
- Cellulose organic ester composition containing dibutyl malate. H. B. Smith. 1,942,843; Jan. 9.
- Cellulose organic ester composition of matter containing an ester of dibromo succinic acid. H. B. Smith. 1,942,844; Jan. 9.
- Cellulose, Preparing. F. Olsen. 1,979,341; Nov. 6.
- Cellulose, Production of pulverized. M. O. Schur and B. G. Hoos. 1,964,772; July 3.
- Cellulose products, Manufacture of. G. A. Richter. 1,959,965; May 22.
- Cellulose products, Manufacturing flat-walled sheet-like. R. Weingand. 1,961,316; June 5.
- Cellulose pulp in sheet form and apparatus for carrying out the same, Making. D. B. Davies. 1,954,284; Apr. 10.
- Cellulose pulp, Method of and apparatus for hydrating. W. T. Doyle. 1,949,534; Mar. 6.
- Cellulose pulp, Refined. G. A. Richter. 1,949,549; Mar. 6.
- Cellulose, Refining. G. A. Richter. 1,953,191; Apr. 3.
- Cellulose solution. C. Graenacher. 1,943,176; Jan. 9.
- Cellulose solutions, Manufacture of. E. Scheller. 1,942,346; Jan. 2.
- Cellulose structures, Preparing regenerated. W. Schwalbe and O. Schnecko. 1,943,346; Jan. 16.
- Cellulose, Treating. G. Schneider. 1,955,836; Apr. 24.
- Cellulose, Treating. J. Voss. 1,961,268; June 5.
- Cellulose, Treatment of derivatives of. C. Dreyfus and G. Schneider. 1,948,517; Feb. 27.
- Cellulose unit. I. F. Lauck. 1,973,571; Sept. 11.
- Cellulosic composition. H. S. Mork. 1,979,986; Nov. 6.
- Cellulosic composition, Colored. A. O. Jaeger. 1,962,774; June 12.
- Cellulosic composition of matter containing cyclohexanone and ortho-cresyl para-toluene sulphonate. T. F. Murray, jr., and C. J. Staud. 1,954,326; Apr. 10.
- Cellulosic material, Preservation of vegetable. C. H. Siever. 1,983,248; Dec. 4.
- Cellulosic materials, Fireproofing. M. Leatherman. 1,961,108; May 29.
- Cellulosic materials, Treatment of. H. F. Oxley, W. H. Groombridge, and W. Challis. 1,964,646; June 26.
- Cellulosic products and making. G. A. Richter. 1,960,551; May 29.
- Cement. M. E. Delaney. 1,945,803; Feb. 6.
- Cement. F. D. Snell. 1,973,732; Sept. 18.
- Cement, Acid and waterproof. F. D. Snell. 1,973,731; Sept. 18.
- Cement, Adhesive. L. G. Copes. 1,964,380; June 26.
- Cement admixture. A. Beghelli. 1,944,820; Jan. 23.
- Cement and making the same, Gypsum. R. S. Edwards. 1,973,473; Sept. 11.
- Cement and similar substances, Apparatus for producing. K. E. Holzappel. 1,955,914; Apr. 24.
- Cement and the like, Apparatus for manufacturing. A. Andreas. 1,948,742; Feb. 27.
- Cement and the like, Manufacture of hydraulic. C. Pontoppidan. 1,977,405; Oct. 16.
- Cement, Asphaltic. W. C. Ferguson. Re19,381; Nov. 27.
- Cement clinker chamber or the like. H. S. Lee. 1,941,561; Jan. 2.
- Cement clinker cooling chamber or the like. H. S. Lee. 1,941,560; Jan. 2.
- Cement composition. L. Lasher. 1,945,149; Jan. 30.
- Cement dispensing device. W. Barnett. 1,953,209; Apr. 3.
- Cement-distributing machine. J. A. Campbell. 1,959,155; May 15.
- Cement, etc., Burning of. M. Vogel-Jorgensen. 1,981,235; Nov. 20.
- Cement for acid-proof brickwork. E. Lux. 1,983,498; Dec. 4.
- Cement, Grinding Portland. H. J. Dunton. 1,943,817; Jan. 16.
- Cement, Grinding Portland. H. M. Larmour and S. C. Pierce, jr. 1,976,133; Oct. 9.
- Cement head. J. J. Ferlin. 1,974,986; Sept. 25.
- Cement, Hydraulic. C. Pontoppidan. 1,966,419; July 10.
- Cement, Insulating. H. N. Clark. 1,959,658; May 22.
- Cement, Keene's. W. C. Hansen. 1,972,888; Feb. 11.
- Cement, Making. W. E. Snyder. 1,948,433; Sept. 20.
- Cement, Making colored. J. Finn, jr. 1,958,615; May 15.
- Cement manufacture. E. J. Maust. 1,963,588; June 19.
- Cement manufacture. E. J. Maust. 1,985,868; Dec. 25.
- Cement, Manufacture of hydraulic. K. Folke and H. Hansen. 1,953,121; Apr. 17.
- Cement, Manufacture of Portland. M. and V. K. Newcomer. 1,959,796; May 22.
- Cement manufacture, Portland. H. M. Larmour and S. C. Pierce, jr. 1,976,132; Oct. 9.
- Cement, Manufacturing a magnesia. R. Matsuura. 1,946,327; Feb. 6.
- Cement materials, etc., Nodulizing. J. S. Fasting. 1,980,130; Nov. 6.
- Cement mixer, Well. J. E. Pipes and R. E. Whiting. 1,969,533; Aug. 7.
- Cement mold. H. J. Siems. 1,981,203; Nov. 20.
- Cement paint preparation, Dry powder. W. P. D. Moross. 1,978,141; Oct. 23.
- Cement, Porous magnesia. L. C. Stewart. 1,965,538; July 3.
- Cement, Producing a uniformly colored. A. L. Asher and W. G. Meyer. 1,963,540; June 19.
- Cement product and making the same. H. R. Starke. 1,947,504; Feb. 20.
- Cement, Production of. E. J. Wechter. 1,957,415; May 1.
- Cement raw material, Heating. D. J. Uhle and M. E. Grunewald. 1,961,311; June 5.
- Cement, Refractory. G. F. Comstock. 1,952,119; Mar. 27.
- Cement slurry and the like, Apparatus for treating. A. Hasselbach. 1,957,138; May 1.
- Cement slurry, Burning. A. Busch. 1,954,401; Apr. 10.
- Cementation mixture for ferrous metals. A. Folliet and N. Sanderichin. 1,943,171; Jan. 9.

- Cementing agent for cellulosic plastics. J. F. Walsh and A. F. Caprio. 1,950,954; Mar. 13.
- Cementing apparatus. S. E. Manning. 1,944,442; Jan. 23.
- Cementing machine. A. S. Johnson. 1,943,322; Jan. 16.
- Cementing machine. I. L. Keith. 1,960,341; May 29.
- Cementing means. F. D. Kinney. 1,946,797; Feb. 13.
- Cementitious material applied to vegetable fabrics. Method of building with. J. H. de W. Waller. 1,955,716; Apr. 17.
- Cementitious material of the high alumina type. N. V. S. Knibbs. 1,966,864; July 17.
- Cementitious material, Producing. G. A. Hoggatt. 1,960,538; May 29.
- Cementitious materials, Manufacturing. A. J. Blank. 1,953,924; Apr. 10.
- Cementitious mixtures, Method of and apparatus for compacting and dewatering. G. M. Gordon. 1,945,145; Jan. 30.
- Center piece for a dining table or similar article. L. Guild. Des. 91,874; Apr. 3.
- Centering device for lens machinery. T. B. Drescher. 1,984,121; Dec. 11.
- Centrifugal. L. Altpeter. 1,944,391; Jan. 23.
- Centrifugal. J. Stuart, 2d. 1,950,869; Mar. 13.
- Centrifugal apparatus. A. and A. Peltzer, jr. 1,945,786; Feb. 6.
- Centrifugal apparatus such as fans, impellers, and the like. R. Dowson. 1,953,064; Apr. 3.
- Centrifugal clutch. J. Bethenod and H. Goudet. Re19,110; Mar. 13.
- Centrifugal clutch. A. C. Ward. 1,946,824; Feb. 13.
- Centrifugal clutch. E. E. Wemp. 1,975,185; Oct. 2.
- Centrifugal clutch. Constant-speed. C. R. Libby. 1,955,304; Apr. 17.
- Centrifugal device. W. A. Frantz and A. W. Seyfried. 1,983,661; Dec. 11.
- Centrifugal extractor. F. A. Conterman. 1,966,920-1; July 17.
- Centrifugal machine. A. O. Austin. 1,959,850; May 20.
- Centrifugal machine. L. J. Barrett and G. E. Garro. 1,958,123; May 8.
- Centrifugal machine. H. E. Elrod. 1,975,539; Oct. 2.
- Centrifugal machine. C. L. Heisler, jr. 1,970,377; Aug. 14.
- Centrifugal machine. L. D. Jones. 1,965,840; July 10.
- Centrifugal machine. L. D. Jones. 1,968,491; July 31.
- Centrifugal machine. F. E. Krauss. 1,968,692; July 31.
- Centrifugal machine. J. Moffatt. 1,960,950; May 29.
- Centrifugal machine. G. ter Meer. 1,968,181; July 31.
- Centrifugal machine, Continuously operating. H. Schulz. 1,979,909; Nov. 6.
- Centrifugal molding machine. J. F. Ne Page. 1,984,197; Dec. 11.
- Centrifugal ore separator. C. B. Sloan. 1,978,726; Oct. 30.
- Centrifugal pump. F. B. Allen. 1,967,182; July 17.
- Centrifugal pump. P. A. Bancel. 1,948,157; Feb. 20.
- Centrifugal pump. F. E. Brady, jr. 1,972,548; Sept. 4.
- Centrifugal pump. H. E. Broughton and W. F. Lamoreaux. 1,972,865; Sept. 11.
- Centrifugal pump. O. Jacobsen. 1,946,212; Feb. 6.
- Centrifugal pump. V. J. Milkowski. 1,958,108; May 8.
- Centrifugal pump bearing. E. W. Heller. 1,946,439; Feb. 6.
- Centrifugal separation. J. Bergé. 1,970,551; Aug. 21.
- Centrifugal separation, Apparatus for. J. Bergé. 1,970,552; Aug. 21.
- Centrifugal separation, Process and apparatus for continuous. D. W. Berlin. 1,952,788; Mar. 27.
- Centrifugal separator. A. W. Empson. 1,950,357; Mar. 6.
- Centrifugal separator. J. Klotz. 1,953,237; Apr. 3.
- Centrifugal separator. G. Knopp. 1,964,992; July 3.
- Centrifugal separator. H. O. Lindgren. 1,969,226; Aug. 7.
- Centrifugal separator. G. ter Meer. 1,943,098; Jan. 9.
- Centrifugal separator. G. ter Meer. 1,947,068; Feb. 13.
- Centrifugal separator. F. M. Tomlinson. 1,968,788; July 31.
- Centrifugal switch. Z. C. Bradford. 1,979,445; Nov. 6.
- Centrifugal switch. J. W. McNairy. 1,959,173; May 15.
- Centrifugalizer. L. C. Erickson. 1,949,647; Mar. 6.
- Centrifugally actuated clutch. H. S. Woodruff. 1,947,632; Feb. 20.
- Centrifuge. L. Altpeter. 1,962,048; June 5.
- Centrifuge, Full-speed. K. Egg. 1,950,297; Mar. 6.
- Ceramic articles, Apparatus for preparing. W. and M. Lengersdorff. 1,944,796; Jan. 23.
- Ceramic coated articles. W. J. Scott. 1,962,751; June 12.
- Ceramic composition and utilizing the same. Colorable. A. E. Baggs and E. Littlefield. 1,959,149; May 15.
- Ceramic composition, Making a fused amorphous. T. S. Curtis. 1,973,408; Sept. 11.
- Ceramic manufacture. J. I. Babl. 1,984,108; Dec. 11.
- Ceramic material and making the same. W. J. Scott. 1,977,698; Oct. 23.
- Ceramic material and making the same. Lightweight. F. R. Hobart. 1,944,007; Jan. 16.
- Ceramic material, Expansively burned. F. W. Rutterworth, I. N. Doughty, and I. R. Cline. 1,960,573; May 29.
- Ceramic material, Treating. J. R. Parsons. 1,954,889; Apr. 17.
- Ceramic materials, Coloring. G. H. Brown. 1,960,329; May 29.
- Ceramic materials, Coloring. A. Lampe. 1,954,936; Apr. 17.
- Ceramic process. T. G. McDougal. 1,955,821; Apr. 24.
- Ceramic product and the manufacture thereof. L. Kern. 1,967,311; July 24.
- Ceramic product and the manufacture thereof, Porous. F. E. Kern. 1,941,804; Jan. 2.
- Ceramic shapes, Method and apparatus for making. E. Lux. 1,944,989; Jan. 30.
- Ceramic ware, Decoration of. E. C. Guisinger. 1,951,868; Mar. 20.
- Cereal cutter. F. C. Ielfield. 1,973,169; Sept. 11.
- Cereal food. E. H. McKay. 1,945,946-7; Feb. 6.
- Cereals, Husking. A. Barra. 1,981,409; Nov. 20.
- Certificate holder. C. H. Kinkead. 1,976,261; Oct. 9.
- Certificate or like holder. A. O. Cobbs. 1,969,925; Aug. 14.
- Cervical tampon amplifier. A. Nelson. 1,969,671; Aug. 7.
- Cesspool cleaner. W. A. Bjorklund. 1,961,412; June 5.
- Cesspool, rain conductor and catch basin, Combination. D. Cohen. 1,960,806; May 29.
- Chain: See—
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| Antiskid chain. | Ladder chain. |
| Bead chain. | Magazine carrier chain. |
| Bracelet chain. | Nonskid chain. |
| Conveyer chain. | Power transmission chain. |
| Cutter chain. | Silent chain. |
| Drive chain. | Tire chain. |
| Emergency chain. | Truss chain. |
| Endless chain. | Wheel chain. |
| Interlocking silent chain. | |
- Chain. L. E. Baer. Des. 91,261; Jan. 2.
- Chain. W. F. Beasley. 1,959,337; May 22.
- Chain. G. Fisk. 1,971,553; Aug. 28.
- Chain. C. F. Kohn. Des. 92,406; June 5.
- Chain. W. H. Paulson. 1,956,298; Apr. 24.
- Chain. H. S. Pierce. 1,945,357; Jan. 30.
- Chain and applying and removing same, Antiskid. R. A. Lisella and M. Daderko. 1,975,325; Oct. 2.
- Chain and bit therefor, Cutter. T. E. Pray. 1,979,344; Nov. 6.
- Chain and flight, Conveyer. N. D. Levin. 1,973,818; Sept. 18.
- Chain and making the same, Sprocket. J. R. Gammeter. 1,958,139; May 8.
- Chain and process of manufacture. P. M. Hall. 1,948,349; Feb. 20.
- Chain and sprocket. C. Rorabeck. 1,963,249; June 19.
- Chain connector. J. R. Reyburn. 1,947,739; Feb. 20.
- Chain connecting and tightening device. H. Keller. 1,958,826; May 15.
- Chain cutter for machines for sewing looped fabrics. R. F. Ball. 1,956,485; Apr. 24.
- Chain drive and chain for use thereon. W. J. Belcher and R. F. Dow. 1,956,942; May 1.
- Chain drive, Direct. A. E. Rice. 1,957,614; May 8.
- Chain esters and compositions thereof, Long. T. F. Bradley. 1,951,593; Mar. 20.
- Chain for antiskid chains, Cross. J. R. Nargi. 1,953,495; Apr. 3.
- Chain for door closers and checks, Non-jamming. G. H. Anderson. 1,962,291; June 12.
- Chain for looms, Pattern. E. R. Holmes. 1,953,652; Apr. 3.
- Chain for the patrices of type line setting machines, Restoring conveyor. P. Marti. 1,970,049; Aug. 14.
- Chain for tractors, Traction. T. C. Leake. 1,952,174; Mar. 27.
- Chain forming machine. F. E. Stahl. 1,983,683; Dec. 11.
- Chain hoist, Differential. H. A. Delano and R. S. Kindt. 1,957,943; May 8.
- Chain hook and repair link, Tire. M. P. Marong. 1,974,873; Sept. 25.
- Chain link. C. G. Lutts and A. M. Leahy. 1,974,827; Sept. 25.
- Chain link. C. R. Weiss. 1,979,592; Nov. 6.
- Chain links, Forming a reinforcing swell on the inside of welded. F. E. Stahl. 1,971,512; Aug. 28.
- Chain-looping skeins of rubber thread and warps of rubber thread. A. Popper. 1,970,187; Aug. 14.
- Chain mail hand for articles of jewelry. E. Schofer. 1,962,037; June 5.
- Chain making machine. E. Mueller. 1,971,989; Aug. 28.
- Chain, Producing antiskid. P. M. Hall. 1,972,297; Sept. 4.
- Chain repair link. H. G. Hancock. 1,979,069; Oct. 30.
- Chain sandal. H. Stern. Des. 92,935; July 31.
- Chain severing mechanism for looping machines. W. J. Steere. 1,954,544; Apr. 10.
- Chain structures, Method of and apparatus for assembling. I. F. Lindberg and W. E. Yunker. 1,946,911; Feb. 13.
- Chains, Adjusting and tightening device for tire. J. R. Reyburn. 1,974,833; Sept. 25.
- Chains, Apparatus for lubricating. J. C. Chapman. 1,971,311; Aug. 21.
- Chains, Making tire. H. D. Weed. 1,945,359; Jan. 30.
- Chair: See—
- | | |
|--------------------|--------------------------------|
| Adjustable chair. | Convertible chair. |
| Baby chair. | Deck chair. |
| Barber's chair. | Extensible chair. |
| Bathroom chair. | Foldable and extensible chair. |
| Beach chair. | Foldable chair. |
| Berth chair. | Folding chair. |
| Child's chair. | Folding lawn chair. |
| Collapsible chair. | High chair. |
| Combination chair. | Infant's chair. |
| Commode chair. | |

- Chair: See—
 Invalid chair. Rocking chair.
 Invalid's wheel chair. Swinging chair.
 Mechanical chair. Table chair.
 Rail chair. Theater chair.
 Reclining chair. Yachting chair.
 Road chair.
 Rocking and reclining chair.
- Chair. C. Di Bella. 1,980,748; Nov. 13.
 Chair. H. E. Bennett. 1,981,579; Nov. 20.
 Chair. I. R. Bromagem. 1,948,200; Feb. 20.
 Chair. J. M. Brower. Des. 93,967; Dec. 4.
 Chair. R. B. Brown. 1,974,948; Sept. 25.
 Chair. J. L. Cable. 1,950,226; Mar. 6.
 Chair. G. J. Daly. Des. 93,384; Sept. 25.
 Chair. H. Dujardin. 1,948,341; Feb. 20.
 Chair. H. Dujardin. 1,984,786; Dec. 18.
 Chair. G. Gibb. 1,977,550; Oct. 16.
 Chair. H. T. Hallowell, F. Bennett, and R. L. Morse. 1,966,343; July 10.
 Chair. E. C. Harter. 1,973,627; Sept. 11.
 Chair. L. Larsen. Des. 91,667; Mar. 6.
 Chair. L. Larsen. 1,979,073; Oct. 30.
 Chair. V. Leibo. 1,943,081; Jan. 9.
 Chair. D. McDonald. Des. 93,416; Sept. 25.
 Chair. U. B. McMurtry. 1,979,278; Nov. 6.
 Chair. H. Melder. 1,960,022; May 22.
 Chair. J. H. Pilates. 1,969,901; Aug. 14.
 Chair. W. H. Poggenдорff. 1,984,281; Dec. 11.
 Chair. W. D. Rich. 1,961,392; June 5.
 Chair. M. Richtsteig. 1,962,464; June 12.
 Chair. D. P. Rowland. 1,984,549; Dec. 18.
 Chair. A. R. Schwarzkopf and H. A. Bern. 1,951,375; Mar. 20.
 Chair. L. F. Scott. 1,955,687; Apr. 17.
 Chair. C. F. Streit. 1,973,916; Sept. 18.
 Chair. J. A. Summerlee and D. P. Rowland. 1,977,702; Oct. 23.
 Chair. E. T. Todd and N. S. Houston. 1,959,696; May 22.
 Chair and bed, Combination. A. Palmieri. 1,951,805; Mar. 20.
 Chair and carrier unit, Combined. F. Riddell. 1,970,707; Aug. 21.
 Chair and easel, Combination adjustable. J. Anduaga. 1,951,960; Mar. 20.
 Chair and foot rest therefor. W. R. Malcolm. 1,947,212; Feb. 13.
 Chair and high chair, Combination. G. Agatl. 1,946,826; Feb. 13.
 Chair and leg rest, Rocking. J. G. Batt. 1,952,963; Mar. 27.
 Chair and pencil rod anchor, Ready spaced bar. G. S. Nelson. 1,955,387; Apr. 17.
 Chair and stepladder, Combination. W. S. Sommer. 1,945,445; Jan. 30.
 Chair and stretcher. C. E. Hall. 1,975,689; Oct. 2.
 Chair and table, Combination folding. W. C. Rastetter. 1,984,699; Dec. 18.
 Chair attachment, Barber. W. A. Lyle. 1,958,795; May 15.
 Chair back. J. S. Opperman. Des. 93,885; Nov. 20.
 Chair carrier, Adjustable. B. H. Deacon. 1,961,818; June 5.
 Chair construction. M. J. Wilke. 1,985,131; Dec. 18.
 Chair construction, Folding. H. O. Klee. 1,953,351; Apr. 3.
 Chair device. L. X. Herman. 1,951,793; Mar. 20.
 Chair, etc., Adjustable-back. C. A. Van Derveer and E. Beck. 1,967,000; July 17.
 Chair foot. J. E. Bales. 1,961,839; June 5.
 Chair for reinforcing bars, Supporting. R. T. Torkelson. 1,954,301; Apr. 10.
 Chair for water closet bowls, Carrier. J. Heinkel. 1,946,140; Feb. 6.
 Chair frame. P. E. G. Ericson. Des. 93,712; Oct. 30.
 Chair, ironing board, and stepladder, Combination. D. H. King. 1,982,111; Nov. 27.
 Chair member, Composite. U. K. Johannsen. 1,975,062; Sept. 25.
 Chair or divan, Extensible. H. W. Knapp. 1,964,918; July 3.
 Chair or similar article, Metal. C. F. Rauch. Des. 93,794; Nov. 6.
 Chair or the like, Barber. M. Pelavin. 1,980,291; Nov. 13.
 Chair seat. W. C. Lucas. Des. 94,089; Dec. 18.
 Chair seat. E. B. Morgan. 1,979,563; Nov. 6.
 Chair seat. H. F. Ollis. 1,961,641; June 5.
 Chair seat. G. D. Schermerhorn. 1,975,622; Oct. 2.
 Chair seat. C. W. White. 1,971,471; Aug. 28.
 Chair seat stop for exercising. R. N. Burnett. 1,964,193; June 26.
 Chair, Vehicle. E. M. Knabusch and E. J. Shoemaker. 1,941,901; Jan. 2.
 Chamber coil connection. T. E. Stockdale and G. M. Keranen. 1,946,118; Feb. 6.
 Chamfering machine. C. M. E. Wendnagel. 1,983,719; Dec. 11.
 Chamfering mechanism. M. H. Hill. 1,975,151; Oct. 2.
 Change-over apparatus. A. H. Walker. 1,973,588; Sept. 11.
 Change-over apparatus for motion picture projectors, Automatic. W. F. Kemp and P. Shearer. 1,960,817; May 29.
 Changeover control, Automatic. J. F. Cory. 1,943,950; Jan. 16.
 Changeover mechanism for motion picture machines. I. H. Crabtree. 1,980,167; Nov. 13.
 Change-over system. A. Mutscheller. 1,961,705; June 5.
 Change-over system for hydraulic apparatus, Automatic. R. C. Lamond. 1,955,922; Apr. 24.
 Change-over valve, Automatic. R. G. Miner, jr. 1,962,027; June 5.
 Change-speed device. R. C. Berry. 1,969,683; Aug. 7.
 Change-speed gear. A. Forster. 1,950,844; Mar. 13.
 Change speed gear. T. Kummich. 1,968,527; July 31.
 Change speed gear. A. Maier. 1,971,045; Aug. 21.
 Change speed gear. K. Maybach. 1,949,168; Feb. 27.
 Change speed gear. L. and H. Quevrain. 1,943,396; Jan. 16.
 Change speed gear. A. G. von Soden-Fraunhöfen. 1,983,955; Dec. 11.
 Change-speed gear, Differential. A. Tscherne. 1,963,599; June 19.
 Change speed mechanism. W. R. Griswold. 1,954,126; Apr. 10.
 Change speed system. J. W. Hale. 1,980,797-8; Nov. 13.
 Changeable exhibitor. C. F. Higgins. 1,965,118; July 31.
 Changeable exhibitor. C. F. Malmberg. 1,971,455; Aug. 28.
 Changeable exhibitor. M. S. Quinte. 1,980,548; Nov. 13.
 Changeable key lock. E. A. Schachinger. 1,967,042; July 17.
 Changeable number sign. M. Schoening. 1,967,453; July 24.
 Channel. J. S. Reid. 1,951,670; Mar. 20.
 Channel. J. S. Reid. 1,967,514; July 24.
 Channel bending machine. D. C. Bailey. 1,968,010; July 31.
 Channel closing and edge compacting machine. E. I. La Chapelle. 1,966,727; July 17.
 Channel construction for the tops of tanks of vessels. W. G. Bartenfeld. 1,944,915; Jan. 30.
 Channel repeater for telegraph systems. H. H. Haglund. 1,967,175; July 17.
 Channel-shaped articles, Method and machine for forming. H. F. Johnson. 1,984,020; Dec. 11.
 Channel structure. J. S. Reid. 1,978,326; Oct. 23.
 Channel transmission control, Multiple. A. M. Nicolson. 1,956,397; Apr. 24.
 Channeled strips, Method of and apparatus for forming. A. H. Brunner and H. H. Tice. 1,970,029; Aug. 14.
 Channeler attachment to road grading machines. W. L. Spoon. 1,944,307; Jan. 23.
 Chaplets and the like, Forming. C. G. Raible. 1,945,358; Jan. 30.
 Character of radium luminous material or the like, Method and apparatus for forming a raised. R. L. Page. 1,966,515; July 17.
 Characters, Apparatus for cryptographically transposing. R. R. Morris. 1,953,829; Apr. 3.
 Characters, Producing. V. L. Pistocco. 1,951,947; Mar. 20.
 Charcoal briquette. G. F. Heffernan, jr., and H. L. Dahm. 1,959,472; May 22.
 Charge forming device. F. E. Aseltine. 1,943,909; Jan. 16.
 Charge forming device. F. E. Aseltine. 1,946,608; Feb. 13.
 Charge forming device. F. E. Aseltine. 1,966,329; July 10.
 Charge forming device. F. E. Aseltine. 1,978,664; Oct. 30.
 Charge forming device. W. S. Falconer. 1,983,357; Dec. 4.
 Charge forming device. F. D. Funston and O. C. Berry. 1,960,993; May 29.
 Charge forming device. C. V. Morton. 1,970,020; Aug. 14.
 Charge forming device. W. H. Teeter. 1,948,012; Feb. 20.
 Charge forming device. W. H. Teeter. 1,970,025-6; Aug. 14.
 Charge of a storage battery, Apparatus for controlling the. F. G. Beetem. 1,960,199; May 22.
 Charge sizer. W. H. Schussler. 1,981,473; Nov. 20.
 Charge supplying and mixing apparatus for internal combustion engines, Pressure controlled. A. Moore. 1,973,496; Sept. 11.
 Charge treating device for internal combustion engines. D. L. Coveyow. 1,983,268; Dec. 4.
 Charging apparatus for coke ovens. E. O. Rhodes, E. W. Volkmann, and J. C. Fitzpatrick. 1,942,979; Jan. 9.
 Charging plug. A. O. Codney. 1,973,449; Oct. 30.
 Charging system for storage batteries. H. W. Beedle. 1,967,802; July 24.
 Charging system for storage batteries. J. L. Woodbridge. 1,967,801; July 24.
 Chart, Calculating. F. J. Bentz. Des. 91,700; Mar. 13.
 Chart, Color harmonizing. J. W. Jones. 1,964,260; June 26.
 Chart, Communication. C. R. Hodge. 1,962,687; June 12.
 Chart, Growth indicating. L. Shields and D. O. Anderson. 1,974,085; Sept. 18.
 Chart mechanism, Recording. A. F. Spitzglass. 1,959,742; May 22.
 Chart, Pictorial. C. M. Stafford. Des. 91,451; Jan. 30.
 Chart, Storm. R. B. McIlroy and L. E. Baker. 1,985,259; Dec. 25.
 Charting device. R. W. Walsh. 1,942,075; Jan. 2.
 Charts, Printing of. J. and R. Neumann. 1,977,805; Oct. 23.
 Chaser. E. T. Bysshe and R. R. Finn. 1,953,528; Apr. 3.

- Chaser and turning tool, Combined circular. W. J. Hogg. 1,978,427; Oct. 30.
- Chaser carrier. R. E. Hyde. 1,947,599; Feb. 20.
- Chaser-cutting mechanism. A. F. Breitenstein. 1,976,476; Oct. 9.
- Chaser holder with angular clamps. C. A. Reimschuessel. 1,951,290; Mar. 13.
- Chaser holder with heeled clamp. C. Reimschuessel and J. G. Harper. 1,951,291; Mar. 13.
- Chassis, Convertible motorcycle. E. P. du Pont and G. B. Weaver. 1,956,319; Apr. 24.
- Chassis for aircraft, Landing. C. Dornier. 1,968,637; July 31.
- Chassis for motor vehicles. L. Träger. 1,960,356; May 29.
- Chassis lubrication. J. Bijur. 1,948,502; Feb. 27.
- Chassis lubrication. J. Bijur. 1,980,780; Nov. 13.
- Chassis, Motor vehicle. C. F. Linderman. 1,975,366; Oct. 2.
- Chatter eliminator for road maintenance machines. L. H. Lull. 1,968,412; July 31.
- Chattering of slender work, Preventing. W. F. Howard. 1,976,072; Oct. 9.
- Check endorser. W. H. Lyman and P. F. Fischel. Re19,098; Feb. 27.
- Check for engine starters, Rebound. M. P. Whitney. 1,971,740; Aug. 28.
- Check for steering mechanism. B. B. Fox. 1,946,156; Feb. 6.
- Check holder. R. B. French. 1,953,707; Apr. 3.
- Check lock. W. Woodapple. 1,974,788; Sept. 25.
- Check printing mechanism for cash registers. M. Jacob. 1,978,535; Oct. 30.
- Check protecting device. L. Pollock. 1,981,662; Nov. 20.
- Check protector, Fountain pen. C. D. Weston. 1,943,404; Jan. 16.
- Check row wire for planters. A. E. W. Johnson. 1,982,434; Nov. 27.
- Check strap for picker sticks. R. Di Cristoforo. 1,971,813; Aug. 28.
- Check testing means for check controlled apparatus. A. A. Kneeb. 1,945,320; Jan. 30.
- Check valves and maintaining balance, Device for recording. A. Abel. 1,983,587; Dec. 11.
- Check valve. D. J. Finnie and E. W. Greer. 1,960,335; May 29.
- Check valve. C. N. Harrub. 1,950,847; Mar. 13.
- Check valve. A. C. Recker. 1,975,477; Oct. 2.
- Check valve. M. Smolensky. 1,950,575; Mar. 13.
- Check valve. D. R. Yarnall. 1,960,041; May 22.
- Check valve, Double acting. A. J. Diescher. 1,956,010; Apr. 24.
- Check, Vehicle. H. W. Otis. 1,966,308; July 10.
- Check wire for planters. E. R. Graves. 1,982,427; Nov. 27.
- Check writer. J. F. Koca and O. A. Hokanson. 1,943,828; Jan. 16.
- Checkwriter. E. E. Phinney. 1,980,822; Nov. 13.
- Check writer. H. C. Welter. 1,959,186; May 15.
- Check writer and protector, Portable. W. Melin. 1,981,459; Nov. 20.
- Check writer operating mechanism. O. Slettevold. 1,961,716; June 5.
- Checkwriting machine. F. D. Bentzel. 1,958,464; May 15.
- Check writing machine. H. Dreyfuss and W. B. Payne. Des. 93,157; Aug. 28.
- Checks, Distinguishing between genuine and spurious. F. W. Hoban. 1,971,524; Aug. 28.
- Checker-work. E. A. Brown, jr., and M. M. Marks. 1,951,047; Mar. 13.
- Checkerwork. E. A. Brown, jr., and M. M. Marks. 1,963,291; June 19.
- Checkerwork. A. A. Claassen. Re19,388; Dec. 4.
- Checkerwork construction. A. L. Foell. 1,953,342; Apr. 3.
- Checkerwork for multizone regenerators. H. Pohl and A. Schack. 1,964,830; July 3.
- Cheerstick, Rooter's. F. A. Baschon. Des. 93,699; Oct. 30.
- Cheese, Curing. E. F. Goss and B. W. Hammer. 1,974,847; Sept. 25.
- Cheese, Manufacturing cheddar. L. C. Bruhn. 1,981,986; Nov. 27.
- Cheese mold. C. M. Gere. 1,956,898; May 1.
- Cheese, Preservation of raw. H. D. Marshall. 1,959,485; May 22.
- Cheese product and producing the same. A. K. Epstein and B. R. Harris. 1,945,345; Jan. 30.
- Chemical and bandage embodying same, Variable resistant. W. F. Wilhelm. 1,950,957; Mar. 13.
- Chemical apparatus. T. A. Mitchell. 1,977,238; Oct. 16.
- Chemical compound. W. Brün. 1,943,513; Jan. 16.
- Chemical compound and priming mixture containing the same. W. Brun. 1,971,030; Aug. 21.
- Chemical compound and producing the same. C. E. Breizy. 1,976,831; Oct. 16.
- Chemical compounds and preparing same, Halogen substituted. R. A. Jacobson. 1,950,440; Mar. 13.
- Chemical compounds, Apparatus for acting on. V. T. Malcolm. 1,975,063; Sept. 25.
- Chemical compounds from the gases of the soda-melting furnaces in the production of sulphate cellulose, Recovering. O. Nordström. 1,963,862; June 19.
- Chemical compounds, Producing. T. G. Stephens. 1,944,281; Jan. 23.
- Chemical compounds, Purifying normally solid. S. Jozsa. 1,948,585; Feb. 27.
- Chemical compounds, Treating. P. L. Salzberg. 1,944,274; Jan. 23.
- Chemical container. E. A. Hufts. 1,945,689; Feb. 6.
- Chemical container. E. A. Hufts. 1,980,727; Nov. 13.
- Chemical drier. J. Roberts. 1,960,123; May 22.
- Chemical laboratory apparatus. W. O. Geyer. 1,973,754; Sept. 18.
- Chemical laboratory apparatus. W. O. Geyer. 1,973,755; Sept. 18.
- Chemical pack. E. A. Zackheim. 1,975,245; Oct. 2.
- Chemical product and producing same. A. M. Collins. 1,967,865; July 24.
- Chemical products and producing same. W. H. Carothers and G. J. Berchet. 1,965,369; July 3.
- Chemical pulp and apparatus therefor, Making. G. L. M. Hellstrom. 1,954,625; Apr. 10.
- Chemical pulp, Treating. R. S. Hatch. 1,951,017; Mar. 13.
- Chemical pulping process. G. A. Richter. 1,974,751; Sept. 25.
- Chemical reactions, Apparatus for carrying out exothermic. R. Du Chaffaut. 1,942,021; Jan. 2.
- Chemical reactions, Apparatus for carrying out exothermic catalytic. A. Etienne and R. du Chaffaut. 1,962,301; June 12.
- Chemical reactions at elevated temperatures, Effecting. J. S. Beekley. 1,959,151; May 15.
- Chemical reactions between gas-like substances, Carrying out. R. Stadler and O. Elsenbut. 1,977,155; Oct. 16.
- Chemical reactions, Producing. W. W. Odell. 1,984,380; Dec. 18.
- Chemical treatment of clays. W. S. Wilson. 1,953,144; Apr. 3.
- Chemical treatment of fabrics. E. A. Slagle. 1,947,024; Feb. 13.
- Chemical treatment of shellac. W. A. Boughton. 1,953,951; Apr. 10.
- Chemical treatment process for pulp manufacture. H. L. Wollenberg. 1,982,130; Nov. 27.
- Chemicals and apparatus therefor, Treating. J. F. Wait. 1,979,126; Oct. 30.
- Chemistry. J. Fleischer. 1,943,268; Jan. 9.
- Chemistry. T. Midgley, jr. 1,961,774; June 5.
- Chenille fur for carpet making. J. Hamilton. 1,983,663; Dec. 11.
- Chenille, Manufacture of. J. Morton. 1,981,741; Nov. 20.
- Cherry. M. Gerber. Pl. Pt. 94; Apr. 17.
- Cherry stemming machine. R. Buydts. 1,962,052; June 5.
- Chest. F. J. Book. 1,957,383; May 1.
- Chest. S. F. Pratt. 1,973,825; Sept. 18.
- Chest. J. Weber. 1,969,191; Aug. 7.
- Chest and making the same, Treasure. H. P. Shriver. 1,954,896; Apr. 17.
- Chest for silverware or the like. B. H. Prout. Des. 93,573; Oct. 9.
- Chest, Manicure. F. N. Lewis. 1,947,604; Feb. 20.
- Chest, Money. W. C. Miller. 1,965,296; July 3.
- Chest of drawers. W. Millington. Des. 93,281; Sept. 11.
- Chest, Storage. H. M. Fancher. 1,950,168; Mar. 6.
- Chewing gum machine. F. A. Garbutt. 1,977,052; Oct. 16.
- Chick box. G. E. Bomberger. Re19,122; Mar. 27.
- Chick shipping container. H. C. Lang. 1,966,672; July 17.
- Chickens and other birds, Apparatus for eviscerating. W. R. C. Ashby. 1,984,562; Dec. 18.
- Child figure or similar article, Female. W. E. Disney. Des. 92,167; May 8.
- Child's chair. F. W. Evans. Des. 93,867; Nov. 20.
- Child's chair. H. V. Koop. 1,967,533; July 24.
- Child's seat. J. Kersten. 1,945,781; Feb. 6.
- Child's toilet seat. A. J. Headworth. 1,953,855; Apr. 3.
- Chilling. I. C. Carpenter. 1,962,580; June 12.
- Chilling method and apparatus. L. D. Jones. 1,978,382; Oct. 23.
- Chilling method and tool for expansion fits. S. E. Allen and O. N. Wiswell. 1,955,728; Apr. 24.
- Chime. G. L. Bossard. 1,960,079; May 22.
- Chime, Signal. L. G. Bergeron. Des. 92,643; July 3.
- Chime, Signal. R. D. Karnell. Des. 91,393; Jan. 23.
- Chimney, Arc extinguishing. A. Clerc. 1,944,403; Jan. 23.
- Chimney cleaner. N. Hill. 1,961,057; June 26.
- Chimney draft regulator. G. W. Mason. 1,980,692; Nov. 13.
- Chimney top. K. Kroebig. 1,954,877; Apr. 17.
- Chip cutter. E. J. Finegan. 1,980,193; Nov. 13.
- Chip remover for metal-working machines. A. J. Lewis. 1,964,361; June 26.
- Chisel, Cold. E. A. Bardwell. Des. 92,385; June 5.
- Chisel welder, Step. E. J. W. Ragsdale and J. C. Whitesell, jr. 1,981,708; Nov. 20.
- Chloramine and product thereof, Coating. W. F. Wilhelm. 1,950,956; Mar. 13.
- Chlorates and perchlorates, Producing. U. Ehrhardt. 1,965,457; July 3.
- Chlorates for blasting purposes and product thereof, Treating. L. Ivanoff and P. O. Björkman. Re19,394; Dec. 11.
- Chloreton and making same, Anhydrous. M. S. Carpenter. 1,967,287; July 24.
- Chloride, Polymerizing vinyl. W. L. Semon. 1,983,949; Dec. 11.

- Chloride, Preparation of cuprous. D. Gernes. 1,964,569; June 26.
- Chlorination. C. F. Weitzel, H. G. Potts, and J. E. Underwood. 1,971,241; Aug. 21.
- Chlorine compositions, Production of available. H. G. Elledge and A. Hirsch. 1,966,383; July 10.
- Chlorine containing compounds, Preparing stable. H. Adler. 1,965,304; July 3.
- Chlorine gas, Supplying. F. C. Schmelkes. 1,966,265; July 10.
- Chloronaphthalenes, Purification of. S. Brown and E. R. Hanson. 1,953,070; Apr. 3.
- Chlorobenzene, Making. W. Prah. 1,963,761; June 19.
- Chlorobutadiene and resulting product, Polymerizing. A. M. Collins. 1,967,861; July 24.
- Chloro-carvacrol derivatives soluble, and product obtained thereby, Rendering. C. Philipp. 1,964,999; July 3.
- Chloroform, Making. A. A. Levine. 1,975,727; Oct. 2.
- Chlorophenylphenol and making same. E. C. Britton and F. Bryner. 1,969,963; Aug. 14.
- Chock. K. S. Clapp. 1,966,975; July 17.
- Chock block. H. H. Houston. 1,967,823; July 24.
- Chock block. N. T. MacKenzie. 1,959,299; May 15.
- Chock for automobile lifts, Automatic. E. E. Hollister. 1,946,320; Feb. 6.
- Chock for vehicle elevators. J. D. Cochran. 1,943,003; Jan. 9.
- Chock for vehicle lifts, Automatic. K. S. Clapp. 1,978,622; Oct. 30.
- Chocking device for vehicle lifts. R. L. Bacher. 1,979,788; Nov. 6.
- Chocolate butter and making same. J. J. Lyons and D. A. Farrell. 1,957,789; May 8.
- Chocolate, Treating. G. R. Baker and G. D. Wilson. 1,984,009; Dec. 11.
- Choke control for internal combustion engines, Automatic. A. C. Purpura. 1,957,289; May 1.
- Choke regulator. T. N. Coffeeder. 1,969,358; Aug. 7.
- Choke, Removable. H. C. Otis. 1,972,791; Sept. 4.
- Choke valve. C. E. Markham. 1,978,052; Oct. 23.
- Choker trap. J. Kleffman. 1,951,296; Mar. 13.
- Choking device for gasoline engines. W. van B. Roberts. 1,955,145; Apr. 17.
- Cholesterin ester. M. Bockmühl and R. Knoll. 1,944,542; Jan. 23.
- Chondroitin compounds and their preparation. L. A. Crandall, Jr. 1,950,100; Mar. 6.
- Chopper and cultivator, Cotton. C. V. Jones. 1,963,851; June 19.
- Chopper, Food. M. C. Dellinger. 1,947,153; Feb. 13.
- Chopper, Food. A. O. Schaefer. 1,952,946; Mar. 27.
- Chopper, Pineapple stump. C. V. Morine. 1,968,417; July 31.
- Christmas tree base. R. Garrett. 1,971,300; Aug. 21.
- Christmas tree board. R. F. Kidwell. 1,971,612; Aug. 28.
- Christmas-tree holder. H. G. Eason. 1,943,659; Jan. 16.
- Christmas tree holder. C. E. Holden. 1,943,269; Jan. 9.
- Christmas tree, Illuminated artificial. M. S. Dunkelburger. Des. 93,006; Aug. 14.
- Christmas tree lighting set and case therefor or similar article, Combined. L. Pollock. Des. 94,047; Dec. 11.
- Christmas tree lighting set and container therefor and similar article, Combined. A. L. Buschman. Des. 93,700; Oct. 30.
- Chromates and dichromates, Manufacture of. J. E. Demant. 1,955,326; Apr. 17.
- Chromates, Manufacture of. O. F. Tarr. 1,948,143; Feb. 20.
- Chromates, Producing. J. B. Carpenter, Jr., and E. P. Stevenson. 1,964,719; July 3.
- Chrome tanning process. F. A. Vogel. 1,982,586; Nov. 27.
- Chromium alloys low in carbon, Producing. T. R. Haglund. 1,967,530; July 24.
- Chromium alloys, Manufacturing low-carbon. T. R. Haglund. 1,946,161; Feb. 6.
- Chromium compound of azo dyestuffs. H. Krzikalla. 1,951,830; Mar. 20.
- Chromium-containing steels. F. M. Becket and R. Franks. 1,954,344; Apr. 10.
- Chromium, Electroplating. D. T. Ewing. 1,952,793; Mar. 27.
- Chromium iron alloys, Forming. J. J. Vetter. 1,975,338; Oct. 2.
- Chromium, Making pulverulent. L. D. Jensen. 1,968,490; July 31.
- Chromium, Method, apparatus, and elements thereof for use in the electrodeposition of. C. H. Eldridge. 1,975,227; Oct. 2.
- Chromium of chromium alloys, Manufacturing. T. R. Haglund. 1,951,091; Mar. 13.
- Chromium oxide, Manufacture of. J. E. Demant. 1,968,599; July 31.
- Chromium plating. G. E. Barber. 1,942,469; Jan. 9.
- Chromium plating. C. V. Iredell. 1,953,484; Apr. 3.
- Chromium plating. H. Mahlstedt. 1,967,716; July 24.
- Chromium plating. A. Ungelenk, J. Fischer, and H. Endrass. 1,975,239; Oct. 2.
- Chromium plating bath and making same. E. Sohn and E. D. Meanor. 1,967,789; July 24.
- Chromium plating of type. P. P. Hale. 1,978,791; Oct. 30.
- Chronological instrument. H. E. Schulse. 1,959,601; May 22.
- Chronometer, Electronic. A. B. Fuller. 1,954,313; Apr. 10.
- Chuck. R. S. Brown. 1,969,687; Aug. 7.
- Chuck. H. Draper. 1,956,318; Apr. 24.
- Chuck. W. J. Gorman. 1,985,446; Dec. 25.
- Chuck. F. H. Le Jeune. 1,959,081; May 15.
- Chuck. W. J. Pearmain. 1,969,149; Aug. 7.
- Chuck. H. E. Sloan and G. A. Highberg. 1,971,537; Aug. 28.
- Chuck. H. L. Smith and A. L. Stowell. 1,953,637; Apr. 3.
- Chuck. W. Spetz. 1,954,759; Apr. 10.
- Chuck. R. L. Watson. 1,977,658; Oct. 23.
- Chuck. B. H. Williams. 1,977,363; Oct. 16.
- Chuck actuating mechanism. A. E. Church. 1,956,272; Apr. 24.
- Chuck and press actuating mechanism. W. Wehmeyer. 1,967,045; July 17.
- Chuck construction for rock drills. G. M. Nell. 1,968,902; Aug. 7.
- Chuck controlling device. L. E. Whiton. 1,974,884; Sept. 18.
- Chuck controlling mechanism. L. E. Whiton. 1,974,885; Sept. 18.
- Chuck, Drilling. J. L. Taylor. 1,979,652; Nov. 6.
- Chuck for gripping the inner and the outer periphery of hollow articles. S. Bruck. 1,952,035; Mar. 20.
- Chuck for lathes and other machine tools, Motor operated. W. Berg. 1,971,638; Aug. 28.
- Chuck for tools, Clamping. H. Görg. 1,946,158; Feb. 6.
- Chuck lubricating connector. A. Johnson. 1,984,878; Dec. 18.
- Chuck, Magnetic. W. H. Bailey and C. J. Gustafson. 1,956,941; May 1.
- Chuck, Magnetic. F. L. Simmons. 1,970,922; Aug. 21.
- Chuck, Motor-operated. C. W. Olson. 1,974,249; Sept. 18.
- Chuck retaining means. F. O. Hoagland. 1,980,336; Nov. 13.
- Chuck, Self centering. R. L. Hibbard. 1,967,507; July 24.
- Chuck shifting mechanism for lidding machine. H. Paxton. 1,959,839; May 22.
- Chuck, Swivel. M. E. Mitchell. 1,952,451; Mar. 27.
- Chucking machine, Automatic. H. J. Hauck and S. T. Goss. 1,977,964; Oct. 23.
- Chucking mechanism. F. L. Cone. 1,984,177; Dec. 11.
- Chucking mechanism. H. E. Sloan and G. A. Highberg. 1,966,834; July 17.
- Churn. F. B. Akers. 1,945,212; Jan. 30.
- Churn. A. A. Hill. 1,983,458; Dec. 4.
- Churn dasher. C. Morrison. 1,954,143; Apr. 10.
- Churn, Power. W. L. Lawler. 1,982,059; Nov. 27.
- Chute, Arc. J. Slepian. 1,966,316; July 10.
- Chute, Coin. A. Carson. 1,984,460; Dec. 18.
- Chute, Coin. W. A. Tratsch. 1,941,637; Jan. 2.
- Chute, Coin. W. A. Tratsch. 1,952,956; Mar. 27.
- Chute device for rolling mills. F. C. Biggert, Jr. 1,956,636; May 1.
- Chute for material to be shot. B. Karthäuser. 1,047,011; Feb. 13.
- Chute for mixers, Discharge. O. G. Mandt. 1,946,222; Feb. 6.
- Chute, Mail. J. W. Cutler. 1,983,071; Dec. 4.
- Chute, Mail. C. Dobbin. 1,979,796; Nov. 6.
- Chute, Mail. L. Howard. 1,969,848; Aug. 14.
- Chute, Mail. M. Katz. 1,953,485; Apr. 3.
- Chute or gate, Emptying. J. K. Stauffer. 1,961,307; June 5.
- Chute supporting means. G. D. Beaver. 1,975,533; Oct. 2.
- Cigar. M. S. Kayner. 1,982,168; Nov. 27.
- Cigar and making the same, Tipped. E. W. Berriman. 1,969,834; Aug. 14.
- Cigar bending machine. F. X. Malocsay. 1,964,640; June 26.
- Cigar banding machine. A. F. Dillon. 1,975,450; Oct. 2.
- Cigar box. A. Arata. 1,976,474; Oct. 9.
- Cigar bunch forming. R. E. Rundell. 1,981,469; Nov. 20.
- Cigar bunch head trimmer. J. F. Halstead. 1,964,052; June 26.
- Cigar bunch machine. R. E. Rundell. 1,948,598; Feb. 27.
- Cigar bunch rolling and shaping machine. R. E. Rundell. 1,944,760; Jan. 23.
- Cigar bunches, Treating. M. Patterson and R. E. Rundell. 1,948,626; Feb. 27.
- Cigar cellophane-envelope end-crimping device. L. Ferenc. 1,948,570; Feb. 27.
- Cigar "cellophaning" machine. R. J. Beutel. 1,964,411; June 26.
- Cigar, cigarette, or the like receptacle. J. W. Fitz Gerald. 1,945,805; Feb. 6.
- Cigar container. E. W. Lillienfeld. 1,954,013; Apr. 10.
- Cigar feeding device. E. F. Cornock. 1,965,306; July 3.
- Cigar feeding mechanism. E. F. Cornock. 1,985,765; Dec. 25.
- Cigar fillers, Method and apparatus for making. F. H. B. Steizer. 1,979,648; Nov. 6.
- Cigar holder. H. Alberg. Des. 91,258; Jan. 2.
- Cigar machines, Leaf transferring device in. K. E. Kranstedt. 1,952,546; Mar. 27.
- Cigar manufacturing apparatus and method. K. E. Granstedt. 1,982,292; Nov. 27.
- Cigar tip. B. I. Horwitz. 1,975,152; Oct. 2.
- Cigar transfer for enveloping and banding machines. R. J. Beutel. 1,948,558; Feb. 27.
- Cigar-wrapping device. K. E. Granstedt. 1,944,973; Jan. 30.

- Cigar wrapping machine. E. L. Smith. 1,965,321; July 3.
Cigar wrapping mechanism. K. E. Grandstedt. 1,966,548; July 17.
Cigars, Banding. C. N. Ciolino. 1,951,788; Mar. 20.
Cigars, Individual wrapping of. J. A. Doll. 1,980,913; Nov. 13.
Cigars, Making. C. J. Du Brul. 1,961,684; June 5.
Cigars, Method of and machine for manufacturing. E. R. Dahistrom. 1,962,810; June 12.
Cigars with protective material, Machine for wrapping. H. H. Wheeler. 1,976,913; Oct. 9.
Cigarette. B. Elow and J. H. Stele. 1,963,738; June 19.
Cigarette. P. G. Thomas. 1,945,207; Jan. 30.
Cigarette. W. J. Walker, jr. 1,980,563; Nov. 13.
Cigarette. W. Ziehe. 1,964,417; June 26.
Cigarette aligning device. E. D. Smith. 1,945,090; Jan. 30.
Cigarette and cigar holder and ejector, Combination. K. Reusch. 1,978,601; Oct. 30.
Cigarette and making same. R. John. 1,967,556; July 24.
Cigarette and match pack, Unitary. I. H. Anderson. 1,970,878; Aug. 21.
Cigarette and match package, Combined. E. S. K. Fung. 1,948,418; Feb. 20.
Cigarette and match package, Combined. R. S. Pullen. 1,975,732; Oct. 2.
Cigarette box. J. Soltys. 1,971,203; Aug. 21.
Cigarette case. I. P. Gaxiola. 1,957,261; May 1.
Cigarette case. F. J. Keefe. 1,943,678; Jan. 16.
Cigarette case. J. P. Krieger. 1,949,165; Feb. 27.
Cigarette case. I. N. Lind. 1,978,497; Oct. 30.
Cigarette case and lighter, Combined. E. S. Anderson. 1,968,332; July 31.
Cigarette case and lighter, Combined. N. R. Axelsson. 1,966,914; July 17.
Cigarette case and match holder, Combination. W. Brunner and J. J. Mulken. 1,982,855; Dec. 4.
Cigarette case or analogous article. M. Block. Des. 93,535; Oct. 9.
Cigarette construction. D. A. Hauser and G. W. Reels. 1,957,958; May 8.
Cigarette container construction. A. F. Reilly. 1,957,293; May 1.
Cigarette container, ejector, and lighter. G. B. Clemmer. 1,967,663; July 24.
Cigarette container, Novelty. E. G. Morath. 1,973,221; Sept. 11.
Cigarette dispenser. M. Hnath. 1,972,591; Sept. 4.
Cigarette dispenser, lighter, and ash tray, Combination. I. Jeppsson. Des. 92,086-7; Apr. 24.
Cigarette dispensing and lighting mechanism. W. Deats. 1,982,046; Nov. 27.
Cigarette dispensing device. R. Rapellin. 1,964,597; June 26.
Cigarette dispensing device and associated mechanism. L. V. Aronson. 1,969,112; Aug. 7.
Cigarette ejector. P. L. Coon. 1,963,971; June 26.
Cigarette extinguisher. F. A. Ford. 1,944,640; Jan. 23.
Cigarette extinguisher. M. Uitto. 1,966,774; July 17.
Cigarette extinguisher and ash tray. H. J. Lebherz. 1,941,607; Jan. 2.
Cigarette forming device. W. E. Lacey. 1,953,010; Mar. 27.
Cigarette holder. J. E. Aster. 1,983,013; Dec. 4.
Cigarette holder. J. R. Blankenship. 1,941,531; Jan. 2.
Cigarette holder. B. Brueck. 1,976,653; Oct. 9.
Cigarette holder. E. A. Call. 1,956,892; May 1.
Cigarette holder. O. E. Ross. 1,974,658; Sept. 25.
Cigarette holder or the like. E. H. Buchardt. Des. 93,001; Aug. 14.
Cigarette machine. H. L. Lawson and J. Stampfli. 1,969,180; Aug. 7.
Cigarette machine. S. C. Miller. 1,952,559; Mar. 27.
Cigarette making device. G. H. Lawrence. 1,965,706; July 10.
Cigarette making device, Hand. H. H. Straus. 1,969,586; Aug. 7.
Cigarette making machine. D. W. Molins. 1,971,870; Aug. 28.
Cigarette making machine. D. W. Molins. 1,974,032; Sept. 18.
Cigarette making machine. W. E. Molins. 1,955,012; Apr. 17.
Cigarette making machine. W. E. Molins. 1,971,869; Aug. 28.
Cigarette making machine. W. E. Molins and F. F. Ruau. 1,983,986; Dec. 11.
Cigarette making machine. W. A. Norris. 1,949,654; Mar. 6.
Cigarette making machine. F. F. Ruau. 1,962,036; June 5.
Cigarette making machine. F. G. Steuart. 1,956,838; May 1.
Cigarette making machine, Hand operated. E. W. Brunton. 1,981,137; Nov. 20.
Cigarette making machines, Apparatus for use in or in conjunction with. C. Oliver. 1,941,752; Jan. 2.
Cigarette mouth piece. L. H. Colpe. 1,967,289; July 24.
Cigarette package. H. R. Bethke. 1,949,139; Feb. 27.
Cigarette package. R. Blum. 1,943,810; Jan. 16.
Cigarette package. T. J. Chute. 1,943,204; Jan. 9.
Cigarette package. E. F. Jackman. 1,959,829; May 22.
Cigarette package. C. H. Mackie. 1,955,646; Apr. 17.
Cigarette package. B. McPherson. 1,944,098; Jan. 16.
Cigarette package. S. C. Miller. 1,943,924; Jan. 16.
Cigarette package. M. Patterson. 1,948,593; Feb. 27.
Cigarette package. R. T. Perine. 1,969,384; Aug. 7.
Cigarette package and packaging cigarettes. P. M. Gross and G. H. Flowers. 1,972,222; Sept. 4.
Cigarette package and resilient hinge therefor. P. M. Bambino. 1,965,133; July 3.
Cigarette packing machine. D. W. Molins. 1,967,154; July 17.
Cigarette packing machinery. D. B. Kidd. 1,972,657; Sept. 4.
Cigarette roller and case, Combined. F. E. Elersich. 1,953,879; Apr. 3.
Cigarette rolling device. N. K. Fougner. 1,980,989; Nov. 20.
Cigarette rolling machine. J. W. Ash. 1,982,365; Nov. 27.
Cigarette, Self-lighting. J. Parsons. 1,942,899; Jan. 9.
Cigarette server. A. P. Hirschfeld and W. O. Tuckerman. Des. 92,001; Apr. 17.
Cigarette snuffer. P. Hamm. 1,948,880; Feb. 27.
Cigarette stacker, Automatic. R. E. Rundell. 1,964,084; June 26.
Cigarette stub pulling and extinguishing device. J. A. Ausbrooks. 1,968,118; July 31.
Cigarette vending machine. W. H. Block. 1,981,135; Nov. 20.
Cigarette vending machine. B. F. McCollum and C. E. Thomas. 1,979,042; Oct. 30.
Cigarette vending machine. J. S. McCullough. 1,979,043-4; Oct. 30.
Cigarettes and similarly-shaped articles of manufacture when packing same, Device for reversing. W. Braunn and C. Kaubisch. 1,984,962; Dec. 18.
Cigarettes and the like, Construction of. M. Zirmer. 1,983,926; Dec. 11.
Cigarettes, Apparatus for dispensing and lighting. W. Jay. 1,974,462; Sept. 25.
Cigarettes delivered from a continuous rod cigarette machine, Distributing. A. Werner. 1,951,589; Mar. 20.
Cigarettes, Device for medicating. W. J. Perry. 1,984,984; Dec. 18.
Cigarettes, Device for testing. D. W. Molins. 1,977,239; Oct. 16.
Cigarettes from cigarette packages, Attachment for removing. H. G. Hayes. 1,942,334; Jan. 2.
Cigarettes, Manufacture of. W. M. Edwards. 1,967,610; July 24.
Cigarettes, Manufacture of. D. W. Molins. 1,967,624; July 24.
Cigarettes, Manufacture of. A. Podmore. 1,977,998; Oct. 23.
Cigarettes, Manufacturing and packaging. P. M. Gross and G. H. Flower. 1,967,554; July 24.
Cigarettes through cigarette-packing machines, Conveying. V. D. Popov. 1,984,808; Dec. 18.
Cinder or dust collector. G. C. Cook. 1,943,297; Jan. 16.
Cinder or dust collector. G. C. Cook. 1,959,345; May 22.
Cinders, fly-ash, etc., Device for arresting. J. F. Butts. 1,970,488; Aug. 14.
Cinematograph and synchronized sound reproducing unit. A. Shapiro. 1,977,293; Oct. 16.
Cinematograph machine. W. E. John. 1,962,244; June 12.
Cinematographic apparatus. H. Kuppenbender and K. Hoffmann. 1,956,391; Apr. 24.
Cinematographic picture taking and projecting machine. G. Gualtierotti. 1,984,264; Dec. 11.
Cinematographic printing machine. A. L. V. C. Debrle. 1,948,066; Feb. 20.
Cinematographic projection, Apparatus for. J. Bogopolsky. 1,948,900; Feb. 27.
Cinematographic projection by addition synthesis, System for colored. G. Gualtierotti. 1,951,693; Mar. 20.
Cinematography. C. B. Dreyer. 1,960,373; May 29.
Cinematography, Luminous. M. Lo Presti. 1,967,150; July 17.
Cipher eliminating mechanism. G. J. Barrett. 1,951,592; Mar. 20.
Circlet tying machine. R. E. Haynes. 1,972,520; Sept. 4.
Circuit. W. Uytendhoeven and M. van Dam. 1,984,503; Dec. 18.
Circuit, Amplifier. C. A. Tileston and R. H. Caldwell. 1,959,088; May 15.
Circuit arrangement for discharge tubes, Electric. W. Le R. Dunn. 1,949,564; Mar. 6.
Circuit arrangement for electrical amplifiers. J. J. Numa. 1,985,352; Dec. 25.
Circuit arrangement for thermionic receivers. A. Arzmaier and A. Jaumann. 1,954,782; Apr. 17.
Circuit arrangement with parallel supply, Amplifying. J. L. H. Jonker and W. Albricht. 1,957,542; May 8.
Circuit, Audion. L. M. Hull. 1,965,645; July 10.
Circuit back pressure control, Hydraulic. R. A. Schafer. 1,972,462; Sept. 4.
Circuit, Band pass. T. J. Weyers. 1,968,237; July 31.
Circuit, Battery control. W. A. Morrison. 1,970,329; Aug. 14.
Circuit breaker. B. P. Baker. 1,973,460; Sept. 11.
Circuit breaker. W. F. Borgerd and C. A. Uhrek. 1,982,463; Nov. 27.
Circuit breaker. G. V. Cruise. 1,977,716; Oct. 23.
Circuit breaker. J. C. Daley. 1,947,037; Feb. 13.

- Circuit breaker. H. H. Dodge and J. W. Foresman. 1,950,049; Mar. 6.
- Circuit breaker. H. D. Dorfman. 1,955,327; Apr. 17.
- Circuit breaker. H. D. Dorfman. 1,966,286; July 10.
- Circuit breaker. H. D. Dorfman. 1,985,023; Dec. 18.
- Circuit breaker. R. Fischer. 1,958,362; May 8.
- Circuit breaker. W. H. Frank, 2d., and J. A. Messing. 1,952,039; Mar. 20.
- Circuit breaker. W. H. Frank, 2d., and J. A. Messing. 1,952,040; Mar. 20.
- Circuit breaker. W. H. Frank and J. Messing. 1,954,588; Apr. 10.
- Circuit breaker. W. H. Frank and J. Messing. 1,982,289; Nov. 27.
- Circuit breaker. S. S. Grady. 1,956,194; Apr. 24.
- Circuit breaker. F. J. Hardman. 1,952,129; Mar. 27.
- Circuit breaker. H. L. Hartzell. 1,891,042; Nov. 20.
- Circuit breaker. W. Kaufmann. 1,942,294; Jan. 2.
- Circuit breaker. L. E. King. 1,953,615; Apr. 3.
- Circuit breaker. H. Langfritz. 1,957,273; May 1.
- Circuit breaker. W. M. Leeds and R. C. Van Sickle. 1,955,337; Apr. 17.
- Circuit breaker. G. N. Lemmon. 1,954,633; Apr. 10.
- Circuit breaker. G. N. Lemmon and H. H. Knowles. 1,954,634; Apr. 10.
- Circuit breaker. H. L. Rawlins. 1,981,709; Nov. 20.
- Circuit breaker. J. R. Sanborn. 1,961,573; June 5.
- Circuit breaker. R. S. Seese. 1,957,734; May 8.
- Circuit breaker. T. A. Sperry. 1,964,093; June 26.
- Circuit breaker. T. A. and R. C. Sperry. 1,966,051; July 10.
- Circuit breaker. W. B. Whitney and E. B. Wedmore. 1,955,212; Apr. 17.
- Circuit breaker. W. B. Whitney, E. B. Wedmore, and A. M. Cassie. 1,955,213; Apr. 17.
- Circuit breaker. W. B. Whitney, E. B. Wedmore, and A. M. Cassie. 1,955,215; Apr. 17.
- Circuit breaker. G. O. Wilms. 1,966,085; July 10.
- Circuit breaker. G. O. Wilms. 1,978,731; Oct. 30.
- Circuit breaker. G. O. Wilms and P. Trombetta. 1,944,832; Jan. 23.
- Circuit breaker. J. D. Wood. 1,974,525; Sept. 25.
- Circuit breaker and calibrating the same. J. W. McNairy. 1,971,196; Aug. 21.
- Circuit breaker, Automatic. W. R. Bullard. 1,959,522; May 22.
- Circuit breaker, Automatic. M. Guett. 1,966,444; July 17.
- Circuit breaker, Automatic. J. Sachs. 1,952,632; Mar. 27.
- Circuit breaker, Automatic reclosing. R. S. Seese. 1,954,849; Apr. 17.
- Circuit breaker, Electric. K. Bauerschmidt. 1,978,246; Oct. 23.
- Circuit breaker, Electric. C. Bresson. 1,967,996; July 24.
- Circuit breaker, Electric. L. S. Hobson. 1,957,213; May 1.
- Circuit breaker, Electric. J. Kopeliowitsch. 1,965,551; July 3.
- Circuit breaker, Electric. W. E. Paul. 1,949,258; Feb. 27.
- Circuit breaker, Electric. W. E. Paul. 1,970,392; Aug. 14.
- Circuit breaker, Electric. S. Ruppel. 1,947,230; Feb. 13.
- Circuit breaker, Electric. I. R. Sigman. 1,983,150; Dec. 4.
- Circuit breaker, Electric. P. Thieme. 1,953,788; Apr. 3.
- Circuit breaker, Electric. H. Trencham. 1,959,224; May 15.
- Circuit breaker, Electrical. W. B. Whitney, E. B. Wedmore, and L. Gosland. 1,955,216; Apr. 17.
- Circuit breaker, Electrical. W. B. Whitney and E. B. Wedmore. 1,981,404; Nov. 20.
- Circuit breaker, Gas-blast. S. Ruppel. 1,951,210; Mar. 13.
- Circuit breaker lever. C. H. Davis, Jr. Re19,083; Feb. 13.
- Circuit breaker, Oil. H. Trencham and H. C. Heath. 1,965,440; July 3.
- Circuit breaker, Overload. M. Guett. 1,975,041; Sept. 25.
- Circuit breaker, Overload. G. W. Knight. 1,978,713; Oct. 30.
- Circuit breaker reclosing relay, Electric. T. L. M. Millar. 1,976,183; Oct. 9.
- Circuit breaker, Refrigerator. C. E. L. Lipman. 1,949,724; Mar. 6.
- Circuit breaker releasing mechanism. C. H. Hodgkins. 1,951,243; Mar. 13.
- Circuit breaker, Repeater. G. L. Carlisle. 1,953,392; Apr. 3.
- Circuit breaker system. Automatic reclosing. A. E. Anderson. 1,974,978; Sept. 25.
- Circuit breaker system. Automatic reclosing. A. E. Anderson, V. L. Cox, and F. S. Wright. 1,968,629; July 31.
- Circuit breaker system. Automatic reclosing. A. S. Fitzgerald. 1,944,072; Jan. 16.
- Circuit breaker system. Automatic reclosing. J. N. Stewart. 1,943,096; Jan. 9.
- Circuit breaker, Thermally controlled. A. A. Durant. 1,982,984; Dec. 4.
- Circuit breaker, Time control. C. E. House. 1,958,822; May 15.
- Circuit breaker unit. A. S. Caswell. 1,954,583; Apr. 10.
- Circuit-breaker with compressed gas blow-out, Electric. A. Clerc. 1,944,402; Jan. 23.
- Circuit breaker with liquid or gas blowout. A. Clerc. 1,982,134; Nov. 27.
- Circuit breaker with liquid or gas blow-outs. A. Clerc. 1,961,475; June 5.
- Circuit breaking receptacle. W. L. Padgett. 1,968,465; July 31.
- Circuit, Calling. L. B. Cooke. 1,956,709; May 1.
- Circuit, Cathode. J. B. Moore. 1,955,556; Apr. 17.
- Circuit change device. J. R. Cook. 1,956,980; May 1.
- Circuit closer. E. A. Fingler. 1,983,973; Dec. 11.
- Circuit closer. D. Hilgenberg. 1,950,240; Mar. 6.
- Circuit closer. C. Placke. 1,964,212; June 26.
- Circuit closer, Centrifugally controlled. J. W. Hale. 1,970,375; Aug. 14.
- Circuit closer, Electric. V. Havenner and M. C. Phillips. 1,951,409; Mar. 20.
- Circuit closer, Electromagnetic. L. Reichold. 1,962,033; June 5.
- Circuit closer for adding machines. A. Knotz. 1,975,694; Oct. 2.
- Circuit closer for motor vehicles, Pedal supported. S. J. Gotham. 1,949,568; Mar. 6.
- Circuit closer for the signaling systems for automobiles. W. Hemingway, Jr., and J. B. Lockwood. 1,958,853; May 15.
- Circuit closer, Thermostatic. G. H. Brady. 1,972,975; Sept. 11.
- Circuit closing device. G. R. and H. Hall, and C. H. Lint. 1,950,301; Mar. 6.
- Circuit closing device for steering wheels. C. Turgeon. 1,963,037; June 12.
- Circuit connection for thermionic tubes. L. Körös. 1,973,082; Sept. 11.
- Circuit continuing device. H. A. Douglas. 1,949,931; Mar. 6.
- Circuit continuing device. H. A. Douglas. 1,953,593; Apr. 3.
- Circuit continuing device. H. A. Douglas. 1,978,933; Oct. 30.
- Circuit continuing means. H. A. Douglas. 1,956,379; Apr. 24.
- Circuit control. J. G. Albright. 1,962,377; June 12.
- Circuit control. F. C. Biggert, Jr. 1,959,851; May 22.
- Circuit-control device. Combined automatic and manual. L. P. Hutt. 1,944,740; Jan. 23.
- Circuit control device, Electric. C. Bowers. 1,961,578; June 5.
- Circuit control means. C. E. Stewart. 1,957,236; May 1.
- Circuit-control means. D. Ulrey. 1,960,293; May 29.
- Circuit control means, Electric. C. R. Meitzler. 1,952,384; Mar. 27.
- Circuit control mechanism for mechanical refrigerating apparatus. F. R. Erbach. Re19,385; Nov. 27.
- Circuit controller. M. Colas and H. Courtois. 1,954,789; Apr. 17.
- Circuit controller. T. B. Cox. 1,976,161; Oct. 9.
- Circuit controller. R. C. Da Costa. 1,966,115; July 10.
- Circuit controller. N. J. Luttrell. 1,964,888; July 3.
- Circuit controller. H. E. Rubens. 1,959,387; May 22.
- Circuit controller. C. Stansbury and G. C. Brown. 1,980,707; Nov. 13.
- Circuit controller. J. F. Tittle and R. O. Eaton. 1,975,564; Oct. 2.
- Circuit controller. H. N. Wagar. 1,969,488; Aug. 7.
- Circuit controller. Clock-operated. T. R. Arden. 1,944,055; Jan. 16.
- Circuit controller. Combined automatic and manual. L. P. Hutt. 1,974,991; Sept. 25.
- Circuit controller, Electromagnetically-controlled. W. T. Gray. 1,974,306; Sept. 18.
- Circuit controller, Indicating. C. J. Ulrich. 1,955,615; Apr. 17.
- Circuit controller, Light responsive. H. W. Lord. 1,971,191; Aug. 21.
- Circuit controller, Thermostatically controlled. O. A. Ross. 1,952,895; Mar. 27.
- Circuit controller, Time controlled. G. H. Johanson and G. C. Froelich. 1,978,947; Oct. 30.
- Circuit controlling appliance, Electric. J. Sachs. 1,946,504; Feb. 13.
- Circuit controlling appliance, Electric. J. Sachs. 1,947,276; Feb. 13.
- Circuit controlling device. J. F. Ebert. 1,967,353; July 24.
- Circuit controlling device. R. W. Goff. 1,964,464; June 26.
- Circuit controlling device. H. C. Graves, Jr. 1,976,781; Oct. 16.
- Circuit controlling device. H. C. Graves, Jr. 1,976,934; Oct. 16.
- Circuit controlling device. L. P. Hutt. 1,944,084; Jan. 16.
- Circuit controlling device. A. W. Krieger. 1,971,614; Aug. 28.
- Circuit controlling device. H. J. Murray. 1,977,887; Oct. 23.
- Circuit controlling device. H. C. Nette. 1,955,201; Apr. 17.
- Circuit controlling device. R. R. Pittman and C. H. Walsh. 1,963,760; June 19.
- Circuit-controlling device, Electromagnetic. J. W. Owens. 1,971,199; Aug. 21.
- Circuit controlling device for electric signs and the like. G. H. Leland. 1,980,542; Nov. 13.
- Circuit controlling means for an induction motor. G. H. Leland. 1,979,480; Nov. 6.

- Circuit controlling mechanism, Electrical. C. L. Hanel. 1,967,359; July 24.
- Circuit controlling motor, Electric. E. K. Whitener and T. F. Suggs. 1,948,450; Feb. 20.
- Circuit controlling or relay device, Electrical. C. L. Hanel. 1,961,857; June 5.
- Circuit, Crystal controlled. H. Rothe. 1,984,896; Dec. 18.
- Circuit, Detector. K. Posthumus. 1,947,569; Feb. 20.
- Circuit, Dynatron. P. O. Farnham. 1,943,471; Jan. 16.
- Circuit, Electric timing. H. Anschütz. 1,985,069; Dec. 18.
- Circuit, Electric translating. P. Lenz. 1,943,126; Jan. 9.
- Circuit, Electric valve. M. M. Morack. 1,954,680; Apr. 10.
- Circuit, Electric valve translating. H. W. Lord. 1,970,515; Aug. 14.
- Circuit, Electrical. R. Gasparik. 1,960,701; May 29.
- Circuit, Electrical control. S. Minned. 1,970,889; Aug. 14.
- Circuit, Electrical repeater. A. M. Nicolson. 1,985,686; Dec. 25.
- Circuit, Electrically heated electric fuse. E. L. Smalley. 1,966,466; July 17.
- Circuit, Electron tube. W. L. Seibert. 1,942,983; Jan. 9.
- Circuit, extension connector, Electric. C. A. Good. 1,956,949; May 1.
- Circuit, extension connector, Electric. C. A. Good. 1,966,950; July 17.
- Circuit for controlling transmission in signaling systems. Q. E. Greenwood. 1,984,065; Dec. 11.
- Circuit for electric waves, Oscillation. H. O. Roosenstein. 1,955,093; Apr. 17.
- Circuit for heat pump temperature control regulating systems, Control. G. Wilkes. 1,976,646; Oct. 9.
- Circuit for high frequency oscillator tubes, Protective. J. D. Wallace. 1,975,812; Oct. 9.
- Circuit for network protectors, Phasing. M. A. Bostwick. 1,982,337; Nov. 27.
- Circuit for refrigerating systems, Refrigerant. M. W. Garland. 1,954,695; Apr. 10.
- Circuit for talking pictures and the like, Sound reproducing. H. E. Yager. 1,965,934; July 10.
- Circuit for telegraph exchange systems, Station. C. Lane. 1,965,383; July 3.
- Circuit for telegraph systems, Break. H. R. Hunkins. 1,978,020; Oct. 23.
- Circuit for traffic controlling systems, Time element. J. E. Willing. 1,983,506; Dec. 4.
- Circuit for X-ray multiple tube stands. J. B. Wantz. 1,950,531; Mar. 13.
- Circuit, Gas-filled tube. B. G. Bjornson. 1,982,782; Dec. 4.
- Circuit, Gaseous discharge lamp. E. O. Erickson. 1,977,231; Oct. 16.
- Circuit, Glow discharge tube. L. K. Swart. 1,977,254; Oct. 16.
- Circuit, Ignition. W. O. Kennington. 1,976,260; Oct. 9.
- Circuit installation, Electric. A. B. Rypinski. 1,963,250; June 19.
- Circuit interrupter. W. M. Austin. 1,942,678; Jan. 9.
- Circuit interrupter. M. W. Brainard and B. P. Baker. 1,963,643; June 19.
- Circuit interrupter. G. A. Burnham. 1,980,471; Nov. 13.
- Circuit interrupter. S. S. Grady. 1,948,519; Feb. 27.
- Circuit interrupter. F. B. Johnson and W. M. Leeds. 1,973,485; Sept. 11.
- Circuit interrupter. F. Kesselring. 1,953,112; Apr. 3.
- Circuit interrupter. O. K. Marti. 1,941,567; Jan. 2.
- Circuit interrupter. H. L. Rawlins. 1,976,634; Oct. 9.
- Circuit interrupter. A. C. Schwager. 1,984,035; Dec. 11.
- Circuit interrupter. J. Slepian. 1,959,770; May 22.
- Circuit interrupter. L. S. Walle. 1,971,205; Aug. 21.
- Circuit interrupter, Electric. W. A. Coates. 1,955,532; Apr. 17.
- Circuit interrupter, Electric. H. A. Pearce. 1,953,820; Apr. 3.
- Circuit interrupter, Electric. D. S. Rivers. 1,958,977; May 15.
- Circuit interrupting and protecting apparatus. F. S. Green. 1,966,716; July 17.
- Circuit interrupting apparatus. W. E. Paul. 1,947,224; Feb. 13.
- Circuit interrupting device. N. K. Andersen. 1,948,741; Feb. 27.
- Circuit, Keving. H. Roder. 1,977,595; Oct. 16.
- Circuit, Light sensitive. S. Ruben. 1,941,493; Jan. 2.
- Circuit, Lighting. R. N. Falge and C. E. Godley. 1,954,075; Apr. 10.
- Circuit, Loss metering. F. E. Terman. 1,976,904; Oct. 16.
- Circuit maker and breaker. C. J. Anderson. 1,973,324; Sept. 11.
- Circuit maker and breaker. E. O. Oberdick and C. Ringwald. 1,950,151; Mar. 6.
- Circuit maker and breaker. M. Sollar. 1,942,309; Jan. 2.
- Circuit maker and breaker, Combined. F. Marzo. 1,950,856; Mar. 13.
- Circuit maker, Fluid pressure controlled. S. E. Heden. 1,969,929; Aug. 14.
- Circuit making and breaking device. C. J. Martin. 1,974,188; Sept. 18.
- Circuit, Measuring. F. J. Moles. 1,969,518; Aug. 7.
- Circuit, Monitoring. F. A. Cowan. 1,958,510; May 15.
- Circuit, Multirange coupling. W. D. Loughlin and C. J. Franks. 1,978,212; Oct. 23.
- Circuit, Noise suppression. R. A. Heising. 1,968,450; July 31.
- Circuit, Noise suppression. F. B. Llewellyn. 1,968,460; July 31.
- Circuit opening device for automobiles, Safety. O. Samad. 1,950,194; Mar. 6.
- Circuit opening system, Duration. W. A. Van Steenberg. 1,955,210; Apr. 17.
- Circuit oscillator, Polyphase relaxation. R. M. Page. 1,972,535; Sept. 4.
- Circuit oscillator, Relaxation. W. F. Curtis. 1,950,399; Mar. 13.
- Circuit, Oscillatory. C. W. Hansell. 1,980,158; Nov. 6.
- Circuit, Permeability-tuned resonant. W. J. Polydoroff. 1,978,600; Oct. 30.
- Circuit proportional control system, Multiple. A. S. Fitzgerald. 1,985,562; Dec. 25.
- Circuit reclosing system. L. F. Hunt and E. W. Rockwell. 1,965,895; July 10.
- Circuit recorder, Call. A. A. Clokey. 1,964,031; June 26.
- Circuit, Regulated rectifier. H. M. Stoller. 1,965,439; July 3.
- Circuit, Reverberation. E. H. Schreiber. 1,947,621; Feb. 20.
- Circuit, Screen grid tube. B. D. H. Tellegen. 1,959,010; May 15.
- Circuit selector, High frequency. M. Morrison. 1,977,398; Oct. 16.
- Circuit, Signal selecting. H. J. Loftis. 1,978,466; Oct. 30.
- Circuit status indicating means. C. M. Petersen. 1,955,513; Apr. 17.
- Circuit, Superregenerative. W. V. Roberts. 1,983,812; Dec. 11.
- Circuit switching timer. R. D. Smith. 1,984,204; Dec. 11.
- Circuit, Telegraph alarm. W. T. Rea. 1,977,776; Oct. 23.
- Circuit, Testing. A. S. Bertels. 1,968,435; July 31.
- Circuit, Thermionic valve. A. Whitaker. 1,945,244; Jan. 30.
- Circuit, Thermostatic control. P. B. Parks and W. M. Smith. 1,975,614; Oct. 2.
- Circuit, Transmission. P. O. Farnham. 1,978,255; Oct. 23.
- Circuit, Transmitter tube. K. Heegner. 1,941,472; Jan. 2.
- Circuit, Tuned oscillatory. C. J. Franks. 1,943,790; Jan. 16.
- Circuit, Vacuum tube. R. D. Duncan, jr. 1,975,834; Oct. 9.
- Circuit, Vacuum tube. S. Ruben. 1,985,519; Dec. 25.
- Circuit, Variable reactance. F. E. Terman. 1,950,759; Mar. 13.
- Circuit, Voice operated. A. C. Norwine. 1,961,381; June 5.
- Circuiting treater, Non-short-. H. F. Fisher. 1,974,451; Sept. 25.
- Circuitous elevator. H. D. James. 1,943,119; Jan. 9.
- Circuitous elevator. H. D. James and H. E. White. 1,971,072; Aug. 21.
- Circuits, Aligning band-pass. P. O. Farnham. 1,977,435; Oct. 16.
- Circuits, Alternating current power translating or control. A. S. Fitz Gerald. 1,973,055; Sept. 11.
- Circuits, Amplifier. W. F. Marriage and P. R. Thomas. 1,960,019; May 22.
- Circuits, Amplifier. W. V. Roberts. 1,981,071; Nov. 20.
- Circuits at regular intervals, Opening and closing. C. V. Bates. 1,970,412; Aug. 14.
- Circuits, Automatic gain control. P. O. Farnham. 1,953,554; Apr. 3.
- Circuits, Band pass tuning. H. F. Dalpayrat. 1,967,570; July 24.
- Circuits, Breaking electric. C. Bresson. 1,954,785; Apr. 17.
- Circuits, Carrier frequency receiving. A. Carpe. 1,950,541; Mar. 13.
- Circuits, Control. P. H. Crago and M. Rosenfeld. 1,958,161; May 8.
- Circuits, Control of electric. O. C. Traver. 1,946,299; Feb. 6.
- Circuits, Controlling starting motor and ignition. H. H. Trail. 1,946,555; Feb. 13.
- Circuits, Controlling starting motor and ignition. H. H. Trail. 1,961,804; June 5.
- Circuits, Coupled. P. O. Farnham. 1,945,427; Jan. 30.
- Circuits, Crystal controlled oscillator. C. W. Hansell. 1,975,603; Oct. 2.
- Circuits, Crystal controlled oscillator. H. O. Peterson. 1,975,615; Oct. 2.
- Circuits, Electric coupling. H. A. Wheeler. 1,943,405; Jan. 16.
- Circuits, Electric translating. C. A. Sabbah. 1,947,231; Feb. 13.
- Circuits, Electric translating. F. B. Vogdes. 1,970,440; Aug. 14.
- Circuits, Electric valve. B. D. Bedford. 1,960,047; May 22.
- Circuits, Electric valve. A. Howard. 1,965,416; July 3.
- Circuits, Electric valve. O. W. Livingston. 1,961,057; May 29.
- Circuits, Electric valve. C. F. Whitney. 1,961,024; May 29.
- Circuits, Electric valve excitation. E. F. W. Alexander, A. H. Mittag, and E. L. Phillips. 1,954,661; Apr. 10.

- Circuits for gas filled tubes, Resetting. L. K. Swart. 1,977,256; Oct. 16.
- Circuits for overcoming static effects, Method and system of. D. M. Crawford. 1,968,817; Aug. 7.
- Circuits for relaying or amplifying direct or alternating current energy. E. Y. Robinson. 1,953,775; Apr. 3.
- Circuits for voice frequency carrier telegraph systems, Selective. L. A. Kelley. 1,944,559; Jan. 23.
- Circuits, High frequency. J. W. Labus. 1,955,553; Apr. 17.
- Circuits, Hydraulic press operating. W. Ernst. 1,956,758; May 1.
- Circuits, Impedance measuring. H. A. Rhodes and F. A. Cowan. 1,964,141; June 26.
- Circuits, Magnetomotive force. J. L. Finch. 1,957,765; May 8.
- Circuits, Mechanism for controlling electric. F. B. Little. 1,983,236; Dec. 4.
- Circuits, Method of and system for testing multichannel electrical. J. J. Kuhn. 1,961,367; June 5.
- Circuits, Negative conductance. W. V. Roberts. 1,971,919; Aug. 28.
- Circuits, Numeral and letter forming refrigerant. C. C. Andrews. 1,943,883; Jan. 16.
- Circuits, Pentode output. R. A. Braden. 1,947,184; Feb. 13.
- Circuits, Photocell. A. J. McMaster. 1,984,312; Dec. 11.
- Circuits, Protection of electric. A. S. Fitz Gerald. 1,953,800; Apr. 3.
- Circuits, Radio receiving. P. H. Greeley. 1,962,557; June 12.
- Circuits, Railway track. B. Mishelevich. 1,985,577; Dec. 25.
- Circuits, Screen grid relay. W. Buschbeck. 1,974,912; Sept. 25.
- Circuits, Sound transmission. L. M. Applegate. 1,941,591; Jan. 2.
- Circuits, Superheterodyne frequency changing. W. Van B. Roberts. 1,943,458; Jan. 16.
- Circuits, Telegraph signal transmitting. F. S. Kinkead. 1,971,686; Aug. 28.
- Circuits, Thermionic valve. H. J. Round and P. W. Williams. 1,943,459; Jan. 16.
- Circuits, Transmission control. H. W. Dudley. 1,971,679; Aug. 28.
- Circuits, Transmission control. W. A. Knoop. 1,953,487; Apr. 3.
- Circuits, Transmission control. A. C. Norwine. 1,970,334; Aug. 14.
- Circuits, Transmission regulator. H. A. Affel. 1,952,524; Mar. 27.
- Circuits, Transmission regulator. D. K. Gannett. 1,963,198; June 19.
- Circuits, Vacuum tube. R. M. Kalb. 1,970,316; Aug. 14.
- Circuits, Vacuum tube. R. M. Wilmotte. 1,971,089; Aug. 21.
- Circuits, Voice-operated. B. G. Bjornson. 1,952,578; Mar. 27.
- Circuits with thermionic valves, Transmitting. E. Ruspoli. 1,956,134; Apr. 24.
- Circulation equalizer for furnace flues. J. Z. Anderson. 1,985,559; Dec. 25.
- Circulation process and device in sulphite cellulose digestion. S. Svensson. 1,981,759; Nov. 20.
- Circulating system. C. L. Martin. 1,983,043; Dec. 4.
- Circulating system, Thermostatically regulated. W. A. Geise. 1,948,293; Feb. 20.
- Circulation heater. D. J. Howard. Des. 93,717; Oct. 30.
- Circulator. B. Bohnenblust. 1,980,315; Nov. 13.
- Cistern, Flushing. H. Colman. 1,952,583; Mar. 27.
- Clamp: See—
- Air operated clamp.
- Battery clamp.
- Battery terminal clamp.
- Battery terminal post clamp.
- Bedclothes clamp.
- Bedding clamp.
- Belt clamp.
- Bone fracture clamp.
- Bowden wire clamp.
- Brake pipe clamp.
- Brush holding clamp.
- Bus clamp.
- Cable clamp.
- Cloth clamp.
- Clothesline clamp.
- Collar clamp.
- Conductor clamp.
- Conductor releasing clamp.
- Connector clamp.
- Cover clamp.
- Cutter head bit clamp.
- Dental clamp.
- Detachable clamp.
- Display clamp.
- Electric fuse clamp.
- Fluid actuated clamp.
- Form clamp.
- Form tie clamp.
- Fuse clamp.
- Ground clamp.
- Hair waving clamp.
- Hose clamp.
- Jeweler's clamp.
- Lamp attaching clamp.
- License tag fastening clamp.
- Mattress clamp.
- Meat slicer clamp.
- Pipe clamp.
- Pipe swaging clamp.
- Pipe welding clamp.
- Piston clamp.
- Pole clamp.
- Portable clamp.
- Post clamp.
- Pull clamp.
- Reel clamp.
- Releasing or non-releasing clamp.
- Rock drill clamp.
- Rod or pipe clamp.
- Rope clamp.
- Sectional cable clamp.
- Shelf clamp.
- Slip clamp.
- Stamp retaining clamp.
- Supporting clamp.
- Surgical clamp.
- Suspension clamp.
- Terminal clamp.
- Textile clamp.
- Tie clamp.
- Tool clamp.
- Tube clamp.
- Valve testing clamp.
- Wire clamp.
- Wire line clamp.
- Woodworking clamp.
- Clamp. T. Birkenmaier and L. P. Boll. 1,982,281; Nov. 27.
- Clamp. J. T. Cantrell. 1,951,922; Mar. 20.
- Clamp. J. T. Coleman. 1,983,933; Dec. 11.
- Clamp. W. C. Dumke. 1,963,436; June 19.
- Clamp. H. G. Francis. 1,981,499; Nov. 20.
- Clamp. E. J. Hornung. 1,942,600; Jan. 9.
- Clamp. E. Manasek. 1,963,908; June 19.
- Clamp. J. D. Presley. 1,974,628; Sept. 25.
- Clamp. G. W. Rose and J. L. O'Brien. 1,948,134; Feb. 20.
- Clamp. F. H. Sharar. 1,945,000; Jan. 30.
- Clamp. N. Thrasher. 1,954,548; Apr. 10.
- Clamp. G. Walter. 1,973,238; Sept. 11.
- Clamp and anchor means for the plates of rotary printing presses. R. E. Smith. 1,961,797; June 5.
- Clamp and container, Wire. S. P. Becker. 1,950,771; Mar. 13.
- Clamp and drill jig, Work holding. H. W. Mass. 1,954,708; Apr. 10.
- Clamp and elevating control, Interlocked arm. D. C. Klausmeyer and A. M. Sosa. 1,948,618; Feb. 27.
- Clamp and power feed interlock, Column. D. C. Klausmeyer. 1,979,473; Nov. 6.
- Clamp and valve operating means for paint brushes. F. S. Tange. 1,960,071; May 22.
- Clamp attachment for pressing machines. A. Piligian. 1,954,943; Apr. 17.
- Clamp band. L. L. Haas. 1,978,195; Oct. 23.
- Clamp base. R. M. Heintz. 1,955,127; Apr. 17.
- Clamp device for pie pans. H. A. Gamber. 1,966,497; July 17.
- Clamp fastening, Sliding. K. R. Jordan. 1,966,963; July 17.
- Clamp fitting. V. N. Marker and D. McMakin. 1,974,080; Sept. 18.
- Clamp for bell and spigot joints, Adjustable repair. C. E. Norton. 1,951,034; Mar. 13.
- Clamp for cutting machines. R. F. Heyman. 1,957,711; May 8.
- Clamp for dental inlay rings and the like. W. S. Rice. 1,955,343; Apr. 17.
- Clamp for electrical conductors, Welding. J. T. Morgan. 1,952,562; Mar. 27.
- Clamp for electrical induction apparatus, Winding. A. B. Hendricks, Jr. 1,961,761; June 5.
- Clamp for fender flaps. W. C. Jackson. 1,974,461; Sept. 25.
- Clamp for field welding, Self-locking pipe. C. A. Pearson. 1,952,605; Mar. 27.
- Clamp for hosiery driers. H. F. Wanamaker. 1,957,376; May 1.
- Clamp for mobile drills, Electric rail. D. C. Klausmeyer. 1,945,048; Jan. 30.
- Clamp for rail heaters. W. H. Greenfield. 1,980,916; Nov. 13.
- Clamp for slicers. G. R. Wood. 1,954,032; Apr. 10.
- Clamp for slicing machines. W. A. van Berkel. 1,977,462; Oct. 16.
- Clamp for slicing machines. A. van Duyn. 1,960,423; May 29.
- Clamp for wires and cables, Connecting. H. W. Childs. 1,975,683; Oct. 2.
- Clamp interlock, Head and column. D. C. Klausmeyer. 1,967,409; July 24.
- Clamp nut device. A. L. Main. 1,966,414; July 10.
- Clamp or lock for connecting a guy wire and guard. J. Blackburn. 1,965,822; July 10.
- Clamp or splicer for cables, Connecting. J. Blackburn. 1,955,450; Apr. 17.
- Clamping and elevating mechanism, Interlocked arm. D. C. Klausmeyer. 1,976,942; Oct. 16.
- Clamping device. E. H. Brunner. 1,944,166; Jan. 23.
- Clamping device. C. Burkhardt. 1,948,329; Feb. 20.
- Clamping device. W. B. Goff and G. F. Delgado. 1,959,713; May 22.
- Clamping device. T. H. Howe. 1,958,667; May 15.
- Clamping device. R. Marogg. Re19,304; Sept. 4.
- Clamping device. R. Marogg. 1,947,607; Feb. 20.
- Clamping device. F. W. Sizer. 1,983,050; Dec. 4.
- Clamping device for printing plates. S. W. Marvin. 1,960,678; May 29.
- Clamping device for ropes, cables, or the like. M. H. S. Affleck and J. M. Duffy. 1,976,533; Oct. 9.
- Clamping device for water-jacketed power tubes. E. A. Leach. 1,944,748; Jan. 23.
- Clamping instrument and using the same. H. D. Furniss. 1,982,207; Nov. 27.
- Clamping jig, Indexed cam-controlled. J. W. Brown, Jr. 1,946,420; Feb. 6.
- Clamping mechanism. W. J. Lowe. 1,946,027; Feb. 6.
- Clamping mechanism for permanent molds. S. W. Jackson. 1,981,596; Nov. 20.
- Clamping mechanism for shoe press. G. Laganas. 1,961,885; June 5.
- Clamping member for clamping the one end of a cord, which is fixedly fastened to the clamping member with the other end. J. G. van den Bel. 1,979,508; Nov. 6.
- Clarification apparatus. G. Raymond, R. A. Morgen, and F. Fair. 1,956,833; May 1.
- Clarifying system for dry cleaning solvents. V. C. Norquist and E. E. Treanor. 1,947,873; Feb. 20.
- Clasp: See—
- Collar clasp.
- Clasp. J. F. Allison. 1,974,765; Sept. 25.
- Clasp. M. Barmache. 1,971,152; Aug. 21.

- Clasp. L. B. Freitag. 1,965,116; July 3.
 Clasp. J. H. McMurray. 1,944,646; Jan. 23.
 Clasp. B. Ogush. 1,980,222; Nov. 13.
 Clasp brake. W. H. Baselt. 1,969,114; Aug. 7.
 Clasp fastening, Sliding. C. J. Crawford. 1,943,111; Jan. 9.
 Clasp for cord bracelets. I. R. Lederer. 1,957,274; May 1.
 Clasp for corsets and the like, Adjustable hook-lacing. J. A. Rice. 1,983,810; Dec. 11.
 Clasp for sanitary napkins. T. E. Hicks. Des. 94,142; Dec. 25.
 Clasp for scarfs, neckties, and the like. A. W. Kapfer. 1,968,401; July 31.
 Clasp, Garment. R. Finkbeiner. 1,962,186; June 12.
 Clasp, Garment. J. W. Sweeney. Des. 92,778; July 10.
 Clasp loop for garters or the like. F. A. Knoll. Des. 94,087; Dec. 18.
 Clasp, Necktie. E. S. Mix. 1,973,009; Sept. 11.
 Clasp, Necktie. E. S. Mix. 1,981,740; Nov. 20.
 Clasp or similar article. A. Furtch. Des. 92,798; July 17.
 Clasp or similar article. A. Furtch. Des. 93,339-40; Sept. 18.
 Clasp, Safety. W. G. Pfeiffer. 1,952,333; Mar. 27.
 Clasp, Tie. E. H. Martin. 1,984,838; Dec. 18.
 Classifier. H. B. Coulter. 1,971,153; Aug. 21.
 Classifier. A. C. Daman. 1,953,672; Apr. 3.
 Classifier. C. Harrell. 1,959,917; May 22.
 Classifier. M. A. Lissman. 1,978,801; Oct. 30.
 Classifier. F. W. MacLennan. 1,977,195; Oct. 16.
 Classifying apparatus, Centrifugal. M. A. Lissman. 1,978,802; Oct. 30.
 Clay and similar materials from stones and other foreign bodies, Apparatus and method for freeing. H. C. Rafetto. 1,966,312; July 10.
 Clay burning furnace. J. Hansen. 1,969,979; Aug. 14.
 Clay column, Slotting. J. B. Whitacre. 1,957,056; May 1.
 Clay for transportation and handling, Treating. W. S. Wilson. 1,942,196; Jan. 2.
 Clay insulation for metallurgical apparatus. Cellular. C. E. Williams and J. D. Sullivan. 1,982,490; Nov. 27.
 Clay pin drying and cutting machine. W. W. Irwin. 1,975,547; Oct. 2.
 Clay product and making the same. H. Reiser. 1,945,232; Jan. 30.
 Clay products, Apparatus for pressing. A. E. Guskea. S. Homa, and J. Schultz. 1,945,399; Jan. 30.
 Clay products, Machine for forming. M. Mueller. 1,969,028; Aug. 7.
 Clay products, Making cellular. C. S. Matheny. 1,980,954; Nov. 13.
 Clay, Sterile modeling. L. W. Sexton. 1,979,016; Oct. 30.
 Clay working machine. K. R. Forry. 1,981,265; Nov. 20.
 Clay working machine. R. T. Voris. 1,981,257; Nov. 20.
 Clays, Expansive burning of. F. W. Butterworth, I. N. Doughty, and I. R. Cline. 1,960,571; May 29.
 Clays, Revivification of spent. A. E. Buell. 1,945,215; Jan. 30.
 Cleanout for stove pipes or elbows. G. Madro. 1,943,482; Jan. 16.
 Clean-out means for burner connections. L. S. Chadwick and C. J. Kessler. 1,975,192; Oct. 2.
 Clean-out mechanism. L. E. Jones. 1,946,023; Feb. 6.
 Clean-out mechanism for fruit treating apparatus. L. E. Jones. 1,946,022; Feb. 6.
 Clean-out plug. E. W. N. Boosey. 1,951,645; Mar. 20.
 Cleaner: See—
 Air cleaner. Flue cleaner.
 Air-method cleaner. Fruit cleaner.
 Bagless vacuum cleaner. Furnace flue cleaner.
 Beer coil cleaner. Hydropneumatic bucket cleaner.
 Belt cleaner. Motor commutator cleaner.
 Boiler cleaner. Nozzle vacuum cleaner.
 Bucket cleaner. Oil cleaner.
 Cesspool cleaner. Pipe cleaner.
 Chimney cleaner. Rake cleaner.
 Condenser cleaner. Seed cleaner.
 Convertible suction cleaner. Spaceboard cleaner.
 Cotton cleaner. Steel wool cleaner.
 Cotton seed cleaner. String bean cleaner.
 Crank case cleaner. Suction cleaner.
 Drain cleaner. Thread cleaner.
 Drain pipe cleaner. Tray cleaner.
 Dust mop or oil mop cleaner. Vacuum cleaner.
 Fabric cleaner. Wall cleaner.
 Floor cleaner. Window cleaner.
 Cleaner and drier, Garment. Windshield cleaner.
 — Lonergan. 1,959,058; May 15.
 Cleaner and duster. S. O. Barstad. 1,966,702; July 17.
 Cleaner and liquid dispensing apparatus, Combined. T. Cappa. 1,981,611; Nov. 20.
 Cleaner and polisher. J. Schmidt. 1,958,720; May 15.
 Cleaner drums for cotton ginning machinery. J. J. Wallace. 1,981,575; Nov. 20.
 Cleaner dust bag, Suction. E. Hofflin. Des. 91,562; Feb. 20.
 Cleaner dust collector, Suction. F. Riebel, jr. 1,970,190; Aug. 14.
 Cleaner for oil burners. D. H. Hill. 1,982,303; Nov. 27.
 Cleaner for sifting screens. H. B. Rice. 1,965,157; July 3.
 Cleaner head. A. B. Cox. 1,984,632; Dec. 18.
 Cleaning and annealing machine. G. Webb. 1,949,438; Mar. 6.
 Cleaning and cut-off device in gasification burners, Combined. S. B. E. Tiber. 1,978,772; Oct. 30.
 Cleaning and polishing. F. J. Bronner. 1,982,285; Nov. 27.
 Cleaning and polishing apparatus. M. H. Bissell. 1,979,527; Nov. 6.
 Cleaning and polishing machine. J. G. Gavalak. 1,978,838; Oct. 30.
 Cleaning apparatus and utilizing filter aid in connection therewith. Dry. J. Gans. 1,981,645; Nov. 20.
 Cleaning apparatus, Dry. L. Angelus and D. L. Baylis. 1,984,513; Dec. 18.
 Cleaning apparatus, Dry. H. Lindenberg. 1,985,376; Dec. 25.
 Cleaning apparatus, Dry. B. L. Newkirk. 1,948,357; Feb. 20.
 Cleaning apparatus for lubricant containers. J. O. Eisinger. 1,960,235; May 29.
 Cleaning apparatus, Suction. J. B. Kirby. 1,949,052; Feb. 27.
 Cleaning apparatus, Suction. E. F. Martinet. 1,970,666; Aug. 21.
 Cleaning appliance. W. Davis, F. Cornet, and R. Coe. 1,966,582; July 17.
 Cleaning composition, Dry. S. Born. 1,944,859; Jan. 23.
 Cleaning device. J. C. Gibbs. 1,957,638; May 8.
 Cleaning device. H. Heller. 1,973,708; Sept. 18.
 Cleaning device. H. W. Hunter. 1,946,321; Feb. 6.
 Cleaning device. H. W. Hunter. 1,969,609; Aug. 7.
 Cleaning device. H. A. Nelson. 1,981,744; Nov. 20.
 Cleaning device. S. Pilato. 1,984,154; Dec. 11.
 Cleaning device. O. S. Tyrrell. 1,959,940; May 22.
 Cleaning device, Dry. H. D. Read and L. C. Neufeld. 1,943,552; Jan. 16.
 Cleaning device, Portable cooling system. R. M. Donohue. Des. 91,768; Mar. 20.
 Cleaning, fumigating, etc., Apparatus for. F. Riebel, jr. 1,961,167; June 5.
 Cleaning implement. S. J. Dunaway. 1,975,451; Oct. 2.
 Cleaning implement. J. R. Mathes. 1,954,641; Apr. 10.
 Cleaning machine. W. E. Sharp. 1,977,649-50; Oct. 23.
 Cleaning machine, Dry. L. E. Anderson. 1,943,504; Jan. 16.
 Cleaning or washing machine, Dry. L. B. Green. 1,948,879; Feb. 27.
 Cleaning pad, Steel wool and soap. G. M. Ricketts. 1,978,169; Oct. 23.
 Cleaning passages, Device for. W. H. Cullen. 1,979,143; Oct. 30.
 Cleaning, polishing, and like purposes, Apparatus for. W. H. Turner. 1,951,851; Mar. 20.
 Cleaning process, Dry. R. A. Morgen. 1,979,399; Nov. 6.
 Cleaning the plates of an electrostatic air or gas cleaner. R. C. Thompson. 1,957,560; May 8.
 Cleansing and polishing preparation. J. A. Tumbler. 1,969,387; Aug. 7.
 Cleansing apparatus for waste water and operating the same. R. Mensing. 1,984,029; Dec. 11.
 Cleansing composition. R. H. Brownlee. 1,946,272; Feb. 6.
 Clearance apparatus for compressors, Adjustable. L. F. Moody. 1,985,642; Dec. 25.
 Cleat, Chassis wiring. H. A. Cook. 1,965,882; July 10.
 Cleat, Detachable sporting shoe mud. W. T. Clark. 1,950,972; Mar. 13.
 Cleat, Roofing. F. C. McClanahan. 1,952,383; Mar. 27.
 Cleat supporting mechanism. H. Paxton. 1,985,055; Dec. 18.
 Cleats, Attaching means for. A. A. Saunders. 1,949,333; Feb. 27.
 Cleats, Making. J. J. Ingels. 1,955,546; Apr. 17.
 Cleaver, Corn. E. W. Hunter. 1,971,222; Aug. 21.
 Clevis connector for plows, Adjustable. H. T. Sone. 1,969,629; Aug. 7.
 Clevis hook. C. Weems. 1,970,479; Aug. 14.
 Click lock. A. Enos. 1,979,374; Nov. 6.
 Climber. J. A. Serene. 1,981,755; Nov. 20.
 Climbing structure. A. B. Horne. Des. 92,309-10; May 22.
 Clinical optical mensuration method and instrument. A. Ames, Jr., and G. H. Gliddon. 1,944,871; Jan. 30.
 Clickers from coal fires, Device for withdrawing. N. A. Johnson. 1,953,681; Apr. 3.
 Clip: See—
 Attaching clip. Positive pressure clip.
 Attaching clip. Revolver cartridge clip.
 Band spring clip. Safety clip.
 Binder clip. Snap-on bearing clip.
 Cartridge clip. Spring terminal clip.
 Contact clip. Soft clip.
 Curl clip. Tenter clip.
 Fuel or carburetor clip. Tile anchoring clip.
 Fuse clip. Tile fastening clip.
 Hose supporter clip. Toggle clip.
 Paper clip. Watch clip.
 Pavement expansion clip. Windshield wiper clip.
 Pen and pencil clip.
 Clip. J. Fielding. 1,979,375; Nov. 6.
 Clip. M. Giesinger. 1,970,450; Aug. 14.
 Clip. C. E. Marshall. 1,970,611; Aug. 21.

- Clip. E. Morehouse and M. W. Moore. 1,967,965; July 24.
- Clip. J. W. Woodruff. 1,981,296; Nov. 20.
- Clip bagging machine. J. D. Thompson. 1,944,041; Jan. 16.
- Clip for cans, Combination opening and display. M. Etherton. 1,949,792; Mar. 6.
- Clip for containers, Cover attaching. C. H. Rollason. 1,954,491; Apr. 10.
- Clip for curtain rods. Pilot. F. A. Brewer and B. Schlachter. 1,953,463; Apr. 3.
- Clip for fish lines. W. I. Hughes. 1,970,752; Aug. 21.
- Clip for metal lath, Tying. R. E. Martin. 1,962,452; June 12.
- Clip for partition plates and the like, Holding. W. S. Hall. 1,961,486; June 5.
- Clip for pens, pencils, and the like, Pocket. S. C. Crocker. Des. 91,765; Mar. 20.
- Clip for steel partition. A. S. Driver. 1,946,675; Feb. 13.
- Clip for writing instruments. W. R. Cuthbert. Re19,346; Oct. 23.
- Clip forming machine, Metallic. C. Sjögren. 1,985,646; Dec. 25.
- Clip or fastener. G. D. Overholtz. 1,953,627; Apr. 3.
- Clip or fastener, Bendable. T. Hutnikow. 1,957,023; May 1.
- Clip or fastening device. R. W. Jenkins. 1,956,219; Apr. 24.
- Clip or similar article, Necktie. J. C. Bagnall. Des. 92,284; May 22.
- Clips, Manufacturing metal. H. L. Greve. 1,941,892; Jan. 2.
- Clipper, Fruit. L. M. Harvey. 1,957,589; May 8.
- Clipper, Grass. E. L. Rasmussen. 1,941,718; Jan. 2.
- Clipper, Hair. M. Andis. 1,974,557; Sept. 25.
- Clipper, Hair. M. F. Johnson. 1,973,631; Sept. 11.
- Clipper, Hair. L. H. LaChance. 1,949,054; Feb. 27.
- Clipper, Hair. J. Oster. 1,956,042; Apr. 24.
- Clipper, Removable jaw orange. A. Kowalski. 1,955,134; Apr. 17.
- Clipper, Thread. W. V. Hershey. 1,979,743; Nov. 6.
- Clippers, Attachment for hair. G. Adelmo. 1,964,019; June 26.
- Cipping machine. D. T. Owen. 1,943,546; Jan. 16.
- Clock. E. L. Carlson. Des. 93,453-4; Oct. 2.
- Clock. I. Dinstman. 1,967,227; July 24.
- Clock. A. Dorsey. 1,950,661; Mar. 13.
- Clock. A. W. Fowler. 1,965,141; July 3.
- Clock. A. W. Fowler. 1,969,975; Aug. 14.
- Clock. J. A. Kent. Des. 94,148; Dec. 25.
- Clock. C. A. Parker. 1,949,942; Mar. 6.
- Clock. A. F. Poole. 1,945,069; Jan. 30.
- Clock. I. Reiner. 1,972,461; Sept. 4.
- Clock, Alarm. I. Florman. 1,983,448; Dec. 4.
- Clock, Alarm. M. Schlenker. 1,967,995; July 24.
- Clock, Alarm. H. E. Warren. 1,979,087; Oct. 30.
- Clock and controlling device, Combined. B. Melkon. 1,955,432; Apr. 17.
- Clock and interval timer. G. M. Browning. 1,982,495; Nov. 27.
- Clock and radio-receiver, Combination. H. R. Van Deventer and J. A. Warren. 1,978,920; Oct. 30.
- Clock and the like, Synchronous electric. A. L. Mansfield. 1,950,898; Mar. 13.
- Clock, Appointment. J. K. Lawler and C. W. Heath. 1,954,212; Apr. 10.
- Clock, Appointment reminder. A. W. Carver and F. M. Hazleton. 1,942,409; Jan. 9.
- Clock, Calendar. M. E. Devan. 1,959,077; May 15.
- Clock, Calendar. G. H. Stephens. 1,985,388; Dec. 25.
- Clock case. J. M. Bars. Des. 93,602; Oct. 16.
- Clock case. R. K. Bevier. Des. 93,646; Oct. 23.
- Clock case. I. W. Kokins. Des. 92,007; Apr. 17.
- Clock case. B. Kogan. Des. 93,114; Aug. 21.
- Clock case. B. Kogan. Des. 93,228; Sept. 4.
- Clock case. B. Kogan. Des. 93,662-3; Oct. 23.
- Clock case. F. Lux. Des. 93,727; Oct. 30.
- Clock case. J. Nickelsen. Des. 92,551; June 19.
- Clock case. J. P. Rainbault. Des. 92,677; July 3.
- Clock case. M. Schlenker. Des. 91,544; Feb. 20.
- Clock case. M. Schlenker. Des. 92,562; June 19.
- Clock case. M. Schlenker. Des. 93,522-3; Oct. 2.
- Clock case. M. Schlenker. Des. 93,945; Nov. 27.
- Clock case and dial, Combined. S. de Vaulchier. Des. 92,949-50; Aug. 7.
- Clock case and dial, Combined. J. Nickelsen. Des. 93,993; Dec. 4.
- Clock case and dial, Combined. J. P. Rainbault. Des. 92,976-7; Aug. 7.
- Clock case and lamp or similar article, Combined. J. Gottlieb. Des. 91,621; Feb. 27.
- Clock case and lamp or similar article, Combined. A. Levy. Des. 91,297; Jan. 2.
- Clock case and lamp or similar article, Combined. A. Levy. Des. 91,563; Feb. 20.
- Clock case and lamp or similar article, Combined. A. Levy. Des. 91,831; Mar. 27.
- Clockcase, Memorial. J. Lesser. Des. 93,027; Aug. 14.
- Clock case or similar article. J. Gottlieb. Des. 91,620; Feb. 27.
- Clock case or similar article. J. Gottlieb. Des. 91,817; Mar. 27.
- Clock case or similar article. J. Gottlieb. Des. 92,128-9; May 1.
- Clock case or similar article. J. Gottlieb. Des. 92,246; May 15.
- Clock case or similar article. J. Gottlieb. Des. 92,599; June 26.
- Clock case or similar article. J. Gottlieb. Des. 92,719; July 10.
- Clock case or similar article. J. Gottlieb. Des. 93,343; Sept. 18.
- Clock dial. A. Eklund. 1,974,357; Sept. 18.
- Clock dial or similar article, Catholic mass. J. F. Stedman. Des. 93,144; Aug. 21.
- Clock dials and the like, Apparatus for illuminating. J. W. Hobbs. 1,941,553; Jan. 2.
- Clock, Electric. C. Battagay. 1,965,763; July 10.
- Clock, Electric. W. M. Brower. 1,983,162; Dec. 4.
- Clock, Electric. A. H. and T. H. Chamberlain. 1,957,694; May 8.
- Clock, Electric. G. F. Harter. 1,945,272; Jan. 30.
- Clock, Electric. B. R. Julian. 1,978,311; Oct. 23.
- Clock, Electric. S. M. Kenerson. 1,957,543; May 8.
- Clock, Electric. R. Knopp. 1,955,588; Apr. 17.
- Clock, Electric. W. P. Loudon. 1,983,092; Dec. 4.
- Clock, Electric. A. H. Neureuther. 1,977,350; Oct. 16.
- Clock, Electric. R. H. Whitehead and W. E. Porter. 1,978,973; Oct. 30.
- Clock, Electrical alarm. W. M. Brower. 1,974,409; Sept. 25.
- Clock, Electrically controlled. C. Battagay. 1,945,989; Feb. 6.
- Clock, Electrically driven. H. Klenzle. 1,943,079; Jan. 9.
- Clock, Electrically driven. O. Neumann. 1,964,857; July 3.
- Clock, Electrically operated. W. Eberhardt and W. F. Herschede. 1,968,932; Aug. 7.
- Clock, Geographical. B. Krzeminski. 1,959,831; May 22.
- Clock, Impulse. G. F. Harter. 1,944,602; Jan. 23.
- Clock, Impulse. G. F. Harter. 1,960,873; May 29.
- Clock, Master. G. Lowkrantz. 1,957,178; May 1.
- Clock mechanism, Electric. J. G. Albright. 1,962,378; June 12.
- Clock mechanism, Electric. C. E. Larrabee. 1,962,744; June 12.
- Clock mechanism for automobiles and the like. W. H. Whitehead and W. E. Porter. 1,946,890; Feb. 13.
- Clock motor, Self starting subsynchronous. B. E. Lenehan. 1,957,275; May 1.
- Clock, Motor vehicle. U. L. Sundblad. 1,969,241; Aug. 7.
- Clock movement, Synchronized spring. C. Finch. 1,976,663; Oct. 9.
- Clock, Program. H. W. Sanford and F. H. Thomas. Des. 92,041; Apr. 17.
- Clock, Pull-wind. R. H. Whitehead and J. F. Langbein. 1,954,658; Apr. 10.
- Clock, Schedule signal. J. L. Crozier. 1,982,982; Dec. 4.
- Clock, Self-oscillating electric. C. Battagay. 1,965,762; July 10.
- Clock setting device, Electric. W. J. Aldis. 1,954,660; Apr. 10.
- Clock setting mechanism. F. C. Carroll. 1,964,379; June 26.
- Clock-setting mechanism, Airplane. O. F. Deck. 1,951,010; Mar. 13.
- Clock, Signal. E. A. Wick. 1,960,521; May 29.
- Clock, Sustaining-power synchronous electric etc. J. W. and L. W. Hansen, and I. N. Hurst. 1,971,182; Aug. 21.
- Clock system. A. Deibele. 1,973,337; Sept. 11.
- Clock system, Synchronous motor. G. F. Harter. 1,979,326; Nov. 6.
- Clock system of the series type, Synchronized. R. C. Allen. 1,954,781; Apr. 17.
- Clock, Synchronized. R. C. Allen. 1,954,780; Apr. 17.
- Clock, Synchronous motor driven. M. Knobel. 1,961,768; June 5.
- Clock, Talking. V. and J. Pinto. 1,977,860; Oct. 23.
- Clock, Wall. L. C. Ludwig. Des. 92,969; Aug. 7.
- Clock, Watchman's. J. P. Brondello. 1,963,290; June 19.
- Clock-winding mechanism. F. Schneider. 1,958,350; May 8.
- Clock winding mechanism, Automatic. H. W. Korfhage. 1,952,030; Mar. 20.
- Clock with individual rectifier, Alternating current and direct current secondary. J. W. Bryce. 1,944,592; Jan. 23.
- Clod breaker. J. W. Kunkel. 1,978,313; Oct. 23.
- Clogging of coin controlled devices, Preventing. C. J. Phare. 1,965,858; July 10.
- Closet. H. E. Hartwell. 1,972,774; Sept. 4.
- Closet and folding table, Combined. T. Bailey. 1,949,405; Mar. 6.
- Closet appliance, Water. F. Guidetti. 1,962,014; June 5.
- Closet bowl, Water. C. H. Zwermann. 1,981,020; Nov. 20.
- Closet bowl and tank structure. C. H. Zwermann. 1,970,789; Aug. 21.
- Closet, Dry. M. B. Wiley. 1,945,841; Feb. 6.
- Closet or wardrobe. J. N. Lowe. 1,984,193; Dec. 11.
- Closet, seat, and table, Combination. T. Bailey. 1,949,404; Mar. 6.
- Closet seat hinge. C. R. W. Edgecumbe. 1,975,570; Oct. 2.
- Closet set. E. A. Zundel. 1,949,442; Mar. 6.
- Closing device. J. M. Patterson. 1,959,384; May 22.
- Closing device for tins. K. F. A. Reiche. 1,950,065; Mar. 6.
- Closing device, Mechanism for actuating. B. F. Quintillan. 1,952,821; Mar. 27.

- Closing means for collapsible tubes. J. Lacher. 1,945,612; Feb. 6.
- Closure. C. B. F. Brill. 1,977,302; Oct. 16.
- Closure. J. P. Burke. 1,972,087; Sept. 4.
- Closure. L. R. N. Carvalho. 1,971,307; Aug. 21.
- Closure. H. C. Coppins. 1,949,530; Mar. 6.
- Closure. A. S. Karper. 1,952,627; Mar. 27.
- Closure. D. R. MacKenzie. 1,944,355; Jan. 23.
- Closure. M. A. Pixley. 1,983,098; Dec. 4.
- Closure. L. K. Snell. 1,946,768; Feb. 13.
- Closure. H. Wainwright. 1,963,635; June 19.
- Closure. F. S. Zaisser. 1,971,670; Aug. 28.
- Closure. F. S. Zaisser. 1,976,319; Oct. 9.
- Closure. C. A. Zarobsky. 1,962,376; June 12.
- Closure and making the same. J. Rutherford, jr. 1,967,725; July 24.
- Closure and method and apparatus for applying same. G. W. Booth. 1,956,213; Apr. 24.
- Closure and seal therefor. J. G. Le Pere. 1,979,274; Nov. 6.
- Closure, Automatic. T. S. McIntire. 1,952,178; Mar. 27.
- Closure, Bag. W. N. Baker. 1,968,981; Aug. 7.
- Closure cap. K. E. Stant. 1,969,928; May 29.
- Closure cap for collapsible tubes, Permanently attached. V. G. Schneible. 1,975,481; Oct. 2.
- Closure cap for containers. R. Thomson. 1,975,878; Oct. 9.
- Closure cap or similar article. J. R. Fleisch. Des. 93,650; Oct. 23.
- Closure cap, Spring-pressed. M. Metal. 1,955,593; Apr. 17.
- Closure construction, Screened. S. B. Zimmer. 1,959,514; May 22.
- Closure control, Automatic. E. G. Staude. 1,972,695; Sept. 4.
- Closure device. A. J. Marschall. 1,947,915; Feb. 20.
- Closure device. L. K. Snell. 1,960,354; May 29.
- Closure device for headers. R. K. Hopkins. 1,962,901; June 12.
- Closure device for metallic container opening. J. W. Shera. 1,982,144; Nov. 27.
- Closure device for metallic containers. J. W. Shera. 1,964,603; June 26.
- Closure device for metallic containers. J. W. Shera. 1,982,145; Nov. 27.
- Closure fastener. G. M. Thoennes. 1,963,180; June 19.
- Closure fastener. A. Turcotte. 1,941,641; Jan. 2.
- Closure fastener. W. H. Wrye. 1,958,652; May 15.
- Closure fastener, Multiple operated. M. F. Carr. 1,960,202; May 22.
- Closure for bags. F. F. Henriot. 1,973,255; Sept. 11.
- Closure for bags and the like. W. Case. 1,972,130; Sept. 4.
- Closure for bottles and analogous receptacles. W. E. Smiley. 1,975,378; Oct. 2.
- Closure for bottles and other receptacles. G. W. Horner. 1,978,946; Oct. 30.
- Closure for bottles containing oil and oil compounds. A. H. Warth. 1,967,459; July 24.
- Closure for cans and like containers. P. D. Hartog. 1,958,431; May 15.
- Closure for cans and the like. P. D. Hartog. 1,959,206; May 15.
- Closure for coffee containers and the like, Combined measuring and dispensing. F. J. Euler. 1,962,812; June 12.
- Closure for collapsible tubes. A. M. Hennen. 1,951,610; Mar. 20.
- Closure for collapsible tubes. A. A. Scott. 1,963,870; June 19.
- Closure for collapsible tubes. R. E. Verge. 1,976,867; Oct. 16.
- Closure for containers. B. R. Bogaues. 1,958,414; May 15.
- Closure for containers. P. D. Hartog. 1,958,432-4; May 15.
- Closure for containers. E. A. Johnston. 1,956,764; May 1.
- Closure for containers. H. P. Lewis. 1,949,802; Mar. 6.
- Closure for containers. A. McDowell. 1,952,813; Mar. 27.
- Closure for containers. H. J. Schroeder. 1,969,822; Aug. 14.
- Closure for containers and the like. L. A. Samstag. 1,955,835; Apr. 24.
- Closure for containers and the like and making the same. F. O'L Killorin. 1,974,252; Sept. 18.
- Closure for doors, Automatic space. W. J. McGarr. 1,956,127; Apr. 24.
- Closure for heaters. C. Klaus. 1,977,482; Oct. 16.
- Closure for liquid containers. M. Klusch. 1,942,714; Jan. 9.
- Closure for liquid fuel tanks and barrels. W. J. Oxley and L. M. Frank. 1,982,066; Nov. 27.
- Closure for metallic containers and the like. P. H. Schmitz and J. W. Bentley. 1,956,135; Apr. 24.
- Closure for metallic containers, Fluid-tight glass. G. Vitale. 1,975,703; Oct. 2.
- Closure for outlet ends of dispensing receptacles, Automatic. G. B. Anderson. 1,973,459; Sept. 11.
- Closure for receptacles. C. Newman and W. O. Roach. 1,967,722; July 24.
- Closure for receptacles. W. Shippee. 1,965,812; July 10.
- Closure for tank fill pipes. J. B. Lancaster. 1,978,314; Oct. 23.
- Closure for tanks, radiators, and the like. L. K. Franklin. 1,943,010; Jan. 9.
- Closure for tubes and like containers. P. D. Hartog. 1,958,429-30; May 15.
- Closure for tubular paste and other containers. N. A. Frahm. 1,984,872; Dec. 18.
- Closure for vessels of all kinds, Obtaining an autoclave. P. Plainevaux and J. Antoine. 1,963,675; June 19.
- Closures from a magazine, Method and apparatus for delivering. M. Winterhalter. 1,982,090; Nov. 27.
- Closure, Hinged. J. Morrison. 1,984,077; Dec. 11.
- Closure, Hinged. G. J. Zisch. 1,976,426; Oct. 9.
- Closure means for hermetically sealed jars. R. H. Barnard. 1,956,555; May 1.
- Closure member. J. P. Paca. 1,967,779; July 24.
- Closure, Metal. L. R. N. Carvalho. 1,950,294-5; Mar. 6.
- Closure, Nonrefillable. J. P. Burke. 1,982,786; Dec. 4.
- Closure operating mechanism. E. L. Dunn. 1,970,286; Aug. 14.
- Closure, Paste tube. G. M. Evans. 1,977,937; Oct. 23.
- Closure, Protective. C. A. Scheeler. 1,961,250; June 5.
- Closure, Removable receptacle. A. E. Nunes. 1,961,382; June 5.
- Closure, Replaceable. W. E. Richter. 1,956,747; May 1.
- Closure, Return bend. H. J. Kerr. 1,960,247; May 29.
- Closure, Return bend. M. H. Levy. 1,944,290; Jan. 23.
- Closure ring for bearings. R. R. Searles. 1,957,001; May 1.
- Closure, Sliding. L. G. Jacobson. 1,977,726; Oct. 23.
- Closure to a container, Attaching a. L. D. Titus. 1,976,673; Oct. 9.
- Closures, Making. J. P. Burke. 1,969,777; Aug. 14.
- Closures, Method and apparatus for applying. G. W. Booth. 1,958,214; Apr. 24.
- Closures, Producing. A. H. Warth. Re19,117; Mar. 20.
- Cloth and method thereof, Face. E. A. McCormick. 1,960,210; May 22.
- Cloth, Apparatus for handling webs of. G. B. Quinby. 1,945,981; Feb. 6.
- Cloth board. C. A. Stewart. 1,975,906; Oct. 9.
- Cloth clamp. M. M. Perlstein. 1,942,728; Jan. 9.
- Cloth clasp. A. D. Wiseman. 1,962,851; June 12.
- Cloth, Coated wire. A. Eichengrün. 1,985,771; Dec. 25.
- Cloth cutting machine. J. B. Gury, jr. 1,983,129; Dec. 4.
- Cloth cutting machine. O. I. Judelson. 1,952,209; Mar. 27.
- Cloth display stand. T. R. Chisolm. 1,983,167; Dec. 4.
- Cloth drive and tensioning apparatus for dyeing machines. H. W. Butterworth, jr. 1,959,261; May 15.
- Cloth-drying apparatus. C. Malfet. 1,948,767; Feb. 27.
- Cloth feeder and guider. R. MacFarlane. 1,961,059; May 29.
- Cloth finishing. S. L. Cluett. 1,950,398; Mar. 13.
- Cloth finishing machine. H. A. Shields. 1,954,496; Apr. 10.
- Cloth folding attachment. W. Allen. 1,959,121; May 15.
- Cloth for irons, Cleaning. W. R. Crawford and T. Jonz. 1,978,450; Oct. 30.
- Cloth holder. W. J. Summerbell. 1,971,589; Aug. 28.
- Cloth, Making hair. G. Taylor. 1,949,338; Feb. 27.
- Cloth marking device. W. E. Fitzpatrick. 1,967,528; July 24.
- Cloth measuring drum. J. W. Hogue. 1,981,509; Nov. 20.
- Cloth measuring machine. W. E. Aeschbach. 1,943,711; Jan. 16.
- Cloth, Method and apparatus for treating. H. A. Woodhead. 1,982,720; Dec. 4.
- Cloth, Mop. E. M. McNamara. 1,977,948; Oct. 23.
- Cloth shade testing device. R. B. Smith. 1,974,880; Sept. 25.
- Cloth spreader or expander. A. Isherwood. 1,953,177; Apr. 3.
- Cloth, Supporting wire. H. R. Rafton. 1,947,307; Feb. 13.
- Cloth, Tarnishproof. A. D. Champlin. 1,949,781; Mar. 6.
- Cloth transporting device. C. Feibel. 1,956,149; Apr. 24.
- Cloth winding and unwinding apparatus. P. M. Thompson. 1,958,846; May 22.
- Cloth winding board. H. H. Provence. 1,977,144; Oct. 16.
- Cloth winding rack. C. D. Gaudreau. 1,969,303; Aug. 7.
- Cloth working machine. H. U. Basso. 1,958,359; May 8.
- Cloth working machine. H. U. Basso. 1,958,655; May 15.
- Clothes and the like, Device for drying and airing. E. Peters. 1,953,259; Apr. 3.
- Clothes, Apparatus for suspending. N. A. Rabelos. 1,952,940; Mar. 27.
- Clothes drier. G. M. Gibson. 1,983,750; Dec. 11.
- Clothes drier. S. Hammer. 1,969,510; Aug. 7.
- Clothes drier. J. S. Hoffmire. 1,951,979; Mar. 20.
- Clothes drier. W. E. Putnam. 1,950,997; Mar. 13.
- Clothes drier. L. F. Serpa. 1,949,978; Mar. 6.
- Clothes drying rack. A. C. Heiser. 1,981,268; Nov. 20.
- Clothes-drying rack, Portable indoor. C. L. Houston. 1,946,856; Feb. 13.
- Clothes hanger. S. A. Schneider. 1,979,646; Nov. 6.
- Clothesline. J. A. Turner. 1,960,882; May 29.
- Clothesline anchoring device. C. Librett. 1,984,274; Dec. 11.
- Clothesline arrangement. H. Kozak. 1,979,627; Nov. 6.
- Clothesline attachment. C. H. Reske. 1,944,808; Jan. 23.
- Clothesline clamp. E. Kulhawy. 1,950,895; Mar. 13.
- Clothesline cleaner and preserver. O. A. Nichols and H. R. Killian. 1,962,404; June 12.

- Clothesline device. E. C. Pfeider. 1,963,000; June 12.
 Clothesline hanger. W. H. Urbach. 1,981,482; Nov. 20.
 Clothesline reel. H. Basler. 1,982,042; Nov. 27.
 Clothes-line reel. F. C. Hush. 1,985,727; Dec. 25.
 Clothesline reel. E. M. Patterson. 1,950,745; Mar. 13.
 Clothesline reel and sheave. J. Doherty. 1,974,485; Sept. 25.
 Clothesline support. E. S. Becker. 1,953,210; Apr. 3.
 Clothesline support. W. W. Wallace. 1,960,607; May 29.
 Clothesline tightener. C. J. Schlessner. 1,972,321; Sept. 4.
 Clothesline tightener and pole holder. C. O. Brorby. 1,951,898; Mar. 20.
 Clothesline tower. J. Sala. 1,974,659; Sept. 25.
 Clothespin. A. W. Barkow. 1,978,980; Oct. 30.
 Clothespin. A. Dossenbach. 1,952,366; Mar. 27.
 Clothespin. J. Wareing. 1,963,538; June 19.
 Clothespin novelty. M. F. Lonier. Des. 92,664; July 3.
 Clothes rack. L. H. Bullard. 1,973,521; Sept. 11.
 Clothes to ultra-violet radiation and ozone in laundry operations. Apparatus for subjecting. W. R. Read. 1,948,239; Feb. 20.
 Clothes washer and drier, Combined. P. E. Geldhof. 1,981,501; Nov. 20.
 Clothes washing machine. T. J. Power. 1,979,408; Nov. 6.
 Clothier's rack. J. Tanzer, D. Smith, and J. Arenstein. 1,984,001; Dec. 11.
 Clothing container. I. Blechman. Re19,120; Mar. 27.
 Clothing container. I. Blechman. 1,958,230; May 8.
 Clothing for personal wear, Buoyant. D. H. C. Buxton. 1,956,890; May 1.
 Clutch: See—
 Automatic clutch. Plate clutch.
 Automotive clutch. Pneumatic clutch.
 Centrifugal clutch. Positive friction clutch.
 Centrifugally actuated Power transmission clutch.
 clutch. Reversible reactance clutch.
 Disk clutch. Roller clutch.
 Friction and positive Rotary clutch.
 clutch. Self-locking clutch.
 Friction clutch. Self-opening clutch.
 Hydraulic clutch. Self-releasing clutch.
 Lawn-mower clutch. Servo clutch.
 Magnetic clutch. Shipping container.
 Multiple disk clutch. Slip clutch.
 One revolution clutch. Spring clutch.
 One-way clutch. Synchronizing clutch.
 Overrunning clutch. Transmission clutch.
 Clutch. E. L. Connell. 1,954,620; Apr. 10.
 Clutch. A. A. Conway. 1,973,199; Sept. 11.
 Clutch. W. W. Criley. 1,968,129-30; July 31.
 Clutch. J. O. Fink. 1,942,691; Jan. 9.
 Clutch. H. Ford. 1,955,455; Apr. 17.
 Clutch. G. I. Goodwin. 1,981,505; Nov. 20.
 Clutch. W. W. Harris. 1,964,054; June 26.
 Clutch. R. W. Janda. 1,980,757; Nov. 13.
 Clutch. F. S. Kingston. 1,953,179; Apr. 3.
 Clutch. E. F. Kohl. 1,972,741; Sept. 4.
 Clutch. H. L. Kutter. 1,949,053; Feb. 27.
 Clutch. A. J. Meyer. 1,947,214; Feb. 13.
 Clutch. W. C. Osterholm. 1,980,289; Nov. 13.
 Clutch. W. J. Pearmain. 1,963,277; June 19.
 Clutch. W. J. Pearmain. 1,964,479; June 26.
 Clutch. W. J. Pearmain. 1,967,322; July 24.
 Clutch. W. J. Pearmain. 1,969,149; Aug. 7.
 Clutch. W. J. Pearmain. 1,971,380; Aug. 28.
 Clutch. W. J. Pearmain. 1,985,422-3; Dec. 25.
 Clutch. W. J. Pearmain and L. E. Hodges. 1,978,687; Oct. 30.
 Clutch. A. D. Robbins. 1,972,602; Sept. 4.
 Clutch. C. A. Ruesenberg. 1,952,462; Mar. 27.
 Clutch. R. C. Russell. 1,967,563; July 24.
 Clutch. H. F. Schmidt. 1,969,993; Aug. 14.
 Clutch. B. Starbuck. 1,946,038; Feb. 6.
 Clutch. W. W. Warner. 1,974,322; Sept. 18.
 Clutch. A. F. Welch. 1,948,084; Feb. 20.
 Clutch. E. E. Wemp. 1,944,337; Jan. 23.
 Clutch. E. E. Wemp. 1,978,658; Oct. 30.
 Clutch. C. G. Wennerstrom. 1,949,702; Mar. 6.
 Clutch. W. H. Wineman. 1,984,389; Dec. 18.
 Clutch. R. T. Wise. 1,941,963; Jan. 2.
 Clutch. R. Wishon. 1,979,060; Oct. 30.
 Clutch and bearing for aviation generators. L. A. Hyland. 1,943,321; Jan. 16.
 Clutch and brake control mechanism. F. G. and W. M. Folberth. 1,945,807; Feb. 6.
 Clutch and brake mechanism, Combined. C. W. Archer. 1,966,328; July 10.
 Clutch and brake operating mechanism, Vacuum controlled. E. O. Shreffler and A. D. Lesage. 1,966,768; July 17.
 Clutch and controlling mechanism, Two-way. D. T. Brownlee. 1,954,614; Apr. 10.
 Clutch and electric coasting device, Automatic electromagnetic. J. W. Easter. 1,946,200; Feb. 6.
 Clutch and operating mechanism therefor. I. W. Litchfield. 1,968,155; July 31.
 Clutch and switch, Centrifugal. W. A. Chryst. 1,976,925; Oct. 16.
 Clutch and transmission mechanism. E. S. Bush. 1,947,033; Feb. 13.
 Clutch and transmission mechanism, Multispeed. E. Anderson. 1,951,388; Mar. 20.
 Clutch arrangement for change speed devices. F. C. Thompson. 1,952,954; Mar. 27.
 Clutch construction. C. B. Spase. 1,983,885; Dec. 11.
 Clutch construction. E. E. Wemp. 1,962,797; June 12.
 Clutch construction. J. B. Whitted. 1,948,150; Feb. 20.
 Clutch construction, Over-running. S. C. North. 1,984,490; Dec. 18.
 Clutch control. S. N. Koulichkov and J. J. Drabin. 1,943,534; Jan. 16.
 Clutch control. E. E. Wemp. 1,968,274; July 31.
 Clutch control, Automatic. E. B. Hough. 1,977,912; Oct. 23.
 Clutch control device. J. O. Lifflander. 1,972,685; Sept. 4.
 Clutch control device. E. A. Zadig. 1,967,730; July 24.
 Clutch control for mangles. A. Glock. 1,947,156; Feb. 13.
 Clutch control mechanism. V. W. Kliesrath. 1,982,815; Dec. 4.
 Clutch control mechanism. L. Zimmermann. 1,954,234; Apr. 10.
 Clutch control mechanism, Motor vehicle. E. G. Hill. 1,964,693; June 26.
 Clutch device. J. M. Fadely. 1,949,385; Feb. 27.
 Clutch device for doughnut machines. W. Belshaw. 1,952,355; Mar. 27.
 Clutch device for motor accelerating means. G. L. Miller and J. Mikulasek. 1,973,217; Sept. 11.
 Clutch disk. J. O. Fink. 1,956,828; May 1.
 Clutch facing. C. F. Ogren. 1,964,672; June 26.
 Clutch for can and cover feed mechanism, Automatic. N. Troyer and P. E. Pearson. 1,962,288; June 12.
 Clutch for draw works. L. E. Hodges. 1,985,291; Dec. 25.
 Clutch for free wheel transmission. D. G. Roos. 1,952,461; Mar. 27.
 Clutch for motor vehicles. R. W. Parkinson. 1,950,694; Mar. 18.
 Clutch for tapping attachments. A. G. Lundin. 1,945,053; Jan. 30.
 Clutch for transmission mechanism. C. E. Furgason. 1,966,289; July 10.
 Clutch for wind motors, Expansible. C. A. Pressnall. 1,976,891; Oct. 16.
 Clutch or coupling, Friction. L. Taylor. 1,960,092; May 22.
 Clutch mechanism. C. D. Bailey. 1,949,950; Mar. 6.
 Clutch mechanism. S. F. Briggs. 1,965,878; July 10.
 Clutch mechanism. D. L. Cramp. 1,946,062; Feb. 6.
 Clutch mechanism. G. F. Daly. 1,950,485; Mar. 13.
 Clutch mechanism. H. D. Else. 1,956,417; Apr. 24.
 Clutch mechanism. G. C. File. 1,948,068; Feb. 20.
 Clutch mechanism. J. F. Gaylord. 1,965,117; July 3.
 Clutch mechanism. F. H. Hadfield. 1,943,016; Jan. 9.
 Clutch mechanism. F. A. Jimerson. 1,978,903; Oct. 30.
 Clutch mechanism. J. Mikulasek. 1,947,420; Feb. 13.
 Clutch mechanism. K. W. Paulson. 1,960,547; May 29.
 Clutch mechanism. C. D. Peterson. 1,961,568; June 5.
 Clutch mechanism. R. D. Stevenson. 1,973,671; Sept. 11.
 Clutch mechanism. J. G. Vincent. 1,955,880; Apr. 24.
 Clutch mechanism, Adjustable. G. I. Goodwin. 1,981,504; Nov. 20.
 Clutch mechanism, Automatic. H. H. Vail. 1,941,588; Jan. 2.
 Clutch mechanism for lathe aprons. C. Bouillon. 1,972,373; Sept. 4.
 Clutch mechanism for multiple gear constant mesh transmission. D. J. Tindell and W. H. Goodenough. 1,969,436; Aug. 7.
 Clutch mechanism for power lifts or the like. J. R. Kovar. 1,967,826; July 24.
 Clutch mechanism for transmission. E. A. Thompson. 1,982,769; Dec. 4.
 Clutch mechanism for use with winches. F. Jund. 1,964,762; July 3.
 Clutch mechanism, Friction and positive. R. Berlinger. 1,944,149; Jan. 23.
 Clutch mechanism, Synchronizing. J. M. Crawford. 1,961,340; June 5.
 Clutch mechanism, Vacuum power. H. J. D. and J. H. K. McCollum. 1,952,767; Mar. 27.
 Clutch mounting. J. E. Lindeman. 1,975,961; Oct. 9.
 Clutch operating mechanism. John Anderson. 1,985,394; Dec. 25.
 Clutch operating mechanism. C. O. Guernsey. Re19,071; Feb. 6.
 Clutch operating mechanism. S. B. Haseltine. 1,951,479; Mar. 20.
 Clutch operating mechanism. E. J. Quinn. 1,982,925; Dec. 4.
 Clutch operating mechanism. A. B. Winchell. 1,942,158; Jan. 2.
 Clutch operating mechanism for machine tool feed control devices. H. W. Hunt. 1,954,079; Apr. 10.
 Clutch operating mechanism for tractors. C. H. Lotte. 1,952,267; Mar. 27.
 Clutch pedal lock, Automobile. D. L. Spero. 1,974,198; Sept. 18.
 Clutch plate. T. L. Fawick. 1,964,566; June 26.
 Clutch plate. C. I. Nygard. 1,959,213; May 15.
 Clutch plate. H. V. Reed. 1,952,892; Mar. 27.
 Clutch plate. E. V. J. Tower. 1,971,665; Aug. 28.
 Clutch plate. C. G. Wood. 1,963,187-8; June 19.
 Clutch plate. C. G. Wood. 1,977,368; Oct. 16.
 Clutch plate, Yieldable. L. O. Davis. 1,975,772; Oct. 9.
 Clutch synchronizing device. G. Wirrer and A. D. Robbins. 1,984,618; Dec. 18.
 Clutch throw-out bearing. H. T. Thomas. 1,947,428; Feb. 13.

- Clutch throw-out device, Free wheeling. W. S. James. 1,969,648; Aug. 7.
- Clutch transmission, Automatic roller. G. Blackstock. 1,942,198; Jan. 2.
- Clutch transmission plate. I. Saks. 1,945,382; Jan. 30.
- Clutch transmission. Reversible freewheel. G. Blackstock. 1,942,197; Jan. 2.
- Clutch transmission. Semiautomatic roller. G. Blackstock. 1,947,374; Feb. 13.
- Clutch withdrawal collar. G. E. Stanley. 1,966,146; July 10.
- Clutches. Operating mechanism for. W. G. Doyle. 1,980,790; Nov. 13.
- Clutching device. H. Nepple. 1,944,994; Jan. 30.
- Clutching device. C. A. Rudqvist. 1,965,109; July 3.
- Clutching mechanism. O. E. Fishburn and H. H. Robbins. 1,964,146; June 26.
- Clutching mechanism. E. Neurath. 1,946,177; Feb. 6.
- CO to methyl formate and methanol in liquid phase with alcoholate catalysts, Hydrogenation of. N. D. Scott. 1,946,918; Feb. 13.
- Coach, Combination day and sleeping railroad. A. E. Hutt. 1,945,691; Feb. 6.
- Coach, Combination day and sleeping railroad. A. E. Hutt. 1,977,881; Oct. 23.
- Coach, Double deck. A. W. Cleveland. 1,958,234; May 8.
- Coach, Funeral. E. J. Robertson. 1,971,991; Aug. 28.
- Coal and other carbonaceous materials, Apparatus and process for distilling and treating. H. S. Reed and R. D. Lamie. 1,980,828; Nov. 13.
- Coal and other materials, Apparatus for discharging. A. M. Morison and W. J. Leonard. 1,951,703; Mar. 20.
- Coal and producing powdered coke therefrom, Treating pulverized. F. L. Dornbrook and M. K. Drewry. 1,954,351; Apr. 10.
- Coal and producing the same, Colored. W. A. Holst, Jr. 1,971,683; Aug. 28.
- Coal and product thereof, Treating. N. R. Landon and E. V. Collins, Jr. 1,945,371; Jan. 30.
- Coal and tar distillation. S. P. Miller. 1,942,375; Jan. 2.
- Coal and the like, Apparatus for the dry separation of. E. O'Toole, sr. 1,951,705; Mar. 20.
- Coal and the like, Handling pulverized. J. W. Thomas. 1,970,405; Aug. 14.
- Coal, Apparatus for dry cleaning of. E. O'Toole, sr. 1,949,324; Feb. 27.
- Coal, Apparatus for mining. N. D. Levin. 1,945,744; Feb. 6.
- Coal, Apparatus for mining. E. C. Morgan. 1,953,325; Apr. 3.
- Coal, Apparatus for mining. E. C. Morgan. 1,953,326; Apr. 3.
- Coal, Apparatus for shipping. D. Markle. 1,964,669; June 26.
- Coal, Apparatus for the distillation of. A. J. A. Hérens. 1,978,945; Oct. 30.
- Coal, Apparatus for treating. A. O. Vinz. 1,984,851; Dec. 18.
- Coal auger bit. W. E. Powell. 1,955,768; Apr. 24.
- Coal base for boilers. O. U. Hofmann. 1,967,883; July 24.
- Coal breaker. S. D. Hartshorn. 1,941,603; Jan. 2.
- Coal briquettes, Carbonizing. E. B. A. Zworyer and A. L. Stillman. 1,950,017; Mar. 6.
- Coal burner, Automatic. W. B. Eddison. 1,946,201; Feb. 6.
- Coal carbonizing apparatus. J. B. Jensen. 1,975,396; Oct. 2.
- Coal cleaner and grader, Hydraulic. L. E. Barrett and C. Johnson. 1,980,712; Nov. 13.
- Coal cleaning machine. J. B. Bailey. 1,979,362; Nov. 6.
- Coal, coke, and other solid materials into storage chambers and the like, Charging of. E. G. Blackwell. 1,982,413; Nov. 27.
- Coal, Coking. G. Komarek. 1,946,628; Feb. 13.
- Coal cutting machine and the like. M. S. Moore. 1,980,629; Nov. 13.
- Coal distillation apparatus. E. Kropiwnicki. 1,964,639; June 26.
- Coal drill. S. C. Moon. 1,954,050; Apr. 10.
- Coal drilling apparatus. N. D. Levin. 1,978,369; Oct. 23.
- Coal dust furnace. E. Burg. 1,946,011; Feb. 6.
- Coal from coal cull. Process of and apparatus for separating. E. N. Noll. 1,963,861; June 19.
- Coal from refuse, Method and apparatus for feeding and separating dry. E. O'Toole, sr. 1,950,861; Mar. 13.
- Coal, Imparting a multicolored effect to. H. S. Mork. 1,952,180; Mar. 27.
- Coal loading machine. T. A. Collison. 1,943,235; Jan. 9.
- Coal, Low temperature distillation of. A. V. Abbott. 1,943,291; Jan. 16.
- Coal material. A. Růžicka. 1,965,513; July 3.
- Coal Mining. L. F. Gerdetz. 1,967,115; July 17.
- Coal Mining. E. C. Morgan. 1,953,327; Apr. 3.
- Coal mining apparatus. N. D. Levin and E. F. Muller. 1,971,862; Aug. 28.
- Coal mining machine. J. A. Crumley and G. T. Wall. 1,985,339; Dec. 25.
- Coal mining machine. D. Howell. 1,984,832; Dec. 18.
- Coal mining machine. N. D. Levin. 1,978,366-7; Oct. 23.
- Coal, oils, and the like, Destructive hydrogenation of. H. G. Watts. 1,959,887; May 22.
- Coal pinning and breaking machine. A. J. Lafayette, Jr. 1,945,322; Jan. 30.
- Coal pulverizer. J. B. Townsend. 1,977,501; Oct. 16.
- Coal. Pulverizing of. W. F. Carey and E. F. Brawn. 1,953,847; Apr. 3.
- Coal slurry, Method of and apparatus for treating. B. Norton. 1,948,184; Feb. 20.
- Coal tar materials, Fractionation of. G. L. Parkhurst. 1,960,679; May 29.
- Coal testing apparatus. R. H. Jones. 1,955,962; Apr. 24.
- Coal, Treating. A. Nagelvoort. 1,966,917; May 29.
- Coal washer. J. A. Montgomery. 1,952,277; Mar. 27.
- Coal washer box. B. Norton. 1,960,163; May 22.
- Coal washing machine. J. A. Montgomery. 1,949,174; Feb. 27.
- Coaster. A. M. Lewin, Jr. 1,958,829; May 15.
- Coaster. R. S. Merriman. 1,981,627; Nov. 20.
- Coaster. M. W. Roe. Des. 91,501; Feb. 13.
- Coaster pad. H. B. Collins. 1,971,337; Aug. 28.
- Coaster wagon wheel. L. G. Knapp. Des. 91,887; Apr. 3.
- Coat. J. Baron. Des. 92,332; May 29.
- Coat. R. Orbelliani. 1,969,989; Aug. 14.
- Coat. O. F. Weisend. 1,971,125; Aug. 21.
- Coat and cap, Combined. M. Arst. 1,972,585; Sept. 4.
- Coat and hat hook. T. J. C. Schirmmacher. Des. 93,637; Oct. 16.
- Coat and shirt, Combined. F. M. Steiner. 1,970,985; Aug. 21.
- Coat, Belted. R. Gilbert. 1,941,468; Jan. 2.
- Coat construction. L. E. Pilla. 1,970,817; Aug. 21.
- Coat front structure and making the same. A. M. Krane-fuss. 1,976,669; Oct. 9.
- Coat hanger. C. A. Isaacson. 1,954,244; Apr. 10.
- Coat, Hunting. J. V. Falcon. 1,980,394; Nov. 13.
- Coat, Lady's. H. Weinstein. Des. 93,528-9; Oct. 2.
- Coated article. C. E. Wooddell. 1,966,473; July 17.
- Coated article and preparing the same. C. Dreyfus. 1,950,662; Mar. 13.
- Coated electrolytic product. R. A. Wilkins. 1,963,604; June 19.
- Coated material. H. H. Hopkins. 1,959,363; May 22.
- Coated material. H. H. Hopkins. 1,960,220; May 22.
- Coated material and making same. A. M. Collins and L. L. Larson. 1,967,863; July 24.
- Coated paper. A. F. Owen. 1,982,018; Nov. 27.
- Coated sheet and producing same. D. R. Ward. 1,985,332; Dec. 25.
- Coated surface, Crinkled. K. Toll. 1,969,164; Aug. 7.
- Coating. C. W. Gordon. 1,969,003; Aug. 7.
- Coating. M. Tosterud. 1,946,148; Feb. 6.
- Coating. R. T. Wood. 1,968,922; Aug. 7.
- Coating. H. K. Work. 1,965,684; July 10.
- Coating a filament with oxide. E. F. Lowry. 1,971,076; Aug. 21.
- Coating and drying machine for a continuous sheet of paper and the like. J. Duvall. 1,956,062; Apr. 24.
- Coating and heat treating. A. O. Austin. 1,976,596; Oct. 9.
- Coating and impregnating composition. H. A. Gardner. 1,984,368; Dec. 18.
- Coating and making and applying the same, Protective. W. C. Geer. 1,948,292; Feb. 20.
- Coating and objects coated therewith, Protective. C. S. McDonald, J. F. Putnam, and R. M. McHale. 1,984,649; Dec. 18.
- Coating and product thereof. W. H. Moss. 1,941,709; Jan. 2.
- Coating and the like artificial masses, Manufacture of. W. Pungs and K. Eisenmann. 1,982,881; Dec. 4.
- Coating and the product resulting therefrom. O. Herrmann. 1,979,936; Nov. 6.
- Coating apparatus. F. Coates. 1,956,561-2; May 1.
- Coating apparatus. J. E. Disch. 1,965,631; July 10.
- Coating apparatus. R. L. Griffin. 1,966,093; July 10.
- Coating apparatus. H. T. Hunter. 1,957,961; May 8.
- Coating apparatus. E. H. Merritt. 1,979,758; Nov. 6.
- Coating apparatus. B. C. Skinner. 1,985,843; Dec. 25.
- Coating apparatus, Metallic. N. Lang. 1,952,760; Mar. 27.
- Coating breaking machine. C. C. Willis. 1,953,142; Apr. 3.
- Coating, Coloring and protective. O. Schober. 1,953,508; Apr. 3.
- Coating composition. W. W. Bell. 1,982,280; Nov. 27.
- Coating composition. W. S. Calcott, A. S. Carter, and F. B. Downing. 1,959,408; May 22.
- Coating composition. W. S. Calcott and F. B. Downing. 1,958,418; May 15.
- Coating composition. R. L. Jenkins. 1,974,801; Sept. 25.
- Coating composition. W. Koch. 1,950,894; Mar. 13.
- Coating composition. W. Koch. 1,957,786; May 8.
- Coating composition. W. E. Lawson. 1,967,955; July 24.
- Coating composition. G. H. Mains. 1,976,572; Oct. 9.
- Coating composition. J. Mano. 1,960,250-1; May 29.
- Coating composition. W. S. Melvin. 1,970,704; Aug. 21.
- Coating composition. W. H. Moss and G. W. Seymour. 1,963,142; June 19.
- Coating composition. E. Rotheim. 1,945,998; Feb. 6.
- Coating composition. W. F. Whitescarver and H. H. Hopkins. 1,942,736; Jan. 9.
- Coating composition. W. H. Wright. 1,977,932; Oct. 23.
- Coating composition and film produced thereby. W. H. Moss and B. B. White. 1,941,708; Jan. 2.

- Coating composition and making the same. A. Heck. 1,947,415; Feb. 13.
- Coating composition and making the same. I. Rosenblum. 1,972,905; Sept. 11.
- Coating composition, Antifouling, anticorrosive. J. Mano. 1,960,253; May 29.
- Coating composition, Flowable. G. B. Dunford. 1,948,906; Feb. 27.
- Coating composition, Nonchalking. R. T. Hucks. 1,948,580; Feb. 27.
- Coating composition, Protective. R. D. Bonney and W. S. Egge. 1,968,243; July 31.
- Coating composition, Protective. W. S. Egge and R. D. Bonney. 1,968,244; July 31.
- Coating composition, Protective. V. H. Turkington. 1,954,836; Apr. 17.
- Coating compositions. C. S. Hathaway. 1,956,442; Apr. 24.
- Coating compositions, Manufacturing. A. Heck. 1,947,414; Feb. 13.
- Coating compound. M. B. Parrish. 1,943,926; Jan. 16.
- Coating for incandescent lamps and similar articles, Colored or diffusing. M. Pipkin. Re19,216; June 19.
- Coating for photographic elements, Superficial. C. J. Staud. 1,954,337; Apr. 10.
- Coating for pistons. H. K. Work. 1,975,818; Oct. 9.
- Coating for stereotype matrices. L. G. Walters. 1,974,477; Sept. 25.
- Coating forming device. W. J. McCortney and E. L. Bailey. 1,955,078; Apr. 17.
- Coating implement, Fountain. A. S. Johnson. 1,968,891; Aug. 7.
- Coating in permanent molds, Apparatus for. J. Flam-mang, P. L. Bowser, and H. Ernst. 1,952,200; Mar. 27.
- Coatings, lining, and cementing agent. A. Knelp. 1,965,243; July 3.
- Coating machine. H. L. Chapin. 1,945,519; Feb. 6.
- Coating machine. H. A. Dodge. 1,949,532; Mar. 6.
- Coating machine. W. J. Eisner. 1,964,343; June 26.
- Coating machine. J. B. Hadaway. 1,979,262; Nov. 6.
- Coating machine. C. E. Hood. 1,973,763; Sept. 18.
- Coating machine. A. S. Johnson. 1,962,148; June 12.
- Coating machine. F. D. Kinney. 1,964,065; June 26.
- Coating machine and process. J. E. Smith. 1,951,176; Mar. 13.
- Coating material. M. Croce. 1,948,959; Feb. 27.
- Coating material. K. A. Milar. 1,957,179; May 1.
- Coating material. O. H. Smith. 1,975,179; Oct. 2.
- Coating material applied to a core, Apparatus for treat-ing. H. M. Larsen. 1,947,993; Feb. 20.
- Coating material on a core, Apparatus for treating. F. Martindell. 1,947,478; Feb. 20.
- Coating material useful in the manufacture of artificial leather. A. Fausten. 1,971,398; Aug. 28.
- Coating method. C. H. Dennison. 1,975,195; Oct. 2.
- Coating mold. A. H. Fosdick. 1,956,552; May 1.
- Coating of aluminum. M. Tosterud. 1,946,150; Feb. 6.
- Coating of machine elements. T. R. Rose and H. L. Engle. 1,947,493; Feb. 20.
- Coating of zinc base metals, Anodic. E. C. Truesdale and E. J. Wilhelm. 1,953,997-8; Apr. 10.
- Coating on insulators. Applying a conducting. K. A. Hawley. 1,975,576; Oct. 2.
- Coating on paper or similar material. Producing a water-repellent. A. E. Van Wirt. 1,950,279; Mar. 6.
- Coating on vitreous substances and producing it. Elec-trically conducting. J. F. Hyde. 1,964,322; June 26.
- Coating or filling. Metal. A. P. Bixler. 1,960,838; May 29.
- Coating preparation. H. Schladebach and H. Hähle. 1,979,645; Nov. 6.
- Coating, Protective. N. S. Kocher. 1,958,706; May 15.
- Coatings, Apparatus for equalizing enamel. J. Winkler. 1,978,121; Oct. 23.
- Coatings of glass. Producing colored. N. Kreidl. 1,947,781; Feb. 20.
- Coatings, Preparing rapidly drying. E. Elbel and F. Selter. 1,963,973; June 26.
- Coatings to articles, Apparatus for applying. H. W. Hickley. 1,966,980; July 17.
- Coatings to electric conductors. Device for applying. A. P. Hinsky. 1,956,576; May 1.
- Coatings to electric conductors. Device for applying. A. P. Hinsky. 1,957,212; May 1.
- Cobalt-molybdenum alloys. W. Köster. 1,949,313; Feb. 27.
- Cobalt titanate and making same. W. J. Cauwenberg. 1,969,061; Aug. 7.
- Cobble removal from push benches. C. W. Littler. 1,982,677; Dec. 4.
- Cock and burner, Gas. P. S. Harper. 1,964,288; June 26.
- Cock, Ball. H. D. Clemmons. 1,981,904; Nov. 27.
- Cock, Blow-off. V. E. McCoy. 1,961,157; June 5.
- Cock, Cylinder. H. J. and H. T. McLain. 1,958,091; May 8.
- Cock device, Angle. F. A. Hume. 1,967,309; July 24.
- Cock device, Angle. A. A. Mackert. 1,984,887; Dec. 18.
- Cock device, Locking angle. S. G. Down. 1,980,325; Nov. 13.
- Cock, Diaphragm. W. C. Landis. 1,976,851; Oct. 16.
- Cock, Double range gas. P. S. Harper. 1,964,287; June 26.
- Cock for fluid pressure conduits. F. L. R. Reure and F. G. Martin. 1,977,592; Oct. 16.
- Cock for use in the pneumatic control of change-speed gears, Multiple-way. C. Penati. 1,973,656; Sept. 11.
- Cock, Gas. O. J. Leins. 1,974,464; Sept. 25.
- Cock, Gas. T. H. Roberts. 1,953,776; Apr. 3.
- Cock-grinding machine. J. Bartos. 1,951,080; Mar. 13.
- Cock, Locking angle. C. C. Farmer. 1,984,870; Dec. 18.
- Cock, Oven gas. J. H. Grayson and W. B. Jenkins. 1,977,552; Oct. 16.
- Cock, Plug. J. R. Johansson. 1,941,839; Jan. 2.
- Cock, Plug. J. C. Martin, jr. Re19,068; Jan. 30.
- Cock, Safety gas. L. Balazinski. 1,941,850; Jan. 2.
- Cock, Steam and water gauge. L. H. Munn. 1,943,941; Jan. 16.
- Cock, Stop. C. H. Sweet and W. C. Erwin. 1,966,807; July 17.
- Cock, Water-supply. O. Lundberg. 1,964,921; July 3.
- Cocktail mixer. M. B. Solomon. Des. 92,629; June 26.
- Cocktail set. E. Kanter. Des. 93,404; Sept. 25.
- Cocktail shaker. H. F. Reichenbach. 1,969,386; Aug. 7.
- Cocktails and the like, Serving. J. B. Nixon. 1,984,030; Dec. 11.
- Cocoa product and making same. J. H. Kellogg and G. L. and W. K. Teller. 1,947,717; Feb. 20.
- Code calling system. W. H. Edwards. 1,976,660; Oct. 9.
- Code receiver, Selective. H. E. Hershey. 1,968,078; July 31.
- Code setting device for signal systems. C. L. Hanel. 1,969,978; Aug. 14.
- Code signaling device, Automatic. A. Von Haase. 1,976,050-1; Oct. 9.
- Code translator mechanism. R. G. Griffith. 1,960,438; May 29.
- Coffee and the like, Method and apparatus for brewing. F. Falla. 1,957,163; May 1.
- Coffee, Apparatus for making. B. Bogoslowsky. 1,978,074; Oct. 23.
- Coffee, Apparatus for making. V. R. Weast. 1,947,687; Feb. 20.
- Coffee bag. S. M. Moriya. 1,983,142; Dec. 4.
- Coffee-beans by steam, Treatment of. E. A. Closmann, F. A. Vorsatz, and K. A. Kasper. 1,972,184; Sept. 4.
- Coffee beans, Decaffeinating. H. K. Wilder. 1,977,416; Oct. 16.
- Coffee beans, Device for the extraction and steaming of raw unroasted. E. A. Closmann. 1,973,247; Sept. 11.
- Coffee brewing and percolating device. J. R. Peirce. 1,972,164; Sept. 4.
- Coffee can vacuum attachment. D. R. McCown. 1,978,025; Oct. 23.
- Coffee container, Measure-dispensing. J. Heitman. 1,940,648; Mar. 6.
- Coffee cutting machine. H. G. Woodhead and W. M. Wil-liams. 1,973,836; Sept. 18.
- Coffee dripper. P. Keith. 1,971,490; Aug. 28.
- Coffee, etc. Apparatus for cooling. R. A. Greene. 1,958,301; May 8.
- Coffee extractor. A. T. Smith. 1,963,476; June 19.
- Coffee for the purpose of expelling the caffeine, Treatment of. P. Gilbert. 1,964,814; July 3.
- Coffee infusions and the like, Apparatus for making. J. E. Smith. 1,980,735; Nov. 13.
- Coffee machinery, Ground. S. G. Ecklund. 1,978,573; Oct. 30.
- Coffee maker. A. M. Boever. 1,983,208; Dec. 4.
- Coffee maker. W. C. Coleman. Des. 93,648; Oct. 23.
- Coffee maker. A. F. Fukal. Des. 91,869; Apr. 3.
- Coffee maker. G. D. Macheth. 1,976,620; Oct. 9.
- Coffee maker. A. D. Olds. 1,971,758; Aug. 28.
- Coffee maker. A. O. Samuels. Des. 94,164; Dec. 25.
- Coffee maker. F. E. Wolcott. 1,983,212; Dec. 4.
- Coffee maker. F. E. Wolcott. 1,967,982-3; July 24.
- Coffee maker. F. E. Wolcott. 1,967,986; July 24.
- Coffee maker. F. E. Wolcott. 1,977,365-6; Oct. 16.
- Coffee maker. F. E. Wolcott. Des. 93,957; Nov. 27.
- Coffee maker. Automatic electric drip. A. C. Wilcox. 1,962,165; June 12.
- Coffee maker, Electric. F. E. Wolcott. 1,983,209-10; Dec. 4.
- Coffee making apparatus. R. Ferris. 1,962,493-4; June 12.
- Coffee making apparatus and method. P. Greenwald and L. E. Wolff. 1,931,171; Nov. 20.
- Coffee making apparatus or the like. H. R. Schott. Des. 92,868; July 24.
- Coffee making apparatus or the like. H. H. Schott. Des. 92,880; Aug. 7.
- Coffee making method and apparatus. P. A. Rush. 1,944,303; Jan. 23.
- Coffee, Method and apparatus for roasting. L. S. Maede. Re19,390; Dec. 4.
- Coffepot. P. C. Guntrum. 1,964,151; June 26.
- Coffepot. I. D. Richheimer. 1,965,750; July 10.
- Coffepot. N. B. Wales. 1,982,846; Dec. 4.
- Coffepot, Compound drip. P. A. De Groot. 1,961,631; June 5.
- Coffee pot, cream pitcher, and sugar container, Combined. E. A. Schuelke. Des. 93,854; Nov. 13.
- Coffepot Drip. A. de Sakhnofsky. Des. 92,040; Apr. 17.
- Coffee, Preparation of. H. Heuser. 1,956,290; Apr. 24.
- Coffee, Producing caffeine-free. E. Scheele. 1,957,358; May 1.
- Coffee, Roasting. E. J. Dent. 1,943,211; Jan. 9.
- Coffee, Roasting. J. F. Gilbreath. 1,946,398; Feb. 6.
- Coffee server. L. Guild. Des. 94,133; Dec. 25.
- Coffee table. H. A. Treitel. Des. 93,307; Sept. 11.

- Coffee tablet. H. R. Hall. 1,951,357; Mar. 20.
 Coffey dam. J. E. Cahill. 1,951,293; Mar. 13.
 Cofferdam frame. S. A. Healy, J. J. McShane, and N. Carr. 1,980,055; Nov. 6.
 Coffin. J. Doleman. 1,975,198; Oct. 2.
 Coil. F. H. Heintz. 1,953,712; Apr. 3.
 Coil. W. E. Strait. 1,956,881; May 1.
 Coil and making the same. J. C. Snell. 1,976,895; Oct. 16.
 Coil and switch. Combined inductance. J. M. O'Brien. 1,971,872; Aug. 28.
 Coil. Apparatus for making an electrical. V. G. Apple. 1,944,870; Jan. 30.
 Coil. Balance. A. J. Maslin. 1,979,699; Nov. 6.
 Coil construction. L. O. Parker. 1,956,334; Apr. 24.
 Coil. Cooling. V. R. Rostek. 1,952,609; Mar. 27.
 Coil cord for electric current. C. P. Berolzheimer. Des. 93,325; Sept. 18.
 Coil coupler for radio receiving apparatus. F. M. Frederiksen. 1,961,874; June 5.
 Coil. Electrical. G. Wyss. 1,953,035; Mar. 27.
 Coil electrical measuring instrument. Moving. R. L. Triplett. 1,963,283; June 19.
 Coil for slow electromagnets and reactors. A. B. Rypinski. 1,972,319; Sept. 4.
 Coil for the excitation of rotating field magnets. Formed half. F. Punga and H. Roos. 1,950,268; Mar. 6.
 Coil. Heating and cooling. C. T. Morse and E. L. Hogan. 1,956,872; May 1.
 Coil. Inductance. H. Roder. 1,961,783; June 5.
 Coil. Low capacity inductance. W. Runge. 1,984,433; Dec. 18.
 Coil mounting for high frequency systems. L. A. Hyland. 1,951,361; Mar. 20.
 Coil. Refrigerating. E. S. H. Baars and W. G. E. Rolaff. 1,957,036; May 1.
 Coil. Refrigerating. E. R. Hopkins. 1,966,096; July 10.
 Coil retaining means. H. H. Eaton. 1,949,739; Mar. 6.
 Coil selecting and indicating means for short wave radio apparatus. J. Millen. 1,982,751; Dec. 4.
 Coil separating machine and method. L. A. Shuey. 1,983,642; Dec. 11.
 Coil sticking machine. D. L. Summey. 1,975,756; Oct. 2.
 Coil support. C. D. Knowlton. 1,972,194; Sept. 4.
 Coil switch. B. E. Sherrill. 1,956,207; Apr. 24.
 Coil taping machine. E. Snyder. 1,946,717; Feb. 13.
 Coil. Trip. R. S. C. Seese. 1,941,511; Jan. 2.
 Coil tube. Radiator spiral. W. O. Emmons and J. Williams. 1,960,305; May 29.
 Coil. Water heating. E. D. Betts. 1,958,738; May 15.
 Coil winder and winding a coil. A. Doble. 1,954,802; Apr. 17.
 Coil-winding apparatus. Electrical. B. C. Beittling. 1,948,875; Feb. 27.
 Coil winding machine. W. Ferris. 1,970,998; Aug. 21.
 Coil winding machine. C. H. Franks. 1,966,494; July 17.
 Coil winding machine. W. F. Saul. 1,975,620; Oct. 2.
 Coil winding machine. E. Snyder. 1,944,581; Jan. 23.
 Coil winding machine. E. Snyder. 1,956,632; May 1.
 Coil winding machine. C. H. Thordarson. 1,965,754; July 10.
 Coil wrapping machine. E. W. Collins. 1,981,946; Nov. 27.
 Colled strip holder. J. L. Peet. 1,951,062; Mar. 13.
 Collier. High speed hot. E. B. Hudson. 1,985,501; Dec. 25.
 Colling means for concavo-convex rules. H. A. Farrand. 1,952,979; Mar. 27.
 Coils. Apparatus for making electrical. V. G. Apple. 1,965,330; July 3.
 Coils. Apparatus for making stepped. A. Helgason and W. J. Leidy. 1,964,946; July 3.
 Coils. Method of and mechanism for producing helical. A. E. Reimers. 1,953,502; Apr. 3.
 Coils or other pipes. Apparatus for cleaning beer. E. Döbelmann and J. C. Elide. 1,979,147; Oct. 30.
 Coils provided with a device for adjusting the self-inductance. Screened. H. Rinia. 1,969,819; Aug. 14.
 Coin channel plate. G. A. Long. 1,967,993; July 24.
 Coin channel plates for telephone toll apparatus. G. A. Long. 1,966,413; July 10.
 Coin chute attachment. B. Radtke. 1,966,134; July 10.
 Coin control device for band operating mechanisms. F. R. Coats. 1,972,185; Sept. 4.
 Coin control mechanism. W. J. Martin. 1,973,875; Sept. 18.
 Coin control mechanism. P. Moos. 1,969,025; Aug. 7.
 Coin control mechanism. T. S. Morrissey. 1,983,480; Dec. 4.
 Coin controlled apparatus. E. L. Lipp. 1,981,273; Nov. 20.
 Coin controlled apparatus. J. M. Melick. 1,984,536; Dec. 18.
 Coin controlled device for vending machines. H. Block. 1,957,091; May 1.
 Coin controlled mechanism. J. C. Gallaher and J. P. Quiggins. 1,969,069; Aug. 7.
 Coin controlled mechanism. F. C. Du Grenier. 1,983,073; Dec. 4.
 Coin controlled mechanism for gas and similar meters. E. W. Smith and A. Charles. 1,984,161; Dec. 11.
 Coin controlled switch. B. Clayton and E. L. Lipp. 1,945,343; Jan. 30.
 Coin controlled switch. J. Geis. 1,963,988; June 26.
 Coin controlled switch. L. E. Scott and E. A. Smith. 1,942,618; Jan. 9.
 Coin counting and collecting means. S. Chiger. 1,978,187; Oct. 23.
 Coin detector. G. J. McLaren. 1,975,401; Oct. 2.
 Coin detector. Spurious. C. H. Underwood. 1,947,538; Feb. 20.
 Coin device. W. Federwisch. 1,958,474; May 15.
 Coin freed apparatus for discharging measured quantities of liquid. J. B. Benaiges. 1,977,606; Oct. 23.
 Coin handling machine. A. C. O. Bock. 1,947,456; Feb. 20.
 Coin handling mechanism. H. B. Myers. 1,952,563; Mar. 27.
 Coin holder. H. S. Brigham. 1,949,952; Mar. 6.
 Coin holder. N. H. Swanson. 1,972,365; Sept. 4.
 Coin receptacle cover. P. E. Mills. 1,964,528; June 26.
 Coin receptacle cover. O. A. Shann. 1,984,037; Dec. 11.
 Coin registering receptacle. F. A. Marchioni. 1,969,271; Aug. 7.
 Coin reset time period control device. H. Nehls. 1,957,901; May 8.
 Coin selecting device. J. Gottfried. 1,956,066; Apr. 24.
 Coin selector. G. M. Johns. 1,955,188; Apr. 17.
 Coin separator. Multiple. W. L. Gilchrist and W. L. Hoofnagle. 1,970,005; Aug. 14.
 Coin slide. W. A. Tratsch. 1,941,638; Jan. 2.
 Coin sorting and counting machine. E. Lewis. 1,965,926; July 10.
 Coin sorting machine. A. E. Zierick. 1,979,659; Nov. 6.
 Coin tester and ejector. Electrical. V. T. Comer. 1,963,402; June 19.
 Coin testing. D. W. Troy. 1,964,966; July 3.
 Coin testing and ejecting mechanism for vending machines. B. W. Fry. 1,979,377; Nov. 6.
 Coins or other tokens for genuineness. Testing. T. M. Edison. 1,945,740; Feb. 6.
 Coins or other tokens for genuineness. Testing. F. W. Hoban. 1,945,529; Feb. 6.
 Coins or other tokens for genuineness. Testing. F. W. Hoban. 1,972,097; Sept. 4.
 Coke and combustible gas. Making. W. W. Odell. 1,968,053; July 31.
 Coke and distillate. Producing. F. M. Hess. 1,968,038; July 31.
 Coke and gas. Apparatus for producing. W. A. Riddell. 1,944,192; Jan. 23.
 Coke and gas manufacture. G. J. Nordmeyer. 1,973,909; Sept. 18.
 Coke and obtaining a nitrogen hydrogen mixture. Cooling of. D. Tyrer. 1,959,182; May 15.
 Coke and producer gas. Manufacture of. W. A. Riddell. 1,981,003; Nov. 20.
 Coke by volume. Mechanism for automatically measuring. A. J. Whitcomb. 1,946,120; Feb. 6.
 Coke-oven apparatus. J. van Ackeren. 1,980,018; Nov. 6.
 Coke oven battery. C. Hahn. 1,973,897; Sept. 18.
 Coke oven door machine. C. V. McIntire. 1,966,075; July 10.
 Coke oven machine. C. E. Underwood. 1,979,507; Nov. 6.
 Coke. Quenching hot. F. W. Sperr, jr. 1,973,913; Sept. 18.
 Coke. Treatment of. A. R. Powell. 1,968,311; July 31.
 Colander, rotary. A. F. Larsen. 1,957,025; May 1.
 Cold handle. G. C. Reith. 1,942,493; Jan. 9.
 Coldness and steam under pressure. Simultaneous generation of. E. Koenemann. 1,982,672; Dec. 4.
 Collapsible bit. C. E. Bannister. 1,949,705; Mar. 6.
 Collapsible box. J. Rosenberg. 1,970,918; Aug. 21.
 Collapsible box. M. J. Trautz. 1,962,920; June 12.
 Collapsible box. S. Woronicki. 1,972,396; Sept. 4.
 Collapsible chair. D. E. McQuilkin. 1,942,112; Jan. 2.
 Collapsible chair. J. H. Van Wyck. 1,944,335; Jan. 23.
 Collapsible container. R. J. Cody. 1,947,190; Feb. 13.
 Collapsible container. J. H. Phillips. 1,942,771; Jan. 9.
 Collapsible container. N. L. Ulm. 1,977,869; Oct. 23.
 Collapsible container. A. M. Walstrom. 1,964,099; June 26.
 Collapsible container. C. P. Wellman. 1,955,865; Apr. 24.
 Collapsible container. D. P. Wheeler. 1,977,102; Oct. 16.
 Collapsible display stand. C. C. Nuckols. 1,962,833; June 12.
 Collapsible egg box. S. Reich. 1,980,597; Nov. 13.
 Collapsible garment hanger. C. D. Wood. 1,955,995; Apr. 24.
 Collapsible lug box. G. E. Harrison. 1,967,506; July 24.
 Collapsible reel. F. H. Owens. 1,959,495; May 22.
 Collapsible reservoir holder. J. H. Wohlfeld. 1,979,517; Nov. 6.
 Collapsible screen. J. S. and R. D. Culp. 1,954,402; Apr. 10.
 Collapsible seat. J. F. Lubey. 1,974,619; Sept. 25.
 Collapsible structure. Air-inflated. R. A. Hood. 1,964,818; July 3.
 Collapsible table. R. H. Gwynn. 1,977,848; Oct. 23.
 Collapsible table. G. C. McKenney. 1,961,241; June 5.
 Collapsible table. E. Roos. 1,979,843; Nov. 6.
 Collapsible tube. M. M. L. Burrell. 1,947,376; Feb. 13.
 Collapsible tube. G. W. Johnson. Des. 92,135; May 1.
 Collapsible tube. P. W. Morrow. 1,975,967; Oct. 9.
 Collapsible tube. A. H. Otten. 1,960,393; May 29.
 Collapsible tube. F. P. Prendergast. 1,972,793; Sept. 4.
 Collapsible tube. J. F. Rabe and F. O. Boos. 1,964,860; July 3.
 Collapsible tube. W. F. Schmalz. 1,942,942; Jan. 9.
 Collapsible tube. E. Socoloff and J. J. Kaufman. 1,941,631; Jan. 2.

- Collar. M. Friedman. 1,952,852; Mar. 27.
 Collar. K. Jenkins. 1,978,531; Oct. 30.
 Collar and neckband, Combined shirt. J. H. Bearman and W. J. Pietras. 1,945,509; Feb. 6.
 Collar and necktie holder, Combined. C. Stickney. 1,947,317; Feb. 13.
 Collar and tie holder. O. R. Whitman. 1,977,331; Oct. 16.
 Collar band, Adjustable. W. Rubinstein. 1,983,309; Dec. 4.
 Collar-button. O. Grotewold. 1,984,640; Dec. 18.
 Collar clamp. F. V. Cherico and A. Kühn. 1,958,160; May 8.
 Collar clasp. W. H. Schoonmaker. 1,942,904; Jan. 9.
 Collar construction. L. Haven. 1,969,928; Aug. 14.
 Collar, Detachable garment. S. Landorf. 1,960,812; May 29.
 Collar, Double stand-up. P. Frankfurth. 1,975,205; Oct. 2.
 Collar fastener. C. F. Reynolds. 1,955,020; Apr. 17.
 Collar-fastening device. E. B. Newell. 1,953,429; Apr. 3.
 Collar holder. L. H. Fisher and A. E. Galiani. 1,984,969; Dec. 18.
 Collar holder. E. O. Rubel. 1,959,598; May 22.
 Collar, Horse. J. D. Padgett. 1,957,907; May 8.
 Collar positioner, Soft. B. I. Hughes. 1,949,307; Feb. 27.
 Collar pressing machine. W. J. Beattie. 1,980,845; Nov. 13.
 Collar, Stamped. J. Jakobson. 1,972,401; Sept. 4.
 Collar stretching and ironing device. W. M. Chace, jr. 1,968,283; July 31.
 Collar stud. C. Tolk. 1,965,514; July 3.
 Collar support for shirts. W. E. Singleton and W. M. Chace, jr. 1,985,523; Dec. 25.
 Collar, Wing. M. Van Gelder. Des. 92,784; July 10.
 Collars for wear, Apparatus for corrugating. H. S. Hele-Shaw. 1,976,882; Oct. 16.
 Collection indicator. E. M. Selige. 1,971,508; Aug. 28.
 Collector control system. F. E. Lewis. 1,983,940; Dec. 11.
 Collector for sheets of paper. I. Gurwick. 1,981,621; Nov. 20.
 Collet. G. Laughlin. 1,955,642; Apr. 17.
 Collet chuck. G. Laughlin. 1,946,629; Feb. 13.
 Collet chuck. C. W. Olson. 1,981,660; Nov. 20.
 Collet chuck. A. Reimers. 1,947,060; Feb. 13.
 Collet chuck. W. H. Woodward. 1,952,109; Mar. 27.
 Collet, Stock feeding. M. H. Redmer. 1,941,999; Jan. 2.
 Colloid-emulsion dry plates, Making orthochromatic. T. and R. Freundorfer. 1,943,380; Jan. 16.
 Colloidal material and treatment of boiler feed water and the like, Apparatus and process for the production of. O. F. Buss, J. L. Singleton, L. M. Dings, and T. E. Munz. 1,954,796; Apr. 17.
 Colloidal solutions of inorganic substances in polyalcohols and products obtained thereby, Producing. C. H. Von Hoessle. 1,955,211; Apr. 17.
 Colloidal solutions of metals and of metallic compounds in polyalcohols and product obtained thereby, Making. C. H. von Hoessle. 1,969,166; Aug. 7.
 Colloidal suspensions and making same. E. H. Land. 1,951,664; Mar. 20.
 Colonic irrigation apparatus. E. M. de Berri. 1,954,120; Apr. 10.
 Colonic irrigator. A. R. Coons. 1,956,006; Apr. 24.
 Color areas when areas of more than one color are contained in a single photographic or mechanical negative, Separation of. E. P. Mullen. 1,952,771; Mar. 27.
 Color card forming machine, Automatic. H. Sousa, N. T. and S. P. Jensen. 1,962,414; June 12.
 Color cinematography and other photography and means, method and apparatus therefor. J. E. Thornton. 1,966,653; July 17.
 Color combination for hand bags, Detachable. J. A. and M. B. Haynsworth. 1,949,936; Mar. 6.
 Color comparator. G. D. Peet. 1,976,672; Oct. 9.
 Color filter. C. L. Gregory. 1,944,230; Jan. 23.
 Color-filter material and preparation thereof. W. V. D. Kelley. 1,957,045; May 1.
 Color finder and method for the study of painting. A. K. Cross. 1,973,921; Sept. 18.
 Color fountain for web printing presses, Auxiliary. W. J. Morrison and G. C. Spicer. 1,983,987; Dec. 11.
 Color guide for cosmetics. B. H. Freedman. 1,960,669; May 29.
 Color harmonies, Apparatus for determining. J. D. Lealand. 1,964,586; June 26.
 Color lake. H. H. Stocks and F. W. Linch. 1,967,912; July 24.
 Color lakes and preparing the same. C. Immerheiser and B. Zschimmer. 1,956,921; May 1.
 Color lakes, Production of. H. Reindel and A. Ohmer. 1,974,510; Sept. 25.
 Color match guide. R. M. Fletcher and F. H. Lang. 1,958,192; May 8.
 Color or other cinematography. S. G. Short. 1,954,953; Apr. 17.
 Color photographic images by development, Producing. M. W. Seymour. 1,969,479; Aug. 7.
 Color photography. E. A. Weaver. 1,951,043; Mar. 13.
 Color photography objective. A. Oswald. 1,945,977; Feb. 6.
 Color printing press. O. C. Roosen. 1,972,494; Sept. 4.
 Color printing, Process and plate for. B. J. Lewis. 1,980,069; Nov. 6.
 Color producing device. W. T. Lewis and G. Thomas. 1,946,026; Feb. 6.
 Color value, Measuring. L. T. Troland. 1,971,737; Aug. 28.
 Color wedges, Method and apparatus for making. A. D. Slack. 1,981,437; Nov. 20.
 Coloration of materials made of or containing cellulose or cellulose derivatives. R. H. Parkinson. 1,980,429; Nov. 13.
 Coloration of materials made with or containing cellulose acetate. G. H. Ellis and H. C. Olpin. 1,947,038; Feb. 13.
 Colored articles from dispersions of rubber or the like, Manufacture of. D. F. Twiss, E. A. Murphy, and R. G. James. 1,959,557; May 22.
 Colored images, Projecting. M. Assael. 1,963,110; June 19.
 Colored products fast to light, to water, and to weather, Water-insoluble. R. Winkler. 1,958,327; May 8.
 Colorgram and making and using the same. R. Bauer. 1,950,649; Mar. 13.
 Colorimeter. W. E. Reynolds and A. R. Hext. 1,961,913; June 5.
 Coloring. S. Thornley and A. Y. Twemlow. 1,979,505; Nov. 6.
 Coloring agents for glass batches and employing same. A. Silverman. 1,983,151; Dec. 4.
 Coloring materials. Azo. W. Neelmeier, S. Gassner and W. Meiser. 1,976,186; Oct. 9.
 Coloring matter derived from pyrazolones. R. B. Payne and K. F. Conrad. 1,983,045; Dec. 4.
 Coloring matters containing nitrogen, Production of. H. Hopf and R. Schweizer. 1,956,030; Apr. 24.
 Coloring matters, Production of anthraquinone. J. H. Crowell, J. Ogilvie, and D. G. Rogers. 1,960,233; May 29.
 Coloring of textile materials. G. Rivat. 1,968,855; Aug. 7.
 Colors, Apparatus and method for the comparison of. H. H. Sheldon and C. F. Lorenz. 1,971,317; Aug. 21.
 Colors for application to textile fabrics, Decorative. W. H. Adams. 1,948,464; Feb. 20.
 Colors in oil and paints, Accurately blending. D. J. McCrudden, jr. 1,966,987; July 17.
 Colors, Method of and apparatus for determining the intensity of. J. Razez and P. J. Mulder. 1,964,365; June 26.
 Column and frame for floor slabs, Steel. W. H. Wheeler. 1,950,422; Mar. 13.
 Column, Construction. W. A. Kraner. 1,950,801; Mar. 13.
 Columnar structure. J. F. Ferm. 1,959,756; May 22.
 Columns in situ, Apparatus for forming. O. Stern. 1,978,332; Oct. 23.
 Comb. H. J. Ennis. 1,982,136; Nov. 27.
 Comb. S. Goldberg. Des. 91,426; Jan. 30.
 Comb. E. A. Maselli. 1,956,769; May 1.
 Comb and brush, Combination. B. Resnick. 1,985,797; Dec. 25.
 Comb attachment for electric hair clippers. G. Adelmo. 1,957,430; May 8.
 Comb, Bead tip hair tooth. O. Griffin. 1,942,753; Jan. 9.
 Comb, Bendable wave. N. Fulton. 1,943,728; Jan. 16.
 Comb for cutting and thinning the hair. L. Agostini. 1,977,933; Oct. 23.
 Comb for treating dandruff. C. Seaman. 1,958,802; May 15.
 Comb foundation wiring machine. J. E. Will. 1,974,131; Sept. 18.
 Comb, Fountain. C. M. Raemer. 1,956,104; Apr. 24.
 Comb, Hair. N. Fulton. 1,950,667; Mar. 13.
 Comb, Hair. J. C. Robinson. 1,977,920; Oct. 23.
 Comb package. R. J. Dwyer. 1,947,762; Feb. 20.
 Comb, Wave. N. Fulton. 1,959,355; May 22.
 Combining machine. H. Dolder. 1,970,648; Aug. 21.
 Combining machine. J. W. Nasmith. 1,944,944; Jan. 30.
 Combining machine. J. W. Nasmith. 1,971,461; Aug. 28.
 Combining machine. H. Walker. 1,943,707; Jan. 16.
 Combination article. W. D. Smith. 1,975,559; Oct. 2.
 Combination chair. W. A. Thomas. 1,954,604; Apr. 10.
 Combination container. A. I. Behrens. 1,982,780; Dec. 4.
 Combination jack. A. O. Middlemiss. 1,943,737; Jan. 16.
 Combination lock. A. L. Abbott and C. H. Miller. 1,956,304; Apr. 24.
 Combination lock. W. C. N. Duncan. 1,945,424; Jan. 30.
 Combination lock. S. N. Hope and P. F. Drath. 1,971,935; Aug. 28.
 Combination lock. A. C. Jones. 1,952,257; Mar. 27.
 Combination lock. G. Prina. 1,983,773; Dec. 11.
 Combination lock. J. Whiting. 1,946,376; Feb. 6.
 Combination lock bolt. G. Schiemer. 1,942,259; Jan. 2.
 Combination product. R. W. Snyder and J. I. Haase. 1,952,469; Mar. 27.
 Combination receptacle. A. Ondricek. 1,981,604; Nov. 20.
 Combination tool. N. P. Anderholm. 1,965,917; July 10.
 Combination tool. W. H. Batchler. 1,978,124; Oct. 23.
 Combination tool. E. O. Clark. 1,971,974; Aug. 28.
 Combination tool. G. Keller. 1,981,048; Nov. 20.
 Combination tool. A. G. Samways. 1,953,690; Apr. 3.
 Combination tool. J. T. Settles. 1,949,335; Feb. 27.
 Combination tool. P. Ward. 1,983,256; Dec. 4.
 Combination wrench. G. H. Stade. 1,975,025; Sept. 25.
 Combine. R. L. Anderson and A. W. Oehler. 1,950,209; Mar. 6.
 Combine. L. A. Paradise. 1,952,331; Mar. 27.
 Combine. M. Ronning. 1,959,689; May 22.
 Combine harvester. C. A. Grasswick. 1,984,184; Dec. 11.

- Combine, Tillage. R. E. Dunham. 1,947,127; Feb. 13.
 Combined mirror and clock. E. L. Vail. Des. 92,937; July 31.
 Combined salt and pepper shaker. E. Abbe. Des. 92,872; July 31.
 Combined tool. E. W. Deuse. 1,972,920; Sept. 11.
 Combustible mixtures, Apparatus for preparing. J. Černoch. 1,964,620; June 26.
 Combustion. J. F. O. Stratton. 1,984,441; Dec. 18.
 Combustion. A. U. Wetherbee. 1,978,518; Oct. 30.
 Combustion. A. J. Wheeler. 1,966,054; July 10.
 Combustion analyzer. F. A. Holt. 1,957,341; May 1.
 Combustion and heat transferring units and manufacturing the same. P. H. Segnitz. 1,958,803; May 15.
 Combustion apparatus. W. B. Chapman. 1,967,661; July 24.
 Combustion apparatus. L. W. Corbett. 1,974,205; Sept. 18.
 Combustion apparatus. L. W. Corbett. 1,981,947; Nov. 27.
 Combustion apparatus. A. Donald. 1,962,178; June 12.
 Combustion apparatus. R. A. Foresman. 1,950,605; Mar. 13.
 Combustion apparatus. R. A. Foresman. 1,957,583; May 8.
 Combustion apparatus. R. A. Foresman. 1,977,181; Oct. 16.
 Combustion, Apparatus for producing. G. S. Meikle. 1,977,521; Oct. 16.
 Combustion arrangement for oil burners. P. L. Mikeska. 1,983,386; Dec. 4.
 Combustion chamber. G. W. Christoph. 1,958,265; May 8.
 Combustion chamber for Diesel engines. F. Lang. 1,954,083; Apr. 10.
 Combustion chamber for Diesel engines. H. T. Thomas. 1,943,495; Jan. 16.
 Combustion chamber for internal combustion engines. R. N. Janeway. 1,971,913; Aug. 28.
 Combustion closet and flush tank. C. E. Turner, J. R. Beam, and W. K. McAfee. 1,983,419; Dec. 4.
 Combustion control. J. C. Albright. 1,972,968; Sept. 11.
 Combustion control. R. M. Hardgrove. 1,972,990; Sept. 11.
 Combustion control, Method of and apparatus for. E. S. Bristol. 1,949,736; Mar. 6.
 Combustion control system. P. S. Dickey. 1,967,988; July 24.
 Combustion controlling device. C. F. Gardner and E. E. Brass. 1,979,462; Nov. 6.
 Combustion furnace. I. W. Foltz. 1,963,358; June 19.
 Combustion in internal combustion engines, Method and apparatus for effecting. R. P. Pescara. 1,976,630; Oct. 9.
 Combustion regulation. P. C. Temple. 1,977,024; Oct. 16.
 Combustion vapors, Method and apparatus for the detection of. G. P. Luckey and E. F. Bacon. 1,953,244; Apr. 3.
 Comestible product, Multilayer frozen. C. W. Vogt. 1,968,183; July 31.
 Comestibles, Process and apparatus for preparation of frozen. H. M. Hill. 1,951,412; Mar. 20.
 Comestibles, Processing plastic. C. W. Vogt. 1,965,618; July 10.
 Comestibles, Smoking. H. F. Taylor. 1,960,516; May 29.
 Comfort temperature regulator. W. Shurtleff. 1,960,926; May 29.
 Comfortable. L. Goodstein. Des. 93,614; Oct. 16.
 Comfortable or similar article. H. O. Sumergrade. Des. 92,439; June 5.
 Commanding means for lift doors and the like. J. M. Leon. 1,952,555; Mar. 27.
 Commode chair. L. R. Bickel. 1,947,373; Feb. 13.
 Commodities, Distinctively marking. F. C. Wappler. 1,959,699; May 22.
 Commodities, Packaging. L. E. Spear. 1,951,567; Mar. 20.
 Communication by television, Method and system for. V. K. Zworykin. 1,955,899; Apr. 24.
 Communication system. D. Journeaux. 1,977,965; Oct. 23.
 Communication system. G. F. Lampkin. 1,968,528; July 31.
 Communication system. R. E. Mathes. 1,979,484; Nov. 6.
 Communication system. C. A. Portman. 1,957,288; May 1.
 Communication system. M. E. Strieby. 1,950,127; Mar. 6.
 Communication system. C. F. Wolcott, jr. 1,972,964; Sept. 11.
 Communication, System and method of. J. H. Hammond, jr. Re19,107; Mar. 13.
 Communication system, Duplex. A. M. Curtis. 1,948,981; Feb. 27.
 Commutating arrangement for dynamotors. R. F. Franklin. 1,950,170; Mar. 6.
 Commutating method and device. G. T. Southgate. 1,967,135; July 17.
 Commutator. C. H. Thordarson. 1,976,814; Oct. 16.
 Commutator assembling machine. R. W. Baker, J. Q. Holmes and A. W. Phelps. 1,979,434; Nov. 6.
 Commutator insulating ring. L. L. Howard. 1,971,219; Aug. 21.
 Commutator testing apparatus. L. E. Poole. 1,971,426; Aug. 28.
 Commutators, Method of and apparatus for making. V. G. Apple. 1,944,869; Jan. 30.
 Compact. A. F. Reilly. 1,968,349-50; July 31.
 Compact and the like. H. W. Jeffries and A. B. Steward. 1,957,650; May 8.
 Compact, Cleansing-tissue. W. Medoff. 1,953,887; Apr. 3.
 Compact, Cosmetic. W. R. Tuttle and C. W. Stickel. 1,956,936; May 1.
 Compact, Cosmetic. W. R. Tuttle and C. W. Stickel. 1,961,437; June 5.
 Compact, Illuminating. L. W. Lamb and F. D. Moore. 1,978,905; Oct. 30.
 Compact, Lightproof map-reading. E. S. Yanga. 1,976,759; Oct. 16.
 Compact or similar article, Toilet. A. L. Hyde. Des. 92,656; July 3.
 Compact or the like. W. Zipper. Des. 92,224; May 8.
 Compact, Sewing. H. McDonough. 1,943,542; Jan. 16.
 Compartment lock. E. N. Jacobi. 1,965,939; July 10.
 Compass. J. Fischer. 1,958,989; May 15.
 Compass. J. C. Hochman. Des. 91,522; Feb. 20.
 Compass. H. H. Innis. 1,968,556; July 31.
 Compass. J. C. Karnes. 1,973,716; Sept. 18.
 Compass. C. G. Larson. 1,943,921; Jan. 16.
 Compass. E. S. Mix. 1,961,068; May 29.
 Compass. G. A. Salzgeber. 1,973,728; Sept. 18.
 Compass. J. D. Tear. 1,952,899; Mar. 27.
 Compass. S. I. Wendell. 1,945,713; Feb. 6.
 Compass, Alternating current inductor. R. Gunn. 1,976,723; Oct. 16.
 Compass and latitude indicator, Gyroscopic. A. Chessin. 1,969,965; Aug. 14.
 Compass, Ball gyroscopic. R. E. Gillmor. 1,978,425; Oct. 30.
 Compass corrective device, Magnetic. J. L. H. Hand. 1,973,808; Sept. 18.
 Compass for aviation, navigation, and other purposes. E. Vion. 1,961,312; June 5.
 Compass for orientation. A. Niedermann. 1,944,104; Jan. 16.
 Compass, Gyroscopic. R. E. Gillmor. 1,972,882; Sept. 11.
 Compass, Gyroscopic. W. Otto and O. Richter. 1,962,749; June 12.
 Compass, Induction. N. Minorsky. Re19,038; Jan. 2.
 Compass, Inductor. R. Gunn. 1,963,551; June 19.
 Compass, Magnetic. E. Bandoly. Des. 93,531; Oct. 2.
 Compass, Magnetic. W. E. Hull. 1,972,708; Sept. 4.
 Compass, Magnetic. H. N. Lumm. 1,980,415; Nov. 13.
 Compass, Magnetic. G. W. Pickard. 1,946,710; Feb. 13.
 Compass, Magnetic. W. A. Reichel. 1,977,954; Oct. 23.
 Compass, Magnetic. C. L. Seward, jr. 1,933,103; Dec. 4.
 Compass or dip needle, Miner's. W. F. Sprengnether. 1,947,809; Feb. 20.
 Compass or other instrument for belts. E. S. Mix. 1,961,066; May 29.
 Compass, Ray aviation. S. L. Weber, B. Baker, and E. W. Jensen. 1,948,552; Feb. 27.
 Compensated universal joint. M. Villard. 1,945,209; Jan. 30.
 Compensating condenser. S. Cohen. 1,959,814; May 22.
 Compensating device for magnetic compasses. M. M. Titterton. 1,982,405; Nov. 27.
 Compensating device for sealing openings around doors, windows, and the like. F. E. Hufnail and A. C. Hufnail. 1,973,210; Sept. 11.
 Compensating device in measuring apparatus. J. G. Paulin. 1,980,732; Nov. 13.
 Compensating means for cam milling machines. J. C. and R. D. Shaw. 1,971,121; Aug. 21.
 Compensating meter. G. B. Schleicher. 1,957,232-3; May 1.
 Compensating system. C. F. Wagner. 1,963,182; June 19.
 Compensator, Back lash. L. F. Nenninger. 1,976,138; Oct. 9.
 Compensator for paper rolls, Automatic. H. A. W. Wood. 1,942,504; Jan. 9.
 Compensator for wear and lost motion, Automatic. C. E. Wyrick. 1,966,780-1; July 17.
 Compensator sheave. H. V. McCormick. 1,953,119; Apr. 3.
 Complex compound of pentavalent antimony with aliphatic hydroxy carboxylic acids and making the same, Neutral. H. Schmidt. 1,975,803; Oct. 9.
 Compo flooring, wall, etc. H. C. Nielsen. 1,952,509; Mar. 27.
 Component system, Symmetrical. E. Friedländer and O. Schmutz. 1,963,195; June 19.
 Composing machine. L. M. Potts. 1,970,567; Aug. 21.
 Composing machines, System and apparatus for. E. E. Kleinschmidt. 1,970,566; Aug. 21.
 Composite article. B. Bronson. 1,964,903; July 3.
 Composite article and making the same. F. H. Benge. 1,981,771; Nov. 20.
 Composite article and method of making. R. B. Marr. 1,964,384; June 26.
 Composite articles, Making. S. Heintz. 1,978,048; Oct. 23.
 Composite articles, Making. S. Heintz and R. H. Blanchard. 1,978,049; Oct. 23.
 Composite bearing. P. C. Haas. 1,946,790; Feb. 13.
 Composite material. R. H. Cunningham. 1,960,180; May 22.
 Composite material. J. P. Sherman. 1,984,814; Dec. 18.
 Composite panel and producing the same. T. B. Munroe and E. C. Lathrop. 1,942,723; Jan. 9.

- Composite sheet articles, Method and apparatus for making. S. Heintz. 1,969,706; Aug. 7.
- Composite valve. E. M. May. 1,964,687; June 26.
- Composition and material comprising cellulose esters or ethers. A. J. Daly. 1,941,664; Jan. 2.
- Composition and method for use in securing together pieces of stock. F. S. Bacon. 1,959,324; May 15.
- Composition and supply of solid carbonaceous material and liquid binding material to a briquetting press, Method and apparatus for controlling the. E. Zwayer. 1,967,073; July 17.
- Composition board. A. D. Stewart. 1,942,946; Jan. 9.
- Composition board. J. A. Wiener and J. B. Harmon. 1,978,923; Oct. 30.
- Composition building material. L. Krischbraun. 1,984,218; Dec. 11.
- Composition containing chlorinated diphenyl and nitrocellulose. R. L. Jenkins. 1,942,926; Jan. 9.
- Composition containing derivatives of cellulose. W. H. Moss. 1,941,710; Jan. 2.
- Composition for and method of producing airfoam for fire extinguishing purposes. J. B. Treichel. 1,971,997; Aug. 28.
- Composition for dielectric use. F. M. Clark. 1,944,730; Jan. 23.
- Composition for fuse, igniter charges, and the like. H. E. Nash. 1,960,591; May 29.
- Composition for germinating seeds and its preparation. A. L. Clapp. 1,978,102; Oct. 23.
- Composition for moisture- and waterproofing and materials coated therewith. R. L. Jenkins. 1,960,266; May 29.
- Composition for nonflammable cellulosic film. J. F. Walsh and K. Flynn. 1,981,132; Nov. 20.
- Composition for reconditioning wood, abraded spike holes in rail sleepers, or for filling other holes and for similar purposes. S. Krishna. 1,948,422; Feb. 20.
- Composition for softening textile goods. G. Kalischer, J. Nusslein, and R. Müller. 1,981,108; Nov. 20.
- Composition for the impregnation of cable insulation. G. F. Kennedy. 1,946,322; Feb. 6.
- Composition for treating crude fibers and textile fabrics. R. H. Pott. 1,944,367; Jan. 23.
- Composition for treating metal. O. L., H. L., and C. E. Peterson. 1,954,743; Apr. 10.
- Composition friction elements. R. E. Spokes. 1,961,177; June 5.
- Composition material. W. C. Fischer. 1,984,922; Dec. 18.
- Composition material. H. B. Underwood. 1,965,815; July 10.
- Composition of matter. B. C. Bren. 1,961,579; June 5.
- Composition of matter. M. Darrin. 1,962,003-5; June 5.
- Composition of matter. H. B. Dykstra and W. E. Lawson. 1,975,087; Oct. 2.
- Composition of matter. G. F. Hadley. 1,948,756; Feb. 27.
- Composition of matter. B. R. Harris. 1,958,700; May 15.
- Composition of matter. E. H. Hyde and F. D. Hager. 1,946,462; Feb. 6.
- Composition of matter. W. J. Liipfert. 1,943,181; Jan. 9.
- Composition of matter. W. H. Moss. 1,982,227; Nov. 27.
- Composition of matter. D. E. Pearsall. 1,968,907; Aug. 7.
- Composition of matter. E. W. Reid. 1,969,183; Aug. 7.
- Composition of matter. E. G. Touceda. 1,961,626; June 5.
- Composition of matter adapted for cold molding, molded products produced therefrom and making same. C. A. Herbst and J. D. Endriz. 1,982,809; Dec. 4.
- Composition of matter and making same. H. Gray. 1,978,839; Oct. 30.
- Composition of matter and making the same. A. D. Atkin. 1,956,553; May 1.
- Composition of matter and method and steps of making and using the same. M. T. Harvey. 1,950,085; Mar. 6.
- Composition of matter and method and steps of making and using the same. M. T. Harvey. 1,952,313; Mar. 27.
- Composition of matter and preparing the same. E. O. Rhodes and E. H. Hyde. 1,946,446; Feb. 6.
- Composition of matter and preparing the same. J. N. Roche. 1,981,123; Nov. 20.
- Composition of matter and process of treating molten metals. A. H. Davies. 1,945,260; Jan. 30.
- Composition of matter and process of treating molten metals. A. H. Davies. 1,975,084; Oct. 2.
- Composition of matter and process therefor. R. W. E. Leach. 1,977,728; Oct. 23.
- Composition of matter and producing. New. W. M. Billing and J. S. Tinsley. 1,973,693; Sept. 18.
- Composition of matter and producing the same. J. F. Wait. 1,980,119; Nov. 6.
- Composition of matter and the product thereof, Making a new. E. Hey. 1,947,938; Feb. 20.
- Composition of matter containing cellulose acetate and a treated natural resin or gum. N. S. Kocher. 1,973,489; Sept. 11.
- Composition of matter, etc. C. H. Champion. 1,984,173; Dec. 11.
- Composition of matter for making a building unit. A. Hede. 1,981,043; Nov. 20.
- Composition of matter for treating aluminum alloys. W. Bonsack. 1,981,798; Nov. 20.
- Composition of matter suitable for use in flotation. A. Crago and H. S. Martin. 1,968,876; Aug. 7.
- Composition of matter yielding films. E. H. Bucy. 1,965,453; July 3.
- Composition of oils and highly polymerized compounds. A. Eibner, W. O. Herrmann, W. Haehnel, and M. Miller. 1,956,551; May 1.
- Composition on a core, Apparatus for hardening a. F. Martindell and A. D. Miller. 1,947,479; Feb. 20.
- Compositions and solutions for use in dyeing and textile printing. M. Mendoza and A. G. Murray. 1,948,589; Feb. 27.
- Compositions containing an alkyl salicylate and alkali-metal stearate. F. W. Nitardy. 1,951,737; Mar. 20.
- Compositions for removing carbon deposits. C. A. Thomas and C. A. Hochwalt. 1,949,588; Mar. 6.
- Compositions of matter. W. H. Moss. 1,977,642; Oct. 23.
- Compositions of matter and methods and steps of making the same. M. T. Harvey. 1,977,826; Oct. 23.
- Compositions of matter and preparing same. J. H. L. De Bats. 1,951,133; Mar. 13.
- Compositions of matter containing sulphur in colloidal distribution, Producing. H. Kaufmann. 1,949,797; Mar. 6.
- Compositions, Producing. A. G. Ogden. 1,980,287; Nov. 13.
- Compositor's chase, Adjustable. B. E. Hayes. 1,952,067; Mar. 27.
- Compositor's copy rack. B. E. Hayes. 1,980,587; Nov. 13.
- Compound for preparing matrices for printing purposes. R. Junghänel and H. Gross. 1,974,714; Sept. 25.
- Compound for puddings and compounding the ingredients. O. T. Lorenz. 1,954,639; Apr. 10.
- Compound glass. Production of. M. Dunkel and W. Wolff. 1,969,397; Aug. 7.
- Compound having wetting, dispersing, emulsifying, and washing properties, Ether-like constituted. A. Steindorf, K. Daimler, and K. Platz. 1,985,747; Dec. 25.
- Compound of metals with aliphatic polyhydroxy-carboxylic acids and making the same, Complex. W. Traube and F. Kubbier. 1,964,696; June 26.
- Compound of the anthraquinone series. K. Zahn and W. Schultheis. 1,960,564; May 29.
- Compound of the benzanthrone-pyrazolanthrone series and preparing it. K. Wilke, J. Stock, and F. Schubert. 1,943,710; Jan. 16.
- Compound of the carbazole group. R. Michel. 1,972,232; Sept. 4.
- Compound of the polyarylmethyl series and preparing the same. M. Weiler. 1,971,436; Aug. 28.
- Compound steam engine. M. W. Dole. 1,962,986; June 12.
- Compound, Tabbing. L. J. D. Healy. 1,966,389; July 10.
- Compound tool. H. A. Garrett. 1,945,430; Jan. 30.
- Compounds containing carbon, hydrogen, and oxygen, Producing. F. C. Reed. 1,959,219; May 15.
- Compounds having hydrogenated ring systems and preparing them. O. Diels and K. Alder. 1,944,732; Jan. 23.
- Compounds of lead, Securing. P. Gamichon. 1,958,699; May 15.
- Compounds of the anthracene series, Production of valuable. M. A. Kunz, K. Koeberle, and G. Kochendoerfer. 1,982,311; Nov. 27.
- Compounds of the carbazole series. A. Bergdolt and A. Schmelzer. 1,981,301; Nov. 20.
- Compounds of the 1-phenol-2-aminoalcohols-1 series hydroxylated in the phenyl nucleus, Preparing. M. Bockmühl, G. Ehrhart, and L. Stein. 1,948,162; Feb. 20.
- Compounds which are difficultly soluble or insoluble in water, Solubilizing. K. Dachlauer, C. Thomsen, and A. Voss. 1,956,415; Apr. 24.
- Compressed air engine. S. Elliot. 1,954,408; Apr. 10.
- Compressed air motor. J. E. Peltier. 1,982,019; Nov. 27.
- Compression coupling. B. E. Dohner. 1,983,840; Dec. 11.
- Compression members, Reinforcing. A. G. Leake. 1,967,827; July 24.
- Compression or vacuum machine. J. A. Grier. 1,973,063; Sept. 11.
- Compression testing machine. F. D. Abbott. 1,952,523; Mar. 27.
- Compression unit. E. B. Mallory. 1,947,016; Feb. 13.
- Compressor. E. Egli. 1,948,907; Feb. 27.
- Compressor. W. Fourness. 1,973,949; Sept. 18.
- Compressor. C. F. Haunz. 1,974,421; Sept. 25.
- Compressor. J. F. Higbee. 1,980,726; Nov. 13.
- Compressor. S. R. Hirsch. 1,969,076; Aug. 7.
- Compressor. M. R. Hutchison, Jr. 1,942,428; Jan. 9.
- Compressor. G. Lieb and H. Meier. 1,963,024; June 12.
- Compressor. C. F. Nystrom. 1,951,558; Mar. 20.
- Compressor. F. C. Peterson. 1,952,142; Mar. 27.
- Compressor. J. R. Replogle. 1,967,385; July 24.
- Compressor. J. W. Sanford. 1,979,286; Nov. 6.
- Compressor. W. K. Schmidt. 1,943,091; Jan. 9.
- Compressor. M. S. Shepherd and F. C. Wiley. 1,985,841; Dec. 25.
- Compressor. G. P. Springfield. 1,964,679; June 26.
- Compressor. G. E. Tubbs and F. I. Brown. 1,970,260; Aug. 14.
- Compressor. S. Vorech and S. Johnson, Jr. 1,967,001; July 17.
- Compressor and pump. C. W. Sievert. 1,951,173; Mar. 13.
- Compressor apparatus, Turbine driven. A. Lysholm. 1,947,477; Feb. 20.
- Compressor construction for filing drawers. F. L. G. Straubel. 1,983,575; Dec. 11.
- Compressor control apparatus. P. S. Young and R. E. McKenzie. 1,964,281; June 26.
- Compressor control means. J. B. Grosswege. 1,947,712; Feb. 20.

- Compressor controlling device. J. Naab. 1,982,264; Nov. 27.
- Compressor, Fluid. J. H. Dennedy. 1,970,033; Aug. 14.
- Compressor for aircraft brakes, Fluid. C. Sauzedde. 1,978,437; Oct. 30.
- Compressor housing. R. T. and N. F. Cornelius, jr. Des. 91,804; Mar. 27.
- Compressor lubricating system. D. E. Maccabee. 1,965,198; July 3.
- Compressor mechanism. H. A. Gehres. 1,969,507; Aug. 7.
- Compressor, Multistage rotary. W. G. E. Rolaff. 1,983,997; Dec. 11.
- Compressor or pump, Rotary. H. Ogilvie. 1,953,253; Apr. 3.
- Compressor plant. G. F. Maughmer. 1,980,814; Nov. 13.
- Compressor, Rotary. H. M. Badger. 1,977,109; Oct. 16.
- Compressor, Rotary. H. F. Vickers. 1,963,428; June 19.
- Compressor, Sectional rotary. A. Teves. 1,984,664; Dec. 18.
- Compressor structure. F. R. West. 1,961,918; June 5.
- Compressor unit. J. W. Cuthbert. 1,969,999; Aug. 14.
- Compressor unit. J. A. Paasche. 1,958,065; May 8.
- Compressor unit construction. M. R. Karge. 1,969,137; Aug. 7.
- Compressor unloader. C. S. Baker. 1,984,171; Dec. 11.
- Compressors, Arrangement for driving rotary. F. Sass. 1,951,211; Mar. 13.
- Computing and printing machine. O. J. Sundstrand. 1,975,808; Oct. 9.
- Computing and typewriting machine. O. Woodward. 1,963,285; June 19.
- Computing machine. F. A. Hart. 1,973,313; Sept. 11.
- Computing machine. F. A. Hart. 1,982,251; Nov. 27.
- Computing machine. M. L. Zimmer. 1,982,722; Dec. 4.
- Computing machine, Plural-counter. W. A. Anderson. 1,975,774; Oct. 9.
- Computing machine, Plural-counter. O. J. Sundstrand. 1,946,505; Feb. 13.
- Computing mechanism. J. C. Diehl. 1,956,825; May 1.
- Computing system. H. G. Johnstone. 1,952,868; Mar. 27.
- Concealed flush tank. F. D. Reynolds. 1,943,041; Jan. 9.
- Concealed hinge. C. T. Johnson. 1,963,703; June 19.
- Concentrate of true maple flavor. Production of a. L. Skazin. 1,961,714; June 5.
- Concentrating machine. W. C. Rickel. 1,947,877; Feb. 20.
- Concentrating mechanism. M. J. Lide. 1,984,684; Dec. 18.
- Concentrator. M. J. Lide. 1,980,490; Nov. 13.
- Concentrator. C. F. McCleery. 1,985,513-14; Dec. 25.
- Concentrator apparatus. L. Hechenbleikner. 1,969,793; Aug. 14.
- Concentrator, Automatic dry. J. F. Gibson. 1,945,526; Feb. 6.
- Concrete, Acoustical. L. B. Eaton. 1,983,021; Dec. 4.
- Concrete and like plastic materials, Apparatus for treating. C. Jackson. 1,947,941; Feb. 20.
- Concrete and other floor, roof, wall, and the like, Reinforced. M. N. Ridley. 1,971,658; Aug. 28.
- Concrete and other substances, Mixing. H. O. Stamp. 1,983,197; Dec. 4.
- Concrete and the like, Apparatus for working. C. Jackson. 1,948,076; Jan. 9.
- Concrete. Apparatus for agitation of. H. B. Jones. 1,952,922; Mar. 27.
- Concrete block machine. J. Erkman. 1,982,730; Dec. 4.
- Concrete block machine. G. J. Saffert. 1,953,434; Apr. 3.
- Concrete block, Reinforced. J. Lessnig. 1,961,614; June 5.
- Concrete blocks, Making. F. J. Straub. 1,985,115; Dec. 18.
- Concrete building blocks, Apparatus for manufacturing. R. C. Blackman. 1,984,564; Dec. 18.
- Concrete building construction. J. Lasker. 1,957,026; May 1.
- Concrete, Colored. G. R. Tucker. 1,972,207-8; Sept. 4.
- Concrete, Coloring. E. W. Scripture, jr. 1,982,541; Nov. 27.
- Concrete column reinforce joint. B. Bauer. 1,969,774; Aug. 14.
- Concrete construction. M. L. Morse. 1,942,971; Jan. 9.
- Concrete construction, Tropical. J. E. Grant. 1,970,561; Aug. 21.
- Concrete conveying and mixing machine. H. Westberg and L. E. McCormack. 1,953,091; Apr. 3.
- Concrete, Curing. I. S. Reynolds. 1,942,000; Jan. 2.
- Concrete curing cover. E. H. Angier. 1,954,554; Apr. 10.
- Concrete floor and floor blocks, Reinforced. V. Bocchicchio. 1,953,101; Apr. 3.
- Concrete floor construction. C. H. Wolf. 1,964,899; July 3.
- Concrete floor for buildings and the like, Reinforced. H. K. Bates. 1,971,093; Aug. 21.
- Concrete form apparatus. P. Beghetti. 1,950,650; Mar. 13.
- Concrete form construction. A. A. Vincent. 1,958,076; May 8.
- Concrete gas tight, Rendering. H. K. Ihrig. 1,965,646; July 10.
- Concrete in building construction, Emplacing. W. P. Day. 1,970,740; Aug. 21.
- Concrete, Manufacture of porous. W. L. Caldwell. 1,954,117; Apr. 10.
- Concrete, masonry, and steel construction. J. J. O'Reilly. 1,943,036; Jan. 9.
- Concrete, masonry, and steel construction. J. J. O'Reilly. 1,952,887; Mar. 27.
- Concrete mat. W. R. Pierson. 1,983,772; Dec. 11.
- Concrete mixer. J. E. Bushnell. 1,963,952-3; June 26.
- Concrete mixer. D. J. Price. 1,948,226; Feb. 20.
- Concrete mixing and distributing apparatus. F. E. Bager. 1,954,860; Apr. 17.
- Concrete mixing apparatus. A. Knowles. 1,943,325; Jan. 16.
- Concrete mixing method. W. W. Lillard. 1,947,345; Feb. 13.
- Concrete mold construction. O. Roberg. 1,949,083; Feb. 27.
- Concrete mold construction. O. Roberg. 1,974,752; Sept. 25.
- Concrete objects, Apparatus for making. B. S. Clark and J. W. Lowell. 1,984,863; Dec. 18.
- Concrete or similar surfaces, Apparatus for compacting. F. P. Sloan. 1,955,101; Apr. 17.
- Concrete piles, Construction of "in situ". A. Hood. 1,979,547; Nov. 6.
- Concrete pipe construction. B. J. Ukropina. 1,958,872; May 15.
- Concrete pipe construction. B. J. Ukropina. 1,961,263; June 5.
- Concrete pipe coupling. W. A. Kraner. 1,945,279; Jan. 30.
- Concrete pipe joint. B. J. Ukropina. 1,961,262; June 5.
- Concrete pipe joint. B. J. Ukropina. 1,973,967; Sept. 18.
- Concrete pipe joint, Reinforced. B. J. Ukropina. 1,963,512; June 19.
- Concrete pipe machine. B. J. Ukropina. 1,961,260; June 5.
- Concrete pipe making machine. C. C. Quinn and H. Edgerton. 1,983,775; Dec. 11.
- Concrete pipe stripper. B. J. Ukropina. 1,961,261; June 5.
- Concrete poles, Method of and machine for manufacturing. J. F. Ne Page. 1,954,574; Apr. 10.
- Concrete pressure pipe. J. S. Boggs. 1,968,598; July 31.
- Concrete, Process and composition of matter of protecting and coloring. E. W. Scripture. 1,958,397; May 8.
- Concrete reinforcement. C. Weichold. 1,949,924; Mar. 6.
- Concrete roads, Repairing, widening, and resurfacing. J. W. Isett. 1,957,596; May 8.
- Concrete sections and dowel pin covers therefor, Joining. E. H. Angier. 1,946,658; Feb. 13.
- Concrete spreader. A. J. Clausen. 1,974,013; Sept. 18.
- Concrete structure and method of producing, more particularly roadways and the like. H. P. Hayden. 1,955,421; Apr. 17.
- Concrete structure, Protected. J. W. B. Blackman. 1,953,920; Apr. 10.
- Concrete structure, Reinforced. C. H. Roy. 1,985,745; Dec. 25.
- Concrete structures, Apparatus for forming. W. R. Marsden. 1,969,229; Aug. 7.
- Concrete structures, Producing. H. P. Hayden. 1,985,092; Dec. 18.
- Concrete tamping apparatus. T. J. Owen. 1,945,563; Feb. 6.
- Concrete tile and block machine. F. B. Williams. 1,977,257; Oct. 16.
- Concrete wall and reinforcing insert therefor. C. S. Brown. 1,976,832; Oct. 16.
- Concrete wall construction, Unit. H. H. Luehrs. 1,982,217; Nov. 27.
- Condensate extraction system. J. Sim. 1,953,835; Apr. 3.
- Condensate return, High pressure. J. B. Stickley. 1,979,651; Nov. 6.
- Condensates, Method and apparatus for recovery of. K. S. Klapp. 1,979,451; Nov. 6.
- Condensation drainer. R. F. Chevallier. 1,950,227; Mar. 6.
- Condensation process yielding artificial masses of the urea formaldehyde type. W. Pungs and K. Eisenmann. 1,967,685; July 24.
- Condensation process yielding condensation products of the urea formaldehyde type. K. Eisenmann and T. Kollmann. 1,948,343; Feb. 20.
- Condensation product from meta-cresol and acetone, Preparing of a new. J. Jordan, W. Schoeller, and R. Clerc. 1,961,397; June 5.
- Condensation product of amino-substituted arseno compounds. K. Streitwolf, A. Fehrl, P. Fritzsche, and W. Herrmann. 1,973,023; Sept. 11.
- Condensation product of benzoin and naphthol sulphonic acid. F. Felix and J. Scheidegger. 1,965,283; July 3.
- Condensation product of carbohydrates and crude hydrocarbons. Bleached. A. O. Jaeger and H. W. Witzel. 1,941,475; Jan. 2.
- Condensation product of carbohydrates with hydrocarbons and aldehydes, Sulphonated. A. O. Jaeger. 1,961,151; June 5.
- Condensation product of the anthracene series and making same. H. Scheyer. 1,978,062; Oct. 23.
- Condensation product of the pyrenquinone series and preparing it. G. Kranzlein and H. Vollmann. 1,948,926; Feb. 27.
- Condensation product of urea and formaldehyde and making same. K. Ripper. 1,967,261; July 24.
- Condensation product. Polyhydric alcohol-carboxylic organic acid-weak polybasic inorganic phenol-aldehyde. I. Rosenblum. 1,969,761; Aug. 14.
- Condensation products from hydroaromatic ring ketones. E. Korten. 1,969,850; Aug. 14.

- Condensation products from phenols and aldehydes, Hardening. F. Schmidt. 1,978,821; Oct. 30.
- Condensation products from phenols and aldehydes, Preparation of resinous. M. Florenz. 1,982,651; Dec. 4.
- Condensation products, Manufacturing. K. Ripper. 1,972,110; Sept. 4.
- Condensation products, New. M. Weiler, B. Wenk, and H. Stötter. 1,948,894; Feb. 27.
- Condensation products of alpha-ethyl hexene aldehyde and primary amines and producing same. H. A. Morton. 1,944,843; Jan. 23.
- Condensation products of carbohydrate derivatives. J. V. Meigs. 1,982,822; Dec. 4.
- Condensation products of fatty acids and monoethanolamine, Sulphated. J. W. Orelup. 1,981,792; Nov. 20.
- Condensation products of phenol-urea-formaldehyde, Manufacture of water soluble. F. Becherer. 1,982,619; Dec. 4.
- Condensation products of the anthraquinone series. M. A. Kunz and K. Koeberle. 1,952,678; Mar. 27.
- Condensation products of the benzanthrene series and new products obtainable thereby. G. Kraenzlein and M. Corell. 1,947,943; Feb. 20.
- Condensation products of urea and formaldehyde, Production of. M. Luther, W. Pungs, R. Griessbach, and C. Heuck. 1,952,598; Mar. 27.
- Condensation products, Preparing. F. Bitterlich. 1,971,476; Aug. 28.
- Condensation products, Preparing water-soluble. A. Thaus, G. Mauthe, and A. Doser. 1,964,430; Feb. 6.
- Condensation products, Production of resin-like. F. Polak. 1,950,746; Mar. 13.
- Condensation products, Production of resinous. C. Winter and N. Roh. 1,977,979; Oct. 23.
- Condensation waters, Recovering. M. Sainte-Martine. 1,953,491; Apr. 3.
- Condenser: See—
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| Balancing condenser. | Electrolytic condenser. |
| Barometric condenser. | Filter-condenser. |
| By-pass condenser. | Molded dielectric condenser. |
| Capacity condenser. | Nursery soap condenser. |
| Compensating condenser. | Power tractor condenser. |
| Cotton condenser. | Surface condenser. |
| Countercurrent condenser. | Variable air condenser. |
| Dry stack condenser. | Variable condenser. |
| Electric condenser. | Variable tuning condenser. |
| Electrical condenser. | |
- Condenser. A. H. Baer. 1,949,557; Mar. 6.
- Condenser. L. S. Chadwick, M. Resek, and K. W. Rausch. 1,961,815; June 5.
- Condenser. J. T. Curtis. 1,950,352; Mar. 6.
- Condenser. L. M. Forncrook. 1,953,293; Apr. 3.
- Condenser. F. X. Govers. 1,953,678; Apr. 3.
- Condenser. C. Hambuechen and C. E. Peters. 1,959,130; May 15.
- Condenser. P. G. Jacobson. 1,980,485; Nov. 13.
- Condenser. C. R. Neeson. 1,964,890; July 3.
- Condenser. C. F. Rosenblad. 1,956,133; Apr. 24.
- Condenser. H. L. Sklar. 1,973,544; Sept. 11.
- Condenser. S. J. Thomas. 1,950,760; Mar. 13.
- Condenser. H. J. Tyzzer. 1,960,834; May 29.
- Condenser. K. M. Urquhart. 1,952,520; Mar. 27.
- Condenser and making same, Noninductive. L. Kopinski. 1,952,925; Mar. 27.
- Condenser and making the same. L. C. Smith. 1,970,105; Aug. 14.
- Condenser assembly. E. A. Leach. 1,983,379; Dec. 4.
- Condenser assembly jig. M. H. Bennett. 1,979,856; Nov. 6.
- Condenser cleaner. F. W. Fieldhouse. 1,985,156; Dec. 18.
- Condenser construction. E. R. Hanson. 1,974,918; Sept. 25.
- Condenser construction. R. A. Lane. 1,959,372; May 22.
- Condenser construction. F. S. Smith. 1,979,290; Nov. 6.
- Condenser construction, Electric. F. S. Smith. 1,965,007; July 3.
- Condenser controlled follow-up system. B. A. Wittkuhns and F. M. Watkins. 1,970,442; Aug. 14.
- Condenser controls for moving vehicles, Steam. C. B. Faverty. 1,941,885; Jan. 2.
- Condenser for microscope, Dark-field. R. Straubel. 1,951,635; Mar. 20.
- Condenser for refrigerating apparatus. J. Asklin. 1,958,226; May 8.
- Condenser for refrigerating apparatus. H. K. Bergholm and H. M. Ullstrand. 1,946,467; Feb. 13.
- Condenser for refrigerating machines. C. Steenstrup. 1,967,106; July 17.
- Condenser for refrigerating systems. F. R. Erbach. 1,972,765; Sept. 4.
- Condenser induction motor. C. L. Kennedy. 1,958,104; May 8.
- Condenser induction motor. C. L. Kennedy. 1,979,160; Oct. 30.
- Condenser, liquid preheater, and deaerator, Combination vapor. R. E. Skow, V. Ballou, and H. L. McLaughlin. 1,970,821; Aug. 21.
- Condenser speaker. P. E. Edelman. 1,964,977; July 3.
- Condenser system. L. A. Gebhard. 1,955,363; Apr. 17.
- Condenser system for mechanical refrigeration. W. Fourness. 1,943,759; Jan. 16.
- Condenser to a main condenser, Applying a trimming. E. D. Koepping. 1,951,661; Mar. 20.
- Condenser transformer, Multiple. C. O. Cooper and R. L. Johnson. 1,979,190; Oct. 30.
- Condenser winding machine. C. A. Purdy. 1,963,381; June 19.
- Condensers, Apparatus for manufacturing electrical. S. I. Cole. 1,956,916; May 1.
- Condensers, Manufacturing electrostatic. R. E. Carlson. 1,948,331; Feb. 20.
- Condensing and heating apparatus, Portable. H. E. Byer. 1,957,094; May 1.
- Condensing separator. H. H. Hart. 1,953,480; Apr. 3.
- Condiment container. R. Fara. Des. 92,839; July 24.
- Condiment container. C. H. Kreidler. 1,952,016; Mar. 20.
- Condiment container, Individual. D. O. Ford. 1,977,759; Oct. 23.
- Condiment holder. G. D. Burns. 1,979,446; Nov. 6.
- Condiment holder. F. A. Hart. 1,979,198; Oct. 30.
- Condiment holder. J. O. C. Ingold. 1,980,863; Nov. 13.
- Condiment holder. M. R. Massa. 1,965,148; July 3.
- Condition responsive device. H. J. Smith. 1,952,571; Mar. 27.
- Conductor, Air insulated. W. K. Weston. 1,960,036; May 22.
- Conductor and collector ring. W. E. Huffman. 1,953,960; Apr. 10.
- Conductor and the like, Characterized electric. A. P. Hinsky. 1,956,951; May 1.
- Conductor clamp. W. A. Hillebrand. 1,968,888; Aug. 7.
- Conductor connector. S. S. Matthes. 1,977,343; Oct. 16.
- Conductor cord supporting and protecting means. A. C. Gilbert. 1,968,884; Aug. 7.
- Conductor, Electric. C. S. Gordon and E. M. Honan. 1,976,847; Oct. 16.
- Conductor, Electric. E. J. Schneider and M. B. Bradd. 1,948,241; Feb. 20.
- Conductor, Electrical. R. Aceves. 1,944,390; Jan. 23.
- Conductor, Electrical. A. S. Dana and R. B. Norton. 1,956,639; May 1.
- Conductor, Electrical. P. H. Hyser. 1,961,932; June 5.
- Conductor, Electrical. C. L. McCrea. 1,949,169; Feb. 27.
- Conductor, Electrical. J. C. Patrick. 1,981,968; Nov. 27.
- Conductor, Flexible electric. H. A. Staples. 1,984,553; Dec. 18.
- Conductor, Flexible electric. H. A. Staples. 1,984,555; Dec. 18.
- Conductor, Flexible insulated. A. Leib. 1,956,357; Apr. 24.
- Conductor, Insulated. J. A. Kennedy. 1,943,977; Jan. 16.
- Conductor, Insulated. A. M. Lynn. 1,966,509; July 17.
- Conductor, Insulated electric. B. H. Reeves. 1,983,563-4; Dec. 11.
- Conductor, Insulated electrical. J. A. Kennedy. 1,956,721; May 1.
- Conductor, Insulated electrical. B. H. Reeves. 1,946,331; Feb. 6.
- Conductor, Insulated electrical. B. H. Reeves. 1,982,539; Nov. 27.
- Conductor, Insulated electrical. O. Röhm and W. Bauer. 1,982,831; Dec. 4.
- Conductor releasing clamp. N. Deisch. 1,949,562; Mar. 6.
- Conductor securing device. H. B. White. 1,953,379; Apr. 3.
- Conductors, Apparatus for manufacturing armored. P. Wiggins. 1,976,821; Oct. 16.
- Conductors, Apparatus for testing electrical. W. E. Prince. 1,948,238; Feb. 20.
- Conductors in plates, Sealing. A. N. Gray. 1,980,197; Nov. 13.
- Conductors, Insulating electric. P. Simons. 1,945,709; Feb. 6.
- Conductors, Making electrical. H. A. Staples. 1,980,363; Nov. 13.
- Conductors, Producing electric. A. P. Hinsky. 1,956,575; May 1.
- Conductors, Rolling of stranded electrical. A. Rohs. 1,979,013; Oct. 30.
- Conduit. T. W. Bigger. 1,958,260; May 8.
- Conduit. L. de Florez. 1,975,832; Oct. 9.
- Conduit. W. A. Kraner. 1,961,974; June 5.
- Conduit, Cementitious. F. M. Venzie. 1,959,511; May 22.
- Conduit clamp for connecting boxes. W. Goetzelman. Re19,389; Dec. 4.
- Conduit, Curved. F. R. Higley. 1,974,109-10; Sept. 18.
- Conduit drainage structure, Wood. P. E. Hoak. 1,970,853; Aug. 21.
- Conduit, Flexible. S. H. Collom. 1,960,139; May 22.
- Conduit, Flexible. C. C. Harrah. 1,978,529; Oct. 30.
- Conduit for electric cables, Reinforced concrete. G. Pasini. 1,967,561; July 24.
- Conduit for refrigerators, Circuitous. G. E. Denman. 1,954,310; Apr. 10.
- Conduit-holding device. C. L. Knutson. 1,943,261-2; Jan. 9.
- Conduit installation and elements. J. Bijur. 1,957,440; May 8.
- Conduit joint. J. M. Hardesty. 1,959,421; May 22.
- Conduit junction. J. E. Trainer and B. H. Miller. 1,984,242; Dec. 11.
- Conduit, Making a concrete. H. E. Lindas. 1,949,650; Mar. 6.
- Conduit, Metallic. G. C. Burd and H. C. Griswold. 1,951,723; Mar. 20.
- Conduit outlet box and switch unit, Explosion-proof. R. H. Olley. 1,977,891; Oct. 23.
- Conduit system and fitting therefor, Electric. L. A. Sharp. 1,945,707; Feb. 6.

- Conduit terminal, Fluid. E. H. Kocher. 1,943,326; Jan. 16.
- Conduit tractor. J. Guthrie. 1,976,990; Oct. 16.
- Conduit. Underground. J. M. Hardesty. 1,968,447; July 31.
- Conduit, Welding rod. L. S. Burgett and W. F. Daugherty. 1,953,915; Apr. 3.
- Conduit wrench. W. Rose. 1,972,239; Sept. 4.
- Conduits for explosive mixtures, Protecting gas. P. Hausmeister. 1,962,074; June 5.
- Conduits, Forming. A. Y. Dodge. 1,981,950; Nov. 27.
- Conduits, Impregnating. W. G. Johnson. 1,973,080; Sept. 11.
- Conduits, Manufacture of. C. C. Harrah. 1,964,289; June 26.
- Conduits of carbon or the like, Device for purging. E. W. Beardsley. 1,944,162; Jan. 23.
- Cone housing. J. Jensen. 1,972,345; Sept. 4.
- Coned yarn support. C. Epps. 1,984,571; Dec. 18.
- Coned yarn support. C. Epps. 1,985,026; Dec. 18.
- Confection container. H. F. Hunnell. 1,966,394; July 10.
- Confection forming device. G. A. Penrose, K. F. Thomas, and G. A. Penrose, jr. 1,983,704; Dec. 11.
- Confection, Frozen. A. Hopp. 1,980,588; Nov. 13.
- Confection, Frozen. R. V. Jones. 1,947,010; Feb. 13.
- Confection, Frozen. L. B. Krick. 1,965,292; July 3.
- Confection, Frozen. M. Schnaier. 1,965,394; July 3.
- Confection, Frozen. M. Schnaier. 1,972,799; Sept. 4.
- Confection, Frozen. J. W. West. Des. 92,279; May 15.
- Confection machine, Frozen. T. J. Brimer. 1,957,315; May 1.
- Confection manufacture, Apparatus for. E. N. Snodgrass. 1,970,712; Aug. 21.
- Confection mold. J. D. Warren. 1,948,147; Feb. 20.
- Confection package. C. Brodnax. Des. 91,800; Mar. 27.
- Confectioner's melting furnace. C. Cretors. 1,961,136; June 5.
- Confectionery, Apparatus for coating. G. R. Baker and G. D. Wilson. 1,953,740; Apr. 3.
- Confectionery product. N. M. Thomas. Des. 92,987; Aug. 7.
- Confections, Apparatus for coating. G. R. Baker and G. D. Wilson. 1,944,148; Jan. 23.
- Confections, Apparatus for coating. C. E. Price. 1,973,778; Sept. 18.
- Confections, Apparatus for decorating. A. L. Bausman. 1,956,306-7; Apr. 24.
- Confections, Apparatus for making frozen. S. Isenberg. 1,946,442; Feb. 6.
- Confections, Producing. E. N. Snodgrass. 1,952,101; Mar. 27.
- Confections, Wrapping. C. and S. G. Contos. 1,951,131; Mar. 13.
- Congealing solution. J. Fleischer. 1,968,195; July 31.
- Conical electric burner. W. Noble. 1,975,970; Oct. 9.
- Connector: See—
- Adjustable connector.
 - Battery cable connector.
 - Battery connector.
 - Battery terminal connector.
 - Bracelet connector.
 - Cable connector.
 - Cable tap connector.
 - Chain connector.
 - Chuck lubricating connector.
 - Circuit extension connector.
 - Conductor connector.
 - Distribution connector.
 - Electric connector.
 - Electric cord swivel connector.
 - Electric terminal connector.
 - Electrical connector.
 - Electrical swivel connector.
 - Electrical swiveled connector.
 - Flexible connector.
 - Fused electric connector.
 - Illuminated connector.
 - Lamp bulb connector.
 - Meter block connector.
 - Partition connector.
 - Pipe connector.
 - Plug connector.
 - Radio tube connector.
 - Rolling mill connector.
 - Rubber cord connector.
 - Safety electrical connector.
 - Sealed connector.
 - Spindle connector.
 - Stiff leg connector.
 - Storage battery connector.
 - Swivel connector.
 - Swivel cord connector.
 - Train pipe connector.
 - Train wire connector.
 - Vibration-absorbing connector.
 - Wire connector.
- Connector. T. B. Bash. 1,948,838; Feb. 27.
- Connector. A. A. Berndt. 1,955,528; Apr. 17.
- Connector. W. G. Christopherson. 1,967,866; July 24.
- Connector. H. J. L. Frank. 1,954,587; Apr. 10.
- Connector. W. P. Giske. 1,984,016; Dec. 11.
- Connector. T. J. Little. 1,984,026; Dec. 11.
- Connector. H. J. Lynch. 1,953,966; Apr. 10.
- Connector. A. Nelson. 1,984,540; Dec. 18.
- Connector. L. O. Parker. 1,952,141; Mar. 27.
- Connector. R. Patrick. 1,946,106; Feb. 6.
- Connector. K. C. Randall. 1,962,326; June 12.
- Connector. F. J. Raybould. 1,955,830-1; Apr. 24.
- Connector. F. J. Raybould. 1,955,832; Apr. 24.
- Connector. A. G. Steinmayer. 1,950,635; Mar. 13.
- Connector. I. Stidd. 1,944,141; Jan. 16.
- Connector. F. W. Tronolone. 1,959,310; May 15.
- Connector. R. E. Wilson. 1,968,432; July 31.
- Connector actuating and locking device. D. W. Shlek. 1,953,823; Apr. 3.
- Connector and stretcher for fence sections. L. E. Lambert. 1,965,899; July 10.
- Connector clamp. C. L. Grover. 1,964,511; June 26.
- Connector device for hollow cables and securing connections to such cables. M. E. Noyes. 1,980,426; Nov. 13.
- Connector for anchor rods and guy wires, Take-up. J. Blackburn. 1,946,830; Feb. 13.
- Connector for battery terminals. W. L. Griffith and E. D. Ault. 1,975,896; Oct. 9.
- Connector for electric appliances and the like. G. E. Andre. 1,954,859; Apr. 17.
- Connector for electric cables. E. M. Livingston. 1,975,467; Oct. 2.
- Connector for electric circuits. A. Linker. 1,972,306; Sept. 4.
- Connector for electric conductors. L. M. McCormick. 1,961,235; June 5.
- Connector for electrical appliances. H. J. Baum. 1,950,215; Mar. 6.
- Connector for electrical cabinet boxes. A. G. von Normann. 1,955,106; Apr. 17.
- Connector for hollow cables. H. A. Staples. 1,973,822; Sept. 11.
- Connector for implement handles. E. Cohen. 1,947,697; Feb. 20.
- Connector for milking machines, Pneumatic and electric. S. J. Erling. 1,969,212; Aug. 7.
- Connector for semitrailers, Fifth wheel. W. S. Gurton, J. Plint and H. Nyberg. 1,941,682; Jan. 2.
- Connector for spark plug terminals. O. E. Szekeley. 1,970,635; Aug. 21.
- Connector orifice meter, Wrapping. W. H. Parker, N. J. Seibert, and A. D. MacLean. 1,972,792; Sept. 4.
- Connecters, Manufacturing. A. B. Dibner. 1,957,530; May 8.
- Connecting and adjusting device, Combined. J. H. Flatley. 1,943,594; Jan. 16.
- Connecting device between lamp sockets and heating elements. A. J. Schmitt. 1,966,737; July 17.
- Connecting device for flanged or upset tubes. F. E. Key. 1,975,580; Oct. 2.
- Connecting means. A. Alsaker. 1,974,092; Sept. 18.
- Connecting means. H. A. Douglas. 1,982,501; Nov. 27.
- Connecting means, Detachable. A. F. Hillstrom and V. Petterson. 1,945,352; Jan. 30.
- Connecting rod. L. A. Berland. 1,981,609; Nov. 20.
- Connecting rod. A. Lack and O. E. E. Stromberg. 1,954,138; Apr. 10.
- Connecting rod. F. Schaefer. 1,947,278; Feb. 13.
- Connecting rod design for radial engines. F. G. Shoemaker. 1,963,423; June 19.
- Connecting rod reamer. F. G. Welke. 1,967,387; July 24.
- Connecting sleeve. J. C. Knupp. 1,955,074; Apr. 17.
- Connecting unit for shock absorbers and the like, Forming a. N. Skillman. 1,943,631; Jan. 16.
- Connection. Automobile arm and rod. E. K. Baker. 1,959,563; May 22.
- Connection. Ball joint electrical. J. B. Saraceno. 1,944,196; Jan. 23.
- Connection. Bolt and nut. F. Sass and E. Daiber. 1,978,229; Oct. 23.
- Connection box for card tabulators, Interchangeable. F. G. S. English. 1,983,354; Dec. 4.
- Connection. Bus bar and bushing. L. J. Stevens. 1,977,957; Oct. 23.
- Connection device. J. D. Noves. 1,943,692; Jan. 16.
- Connection. Driving. H. J. Stegeman and L. W. Barnes. 1,966,528; July 17.
- Connection. Extension service. L. A. Sharp. 1,962,915; June 12.
- Connection. Flange. R. Chilton. 1,944,219; Jan. 23.
- Connection. Flexible. L. Q. Moffitt. 1,942,721; Jan. 9.
- Connection. Flexible. F. W. Peters. 1,942,973; Jan. 9.
- Connection for blasting fuses and using the same. L. C. R. Mallet. 1,968,565; July 31.
- Connection for bumpers, End. H. S. Jandus. 1,953,050; Mar. 27.
- Connection for electric cords, Swivel. E. J. Elsas. 1,977,757; Oct. 23.
- Connection for filters and the like. W. H. De Lancey. 1,982,376; Nov. 27.
- Connection for haulage cages, Intermediate. F. Otto. 1,957,724; May 8.
- Connection for heating pads. J. H. Browne. 1,964,904; July 3.
- Connection for structural units. W. E. Wilson. 1,953,145; Apr. 3.
- Connection for the operation of high frequency amplification systems. W. Schäffer. 1,956,964; May 1.
- Connection for woven and knitted fabric. P. A. Linke. 1,960,444; May 29.
- Connection. Forging ram and rod. S. B. Heppenstall. 1,958,621; May 15.
- Connection, Hinged. F. H. Lamb. 1,973,214; Sept. 11.
- Connection hose. C. F. Emery, jr. 1,962,060; June 5.
- Connection. Making a flexible. F. L. Haushalter. 1,958,141; Mar. 8.
- Connection, Nonmetallic. R. J. Turner and F. H. Ragan. 1,980,117; Nov. 6.
- Connection on electric lifts, Safety. O. Güttinger. 1,975,420; Oct. 2.
- Connection or coupling for tubular bodies. G. W. Amor. 1,960,405; May 29.
- Connection, Pivotal. H. C. Harris. 1,945,369; Jan. 30.
- Connection. Quick detachable electrical. E. E. Smart. 1,950,826; Mar. 13.
- Connection, Safety. J. D. McClintock. 1,948,725; Feb. 27.
- Connection to terminal elements, Device for. W. Borchert. 1,980,746; Nov. 13.

- Connection, Universal driving. G. S. Coats. 1,942,745; Jan. 9.
- Connection, Yieldable driving. J. C. Zeder. 1,954,190; Apr. 10.
- Conserve, Self-heating. S. Zimmer and S. Koplinka. 1,971,364; Aug. 28.
- Constant frequency apparatus. P. H. Betts. 1,947,182; Feb. 13.
- Constant level apparatus. M. Weber. 1,972,962; Sept. 11.
- Constant speed air motor. R. Gunn. 1,954,811; Apr. 17.
- Constant volume pump. P. L. Tollison. 1,982,770; Dec. 4.
- Constituents of air having a higher boiling point than oxygen, Obtaining. P. Schuffan. 1,963,809; June 19.
- Constituents of gas or vapor mixture, Recovering desirable. F. K. Davis. 1,961,200; June 5.
- Constituents of gaseous mixtures, Method and apparatus for separating the. C. C. Van Nuys. 1,959,883; May 22.
- Construction for aircraft. A. B. Gardner. 1,975,098; Oct. 2.
- Construction for use in burning bricks. A. H. Mallory. 1,956,803; May 1.
- Construction material. A. C. Fischer. 1,945,308; Jan. 30.
- Construction material. A. J. Pfohl. 1,952,219; Mar. 27.
- Construction material, Producing. R. C. Newhouse. 1,947,488; Feb. 20.
- Constructional material and paving structures. A. C. Fischer. 1,982,580; Nov. 27.
- Consumers' method of utilizing liquefied gas. P. S. Endacott. 1,977,267; Oct. 16.
- Contact apparatus. G. B. Coubrough. 1,945,600; Feb. 6.
- Contact assembly. L. O. Parker. 1,983,095; Dec. 4.
- Contact between a gas and liquid, Method and apparatus for obtaining intimate. J. O. Naucier and S. H. Ledin. 1,958,383; May 8.
- Contact breaking and lighting appliance, Method of and physical arrangement for. J. A. Heany. 1,980,800; Nov. 13.
- Contact carrier. H. A. Douglas. 1,953,594; Apr. 3.
- Contact clip, Electrical conductor. W. R. Neumann. 1,948,309; Feb. 20.
- Contact finger for relays. J. F. Merkel. 1,942,147; Jan. 2.
- Contact for rheostats and fixing same. D. T. Siegel. 1,948,774; Feb. 27.
- Contact holder for electric switches. C. W. Kuhn. 1,967,890; July 24.
- Contact material. C. V. Iredell. 1,982,812; Dec. 4.
- Contact plug, Self locking. C. A. Good. 1,957,773; May 8.
- Contact resurfacing device. S. A. Oakley. 1,951,201; Mar. 13.
- Contact switch, High pressure. G. L. Carlisle. 1,971,392; Aug. 28.
- Container: See—
- Article container. Knockdown container.
 - Bag or like container. Lined container.
 - Bail container. Lip stick container.
 - Basket and similar container. Liquid container.
 - Battery container. Loud speaking container.
 - Bottle container. Metal container.
 - Carbide and water container. Metallic container.
 - Carboy container. Milk container.
 - Chemical container. Multiple unit container.
 - Chick shipping container. Noiseless coin container.
 - Cigar container. Nonrefillable container.
 - Cigarette container. Open ended container.
 - Clothing container. Packaging and display container.
 - Coffee container. Packaging container.
 - Collapsible container. Packing container.
 - Combination container. Paint container.
 - Condiment container. Paper container.
 - Confection container. Plywood container.
 - Cosmetic container. Portable beverage container.
 - Delivery container. Powder container.
 - Deodorant container. Preserving container.
 - Dispensing container. Radio container.
 - Display and dispensing container. Railway shipping container.
 - Display container. Refrigerating container.
 - Dredging container. Refrigerator container.
 - Dual container. Rip strip container.
 - Egg container. Sanitary container.
 - Envelope container. Sanitary garbage container.
 - Envelope fastener container. Sausage container.
 - Expandable container. Sheet metal container.
 - Face powder container. Shipping and display container.
 - Fiber board container. Shipping container.
 - Filing container. Spherical container.
 - Foldable container. Stayed container.
 - Folding container. Storage battery container.
 - Formed container. Thermo container.
 - Freight container. Tissue container.
 - Fruit container. Toothbrush container.
 - Hermetically sealed container. Transportation container.
 - Ice cream container. Vacuum container.
 - Index container. Vented container.
 - Invertible container. Windowed merchandise container.
 - Key container. Wire container.
 - Key opening container.
- Container. O. B. Andrews. 1,979,816; Nov. 6.
- Container. A. A. Archbold, jr. 1,981,170; Dec. 11.
- Container. P. D. Archer. 1,969,195; Aug. 7.
- Container. M. T. Ashe. 1,953,580; Apr. 3.
- Container. M. T. Ashe. 1,976,209; Oct. 9.
- Container. W. Baillie. 1,972,861; Sept. 11.
- Container. J. J. Bauman. 1,967,492; July 24.
- Container. J. R. Bedell. 1,983,689; Dec. 11.
- Container. J. L. Bennett. 1,942,953; Jan. 9.
- Container. W. W. Bissell. 1,965,027; July 3.
- Container. H. W. Block. 1,975,444; Oct. 2.
- Container. J. M. Boscardin. 1,976,917; Oct. 16.
- Container. J. D. Brophy. 1,965,096; July 3.
- Container. A. E. Bruns and H. W. Rueger. 1,951,543; Mar. 20.
- Container. H. Cross and E. E. Bussey. 1,974,600; Sept. 25.
- Container. H. M. Dillhoefer. Re19,118; Mar. 20.
- Container. H. M. Dillhoefer, jr. 1,952,036; Mar. 20.
- Container. C. K. Dunlap. 1,952,240; Mar. 27.
- Container. J. J. Flanagan. 1,983,278; Dec. 4.
- Container. H. J. Gaisman. 1,944,075; Jan. 16.
- Container. R. T. Garfein. 1,949,303; Feb. 27.
- Container. W. J. Geimer. 1,947,934; Feb. 20.
- Container. A. F. Gluck. 1,967,119; July 17.
- Container. L. J. Golden. 1,980,482; Nov. 13.
- Container. S. A. Gottlieb. 1,970,451; Aug. 14.
- Container. S. W. Graves. 1,982,912; Dec. 4.
- Container. A. B. Haslach. 1,947,083; Feb. 13.
- Container. H. R. Hendy. Des. 92,131; May 1.
- Container. W. M. Holloway. 1,980,995; Nov. 20.
- Container. J. M. Hothersall. 1,959,364; May 22.
- Container. C. P. Hurley. 1,973,317; Sept. 11.
- Container. L. D. Johnson. 1,984,351; Dec. 11.
- Container. E. E. Kallenbach. 1,949,162; Feb. 27.
- Container. W. J. Kenney. 1,954,568; Apr. 10.
- Container. S. N. Kephart. Des. 91,629; Feb. 27.
- Container. F. Koch. 1,966,012; July 10.
- Container. A. J. Kramer. 1,973,959; Sept. 13.
- Container. A. W. Langdon. 1,943,327; Jan. 16.
- Container. V. K. Le Comte. 1,974,539; Sept. 25.
- Container. J. W. Little. 1,951,249; Mar. 13.
- Container. C. Looft. 1,952,325; Mar. 27.
- Container. G. E. Lyle. Des. 94,154; Dec. 25.
- Container. C. F. McAleer. 1,941,568; Jan. 2.
- Container. C. F. McAleer. 1,953,885; Apr. 3.
- Container. C. F. McAleer. 1,956,619; May 1.
- Container. C. F. McAleer. 1,965,199; July 3.
- Container. C. F. McAleer. 1,982,962; Dec. 4.
- Container. C. M. MacChesney. 1,961,518; Nov. 20.
- Container. D. J. McCrudden, jr. 1,943,923; Jan. 16.
- Container. W. B. McLaughlin. 1,973,960; Sept. 18.
- Container. C. E. McManus. Des. 93,940; Nov. 27.
- Container. J. B. Meek. 1,974,968; Sept. 25.
- Container. F. E. Mickadeit. 1,961,565; June 5.
- Container. W. C. Mills. 1,959,874; May 22.
- Container. A. Mitchell. 1,985,615; Dec. 25.
- Container. A. Novotny. 1,969,413; Aug. 7.
- Container. W. F. Otte. 1,978,596; Oct. 30.
- Container. J. E. Page. 1,941,619; Jan. 2.
- Container. J. E. Page. 1,969,030; Aug. 7.
- Container. C. Paley. 1,971,164; Aug. 21.
- Container. O. E. Parkinson. 1,958,589; May 15.
- Container. C. H. Rollason. 1,947,140; Feb. 13.
- Container. J. I. Seifer. 1,975,804; Oct. 9.
- Container. D. C. Sherman. 1,955,346; Apr. 17.
- Container. E. R. Stein. 1,962,468; June 12.
- Container. I. Strouse. Des. 92,683; July 3.
- Container. O. I. Struve. 1,941,871; Jan. 2.
- Container. L. W. Sutherland. 1,946,554; Feb. 13.
- Container. J. R. Thiebaut. 1,968,270; July 31.
- Container. D. T. and G. B. Usher. 1,962,043; June 5.
- Container. O. Voelk and A. Boencke. 1,965,327; July 3.
- Container. H. Waker. 1,951,744; Mar. 20.
- Container. R. P. Ware. 1,950,582; Mar. 13.
- Container. J. R. Watkins. 1,955,107; Apr. 17.
- Container. J. R. Watkins. 1,976,693; Oct. 9.
- Container. E. Watson. 1,982,557; Nov. 27.
- Container. H. E. and F. N. Wendell. 1,955,663; Apr. 17.
- Container. E. C. Werner and L. X. Burger. Des. 94,007; Dec. 4.
- Container. H. H. Wright. 1,980,566; Nov. 13.
- Container. P. Zalkind. 1,946,516; Feb. 13.
- Container adapted to ready use and sealing the same, Adhesive liquid. G. W. Nesmith. 1,946,330; Feb. 6.
- Container and closure therefor. S. P. Lovell. 1,983,139; Dec. 4.
- Container and applicator, Finger nail enamel. A. E. Salmon. 1,945,957; Feb. 6.
- Container and applicator, Flexible. K. H. Bergstrom and G. L. Lawrence. 1,979,218; Oct. 30.
- Container and capping it. J. F. Peters. 1,967,256; July 24.
- Container and closure therefor. G. K. Geerlings. 1,978,455; Oct. 30.
- Container and closure therefor. C. G. Kloebe. 1,973,924; Sept. 18.
- Container and closure therefor and making the same. F. O. Killorin. 1,964,206; June 26.
- Container and cooler. E. J. D'Aoust and H. L. Dickens. 1,950,714; Mar. 13.
- Container and device for safe delivery of perishable merchandise. C. Weiss. 1,959,045; May 15.
- Container and dispenser, Combination ink. E. Lundeen. Des. 91,678; Mar. 6.

- Container and dispenser for canned liquids. A. J. Hauskins. 1,961,585; June 5.
- Container and display stand, Combined dispensing. J. L. Wright. Des. 93,082-3; Aug. 14.
- Container and forming same. G. J. Kessenich. 1,973,717; Sept. 18.
- Container and forming same. C. M. MacChesney. 1,956,241; Apr. 24.
- Container and holder, Paint brush. A. Ehrhardt. 1,963,548; June 19.
- Container and housing, Liquid. H. F. Soper and E. P. Sparks. 1,957,677; May 8.
- Container and making same. C. M. MacChesney. 1,956,242; Apr. 24.
- Container and making same. C. T. Walter. 1,959,971; May 22.
- Container and making the same. R. A. Bennett. 1,976,003; Oct. 9.
- Container and package construction. R. P. Ware. 1,952,693; Mar. 27.
- Container and pouring spout. H. Brucker. 1,966,284; July 10.
- Container and puff, Combination powder. W. W. Wutzke and J. J. Mitchell. 1,944,204; Jan. 23.
- Container and pump, Liquid dispensing. F. A. Talbot. 1,977,360; Oct. 16.
- Container and pyrophoric lighter, Combined cigarette. F. A. Whittaker. Des. 91,289; Jan. 2.
- Container and sealing means therefor. J. W. Shera. 1,949,979; Mar. 6.
- Container and spout structure therefor. J. W. Shera. 1,966,049; July 10.
- Container and spring clamp therefor. E. M. Sawtelle. 1,963,101; June 19.
- Container and straw, Combination. M. Tate and W. W. Ower. 1,962,883; June 12.
- Container blanks, Apparatus for preparing. M. E. Widell. 1,948,553; Feb. 27.
- Container cap construction. G. E. Dietze. 1,980,853; Nov. 13.
- Container cap remover. T. A. Killman. 1,953,412; Apr. 3.
- Container capping machine. J. J. Gaynor. 1,978,671; Oct. 30.
- Container carriers, Attachment for. F. K. Fildes. 1,966,492; July 17.
- Container closure. G. W. Booth. 1,956,212; Apr. 24.
- Container closure. G. W. Booth. 1,956,215; Apr. 24.
- Container closure. G. W. Booth. 1,956,217; Apr. 24.
- Container closure. A. B. Boyd. 1,958,466; May 15.
- Container closure. J. B. Eisen. 1,979,458; Nov. 6.
- Container closure. C. K. Elliott. Des. 91,650; Mar. 6.
- Container closure. A. Fox. 1,967,931; July 24.
- Container closure. L. B. Green. 1,948,263; Feb. 20.
- Container closure. J. M. Hothersall. 1,981,864; Nov. 27.
- Container closure. C. M. Kastle. 1,963,236; June 19.
- Container closure. B. F. Klein. 1,968,298; July 31.
- Container closure. J. Kronman. Des. 92,359; May 29.
- Container closure. L. G. Lange. 1,965,195; July 3.
- Container closure. W. T. Parkin. 1,970,505; Aug. 14.
- Container closure. M. L. Rathbun. 1,971,536; Aug. 28.
- Container closure. W. H. Rose. 1,970,709; Aug. 21.
- Container closure. P. E. Stone. Des. 92,154; May 1.
- Container closure applying tool. J. M. Hothersall. 1,948,521; Feb. 27.
- Container closure structure. W. M. Vogel and R. W. Fentress. 1,958,454; May 15.
- Container closure with applicator. B. F. Conner. 1,966,581; July 17.
- Container closures, Manufacturing. G. W. Booth. 1,956,216; Apr. 24.
- Container comprising a combined packing box and show case. B. Rous. 1,962,618; June 12.
- Container cover. J. C. Reich. 1,957,804; May 8.
- Container, dispensing, and display means for cakes, etc. L. G. Weisbrod. 1,975,524; Oct. 2.
- Container display top. V. G. Faulhafer. 1,974,672; Sept. 25.
- Container end construction. R. P. Ware. 1,943,568; Jan. 16.
- Container end, Domed. C. W. Lang. 1,963,795; June 19.
- Container for adhesive and the like. V. W. G. Kemp. 1,942,248; Jan. 2.
- Container for batteries or the like. P. F. Boeye. Re19,180; May 29.
- Container for bottles, Folding. E. H. Lupton. 1,971,863; Aug. 28.
- Container for carbonated liquids. G. H. Mosby. 1,985,455; Dec. 25.
- Container for church offering envelopes. C. P. Schmid. Des. 91,910; Apr. 3.
- Container for cigarettes. E. C. Wamelink. 1,960,468; May 29.
- Container for cigarettes and the like. A. G. Macdonald. 1,953,418; Apr. 3.
- Container for coiled paper, Dispensing. E. H. Benson. 1,978,154; Oct. 23.
- Container for compressed gases and liquids. C. W. Johnston. 1,984,375; Dec. 18.
- Container for confections. J. J. Wilsdon. Des. 94,062; Dec. 11.
- Container for container cars, Refrigerating. G. C. Woodruff. 1,967,277; July 24.
- Container for container cars, Refrigerator. G. C. Woodruff. 1,980,738; Nov. 13.
- Container for container cars, Refrigerator shipping. G. C. Woodruff. 1,952,348; Mar. 27.
- Container for disinfectant odorants and the like substances, Foldable. E. A. Gilot. 1,960,149; May 22.
- Container for dispensing fluid substances. A. D. Robinson. 1,980,878; Nov. 13.
- Container for explosives. F. A. Halverson. 1,970,089; Aug. 14.
- Container for food and other products. J. H. Perkins. 1,958,765; May 15.
- Container for food products, Edible. R. J. Yohai. Des. 93,432; Sept. 25.
- Container for fragile articles, Packing. F. D. Gray and L. Mann. 1,967,026; July 17.
- Container for frozen food products, Freezing. M. P. Grant. 1,956,322; Apr. 24.
- Container for hypodermic solutions and other medicinal preparations. E. G. Upjohn. 1,945,126; Jan. 30.
- Container for ice cream and other confections, Edible. J. M. Hose. Des. 93,019; Aug. 14.
- Container for ice cream refrigeration cabinets. L. J. Behr. 1,967,280; July 24.
- Container for iced cake. T. C. Costello. 1,941,538; Jan. 3.
- Container for individual batteries, Shipping. P. F. Boeye. Re19,181; May 29.
- Container for insulation unit, Blank. D. H. Corlette and C. M. Frazee. 1,971,064; Aug. 21.
- Container for lipsticks or the like. H. W. Coe. 1,966,884; July 17.
- Container for liquefied gases. L. I. Dana. 1,979,221; Oct. 30.
- Container for liquefied gases. L. I. Dana and G. H. Zenner. 1,976,688; Oct. 9.
- Container for liquefied gases. O. A. Hansen and L. A. Bliss. 1,979,224; Oct. 30.
- Container for milk bottles. E. R. Davis. 1,971,707; Aug. 28.
- Container for molded ice cream. E. J. Mather. Des. 92,818; July 17.
- Container for molten metals. H. Hill. 1,981,699; Nov. 20.
- Container for packaging sheet and fabric material. C. S. Andrews. 1,979,245; Nov. 6.
- Container for packing and shipping fruit. J. D. Martin. 1,980,281; Nov. 13.
- Container for paper rolls. W. B. Powell. Re19,134; Apr. 10.
- Container for plants, Fertilizer. A. Kadow. 1,948,117; Feb. 20.
- Container for powder, Dispensing. H. C. Cole. 1,982,949; Dec. 4.
- Container for powdered and granular substances, Measuring. R. J. Jackson. 1,980,061; Nov. 6.
- Container for recipes, Card index. A. M. Lassen. 1,980,687; Nov. 13.
- Container for refrigerators, Freezing. E. F. Rawlings. 1,952,729; Mar. 27.
- Container for semifluid, viscous, or powdered substances. J. B. Lewis. 1,961,056; May 29.
- Container for shaving accessories. M. B. Solomon. 1,981,674; Nov. 20.
- Container for sterilized articles. E. Johnson. 1,974,277; Sept. 18.
- Container for storing frying pans. R. Goedecke. 1,964,815; July 3.
- Container for surgical sutures, Dispensing. C. D. Lukens. 1,971,570; Aug. 28.
- Container for the display of eggs. L. Hendrich. Des. 93,478; Oct. 2.
- Container for typewriter paper. E. Southworth. 1,977,779; Oct. 23.
- Container for various articles, Packing. C. H. Bird. 1,985,075; Dec. 18.
- Container for wrenches and the like. E. H. Carroll. 1,970,359; Aug. 14.
- Container, Forming an hermetically sealed easy opening. F. J. O'Brien. 1,985,793; Dec. 25.
- Container handling device. J. A. Forsythe. 1,976,014; Oct. 9.
- Container heads, Attaching means for. S. M. Johnson. 1,948,920; Feb. 27.
- Container made of paper and producing it. M. E. Gazette. 1,983,361; Dec. 4.
- Container of the wardrobe type, Garment. W. C. Church. 1,975,779; Oct. 9.
- Container opening key machine. W. Pechy. 1,958,442; May 15.
- Container or box, Shipping. G. L. Bronson. 1,959,998; May 22.
- Container or holder, Bottle. E. L. Maguire and E. S. Tracy. 1,980,416; Nov. 13.
- Container or package for eggs, etc. F. H. Sherman. 1,975,128-9; Oct. 2.
- Container or similar article. J. S. Stein. Des. 92,827; July 17.
- Container or similar article, Perfume. J. S. Stein. Des. 94,001; Dec. 4.
- Container or similar device, Food. C. C. Beam. Des. 94,067; Dec. 18.
- Container or the like, Candy. H. R. Whaley. 1,946,250; Feb. 6.
- Container or the like, Cigarette. R. G. Berry, jr. 1,943,052; Jan. 9.
- Container parts, Apparatus for sterilizing. G. Steerup. 1,958,449; May 15.
- Container pouch. I. S. Gardiner. 1,978,257; Oct. 28.

- Container sealing and dispensing device. J. B. Paarde camp. 1,959,276; May 15.
- Container setting-up machine. F. G. Peck. 1,979,993; Nov. 6.
- Container structure. W. C. North. 1,980,545; Nov. 13.
- Container such as cans, Nonrefillable. F. A. Talbot. 1,972,430; Sept. 4.
- Container support. J. Ritter, jr. 1,975,291; Oct. 2.
- Container transfer apparatus. F. K. Fildes. 1,975,636; Oct. 2.
- Container unit. Food. L. H. Scurlock. 1,977,092; Oct. 16.
- Container valve. J. Mills. 1,963,797; June 19.
- Container with closure cap. A. P. Fox. 1,967,930; July 24.
- Container with shape-retaining slide. F. W. Genz. 1,967,204; July 17.
- Containers and packaging goods, Making. F. E. Bickford. 1,976,211; Oct. 9.
- Containers and product thereof, Capping. G. W. Booth. 1,956,209-11; Apr. 24.
- Containers and the like, Automatically soldering the side seams of. W. M. Holloway. 1,947,471; Feb. 20.
- Containers, Apparatus for forming, filling, and closing. L. E. Spear. 1,980,361; Nov. 13.
- Containers, Apparatus for irradiating. L. J. Buttolph. 1,984,457; Dec. 18.
- Containers, Apparatus for making and filling. B. P. Mirabella. 1,958,762; May 15.
- Containers, Apparatus for testing metallic. A. C. Richardson. 1,956,301; Apr. 24.
- Containers, Apparatus for vacuumizing and sealing. H. A. Barnby. 1,967,346; July 24.
- Containers, Device for opening. H. S. Darlington. 1,945,885; Feb. 6.
- Containers, Forming transparent. T. M. Rector. 1,957,554; May 8.
- Containers from cellulose sheets, Apparatus for the manufacture of. J. M. Munson and L. A. Becker. 1,953,122; Apr. 3.
- Containers, Handling. O. L. Coffey. 1,966,199; July 10.
- Containers, Improvements in or relating to liquid. H. H. Burton. 1,956,146; Apr. 24.
- Containers, Making hollow. H. N. Simpson. 1,956,776; May 1.
- Containers, Making spherical. E. G. Daniels. 1,958,421; May 15.
- Containers, Manufacture of metal. C. F. V. Flint. 1,966,713; July 17.
- Containers, Mechanism for soldering metal. J. F. Werger. 1,957,683; May 8.
- Containers, Method and apparatus for manufacturing. G. O. Frostad. 1,979,827; Nov. 6.
- Containers, Process and apparatus for filling gas. H. V. Kojala. 1,965,126; July 3.
- Containers to freight cars, Tying. G. R. Meyercord. 1,974,686; Sept. 25.
- Containers with alum, Charging continuous flow reaction. A. Fleischer. 1,958,083; May 8.
- Contents of valved containers, Processing the. K. L. Ford. 1,963,782; June 19.
- Continuous belt fed press. J. H. De Fraine. 1,978,570; Oct. 30.
- Continuous burner, Automatically governed. W. G. Hartwig. 1,985,539; Dec. 25.
- Continuous furnace. S. Charlesworth. 1,944,729; Jan. 23.
- Continuous outlet receptacle. K. W. Du Bois and W. L. Cooke. 1,964,042; June 26.
- Contour and depth gauge. V. Egorenkov. 1,966,618; July 17.
- Contour copying machine. F. T. Howard. 1,969,647; Aug. 7.
- Contract bridge board, Duplicate. R. S. Dorney and F. R. Neely. 1,962,710; June 12.
- Contract score holder. P. H. Gobie. 1,955,878; Apr. 24.
- Control. W. J. Besler. 1,951,339; Mar. 20.
- Control. W. Doble. 1,951,351; Mar. 20.
- Control. J. A. Spencer. 1,947,884; Feb. 20.
- Control actuator for windshield cleaners. H. Hueber. 1,969,079; Aug. 7.
- Control and gate valve, Combination. G. A. Alviset. 1,942,232; Jan. 2.
- Control and timing apparatus. C. G. Bliss. 1,945,800; Feb. 6.
- Control apparatus. E. J. Dillman. 1,980,789; Nov. 13.
- Control apparatus. E. F. Gregg. 1,976,935; Oct. 16.
- Control apparatus. H. Hollerith, jr. 1,946,743; Feb. 13.
- Control apparatus. A. E. Krogh. 1,947,297; Feb. 13.
- Control apparatus. A. E. Krogh. 1,950,614; Mar. 13.
- Control apparatus. G. W. Kuntz. 1,979,330; Nov. 6.
- Control apparatus. E. M. Miller. 1,953,425; Apr. 3.
- Control apparatus. G. H. Rockwood. 1,977,697; Oct. 23.
- Control apparatus, Automatic. T. W. Stone. 1,955,033; Apr. 17.
- Control apparatus, Electrically operated automatic. O. H. Hunt. 1,973,765; Sept. 18.
- Control apparatus for alternating current circuits. C. G. Suits. 1,963,376; July 31.
- Control apparatus for electric elevators. R. B. Hunter. 1,944,432; Jan. 23.
- Control apparatus for liquid fuel burners. J. C. Bogle. 1,979,021; Oct. 30.
- Control apparatus for liquid separators. B. E. Meurk. 1,958,010; May 8.
- Control apparatus for power driven boats and the like, Remote. E. E. Mullins. 1,963,444; June 19.
- Control apparatus for power machines. L. F. Meunier. 1,942,825; Jan. 9.
- Control apparatus for pumps. W. Ernst. 1,978,016; Oct. 23.
- Control apparatus for vapor electric discharge devices. W. D. Cockrell. 1,947,189; Feb. 13.
- Control apparatus for vehicles of the Diesel electric type. C. Schaer. 1,977,407; Oct. 16.
- Control apparatus for washing and cleansing machines. L. Pierce. 1,982,320; Nov. 27.
- Control apparatus, Hydropneumatic. T. F. Pike. 1,979,407; Nov. 6.
- Control apparatus, Oscillation. A. M. Nicolson. 1,962,207; June 12.
- Control device. F. M. Bosworth and H. D. Stecher. 1,942,273; Jan. 2.
- Control device. D. A. Cameron. 1,983,165; Dec. 4.
- Control device. E. J. Dillman. 1,949,371; Feb. 27.
- Control device. L. W. Eggleston and E. J. Dillman. 1,965,543; July 3.
- Control device. E. J. Grant. 1,959,667; May 22.
- Control device. D. C. Gregg. 1,978,862; Oct. 30.
- Control device. W. L. Hickstein and E. C. Loesser. 1,985,659; Dec. 25.
- Control device. W. B. Jones. 1,950,892; Mar. 13.
- Control device. H. A. Mantz. 1,976,953-4; Oct. 16.
- Control device. A. O. McCollum. 1,951,702; Mar. 20.
- Control device. E. G. Steffen. 1,967,727; July 24.
- Control device. F. A. Wegener. 1,981,012; Nov. 20.
- Control device and making same. H. E. Norviel. 1,953,188; Apr. 3.
- Control device, Automatic. R. E. Anneren. 1,972,815; Sept. 4.
- Control device, Electric. C. T. Evans. 1,964,199; June 26.
- Control device for a heat transfer system. K. Hähnel. 1,972,420; Sept. 4.
- Control device for a heat transfer system. W. B. Normelli. 1,974,121; Sept. 18.
- Control device for accounting machines. H. C. Einstein. 1,944,657; Jan. 23.
- Control device for automatic stokers. W. T. Hanna. 1,969,265; Aug. 7.
- Control device for automotive generators. A. W. Schwebold. 1,984,947; Dec. 18.
- Control device for charging machines. G. R. Steere. 1,970,153; Aug. 14.
- Control device for electric and welding and other apparatus, Automatic. W. R. Hume. 1,949,685; Mar. 6.
- Control device for electric currents. H. Sell. 1,944,721; Jan. 23.
- Control device for exhaust port of pneumatic-hammer grease guns. H. E. Morton. 1,964,005; June 26.
- Control device for fluid fuel burners. S. W. E. Anderson. 1,974,731; Sept. 25.
- Control device for following mechanisms. H. Sonnberger. 1,968,266; July 31.
- Control device for ignition timers, Automatic. M. Mallory. 1,962,931; June 12.
- Control device for lifts. E. B. Thompson. 1,961,465; June 5.
- Control device for liquid fuel burners. A. J. Gilbert. 1,960,844; May 29.
- Control device for liquid fuel burners. R. M. Sherman and F. F. Neumann. 1,961,083; May 29.
- Control device for motor vehicles. B. Kacer and M. Nohel. 1,960,414; May 29.
- Control device for oil or gas wells and pipe lines. M. G. Barrier. 1,949,672; Mar. 6.
- Control device for pneumatic conveyers, Fluid operated. E. B. Tolman, jr. 1,965,866; July 10.
- Control device for pneumatic dispatch tube apparatus. S. Olson. 1,944,363; Jan. 23.
- Control device for railway signals and switches and the like. E. Pacilli. 1,965,930; July 10.
- Control device for shock absorbers, Telemechanical. L. Simon. 1,965,473; July 3.
- Control device for talking machines, Automatic. H. A. Thompson and E. Chiffey. 1,949,890; Mar. 6.
- Control device, Hydraulic. W. E. Rodler. 1,974,657; Sept. 25.
- Control device, Localizing. H. G. Weber. 1,961,538; June 5.
- Control, Electrically actuated. I. E. McCabe. 1,973,925; Sept. 18.
- Control element for capacitive currents. H. P. Miller, jr. 1,960,415; May 29.
- Control fitting. Flow. J. Bijur. 1,950,391-2; Mar. 13.
- Control for a photographic recording apparatus. C. J. Hughey. 1,976,346; Oct. 9.
- Control for air conditioning devices, Automatic. G. F. Zellhoefer. 1,962,093; June 5.
- Control for air conditioning systems. D. J. Stewart. 1,968,325; July 31.
- Control for aircraft and other vehicles. E. F. Goodyear, J. Wright, and H. Trevaskis. 1,964,383; June 26.
- Control for artificial light for poultry houses, Automatic. A. R. Earnshaw. 1,964,846; July 3.
- Control for automotive vehicles. E. S. Bush. 1,985,014; Dec. 18.
- Control for bread slicing machines. A. A. Kottman. 1,964,824; July 3.
- Control for car retarders, Automatic. S. W. Wherry. 1,981,487; Nov. 20.

- Control for change speed mechanisms. H. T. R. Hanitz. 1,968,520; July 31.
- Control for charging machines. G. R. Steere. 1,970,155; Aug. 14.
- Control for compressors. B. S. Aikman. 1,972,751; Sept. 4.
- Control for controllable pitch propellers, Automatic. H. H. Couch. 1,968,029; July 31.
- Control for crushing machines, Automatic. W. W. Guest. 1,967,240; July 24.
- Control for draft regulators. C. H. Morrow. 1,968,652; July 31.
- Control for draft regulators, Hand operating. C. H. Morrow. 1,958,546; May 15.
- Control for dynamo-electric machines. C. Stansbury. 1,945,831; Feb. 6.
- Control for electric signs, Automatic. G. E. Harris and W. Stubbins. 1,964,943; July 3.
- Control for electric trains. D. H. Queeney. 1,982,692; Dec. 4.
- Control for electrical appliances, Automatic. E. Walder. 1,971,970; Aug. 28.
- Control for electrical devices. C. S. Ricker. 1,983,308; Dec. 4.
- Control for elevators, Dual system of. V. Federici. 1,942,413; Jan. 9.
- Control for elevators, System of. E. L. Gale. 1,962,009; June 5.
- Control for fans, Vortex. S. H. Downs. 1,978,129; Oct. 23.
- Control for film handling apparatus. W. D. Foster and F. D. Sweet. 1,944,030; Jan. 16.
- Control for fluid metering systems, Automatic. A. J. Granberg. 1,948,984; Feb. 27.
- Control for fuel burners. W. E. Stark. 1,982,031; Nov. 27.
- Control for gas burners, Automatic. J. B. Williams. 1,982,561; Nov. 27.
- Control for heating and ventilating, Automatic. C. E. Armstrong. 1,952,350; Mar. 27.
- Control for heating systems. G. F. Drake. 1,969,733; Aug. 14.
- Control for heating systems. D. J. Stewart. 1,975,130; Oct. 2.
- Control for hydraulic grease dispensers. A. Bizzarri. 1,969,254; Aug. 7.
- Control for hydraulic transmission, Dual. R. A. Schafer. 1,979,710; Nov. 6.
- Control for internal-combustion engines, Automatic. J. F. Frese. 1,981,859; Nov. 27.
- Control for looper pans, Automatic. F. E. Flynn and G. N. Harmon. 1,982,608; Nov. 27.
- Control for machine tools. J. J. N. Hamersveld. 1,953,200; Dec. 4.
- Control for motor mountings, Hydraulic. R. K. Lee. 1,980,541; Nov. 13.
- Control for motor vehicles, Foot. H. E. Lippert. 1,964,764; July 3.
- Control for motors, Automatic. J. D. Nies. 1,947,533; Feb. 20.
- Control for photographic printing exposures, Automatic. A. G. Denis. 1,973,469; Sept. 11.
- Control for power driven photographic apparatus. C. J. Hughey. 1,973,483; Sept. 11.
- Control for pressure feed lubricating systems. T. W. Hallerberg. 1,942,096-7; Jan. 2.
- Control for producers of inert gases. W. J. Willenborg. 1,952,005; Mar. 20.
- Control for radioreceivers, Remote. F. K. Vreeland. 1,979,588; Nov. 6.
- Control for refrigeration systems, Automatic. J. F. Hoffman. 1,958,087; May 8.
- Control for refrigerators, etc., Automatic. E. G. Gaynor. 1,979,103; Oct. 30.
- Control for shapers, Dual. W. A. Walker. 1,965,015; July 3.
- Control for shock absorbers, Automatic. L. B. Green. 1,945,036; Jan. 30.
- Control for stoker mechanism for furnaces. I. E. McCabe. 1,963,140; June 19.
- Control for stokers, Automatic. C. M. Terry. 1,983,416; Dec. 4.
- Control for systems using liquid under pressure. E. N. Woolley. 1,972,812; Sept. 4.
- Control for traffic signal systems. E. D. Stirlen and J. L. Biach. 1,944,723; Jan. 23.
- Control for vapor generators. P. S. Dickey. 1,975,085-6; Oct. 2.
- Control for vapor generators. R. D. Junkins. 1,967,755; July 24.
- Control for vapor generators. R. D. Junkins. 1,975,104; Oct. 2.
- Control for water and like systems, Automatic. O. C. Cashion. 1,977,111; Oct. 16.
- Control for wrapping machines, Broken-web. E. F. Mertis. 1,964,070; June 26.
- Control gear. E. Uher and L. Wenzler. 1,981,401; Nov. 20.
- Control gear for internal combustion engines. J. Lavanchy. 1,969,017; Aug. 7.
- Control head. S. W. Long and F. J. Young. 1,976,238; Oct. 9.
- Control head. W. A. Raymond and G. A. Humason. 1,944,573; Jan. 23.
- Control head. H. P. Wickersham and J. O. Tow. 1,966,809; July 17.
- Control head for a radioreceiver. D. H. Mitchell. Des. 93,352; Sept. 18.
- Control head for wells. G. A. Humason. 1,944,840; Jan. 23.
- Control instrument. F. W. Side. 1,969,158; Aug. 7.
- Control instrument, apparatus and method. T. R. Harrison. 1,946,280; Feb. 6.
- Control. Line casting slug length. L. Kraft and C. H. Thompson. 1,956,100; Apr. 24.
- Control, Load responsive. O. N. Bryant. 1,950,594; Mar. 13.
- Control means. H. P. Vaughan. 1,983,502; Dec. 4.
- Control means, Combination discharge and inflow. M. S. Young. Re19,366; Nov. 6.
- Control means for air brakes, Electric. E. and H. Shields. 1,982,543; Nov. 27.
- Control means for centrifugal extractors, Automatic gyration. N. R. Andrews and J. J. Neuman. 1,946,725; Feb. 13.
- Control means for gas burners. L. F. Stevenson. 1,969,163; Aug. 7.
- Control means for high frequency apparatus. H. M. Stephenson. 1,946,296; Feb. 6.
- Control means for printing presses. J. D. Nies. 1,984,693; Dec. 18.
- Control means for washing machine roll wringer mechanism. A. W. Altorfer. 1,947,576; Feb. 20.
- Control means for washing machine roll wringer mechanism. A. W. Altorfer. 1,962,471; June 12.
- Control means for washing machine roll wringer mechanism. A. W. Altorfer. 1,962,853; June 12.
- Control means, Temperature responsive. V. E. Carbonara. 1,966,843; July 17.
- Control mechanism. V. G. Apple. 1,944,205; Jan. 23.
- Control mechanism. V. G. Apple. 1,968,592; July 31.
- Control mechanism. R. J. Broege. 1,961,842; June 5.
- Control mechanism. E. E. Corbett. 1,951,396; Mar. 20.
- Control mechanism. M. H. Edmondson. 1,981,591; Nov. 20.
- Control mechanism. W. D. Foster. 1,944,026; Jan. 16.
- Control mechanism. C. B. Gilmore. 1,985,319; Dec. 25.
- Control mechanism. O. Lundahl. 1,984,535; Dec. 18.
- Control mechanism. C. E. Mason. 1,950,989; Mar. 13.
- Control mechanism. R. L. Maurer. 1,968,302; July 31.
- Control mechanism. G. Melling. 1,950,509; Mar. 13.
- Control mechanism. H. F. Smith. 1,952,515; Mar. 27.
- Control mechanism. A. H. Strong. 1,953,446; Apr. 3.
- Control mechanism. R. K. Winning. 1,982,895; Dec. 4.
- Control mechanism for compressor valves. L. L. Collins. 1,985,600; Dec. 25.
- Control mechanism for alternately operated motors. E. A. Winnewisser. 1,980,024; Nov. 6.
- Control mechanism for automobile engines. L. G. Hartdorn. 1,975,147; Oct. 2.
- Control mechanism for can making machines, Automatic. H. A. Fink and J. E. Schmidt. 1,963,082-3; June 19.
- Control mechanism for coin-operated phonograph-radio combination. B. E. Mills. 1,968,499; July 31.
- Control mechanism for electric motors, Automatic. A. C. Durdin, jr. 1,982,578; Nov. 27.
- Control mechanism for fishing reels. G. S. Scott. 1,981,430; Nov. 20.
- Control mechanism for fluid pressure actuated devices. F. G. and W. M. Folberth. 1,968,485; July 31.
- Control mechanism for folding machines, Automatic. L. M. Kahn. 1,960,940; May 29.
- Control mechanism for fuel pumps. H. Junkers. 1,943,974; Jan. 16.
- Control mechanism for gas driven welders. E. A. Hobart. 1,959,674; May 22.
- Control mechanism for heating and ventilating. F. H. Wagner, jr. 1,962,884; June 12.
- Control mechanism for hopper car doors. W. J. Hosceit. 1,942,702; Jan. 9.
- Control mechanism for mining trucks. J. L. Lewis. 1,961,977; June 5.
- Control mechanism for motor vehicles. J. E. Padgett. 1,943,694; Jan. 16.
- Control mechanism for pumps and associate press circuits. W. Ernst. 1,952,663; Mar. 27.
- Control mechanism for sprinkler alarms. C. P. Howard. 1,953,143; May 8.
- Control mechanism for vehicles. A. Weiland. 1,983,259; Dec. 4.
- Control mechanism for water heaters, Automatic. J. Brombacher. 1,969,921; Aug. 14.
- Control mechanism, Hydraulic. J. L. Cloudsley. 1,956,117; Apr. 24.
- Control mechanism, Reverse. O. F. Rodgers. 1,974,786; Sept. 25.
- Control mechanism, Totalizer adds indicator remote. G. A. and A. F. Julius. 1,942,336; Jan. 2.
- Control mechanism, Valve. H. F. Schmidt. 1,968,656; July 31.
- Control, more particularly of aircraft, Apparatus for the automatic. W. Möller. 1,967,156; July 17.
- Control of arc welder head. L. C. Shippy. 1,983,781; Dec. 11.
- Control of brakes from caboose. C. C. Farmer. 1,961,101; May 29.
- Control of consecutively arranged inlet and exhaust valves in piston steam engines. A. Sünder. 1,964,226; June 26.
- Control of contrast with color developers. M. W. Seymour. 1,954,335; Apr. 10.

- Control of direct current for motors. J. M. Pestarini. 1,969,699; Aug. 7.
- Control of electric motors. J. M. Pestarini. 1,945,447; Jan. 30.
- Control of electric motors. J. Zetsche and J. Sinclair-Ross. 1,971,803; Aug. 28.
- Control of electric welding circuits. E. A. Hobart. 1,970,854; Aug. 21.
- Control of exothermic reactions. G. A. Kramer. 1,967,410; July 24.
- Control of fluid circulation. D. B. Knight. 1,950,148; Mar. 6.
- Control of inverse voltage. J. B. Wantz. 1,963,160; June 19.
- Control of power transferring apparatus. J. W. Dodge. 1,955,539; Apr. 17.
- Control of storage batteries, Seasonal. W. C. Leingang. 1,976,404; Oct. 9.
- Control of the processing of materials, Automatic. C. W. Vogt. 1,965,616; July 10.
- Control of the treating of materials, Automatic. C. W. Vogt. 1,965,620; July 10.
- Control recording apparatus. I. A. Butcher. 1,980,184; Nov. 13.
- Control shutter for engine radiators. U. K. Johannsen. 1,943,239; Jan. 9.
- Control switch. A. J. A. Peterson. 1,982,321; Nov. 27.
- Control system. J. C. Albright. 1,962,676; June 12.
- Control system. W. I. Bendz. 1,948,694; Feb. 27.
- Control system. M. E. Bivens. 1,969,498; Aug. 7.
- Control system. D. K. Blake. 1,919,220; June 26.
- Control system. W. E. Bobertz. 1,968,632; July 31.
- Control system. W. J. Brennen. 1,950,780; Mar. 13.
- Control system. H. W. Bryan and F. H. Nicholson. 1,966,538; July 17.
- Control system. H. W. Chadbourne. 1,971,811; Aug. 28.
- Control system. D. E. Chambers and C. G. Suits. 1,968,634; July 31.
- Control system. J. W. Cooke. 1,974,984; Sept. 25.
- Control system. J. W. Dawson. 1,966,235; July 10.
- Control system. C. S. Demarest. 1,964,110; June 26.
- Control system. J. Eaton. 1,943,114; Jan. 9.
- Control system. C. H. Freese. 1,961,822; June 5.
- Control system. L. C. Hardesty. 1,980,799; Nov. 13.
- Control system. J. H. Harvey. 1,966,245; July 10.
- Control system. J. A. Hepperlen. 1,946,281; Feb. 6.
- Control system. J. A. Hepperlen. 1,975,577; Oct. 2.
- Control system. H. Hermle. 1,972,683; Sept. 4.
- Control system. P. E. Hochstetter. 1,976,499; Oct. 9.
- Control system. F. A. Hoeke. 1,946,282; Feb. 6.
- Control system. E. A. Hoxie. 1,947,204; Feb. 13.
- Control system. W. M. Hutchison. 1,948,760; Feb. 27.
- Control system. D. E. Inman. 1,944,741; Jan. 23.
- Control system. L. J. Kinnard. 1,984,308; Dec. 11.
- Control system. C. C. Levy. 1,976,569; Oct. 9.
- Control system. C. W. Littler. 1,951,426; Mar. 20.
- Control system. W. O. Lum. 1,944,988; Jan. 30.
- Control system. W. J. McClachlan. 1,966,208; July 10.
- Control system. J. W. McNairy. 1,960,060; May 22.
- Control system. J. W. McNairy and F. H. Pritchard. 1,972,688; Sept. 4.
- Control system. H. L. Miller. 1,950,256; Mar. 6.
- Control system. W. A. Minkler. 1,985,051; Dec. 18.
- Control system. A. H. Mittag. 1,982,350; Nov. 27.
- Control system. A. H. Mittag and M. A. Edwards. 1,958,245; May 8.
- Control system. G. A. Moffett. 1,954,142; Apr. 10.
- Control system. F. Mohler. 1,943,084; Jan. 9.
- Control system. H. L. Palmer. 1,966,214; July 10.
- Control system. E. B. Patterson. 1,977,997; Oct. 23.
- Control system. D. C. Princen. 1,976,461; Oct. 9.
- Control system. L. R. Rinaldis. 1,970,103; Aug. 14.
- Control system. S. Ruppel. 1,944,846; Jan. 23.
- Control system. G. B. Scheibell. 1,951,446; Mar. 20.
- Control system. W. M. Scott. 1,983,817; Dec. 11.
- Control system. H. T. Seeley. 1,962,943; June 12.
- Control system. H. T. Seeley. 1,964,536; June 26.
- Control system. H. T. Seeley. 1,967,907; July 24.
- Control system. H. M. Stoller. 1,958,596; May 15.
- Control system. C. G. Suits. 1,972,696; Sept. 4.
- Control system. A. M. Trogner. 1,949,590; Mar. 6.
- Control system. V. E. Whitman. 1,942,587; Jan. 9.
- Control system. J. L. Woodworth. 1,966,229; July 10.
- Control system. H. E. Wulding. 1,953,147; Apr. 3.
- Control system. G. E. Young. 1,957,240; May 1.
- Control system and apparatus. H. L. Tanner. 1,964,231; June 26.
- Control system, Automatic. H. A. Wadman and H. W. McIntosh. 1,961,894; June 5.
- Control system for apparatus. R. Jongedyk. 1,962,742; June 12.
- Control system for dynamo-electric machines. W. F. Eames. 1,962,341; June 12.
- Control system for electric circuits, Remote. H. E. Butler. 1,982,368; Nov. 27.
- Control system for electric elevators. E. W. Seeger. 1,944,471; Jan. 23.
- Control system for electric welders. J. V. Caputo. 1,967,198; July 17.
- Control system for electron discharge devices. J. L. Finch. 1,978,706; Oct. 30.
- Control system for elevators, Push button. E. L. Gale. 1,954,354; Apr. 10.
- Control system for elevators, Push button. E. L. Gale. 1,978,670; Oct. 30.
- Control system for escalators, conveyers, and the like. A. S. Fitz Gerald. 1,985,563; Dec. 25.
- Control system for flying shears. F. C. Biggert, jr. 1,984,051; Dec. 11.
- Control system for fuel burners. E. M. Miller. 1,958,093; May 8.
- Control system for furnace combustion air, Automatic. M. Alpern. 1,965,444; July 3.
- Control system for furnaces. R. R. Donaldson, jr. 1,961,343; June 5.
- Control system for gas discharge tubes. L. R. Culver. 1,975,770; Oct. 9.
- Control system for gas-making apparatus, Automatic. W. A. Barr. 1,948,094; Feb. 20.
- Control system for heat treating apparatus. A. F. Betke. 1,969,708; Aug. 7.
- Control system for heaters. W. J. Masoner. 1,985,047; Dec. 18.
- Control system for motion picture machines, Automatic. W. O'Neill. 1,965,254; July 3.
- Control system for motor driven apparatus. P. B. Harwood and N. L. Mortensen. 1,978,082; Oct. 23.
- Control system for power oil burners. V. E. Duemler and G. R. Koeln. 1,972,875; Sept. 11.
- Control system for power plants comprising electric motors and prime movers. H. J. Coates. 1,943,369; Jan. 16.
- Control system for prime movers. P. Faber. 1,985,773; Dec. 25.
- Control system for radio receiving sets. W. Ellman and P. Berhley. 1,950,666; Mar. 13.
- Control system for stabilizing towers, Reflux. H. N. Wade. 1,965,088; July 3.
- Control system for stoker motors. D. J. Jones. 1,969,166; Aug. 7.
- Control system for the transmission of angular Motion. A. Willink. 1,950,427; Mar. 13.
- Control system for track switches. W. H. Reichard. 1,966,418; July 10.
- Control system for vehicles, Fluid operated. A. L. Cash. 1,962,857; June 12.
- Control system for warm air furnaces, Automatic. J. S. Baker. 1,969,113; Aug. 7.
- Control system, Hydraulic. R. W. McLaughlin. 1,983,385; Dec. 4.
- Control system, Indicating. E. V. Bereche. 1,948,498; Feb. 27.
- Control system, Supervisory. C. E. Stewart. 1,945,665; Feb. 6.
- Control valve. A. W. Bolster. 1,947,637; Feb. 20.
- Control valve. A. C. Rowley. 1,980,096; Nov. 6.
- Control valve. J. E. Shaffer. 1,963,872; June 19.
- Control valve, Cold water inlet. L. D. Lovekin. 1,982,582; Nov. 27.
- Control valve, Fluid flow. G. O. Dougherty. 1,960,619; May 29.
- Control valve for fluid operated motors, Automatic. E. W. Davis. 1,957,490; May 8.
- Controller. R. H. Carson. 1,956,004; Apr. 24.
- Controller. R. W. Doeg. 1,948,339; Feb. 20.
- Controller. R. W. Doeg. 1,956,061; Apr. 24.
- Controller, Air operated. R. Beck. 1,954,514; Apr. 10.
- Controller for electric motors. E. W. Seeger. 1,971,921; Aug. 28.
- Controller for internal combustion engine starters, Automatic. G. B. Sayre. 1,981,879-80; Nov. 27.
- Controlling and guiding device for the faller bars of gill boxes. R. Schlumberger. 1,954,200; Dec. 11.
- Controlling apparatus. R. D. McDill. 1,980,816; Nov. 13.
- Controlling apparatus for lighting effects. W. A. Boden. 1,976,005; Oct. 9.
- Controlling device applicable to variable velocity ratio gearing, Hydraulically operated. E. J. de Normanville. 1,974,329; Sept. 18.
- Controlling device comprising a triode. N. A. J. Voorhoeve and F. H. de Jong. 1,972,806; Sept. 4.
- Controlling device for engines. J. Kuttner. 1,981,734; Nov. 20.
- Controlling device for freewheeling clutch lock up. W. Thompson. 1,960,559; May 29.
- Controlling device for heat exchanging apparatus. A. L. Dauphin. 1,962,952; June 12.
- Controlling device for photographic flashlight lamps, Ignition. H. D. Blake. 1,968,597; July 31.
- Controlling heat unit in a thermo engine. A. J. Bocz. 1,982,151; Nov. 27.
- Controlling means. R. C. Osgood. 1,969,759; Aug. 14.
- Controlling means for boilers. L. W. Scott. 1,964,678; June 26.
- Controlling means for electrical equipment. J. F. Timmons. 1,957,479; May 8.
- Controlling means for feed pumps. H. Hillier. 1,953,827; Apr. 3.
- Controlling means for locomotive auxiliary ports. H. J. Titus. 1,950,463; Mar. 13.
- Controlling means for variable speed power transmission mechanisms. F. A. Hayes. 1,943,527; Jan. 16.
- Controlling means for web winding machines. H. E. Neus. 1,977,197; Oct. 16.
- Controlling mechanism especially for greenhouse ventilators. A. F. Cooke. 1,983,521; Dec. 11.
- Controlling mechanism, Foot operated. E. C. Swillick. 1,973,828; Sept. 18.
- Controlling mechanism for internal combustion engines. W. L. McGrath. 1,982,114; Nov. 27.

- Controlling mechanism for power driven machines. D. Parks. 1,965,153; July 3.
- Controlling mechanism for winding drums. C. V. Hallenbeck. 1,949,015; Feb. 27.
- Controlling rate of acceleration and retardation of elevator equipment. J. Eaton. 1,979,102; Oct. 30.
- Controlling system. C. O. Fairchild. 1,970,559; Aug. 21.
- Controlling system. W. Otto. 1,981,827; Nov. 20.
- Controlling system for railroads, Traffic. R. C. Lekae. 1,969,084; Aug. 7.
- Controlling the electrostatic field for insulator bushings. R. Higgins. 1,972,590; Sept. 4.
- Controlling the flow of oil wells, Apparatus for. J. M. Hewgley. 1,974,868; Sept. 25.
- Controlling the ink feed in printing apparatus, Mechanism for. H. P. Brownsey. 1,973,700; Sept. 18.
- Controlling the relative position of rotating elements, Device for. E. La Chapelle. 1,954,323; Apr. 10.
- Controlling the relative speed of two traction members, Device for. J. B. Davidson. 1,984,399; Dec. 18.
- Controlling the supporting strength of resilient vehicle supporting means. G. H. Taber. 1,971,541; Aug. 28.
- Controls for boiler installations. H. C. Mittendorf and A. C. Foster. 1,951,763; Mar. 20.
- Controls for vehicle direction indicators, Electric. A. J. Schmitt. 1,981,671; Nov. 20.
- Convector. R. S. Wentworth. 1,953,324; Apr. 3.
- Convector. R. S. Wentworth. 1,959,013; May 15.
- Convector system for oil cracking. W. T. Simpson. 1,955,568; Apr. 17.
- Convenience outlet. H. E. Slade. 1,971,019; Aug. 21.
- Conversion products of casein. R. Bauer and G. Mauthe. 1,979,601; Nov. 6.
- Conversion products of colophony and a product thereof, Manufacture of. J. Binapfl. 1,952,233; Mar. 27.
- Converter. D. D. Knowles. 1,947,093; Feb. 13.
- Converter. H. Tholstrup. 1,979,422; Nov. 20.
- Convertible body. A. O. Holton. 1,956,616; May 1.
- Convertible chair. A. W. Edberg, M. F. Latora, and R. F. Shultz. 1,955,177; Apr. 17.
- Convertible chair. H. W. Revell. 1,975,664; Oct. 2.
- Convertible fifth wheel. E. H. Allen. 1,971,593; Aug. 28.
- Convertible floor lamp. L. C. Doane. 1,982,203; Nov. 27.
- Convertible game board. W. E. Staff. 1,980,105; Nov. 6.
- Convertible play box. R. G. Bock. 1,961,557; June 5.
- Convertible rack. B. M. Wadkins. 1,975,595; Oct. 2.
- Convertible seat. M. H. N. MacDonald. 1,949,869; Mar. 6.
- Convertible suction cleaner. F. Riebel, jr. 1,944,950; Jan. 30.
- Convertible table. M. A. Lowenberg. 1,976,031; Oct. 9.
- Converting apparatus. W. W. Pagon. 1,945,229; Jan. 30.
- Conveyer. C. A. Adams. 1,943,998; Jan. 16.
- Conveyer. J. M. Alvey. 1,948,090; Feb. 20.
- Conveyer. J. M. Alvey and R. R. Worrall. 1,948,091; Feb. 20.
- Conveyer. J. Bech. 1,975,917; Oct. 9.
- Conveyer. P. H. Burnell. 1,967,921; July 24.
- Conveyer. F. T. Cope. 1,957,698; May 8.
- Conveyer. F. W. Cutler. 1,942,538; Jan. 9.
- Conveyer. N. W. Dorman and J. G. Eisenbach. 1,941,829; Jan. 2.
- Conveyer. L. E. Dupuy. 1,944,734; Jan. 23.
- Conveyer. S. Eggleston. 1,967,747; July 24.
- Conveyer. N. W. Elmer. 1,970,289; Aug. 14.
- Conveyer. L. E. Hirt. 1,941,604; Jan. 2.
- Conveyer. A. O. Hurxthal. 1,964,637; June 26.
- Conveyer. C. S. Jennings. 1,941,899; Jan. 2.
- Conveyer. A. J. Knapp. 1,977,312; Oct. 16.
- Conveyer. W. Löbbe. 1,945,324; Jan. 30.
- Conveyer. A. Neher and H. R. Madson. 1,949,691; Mar. 6.
- Conveyer. T. G. Nyborg. 1,983,484; Dec. 4.
- Conveyer. H. A. Phillips. 1,959,735; May 22.
- Conveyer. N. H. Preble. 1,959,085; May 15.
- Conveyer. A. Redler. 1,970,250; Aug. 14.
- Conveyer. A. Redler. 1,980,088; Nov. 6.
- Conveyer. D. J. Reed. 1,983,492; Dec. 4.
- Conveyer. F. A. Schmidt and H. H. Kramer. 1,962,879; June 12.
- Conveyer. R. R. Worrall. 1,941,525; Jan. 2.
- Conveyer apparatus. H. C. Keller. 1,963,791; June 19.
- Conveyer, Article assembling. E. L. Patten. 1,953,256; Apr. 3.
- Conveyer attachment for tunnel shovels. J. P. Porter. 1,965,000; July 3.
- Conveyer, Automatic continuous freight. J. A. Taylor. 1,963,567; June 19.
- Conveyer belt. W. J. Mann. 1,969,809; Aug. 14.
- Conveyer, Belt. S. A. Miller. 1,977,886; Oct. 23.
- Conveyer, Belt or band. F. J. and E. West. 1,945,300; Jan. 30.
- Conveyer, Bottle. F. P. Perkins. 1,964,997; July 3.
- Conveyer chain. A. Gilstad. 1,965,285; July 3.
- Conveyer chain. A. H. Schmidtke. 1,944,374; Jan. 23.
- Conveyer chain. R. J. Wynne and P. H. Meyer. 1,966,659; July 17.
- Conveyer, Coal. F. T. Stockdale. 1,949,847; Mar. 6.
- Conveyer, Double drag. F. Griffith. 1,962,713; June 12.
- Conveyer drive. H. Stibbs. 1,960,719; May 29.
- Conveyer driving mechanism. M. Low. 1,974,826; Sept. 25.
- Conveyer, Endless. A. R. De Wahl. 1,985,535; Dec. 25.
- Conveyer, Endless. F. E. Wasson. 1,974,129; Sept. 18.
- Conveyer, Endless belt. J. N. O. Rogers and T. Charlton. 1,977,147; Oct. 16.
- Conveyer feed milling machine. W. Sinclair. 1,974,660; Sept. 25.
- Conveyer, Flexible. H. E. Twomley. 1,962,372; June 12.
- Conveyer, Fluid current. W. B. Thompson. 1,942,879; Jan. 2.
- Conveyer, Footwear assembling. E. H. Clark. 1,953,215; Apr. 3.
- Conveyer, Footwear assembling. E. L. Patten. 1,953,255; Apr. 3.
- Conveyer for bolts. W. B. Peirce. 1,953,257; Apr. 3.
- Conveyer for bottle washers. F. L. Darling. 1,977,670; Oct. 23.
- Conveyer for feeding corn-husking machines. O. S. Sells and H. J. Wheeler. 1,948,545; Feb. 27.
- Conveyer for furnaces, Walking beam. J. R. Moser and E. G. De Coriolis. 1,964,297; June 26.
- Conveyer for shoe factories. P. Mattler. 1,977,732; Oct. 23.
- Conveyer for use in mines or otherwise. W. S. Williams. 1,976,676; Oct. 9.
- Conveyer, Glassware. E. G. Bridges. 1,946,452; Feb. 6.
- Conveyer, Jigger. H. Grube. 1,944,790; Jan. 23.
- Conveyer, Live roller. S. Eggleston. 1,959,157; May 15.
- Conveyer loading device. V. Beplate. 1,967,213; July 24.
- Conveyer mechanism. W. F. Heineman. 1,979,799; Nov. 6.
- Conveyer mechanism. H. C. Keller. 1,955,427; Apr. 17.
- Conveyer mechanism. H. C. Keller and L. E. Dupuy. 1,949,964; Mar. 6.
- Conveyer mechanism. E. B. Kramer. 1,983,471; Dec. 4.
- Conveyer mechanism. A. W. Lemmon. 1,973,005; Sept. 11.
- Conveyer mechanism. W. A. Marcy. 1,984,685; Dec. 18.
- Conveyer or screening apparatus. S. Symington. 1,958,322; May 8.
- Conveyer, Press. C. G. Muench. 1,949,917; Mar. 6.
- Conveyer, Pneumatic. F. P. Bingman. 1,979,138; Oct. 30.
- Conveyer, Pneumatic. F. Schicht. 1,979,176; Oct. 30.
- Conveyer, Pneumatic cleaning. H. F. Hebley and K. Prins. 1,973,707; Sept. 18.
- Conveyer, Reciprocating. T. Brauer. 1,971,292; Aug. 21.
- Conveyer, Roller. E. Stonefield and R. Haley. 1,949,817; Mar. 6.
- Conveyer, Sectional. W. E. Channell. 1,959,457; May 22.
- Conveyer, Self loading. C. A. Young. 1,985,133; Dec. 18.
- Conveyer, Separating. A. S. Mackenzie. 1,953,245; Apr. 3.
- Conveyer, Stable cleaning. D. R. Pomeroy. 1,958,955; May 15.
- Conveyer stop announcing system. J. O. Prescott and E. W. Franck. 1,948,077; Feb. 20.
- Conveyer system. L. C. Allen. 1,972,969; Sept. 11.
- Conveyer system. F. W. Cutler. 1,967,397; July 24.
- Conveyer system. E. J. De Witt. 1,969,122; Aug. 7.
- Conveyer system. L. E. Dupuy. 1,945,482; Jan. 30.
- Conveyer system. L. E. Dupuy. 1,974,042; Sept. 18.
- Conveyer system. J. J. Dvorak. 1,951,400; Mar. 20.
- Conveyer system. G. A. Grassby, jr. 1,941,891; Jan. 2.
- Conveyer system. L. D. Hess and C. R. Libby. 1,982,102; Nov. 27.
- Conveyer system. H. M. Larsen and H. D. Bredehorn. 1,962,745; June 12.
- Conveyer system for handling washing machine tubs during the process of enameling. C. G. Challinor. 1,949,991; Mar. 6.
- Conveyer transfer mechanism. B. Beardsley. 1,945,475; Jan. 30.
- Conveyer, Tray. R. E. de Kay. 1,973,750; Sept. 18.
- Conveyer, type of pair or pack furnace. T. J. Costello. 1,941,599; Jan. 2.
- Conveyer wheel. P. E. Angle. 1,945,506; Feb. 6.
- Conveyers, Apparatus for regulating the operation of. G. Wunsch. 1,982,564; Nov. 27.
- Conveying and flattening device for small bags filled with tea or the like. A. Rambold. 1,976,691; Oct. 9.
- Conveying and grouping machine. S. C. and H. M. Simmons. 1,984,659; Dec. 18.
- Conveying and straightening apparatus. P. B. Abramsen. 1,979,134; Oct. 30.
- Conveying apparatus. K. Heinemann. 1,941,938; Jan. 2.
- Conveying apparatus. J. H. Morrow. 1,941,572; Jan. 2.
- Conveying apparatus, Pneumatic. G. Bernert. 1,967,462; July 24.
- Conveying apparatus, Portable. J. H. Morrow. 1,971,425; Aug. 28.
- Conveying device for use in bakeries. H. P. den Boer. 1,945,886; Feb. 6.
- Conveying means for mills. G. L. Fisk. 1,960,307; May 29.
- Conveying mechanism. J. R. Brodbeck. 1,946,453; Feb. 6.
- Conveying mechanism. A. D. Evans and H. H. Clark. 1,946,458; Feb. 6.
- Conveying mechanism. J. W. Harding. 1,979,878; Nov. 6.
- Conveying mechanism. A. G. Rose. 1,974,931; Sept. 25.
- Conveying mechanism for stitching machines and the like. I. R. Metcalf. 1,968,415; July 31.
- Conveying system. J. H. Morrow. 1,941,573; Jan. 2.
- Conveying system. E. M. Yost. 1,968,547; July 31.
- Conveying system for wood grinders. C. H. Burr. 1,982,901; Dec. 4.
- Cooker. P. P. Boehmer. 1,944,632; Jan. 23.
- Cooker. F. Lotz. 1,946,220; Feb. 6.
- Cooker. C. Rosellini. 1,941,580; Jan. 2.

- Cooker. C. B. Upton. 1,942,624; Jan. 9.
 Cooker, Adjustable-can-track. A. R. Thompson. 1,959,395; May 22.
 Cooker adjuster. Meatz. J. L. Collins. 1,970,168; Aug. 14.
 Cooker and like apparatus. Steam. G. C. Creasy. 1,983,899; Dec. 11.
 Cooker, cooler and the like, Pressure. A. R. Thompson. 1,976,754; Oct. 16.
 Cooker, Egg. J. Baggiolini. 1,981,578; Nov. 20.
 Cooker, Electric. E. S. Savage. 1,955,026; Apr. 17.
 Cooker or similar article, Pressure. P. E. Willman. Des. 93,592; Oct. 9.
 Cooker, Pressure. F. D. Chapman. 1,952,419; Mar. 27.
 Cooker, Pressure. C. Nelson. Des. 92,420; June 5.
 Cooker, Pressure. C. Nelson. Des. 93,882; Nov. 20.
 Cooker, Pressure. C. Nelson. 1,973,442; Sept. 11.
 Cooker, Steam. J. Thomas. 1,958,978; May 15.
 Cooking and toasting. R. W. Shenton. 1,954,894; Apr. 17.
 Cooking apparatus. H. T. Hunter. 1,965,241; July 5.
 Cooking apparatus. J. J. Kaufmann. 1,966,411; July 10.
 Cooking apparatus, Automatic. H. Price. 1,977,454; Oct. 16.
 Cooking apparatus, Separable unit. J. Teller and A. P. Schultz. 1,973,273; Sept. 11.
 Cooking appliance. J. E. Smith. 1,947,232; Feb. 13.
 Cooking, cooling, and testing process. J. B. High. 1,950,304; Mar. 6.
 Cooking device. S. Stepkin. 1,979,501; Nov. 6.
 Cooking device, Combination. A. N. Becker and J. F. Martin. 1,954,235; Apr. 10.
 Cooking device, Electrical. A. Greenman. 1,956,283; Apr. 24.
 Cooking equipment. H. C. Maul. 1,978,544; Oct. 30.
 Cooking machine. I. F. McDonald. 1,981,875; Nov. 27.
 Cooking vessel. W. M. Schultz. 1,968,786; July 31.
 Cooking vessel or similar article. W. I. Tyner. Des. 91,285; Jan. 2.
 Cooky. M. D. MacKinnon. Des. 91,491; Feb. 13.
 Cooky. F. C. Werner. Des. 92,508; June 12.
 Cooky caddy. A. E. Bergquist. 1,948,326; Feb. 20.
 Cooky cutter. A. H. Carlson. 1,957,319; May 1.
 Cooky machine. F. C. Werner. 1,971,087; Aug. 21.
 Cooky molding machine. H. E. Nelson. 1,981,186; Nov. 20.
 Cooky press. F. C. Werner. 1,964,969; July 3.
 Cooler: See—
 Air cooler. Milk cooler.
 Beer cooler. Oil cooler.
 Beverage cooler. Portable cooler.
 Bottle cooler. Room cooler.
 Car cooler. Unit cooler.
 Household air cooler. Water cooler.
 Liquid cooler.
 Cooler. F. G. Baum. 1,951,962; Mar. 20.
 Cooler. F. L. Laporte. 1,985,043; Dec. 18.
 Cooler. A. Novotny. 1,962,997; June 12.
 Cooler and deodorizer, Milk. O. C. Harris. 1,942,058; Jan. 2.
 Cooler and filter, Water. B. H. T. Mulch. 1,960,975; May 29.
 Cooler and ice box, Combination. W. A. Haydel. 1,943,938; Jan. 16.
 Cooler and method of cooling water, Water. A. Gudmundsen. 1,941,798; Jan. 2.
 Cooler for bottled beverages or the like, Dispensing. C. A. Frick. Des. 91,519; Feb. 20.
 Cooler for dry and wet cooling bottled goods. G. L. Stebler. Des. 92,437-8; June 5.
 Cooler for liquids. A. H. Baer. 1,944,056; Jan. 16.
 Cooler for liquids. A. H. Baer. 1,976,872; Oct. 16.
 Cooling and carbonating attachment for receptacles. F. A. Block. 1,946,962; Feb. 13.
 Cooling and moistening material. O. Lee. 1,942,897; Jan. 9.
 Cooling and ventilating device. R. F. Kehrberg. 1,941,864; Jan. 2.
 Cooling apparatus. B. S. Foss and S. M. Anderson. 1,958,890; May 15.
 Cooling apparatus. W. M. Morgan. 1,983,301; Dec. 4.
 Cooling apparatus. M. D. Woodruff, W. H. Mechlin, and J. Markley. 1,958,291; May 8.
 Cooling apparatus for beer or other beverage contained in casks. T. S. and F. L. S. Murray. 1,962,322; June 12.
 Cooling, Art and apparatus for. G. E. Hulse. 1,943,315; Jan. 16.
 Cooling, Art and apparatus for. G. E. Hulse and J. D. Strobell. 1,943,970; Jan. 16.
 Cooling bank plant with several delivery channels. F. Zabel. 1,978,153; Oct. 23.
 Cooling device. J. Aiken. 1,944,726; Jan. 23.
 Cooling device. H. E. Cann. 1,982,570; Nov. 27.
 Cooling device. G. A. Gloor and M. Banke. 1,983,285; Dec. 4.
 Cooling device. K. Kronborg and B. P. Finkbone. 1,954,388; Apr. 10.
 Cooling device. F. Piscetta. 1,977,526; Oct. 16.
 Cooling device for the glass plates of copying frames. A. Rottmann. 1,976,143; Oct. 9.
 Cooling device for tires. R. Gollert. 1,956,739; May 1.
 Cooling element for refrigerating systems. R. S. Taylor. 1,973,127; Sept. 11.
 Cooling element, Secondary. R. S. Taylor and R. A. Heim. 1,942,458; Jan. 9.
 Cooling indirectly. P. Schlumbohm. 1,975,868; Oct. 9.
 Cooling means. P. R. Dijksterhuis. 1,975,634; Oct. 2.
 Cooling means for bearings. M. Vogel Jorgensen. 1,959,451; May 22.
 Cooling means for conductors. C. M. Laffoon and B. A. Rose. 1,985,040; Dec. 18.
 Cooling of internal-combustion engines. F. M. Green. 1,962,685; June 12.
 Cooling or freezing, Apparatus for. M. H. Ackerman. 1,960,074-5; May 22.
 Cooling system. E. E. Glenn. 1,963,786; June 19.
 Cooling system. E. S. Read. 1,949,812; Mar. 6.
 Cooling system. D. B. Williams. 1,985,198; Dec. 18.
 Cooling system for automobiles. C. D. Burney. 1,979,191; Oct. 30.
 Cooling system for electric discharge devices. O. Seitz. 1,975,484; Oct. 2.
 Cooling system for electrical cables. F. W. Gay. 1,948,964; Feb. 27.
 Cooling system for internal combustion engines. F. Ljungström. 1,980,811; Nov. 13.
 Cooling system for motor vehicle engines. H. Meadows. 1,949,753; Mar. 6.
 Cooling system for self propelled vehicles. F. R. Fageol. 1,969,172; Aug. 7.
 Cooling unit. H. A. Greenwald. 1,982,429; Nov. 27.
 Cooling unit. D. K. Hess. 1,942,288; Jan. 2.
 Cooling unit. W. W. Williams and G. F. Zellhoefer. 1,950,346; Mar. 6.
 Cooling unit for mechanical refrigeration. G. J. Smith. 1,942,842; Jan. 9.
 Cooling unit for refrigerating machines. L. S. Chadwick, M. Resek, and T. B. Focke. 1,985,816; Dec. 25.
 Cooling unit for refrigerating systems. M. F. Booth. Re19,136; Apr. 10.
 Cooling unit for refrigerating systems. E. R. Hopkins. 1,975,945; Oct. 9.
 Cooling unit for refrigerating systems. W. H. Smith. 1,959,934; May 22.
 Coop, Chicken. D. C. Wodrich. 1,966,840; July 17.
 Coordinating mechanism for packaging and wrapping machines and package transfer mechanism therefor. G. H. Little. 1,961,697; June 5.
 Cop holder. J. A. Anderson. 1,974,002; Sept. 18.
 Cop or quill. G. A. Anderson. 1,980,311; Nov. 13.
 Cop-tube holder. G. N. Taylor. 1,966,152; July 10.
 Cop winding. E. E. Winkley. 1,978,850; Oct. 30.
 Copies, Preparing. M. P. Schmidt and G. von Poser. 1,967,371; July 24.
 Coping saw frame. D. E. Priest. 1,959,218; May 15.
 Coping, Wall. G. M. Schaulin. 1,972,819; Sept. 4.
 Copper alloy. W. B. Price. 1,976,803; Oct. 16.
 Copper alloy and making the same, High electro-conductive. D. K. Crampton and J. J. Vreeland. 1,969,702; Aug. 7.
 Copper alloy for chill and die casting. E. Vaders. 1,954,003; Apr. 10.
 Copper alloys. W. B. Price. 1,956,251; Apr. 24.
 Copper alloys, particularly wrought copper alloys, Welding. M. J. Wall. 1,961,117; May 29.
 Copper-ammonia-fibroid solutions. K. Börner, E. Rossner, H. Mahn, and W. Irion. 1,955,221; Apr. 17.
 Copper and copper alloys, Coloring. J. R. Freeman and P. H. Kirby. 1,951,304; Mar. 13.
 Copper and copper alloys, Treating. C. E. Irion. 1,942,923; Jan. 9.
 Copper and other metals, Method and apparatus for galvanic deposition of. W. Koehler. 1,952,850; Mar. 27.
 Copper and other metals, Treatment of. C. E. Holley. 1,958,754; May 15.
 Copper and zinc ores, Differential flotation of sulphureted. E. M. C. Barthelemy. 1,950,537; Mar. 13.
 Copper base alloy. R. F. Bolam. 1,985,814; Dec. 25.
 Copper base alloy. S. Tour. 1,959,509; May 22.
 Copper-base alloys. D. K. Crampton and H. L. Burghoff. 1,962,637; June 12.
 Copper beryllium alloy. G. Masing and W. Pocher. 1,962,606; June 12.
 Copper, Hardening or tempering of. J. V. Chicon. 1,981,718; Nov. 20.
 Copper-indium alloy. D. Gray and W. S. Murray. 1,960,740; May 29.
 Copper matte, Converting. T. W. Cavers and G. M. Lee. 1,966,376; July 10.
 Copper oxide-ammonia cellulose solution, New. E. Hubert and K. Weisbrod. 1,947,939; Feb. 20.
 Copper, Process and composition for hardening. C. E. Moyer. 1,943,738; Jan. 16.
 Copper, Recovery of oxidized. H. E. Keyes. 1,971,416; Aug. 28.
 Copper, Refining. P. M. Hulme and F. X. Banz. 1,965,190; July 3.
 Copper, Refining. J. W. Scott. 1,948,316; Feb. 20.
 Copper salt composition, particularly as a preservative liquid for treating timber fabric and other materials. J. V. Eyre and H. Langwell. 1,969,213; Aug. 7.
 Copper sulphate from metallic copper and its alloys, Making. H. P. Corson. 1,949,928; Mar. 6.
 Copper sulphate in solution from metallic or scrap copper and dilute sulphuric acid, Production of. D. W. and B. H. Marsh. 1,944,444; Jan. 23.
 Copper to produce dense castings low in oxygen, Melting. R. S. Archer and M. A. Matush. 1,955,726; Apr. 24.
 Copper with cellulose acetate lacquer, Coating. E. R. Taylor and H. I. Davis. 1,946,647; Feb. 13.
 Copy holder. G. C. Cochrane. 1,948,024; Feb. 20.
 Copy holder. A. L. Fitz Gerald. Des. 94,127; Dec. 25.
 Copyholder. J. Phelps. 1,985,740; Dec. 25.

- Copyholder. H. I. Richards. 1,970,770; Aug. 21.
 Copyholder. F. M. Sperling. 1,980,300; Nov. 13.
 Copy holder. B. E. Van Alstyne. 1,950,706; Mar. 13.
 Copy holder. B. E. van Alstyne. 1,969,916; Aug. 14.
 Copyholder. B. E. Van Alstyne. 1,980,709; Nov. 13.
 Copyholder. B. E. Van Alstyne. 1,984,711; Dec. 18.
 Copyholder. H. A. Weaver. 1,962,540; June 12.
 Copyholder for typewriters. J. E. Caesar and W. E. C. Meisterling. 1,958,417; May 15.
 Copy holding apparatus, Photographic. P. Landrock. 1,970,381; Aug. 14.
 Copy-preparing machine. A. W. Buckwell. 1,949,036; Feb. 27.
 Copy printing machine. H. D. Atwood. 1,968,814; Aug. 7.
 Copywriters, Ribbon feed means for. C. H. Thornblade. 1,955,372; Apr. 17.
 Copying and engraving machine. K. Zwick. 1,972,910; Sept. 11.
 Copying machine. H. Jagger. 1,955,499; Apr. 17.
 Copying machine. C. W. Jean. 1,983,133; Dec. 4.
 Copying machine. L. J. Sauer. 1,960,031; May 22.
 Copying on machine tools, Device for. F. Stein. Re19,334; Oct. 2.
 Copying process for zincography. K. Droege. 1,959,947; May 22.
 Cord. E. E. Strawn. 1,972,607; Sept. 4.
 Cord, Apparatus for twisting. W. J. Hamburger and W. L. Thayer. 1,948,460; Feb. 20.
 Cord clamp for portable electric tools. H. C. Preston. 1,950,036; Mar. 6.
 Cord extension device, Electric. E. M. Apple and J. Strumia. 1,978,734; Oct. 30.
 Cord, Radioreceiver and resistance. C. T. Mason and B. B. Minnum. 1,978,053; Oct. 23.
 Cord reel and making the same. D. B. Replogle. 1,983,565; Dec. 11.
 Cord retaining device, Electric lamp. L. Brosilow, W. Markoff, and J. Orosz. 1,947,517; Feb. 20.
 Cord ring, Window shade. S. J. Johnson. Des. 93,828; Nov. 13.
 Cord, Rubber. C. Cosman. 1,963,226; June 19.
 Cord slack, Device for taking up heater. A. Gattinger. 1,974,811; Sept. 25.
 Cord take-out and pay-out for electric lamps, Automatic. L. Brosilow, W. Markoff, and J. Orosz. 1,946,128; Feb. 6.
 Cord take-up device, Electric. J. Namet. 1,977,347; Oct. 16.
 Cord take-up reel. H. C. Metter. 1,978,644; Oct. 30.
 Cordage or twine, Composite. M. C. Dodge. 1,981,312; Nov. 20.
 Cords, Process and apparatus for making filled and coated. E. F. Gallaudet. 1,974,453; Sept. 25.
 Core. I. W. Glazner. 1,975,038; Sept. 25.
 Core and making cores. F. E. Henderson. 1,959,426; May 22.
 Core bit plug attaching device. L. E. Garfield. 1,954,777; Apr. 10.
 Core cap, Extension. E. W. Bebie. 1,947,032; Feb. 13.
 Core capping machine. E. W. Bebie and G. W. Dodge. 1,976,155; Oct. 9.
 Core covering machine. R. E. Getchell. 1,970,228; Aug. 14.
 Core drill. C. A. Dean. 1,984,867; Dec. 18.
 Core drill. G. G. Harrington. 1,952,165; Mar. 27.
 Core drill. J. H. Howard and A. C. Catland. 1,978,085; Oct. 23.
 Core for building superballoon tires. J. S. Ward. 1,952,399; Mar. 27.
 Core for cinematograph film stock. J. W. W. Smith. Des. 93,640; Oct. 16.
 Core forming mechanism. P. H. Romph. 1,950,632; Mar. 13.
 Core knock-out and cleaning apparatus for castings and the like, Hydraulic. W. A. Rosenberger. 1,941,915; Jan. 2.
 Core laminations, Apparatus for forming. J. C. Daley. 1,962,432; June 12.
 Core laminations, Making. J. C. Daley. 1,962,431; June 12.
 Core loosener. C. P. Newman. 1,965,352; July 3.
 Core machine. F. M. Thomas. 1,956,232; Apr. 24.
 Core machine, Rotary. J. W. Athey. 1,961,656; June 5.
 Core molding apparatus. W. Peyerlinghaus. 1,968,703; July 31.
 Core orienting instrument. M. C. Allen. 1,954,115; Apr. 10.
 Corepulling and ejecting mechanism. L. H. Morin. 1,941,811; Jan. 2.
 Corer, Citrus fruit. C. C. Schiller. 1,977,017; Oct. 16.
 Cores from tires, Method and apparatus for removing. R. D. Hulslander. 1,979,552; Nov. 6.
 Cores in tire casings, Method and apparatus for mounting expandable. H. D. Stevens. 1,944,767; Jan. 23.
 Cores or samples from wells, Device for taking. C. E. Bannister. 1,955,166; Apr. 17.
 Coring apparatus, Pear. J. P. Bem. 1,950,652; Mar. 13.
 Coring machine. M. Ewald. 1,948,459; Feb. 20.
 Cork pulling device. E. R. Collette. 1,981,781; Nov. 20.
 Corn combine. E. R. Elliott. 1,968,998; Aug. 7.
 Corn coverer. F. W. Greimann. 1,943,219; Jan. 9.
 Corn cutter. O. H. Hansen. 1,975,574; Oct. 2.
 Corn cutter. J. C. McIntyre. 1,933,557; Dec. 11.
 Corn for preserving, Improving sweet. M. R. Daughters. 1,969,730; Aug. 14.
 Corn harvesting machine. N. R. Krause. 1,947,556; Feb. 20.
 Corn husker. G. Wandscheer. 1,976,869; Oct. 16.
 Corn husking machine, Green. W. W. Morral. 1,963,141; June 19.
 Corn husking mechanism. H. Synck. 1,977,810; Oct. 23.
 Corn picker. W. J. Coultas. 1,945,364; Jan. 30.
 Corn picker. E. E. Metcalf. 1,945,119; Jan. 30.
 Corn picker and attaching the same to a tractor. G. R. Binau. 1,943,284; Jan. 16.
 Corn picker-sheller. N. R. Krause. 1,969,016; Aug. 7.
 Corn planter attachment. A. Miller. 1,980,074; Nov. 6.
 Corn popper. G. J. Spier. 1,978,173; Oct. 23.
 Corn popper. F. A. Young, jr. 1,976,425; Oct. 9.
 Corn popping apparatus. C. Cretors. 1,941,973; Jan. 2.
 Corn popping machine, Automatic. F. I. Roach. 1,976,142; Oct. 9.
 Corn shock snubber and lifter. L. O. Koch. 1,946,974; Feb. 13.
 Corner construction for tables. W. Berssenbrugge. 1,957,195; May 1.
 Corner lock. H. Richardson. 1,952,094; Mar. 27.
 Corners, Forming pointed. E. B. Roby and H. C. Underwood. 1,965,968; July 10.
 Corpse-handling device. J. E. Baker. 1,948,611; Feb. 27.
 Correction for changes in line transmission. C. W. Green. 1,956,715; May 1.
 Corrosion and corrosion resisting joints, Preventing. C. Dantszen. 1,979,961; Nov. 6.
 Corrosion inhibitor. W. S. Calcott. 1,961,194; June 5.
 Corrosion of metallic objects, Preventing. J. F. Putnam. 1,948,007; Feb. 20.
 Corrosion of steel and cast iron, Increasing the resistance to. E. H. Schulz and K. Carlus. 1,974,435; Sept. 25.
 Corrosion prevention. A. H. J. Otto and J. F. van Holst. 1,968,093; July 31.
 Corrosion, Prevention of. M. De Groote, W. C. Adams, and K. R. Farr. 1,966,711; July 17.
 Corrosion resistant article. F. M. Becket. 1,943,782; Jan. 16.
 Corrugated board. C. L. Keller. 1,949,255; Feb. 27.
 Corrugated tube. M. Knab. 1,983,469; Dec. 4.
 Corrugator. S. M. Langston. 1,948,080; Jan. 9.
 Corrugator. L. J. List. 1,954,881; Apr. 17.
 Corrugator. L. J. List. 1,960,677; May 29.
 Corrugator. K. Sieg. 1,947,066; Feb. 13.
 Corsage holder. C. Murray. 1,965,152; July 3.
 Corsage pin. C. Murray. Des. 93,176; Aug. 28.
 Corset. J. Leonard. 1,978,092; Oct. 23.
 Corset. R. B. Quine. 1,942,038; Jan. 2.
 Corset. L. V. and J. A. Rice. 1,977,245; Oct. 16.
 Corset and brassiere. W. G. Weber. 1,977,028; Oct. 16.
 Corset and diaphragm support, Combined. B. M. Stradling. 1,969,952; Aug. 14.
 Corset and the like. G. E. Hawes. Re19,264; Aug. 7.
 Corset material and making the same, Perforated. R. J. Dunn and H. D. McLean. 1,981,909; Nov. 27.
 Corundum product and producing same. E. L. Hauman. 1,966,407; July 10.
 Cosmetic applicator. J. T. Dorrance. 1,952,659; Mar. 27.
 Cosmetic box. P. H. Douglas. 1,985,358; Dec. 25.
 Cosmetic box. A. E. Mullen. 1,959,685; May 22.
 Cosmetic composition. H. H. Beckwith and F. O. Woodruff. 1,968,475; July 31.
 Cosmetic container. G. C. Fullmer. 1,978,193; Oct. 23.
 Cosmetic container. N. Kasdan. 1,942,928; Jan. 9.
 Cosmetic container. A. V. King. 1,973,903; Sept. 18.
 Cosmetic container. H. D. Snider. 1,949,636; Mar. 6.
 Cosmetic holder. I. L. Ferris and G. C. Fullmer. 1,967,301; July 24.
 Cosmetic holder. A. Hagel. 1,978,196; Oct. 23.
 Cosmetic preparation. N. D. Harvey, jr. 1,979,385; Nov. 6.
 Cosmetics, Device for aiding in the selection of. H. Radzinsky. 1,979,119; Oct. 30.
 Cot, cradle, and the like. H. Mote. 1,972,027; Aug. 28.
 Cot, Folding. M. J. Byers. 1,944,064; Jan. 16.
 Cot, Folding. H. Gursky and M. Volkes. Re19,355; Oct. 30.
 Cotton and other fibers in revolving flat carding engines, Dealing with flat strippings of. H. Wilkinson. 1,962,945; June 12.
 Cotton baling machine. M. Bethel. 1,985,438; Dec. 25.
 Cotton bat protector, Broken. F. N. Ross and H. L. Johnson. 1,948,634; Feb. 27.
 Cotton batting in containers, Packing. C. A. Muggleton. 1,972,690; Sept. 4.
 Cotton breaker. F. N. Ross. 1,946,113; Feb. 6.
 Cotton cleaner. J. A. Streun. 1,979,017; Oct. 30.
 Cotton cleaning and ginning apparatus. A. S. Mackenzie. 1,971,421; Aug. 28.
 Cotton cleaning and reclaiming machine. J. E. Mitchell. 1,963,241; June 19.
 Cotton compress. W. M. Seelgison. 1,975,295; Oct. 2.
 Cotton condenser. T. Elliott. 1,946,784; Feb. 13.
 Cotton drier. A. A. Newton. 1,951,879; Mar. 20.
 Cotton drying apparatus. J. E. Mitchell. 1,962,320; June 12.
 Cotton extracting and cleaning machine. J. E. Mitchell. 1,945,783; Feb. 6.
 Cotton fibers, Mercerizing. A. Nitsche. 1,980,498; Nov. 13.
 Cotton gin. T. A. Pratt. 1,965,001; July 3.
 Cotton gin. J. J. White. 1,971,362; Aug. 28.
 Cotton harvesting machine. A. E. Koon. 1,971,349; Aug. 28.

- Cotton huller and cleaner. J. J. Wallace. 1,967,567; July 24.
- Cotton. Method of and apparatus for drying. J. E. Mitchell. 1,942,868; Jan. 9.
- Cotton. Method of and apparatus for picking. R. S. Curley. 1,945,259; Jan. 30.
- Cotton moistening device. B. McGinnis. 1,956,450; Apr. 24.
- Cotton. Oiling and moistening. G. Hill. 1,973,761; Sept. 18.
- Cotton picker. W. A. Martin. 1,942,969; Jan. 9.
- Cotton picker. J. E. Waggoner. 1,953,639; Apr. 3.
- Cotton picker, Mechanical. A. R. Nisbet. 1,961,447; June 5.
- Cotton picking machine. E. M. Wilson. 1,949,032; Feb. 27.
- Cotton picking means. O. H. Basquin, C. Harazin, and G. T. Gerlach. 1,942,405; Jan. 9.
- Cotton picking mechanism. H. G. Prouty and J. Bardwell. 1,953,313; Apr. 3.
- Cotton seed cleaner. T. J. Kidd. 1,960,497; May 29.
- Cotton separating machine. J. C. Quigley. 1,961,431-2; June 5.
- Cotton separator. J. A. Streun. 1,949,766; Mar. 6.
- Cotton stripper. B. Morse. 1,950,902; Mar. 13.
- Cotton sweepings, Cleaning. J. W. Bowersox. 1,980,747; Nov. 13.
- Cotton treatment method and apparatus. S. Green. 1,964,259; June 26.
- Couch bed. G. A. Johnson. 1,955,634; Apr. 17.
- Couch, Double bed. W. B. Foster. 1,976,443; Oct. 9.
- Couch or davenport, Folding. W. E. Frank. 1,945,186; Jan. 30.
- Coumarin. Purification of crude. E. Clemmensen. 1,945,182; Jan. 30.
- Coumarin. Purification of crude. E. Clemmensen. 1,945,184; Jan. 30.
- Counter. C. L. Hobart. 1,963,327; June 19.
- Counter. F. W. Kraft. 1,975,157; Oct. 2.
- Counter. E. A. Slye. 1,980,232; Nov. 13.
- Counter and display stand, Combined. M. Kaarstad. Des. 92,402; June 5.
- Counter and diverter for can body machines. C. Hansen. 1,966,387; July 10.
- Counterbalance. T. J. Mosher. 1,956,158; Apr. 24.
- Counterbalance and loading and unloading device therefor. R. A. Norling. 1,971,498; Aug. 28.
- Counter-balance for locomotive drive wheel centers. H. E. Doerr. 1,976,546; Oct. 9.
- Counterbalance, Frictional. G. E. Geise. 1,963,199; June 19.
- Counterbalance, Motorized. W. M. Jones. 1,951,613; Mar. 20.
- Counterbalancing. W. G. Corey. 1,948,288; Feb. 20.
- Counterbalancing device. R. R. Bloss and R. C. Pfeil. 1,952,650; Mar. 27.
- Counterbalancing device. R. R. Bloss and R. C. Pfeil. 1,956,341; Apr. 24.
- Counterbalancing device for oven doors. S. Rasmussen. 1,954,182; Apr. 10.
- Counter boring tool. L. V. D. Harris. 1,955,631; Apr. 17.
- Counter calculating and registering machine. J. E. W. Greve. 1,973,896; Sept. 18.
- Counter control. J. W. Bryce. 1,965,974; July 10.
- Counter control, Automatic. O. J. Sundstrand. 1,946,823; Feb. 13.
- Counter-current condenser. H. E. Byer. 1,981,989; Nov. 27.
- Counter-current leaching process. A. Schaus. 1,957,182; May 1.
- Counter-current treating. Method and apparatus for. W. C. Child and G. A. Reiswenger. 1,951,787; Mar. 20.
- Counter-current washing. Method and apparatus for. P. J. Harrington. 1,943,822; Jan. 16.
- Counter dispensing device. H. V. Marsh. 1,966,676; July 17.
- Counter dispensing device. H. V. Marsh. 1,974,926; Sept. 25.
- Counter display case. C. E. Harter. 1,951,695; Mar. 20.
- Counter display case. F. J. Petzke. Des. 91,496; Feb. 13.
- Counter display package. B. T. Hoffmaster. 1,982,663; Dec. 4.
- Counter fixture, Knockdown. M. T. Johnston. 1,946,533; Feb. 13.
- Counterflow leaching system. A. Fleischer. 1,964,382; June 26.
- Counter, Fruit. F. Ahlburg. 1,967,732; July 24.
- Counterpoise for weighing scales, Double reading. F. V. Waltz. 1,954,230; Apr. 10.
- Counter, Printing. B. A. Ford. 1,944,659; Jan. 23.
- Counter set-up rack. B. M. Oswell. 1,983,187; Dec. 4.
- Countersinking machine. H. M. Johnston. 1,951,093; Mar. 13.
- Counter-weight, Adjustable. H. C. Jones. 1,967,442; July 24.
- Counting and calculating device. S. Badanes. 1,977,842; Oct. 23.
- Counting device. W. J. Thompson. 1,979,585; Nov. 6.
- Counting of microscopic bodies, such as blood corpuscles. F. Twyman and D. H. Follett. 1,974,522; Sept. 25.
- Coupler. F. S. Barks. 1,959,517; May 22.
- Coupler. F. S. Barks. 1,966,278; July 10.
- Coupler. A. P. Fox and W. Z. Linders. 1,959,529; May 22.
- Coupler. A. H. Hardman and B. L. Helfer. 1,958,662; May 15.
- Coupler. E. P. Kinne. 1,972,940; Sept. 11.
- Coupler. E. P. Kinne. 1,978,584; Oct. 30.
- Coupler. E. P. Kinne. 1,981,179; Nov. 20.
- Coupler. E. P. Kinne. 1,981,918; Nov. 27.
- Coupler. E. P. Kinne. 1,985,036; Dec. 18.
- Coupler. E. P. Kinne and F. H. Kayler. 1,942,759; Jan. 9.
- Coupler. E. A. Larsson. 1,973,570; Sept. 11.
- Coupler. W. F. Richards. 1,952,778; Mar. 27.
- Coupler. W. F. Richards. 1,958,316; May 8.
- Coupler and draft gear. F. H. Kayler. 1,976,786; Oct. 16.
- Coupler and yoke connection. E. H. Lehman. 1,962,313; June 12.
- Coupler and yoke connection for railway draft riggings. S. B. Haseltine. 1,961,353; June 5.
- Coupler attachment for railway vehicles. E. H. Schmidt. 1,945,384; Jan. 30.
- Coupler, Car. W. J. Regan. 1,968,706; July 31.
- Coupler, Car. A. C. Schmohl. 1,980,442; Nov. 13.
- Coupler connection for railway draft riggings. S. B. Haseltine. 1,976,018; Oct. 9.
- Coupler connection, Pivotal. S. B. Haseltine. 1,957,643; May 8.
- Coupler, Electrical. J. F. Tritle. 1,950,200; Mar. 6.
- Coupler for containers, Lifting. F. K. Fildes. 1,968,135; July 31.
- Coupler for glass supporting tables. J. C. Gipe. 1,960,581; May 29.
- Coupler for traction vehicles. F. N. Johnson. 1,973,766; Sept. 18.
- Coupler for twist link chains. L. M. Paget. 1,972,692; Sept. 4.
- Coupler mechanism. E. P. Kinne. 1,975,641; Oct. 2.
- Coupler mechanism, Radial. W. J. Regan. 1,968,705; July 31.
- Coupler operating mechanism. W. Kelso. 1,968,689; July 31.
- Coupler operating mechanism. E. P. Kinne. 1,983,136; Dec. 4.
- Coupler, Pivotal. S. B. Haseltine. 1,957,644; May 8.
- Coupler support wear plate. J. Purcell. 1,954,537; Apr. 10.
- Coupler, Vehicle. A. Brune and G. H. Sterling. 1,944,213; Jan. 23.
- Coupling. See—
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| Amplifier coupling. | Pipe coupling. |
| Capacitance coupling. | Power transmission coupling. |
| Car coupling. | Resilient shaft coupling. |
| Compression coupling. | Reversible impulse coupling. |
| Concrete pipe coupling. | Rod coupling. |
| Drive coupling. | Shaft coupling. |
| Flexible coupling. | Split roller coupling. |
| Flexible elastic coupling. | Threadless pipe coupling. |
| Flexible metallic coupling. | Trailer coupling. |
| Flexible sealing coupling. | Train pipe coupling. |
| Flexible shaft coupling. | Tube coupling. |
| Friction coupling. | Universal coupling. |
| Hose and nozzle coupling. | Valved coupling. |
| Hose coupling. | Yielding coupling. |
| Hydraulic coupling. | |
| Inflating coupling. | |
- Coupling. F. Adams. 1,962,229; June 12.
- Coupling. J. Coder. 1,984,918; Dec. 18.
- Coupling. J. J. Compo. 1,975,925; Oct. 9.
- Coupling. G. E. Edmunds and W. B. Floyd. 1,967,354; July 24.
- Coupling. C. C. Hansen. 1,949,961; Mar. 6.
- Coupling. P. D. Hartog. 1,963,843; June 19.
- Coupling. J. T. Kelly. 1,985,349; Dec. 25.
- Coupling. E. B. Kerr. 1,957,966; May 8.
- Coupling. W. Z. Linders. 1,947,208; Feb. 13.
- Coupling. S. Mandl and E. M. Pfäuser. 1,982,008; Nov. 27.
- Coupling. V. Oldberg. 1,953,124; Apr. 3.
- Coupling. C. L. Post. 1,980,823; Nov. 13.
- Coupling. J. E. Regan. 1,972,601; Sept. 4.
- Coupling. F. K. Simons. 1,980,933; Nov. 13.
- Coupling. A. J. Weatherhead, Jr. 1,949,668; Mar. 6.
- Coupling and locking means for fastening devices. D. Marinsky. 1,966,255; July 10.
- Coupling and shut-off mechanism for vehicle hose lines. G. H. Connors. 1,973,610; Sept. 11.
- Coupling apparatus. High frequency. M. Osnos. 1,981,066; Nov. 20.
- Coupling condenser system. L. A. Gebhard and C. F. Rudolph. 1,950,237; Mar. 6.
- Coupling connection for air lines. J. C. Crowley. 1,971,132; Aug. 21.
- Coupling connection for ensilage conduits. W. G. Schoeneck. 1,947,743; Feb. 20.
- Coupling device. A. J. Bazeley. 1,973,862; Sept. 18.
- Coupling device. F. W. Beggs. 1,947,965; Feb. 20.
- Coupling device. W. P. Lear. 1,971,315; Aug. 21.
- Coupling device. F. K. Simons. 1,983,007; Dec. 4.
- Coupling device for electrical circuits. G. S. C. Lucas. 1,976,504; Oct. 9.
- Coupling device for hose and like connections. W. G. Rohy. 1,974,379; Sept. 18.
- Coupling device for tractors and trailers, Self connecting. H. H. Robinson. 1,960,754; May 29.
- Coupling for a rotary tool, Driving. A. Stoll. 1,975,984; Oct. 9.
- Coupling for belts or the like. E. Sawyer. 1,942,836; Jan. 9.
- Coupling for coaxial rotary parts, Elastic. P. L. Prins. 1,952,564; Mar. 27.

- Coupling for high frequency circuits. E. Zepler. 1,962,227; June 12.
- Coupling for pipe-wrapping machines. D. W. Boylan, H. Kramer and E. Jansen. 1,948,956; Feb. 27.
- Coupling for pipes and hoses, Elastic rapid. H. J. Keitel. 1,959,630; May 22.
- Coupling for rotatable elements. A. Kuhns. 1,978,209; Aug. 23.
- Coupling for rubber covered tubes. A. L. Parker. 1,982,533; Nov. 27.
- Coupling for screw joints, Safety. J. S. Beck. 1,973,137; Sept. 11.
- Coupling for shafting, Flexible. J. W. Kittredge. 1,976,131; Oct. 9.
- Coupling for shafts forming angles. C. Martiuto. 1,941,908; Jan. 2.
- Coupling for socket wrenches. E. M. Pfauser. Re19,093; Feb. 27.
- Coupling for socket wrenches. E. M. Pfauser. Re19,287; Aug. 21.
- Coupling for tractor trailer combinations. H. H. Robinson and H. A. Robinson, sr. 1,982,072; Nov. 27.
- Coupling for tractor-trailer combinations, Fifth wheel. S. B. Winn. 1,944,775; Jan. 23.
- Coupling for trailers. J. A. Seitz. 1,983,317; Dec. 4.
- Coupling for vehicles. M. G. Cornet. 1,943,370; Jan. 16.
- Coupling gauging machine. A. Burge and J. T. Shelton. 1,979,731; Nov. 6.
- Coupling hook mechanism. H. J. Ferguson. 1,955,876; Apr. 24.
- Coupling mechanism. M. Bonnet. 1,957,196; May 1.
- Coupling mechanism for nuts and washers. A. Stoll. 1,946,820; Feb. 13.
- Coupling mechanism for washers and headed fasteners. C. L. Brackett. 1,958,180; May 8.
- Coupling mechanism of automatic train pipe connectors. J. Robinson. 1,961,110; May 29.
- Coupling of synchronous alternating current machines, System for automatic parallel. E. Pearson. 1,944,996; Jan. 30.
- Coupling or clutch, Power transmitting. L. L. Nakashian. 1,953,187; Apr. 3.
- Coupling pin and attachment therefor. L. D. Gregg. 1,967,820; July 24.
- Coupling pin, Lock-equipped. H. M. McClure. 1,974,966; Sept. 25.
- Coupling system. G. Gullner. 1,965,640; July 10.
- Coupling system. F. M. Rives. 1,962,910; June 12.
- Coupling system. L. Walsh. 1,942,786; Jan. 9.
- Coupling system and apparatus. H. St. Laurent. 1,984,499; Dec. 18.
- Coupling to join different glasses, Metal. A. Klhuckmann. 1,964,952; July 3.
- Couplings, Making flexible shaft. J. W. Carthew. 1,947,695; Feb. 20.
- Couplings, Method of and apparatus for effecting tight. C. K. Brooks and E. H. Schmidt. 1,942,949; Jan. 9.
- Coupon book. M. H. Miller. 1,972,665; Sept. 4.
- Coupon book, Deposit. E. A. Kelly. 1,955,369; Apr. 17.
- Coupon ticket printing machine. M. J. Hoffman. 1,957,167; May 1.
- Course indicating and signaling apparatus. R. Plastino. 1,947,018; Feb. 13.
- Course recorder. E. C. Sparling. 1,975,180; Oct. 2.
- Cover: See—
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| Ash can cover. | Liquefier screw cover. |
| Automobile seat cover. | Meter wire cover. |
| Back rest cover. | Outlet box cover. |
| Basket cover. | Pneumatic bumper cover. |
| Berry box cover. | Radiator cover. |
| Book cover. | Receptacle cover. |
| Can cover. | Relay cover. |
| Card table cover. | Sanitary cover. |
| Coin receptacle cover. | Seat cover. |
| Concrete curing cover. | Spring cover. |
| Container cover. | Tire cover. |
| Cup and bowl cover. | Toilet seat cover. |
| Disk cover. | Top spinning roll cover. |
| Display cover. | Tub cover. |
| Egg case cover. | Upholstering cover. |
| Extractor cover. | Valved thief-hole cover. |
| Furniture slip cover. | Wheel hub cover. |
| Hand cover. | Wheel spoke cover. |
- Cover. R. W. Crossen, jr. 1,960,897; May 29.
- Cover and drain-board, Combination laundry-tray. A. H. Gross. Des. 94,131; Dec. 25.
- Cover and safety valve, Combination manhole. R. Norem. 1,982,118; Nov. 27.
- Cover and support, Combined book. F. J. Osuch. 1,952,140; Mar. 27.
- Cover arrangement for a projection booth porthole. D. F. Newman. 1,948,972; Feb. 27.
- Cover clamp. H. F. Kollinger. 1,965,898; July 10.
- Cover fastener. C. G. Leigh. 1,965,658; July 10.
- Cover fastening machine. L. M. Hile. 1,984,530; Dec. 18.
- Cover for a box, carton, or the like. L. Tichnor. Des. 91,374; Jan. 16.
- Cover for a box or carton. W. J. McClintock, jr. Des. 92,415; June 5.
- Cover for a pot, pan, kettle, or the like. A. de Sakhnoffsky. Des. 92,037; Apr. 17.
- Cover for an olla or the like. M. Alex. 1,955,725; Apr. 24.
- Cover for automobile steering wheels or the like. C. U. Flanagan. 1,978,105; Oct. 23.
- Cover for babies' beds. I. Engel. 1,963,739; June 19.
- Cover for boxes, tins, flasks, and like articles, Metallic. E. Biffi. 1,952,487; Mar. 27.
- Cover for caskets or vaults. A. F. H. Scott. 1,963,002; June 12.
- Cover for centrifugal pumps, Suction. O. Jacobsen. 1,949,474; Mar. 6.
- Cover for cooking tops. S. H. Hobson. 1,973,072; Sept. 11.
- Cover for culinary utensils. A. Maigret. 1,968,950; Aug. 7.
- Cover for furniture, Slip. S. Krasnov. 1,984,973; Dec. 18.
- Cover for handbags. H. E. Rosenberg. 1,960,896; May 29.
- Cover for heating radiators. E. Hofmann. Des. 93,104; Aug. 21.
- Cover for high pressure liquefiers. L. L. Mohler. 1,958,923; May 15.
- Cover for journal boxes, Articulated. E. R. Viberg. 1,969,865; Aug. 14.
- Cover for leaf springs. G. W. Crabtree. 1,981,448; Nov. 20.
- Cover for metallic barrels or containers, Removable fuel opening. L. B. Wackman. 1,975,738; Oct. 2.
- Cover for paper bound books, Detachable. L. Welliver and W. P. Kimball. 1,965,679; July 10.
- Cover for playing rackets, Face. H. W. Hall. 1,969,842; Aug. 14.
- Cover for radiator tops. E. G. Hess. 1,956,682; May 1.
- Cover for receptacles. M. Brescia. 1,948,285; Feb. 20.
- Cover for reflectors, Dust. L. C. Doane. 1,945,738; Feb. 6.
- Cover for rumble seats of automobiles. S. Zied. 1,944,053; Jan. 16.
- Cover for spare tires. G. A. Lyon. 1,943,922; Jan. 16.
- Cover for spare tires of automobiles. G. A. Lyon. 1,965,527; July 3.
- Cover for tank cars, Dome. G. Schott. 1,973,228; Sept. 11.
- Cover for vehicles, Flexible. W. McMillan. 1,950,927; Mar. 13.
- Cover lock. J. S. Schofield. 1,973,153; Sept. 11.
- Cover lock for gas tanks and the like. O. A. Widerberg. 1,960,361; May 29.
- Cover or roof for vehicles, Removable. A. H. Corbet. 1,963,830; June 19.
- Cover plate for a typewriting machine. R. E. Benner. Des. 91,698; Mar. 13.
- Cover press and strapper, Combined. H. Paxton. 1,947,918; Feb. 20.
- Cover section for interior walls. W. L. Fry. 1,967,357; July 24.
- Covered top for furniture, Linoleum. P. M. Wege. 1,969,489; Aug. 7.
- Covering attachment for planters. S. E. Severtson. 1,981,393; Nov. 20.
- Covering device for outdoor playing fields. J. A. Scott and H. L. Hadley. 1,966,687; July 17.
- Covering for automobile seats, Protective. J. W. Menhall. 1,985,222; Dec. 18.
- Covering for bottles and the like articles, Protective. J. Sinel. 1,963,923; June 19.
- Covering for mouthpieces, Protective. L. C. Price. 1,973,883; Sept. 18.
- Covering for pianos. W. E. Sharp. 1,960,126; May 22.
- Covering for stove pipes, Heat utilizing. A. B. Wolbers. 1,983,958; Dec. 11.
- Covering for surfaces exposed to the weather. S. C. Straub. 1,975,986; Oct. 9.
- Covering for warps mounted on beams, Protective. H. H. C. Fischer. 1,960,901; May 29.
- Covering for window frames, Protecting. B. G. Wieting. 1,952,957; Mar. 27.
- Covering for X-ray apparatus. A. Ungelenk. 1,983,327; Dec. 4.
- Covering including a dialkyl ester of phthalic acid, Protective. N. S. Kocher. 1,958,708; May 15.
- Covering including tri cresyl phosphate, Protective. N. S. Kocher. 1,958,707; May 15.
- Covering machine. J. P. Shorrocks. 1,958,375; May 8.
- Covering material, Process and machine for impressing and embossing. A. M. Wickwire, jr. 1,949,362; Feb. 27.
- Covering, Protective. W. H. Moss. 1,977,643; Oct. 23.
- Covering, Protective head. F. J. De Pew. Des. 92,236; May 15.
- Covering similar to linoleum, Production of a. H. Baum. 1,957,434; May 8.
- Covering, Tube. H. E. Kleffel. 1,969,374; Aug. 7.
- Covering, Wall. H. B. Little and K. C. Miller. 1,980,866; Nov. 13.
- Coverings, Manufacture of surface. J. C. McCarthy. 1,983,180; Dec. 4.
- Coverings, Product and process of making reenforced. R. H. Green. 1,979,684; Nov. 6.
- Coverings to metallic surfaces, Securing protective. O. E. Andrus. 1,960,042; May 22.
- Coverings to packages and the like, Application of. J. A. Clemens. 1,984,056; Dec. 11.
- Coverings to wires applicable to the insulation of electric conductors and to other purposes, Application of. G. H. Nisbett. 1,980,694; Nov. 13.
- Covers to automotive vehicle springs, Method and machine for applying metal. J. Brown. 1,981,162; Nov. 20.
- Covers to bottles and the like, Preparing and applying fibrous. F. Macy. 1,960,248; May 29.

- Covers to containers, Securing. N. A. Fowler. 1,979,376; Nov. 6.
- Covers to crown packed shipping cases, Method of and apparatus for applying. H. Paxton. 1,978,503; Oct. 30.
- Covers to crown packed shipping cases, Securing. H. Paxton. 1,956,808; May 1.
- Cow-milking apparatus. C. H. Hapgood. 1,959,716; May 22.
- Cowling. W. S. Diehl. 1,944,878; Jan. 30.
- Cowling ring. G. A. Page, jr., and G. E. Warren. 1,966,043; July 10.
- Cowling ring for airplane engines. H. A. Hicks. 1,943,528; Jan. 16.
- Crab trap. M. W. Gatch. 1,968,758; July 31.
- Cracker and making same. R. McKee. 1,965,082; July 3.
- Cracker, Nut. C. D. Yaffe. 1,969,194; Aug. 7.
- Cracking apparatus. D. R. Bailey. 1,975,761; Oct. 9.
- Cracking process. M. P. Youker. 1,962,107; June 5.
- Cracklings, Treatment of. R. C. Newton, O. T. Bloom, and L. S. Paddock. 1,974,626; Sept. 25.
- Cradle. L. J. Maxson and F. B. Gross. 1,950,413; Mar. 13.
- Cradle, Cattle-skinning. L. B. Whitmarsh. 1,962,799; June 12.
- Cradle for storage batteries. W. H. Trimble and J. N. Clark. 1,952,150; Mar. 27.
- Cradle, Magazine. U. Tremblay. 1,981,762; Nov. 20.
- Cradling for panels. G. T. Oliver. 1,971,533; Aug. 28.
- Cram for securing concrete shuttering or centering, Adjustable. H. O. McKeown. 1,956,771; May 1.
- Crane. T. N. Garson. 1,975,359; Oct. 2.
- Crane. P. S. Labora. 1,962,670; June 12.
- Crane driving and steering mechanism. H. E. Brey. 1,947,823; Feb. 20.
- Crane, Portable. P. J. Marchaut. 1,970,240; Aug. 14.
- Crane safety device. E. J. Feeley and D. Lynch. 1,951,088; Mar. 13.
- Crane structure, Collapsible. B. H. Kersting. 1,962,777; June 12.
- Crane, Traveling. B. F. Fitch. 1,975,094; Oct. 2.
- Crane, Wrecking. W. L. Brown. 1,965,367; July 3.
- Crank. F. D. Chapman. Des. 94,073; Dec. 18.
- Crank. D. B. Howell. 1,971,784; Aug. 28.
- Crank and connecting rod connection. B. C. Mullin. 1,979,987; Nov. 6.
- Crank arm. A. M. Matherne. 1,976,241; Oct. 9.
- Crank bearing assembly, Mother. F. D. Butler. 1,970,555; Aug. 21.
- Crank case attachment. L. Schreiber and J. Olschlager. 1,968,713; July 31.
- Crank case breather. R. L. Jones. 1,943,765; Jan. 16.
- Crank case cleaner. A. R. White. 1,976,273; Oct. 9.
- Crank case drain pipe for automobiles. W. Strehler. 1,957,736; May 8.
- Crank case drain plug. C. V. Carlson and O. Pedersen. 1,954,986; Apr. 17.
- Crank case flushing apparatus. J. K. Delano. 1,951,649; Mar. 20.
- Crank case ventilator. W. S. Cochrane. 1,954,198; Apr. 10.
- Crankcase ventilator. W. A. Geise. 1,944,341; Jan. 23.
- Crank case venting system. R. Chilton. 1,974,804; Sept. 25.
- Crank cases, Apparatus for cleaning. C. F. Bertschinger. 1,955,169; Apr. 17.
- Crank cases, Venting of. R. Chilton. 1,974,803; Sept. 25.
- Crank connection for radial motors. J. Newmann. 1,948,475; Feb. 20.
- Crank counterbalance. R. R. Bloss and R. C. Pfeil. 1,952,410; Mar. 27.
- Crank device, One-way. L. V. Lucia. 1,965,348; July 3.
- Crank for counterbalanced pumping units. Adjustable friction. G. Croom. 1,979,675; Nov. 6.
- Crank for motors, Safety. O. R. Johnson. 1,960,587; May 29.
- Crank mechanism. J. G. Gibson. 1,948,814; Feb. 27.
- Crank, Nonreversing hand. C. Walter. 1,943,230; Jan. 9.
- Crank pin assembly. W. A. Newman. 1,950,009; Mar. 6.
- Crankshaft for reciprocating engines, Built-up. P. Belyavin. 1,984,454; Dec. 18.
- Crank shaft twisting machine. N. R. Buckingham. 1,954,281; Apr. 10.
- Crankless mechanism. A. G. M. Michell. 1,952,089; Mar. 27.
- Crankless mechanism. T. L. Sherman. 1,952,098; Mar. 27.
- Crate. F. Boren. 1,947,446; Feb. 20.
- Crate. E. D. Cameron. 1,980,908; Nov. 13.
- Crate. C. H. Jarvis. 1,955,236; Apr. 17.
- Crate. S. A. McGaw. 1,982,222; Nov. 27.
- Crate. W. C. Miller. 1,960,087; May 22.
- Crate. W. J. Norcross. 1,978,955; Oct. 30.
- Crate. C. W. Robertson. 1,951,676; Mar. 20.
- Crate. C. A. Woolsey and H. V. Bowman. 1,958,776; May 15.
- Crate and box, Collapsible. H. J. Hewitt. 1,956,444; Apr. 24.
- Crate, Beer. W. A. Stille, jr. 1,969,585; Aug. 7.
- Crate, Bottle. E. L. Herbolzheimer. 1,968,295; July 31.
- Crate, Bottle. L. B. Masin. 1,972,786; Sept. 4.
- Crate, Bottle. J. F. Maurer, jr. 1,970,464; Aug. 14.
- Crate, Bottle. E. M. Pennock and L. Hale. 1,980,352; Nov. 13.
- Crate, Bottle. E. M. Woodward. 1,985,436; Dec. 25.
- Crate carrier. A. R. Zellar and G. T. Wadsworth. 1,976,206; Oct. 9.
- Crate centering device for ladders. H. Paxton. 1,978,504; Oct. 30.
- Crate, Collapsible. F. J. Klinka. 1,942,713; Jan. 9.
- Crate dumping apparatus. W. D. Kimball, C. I. Braren, and J. H. Mosley. 1,973,767; Sept. 18.
- Crate, Foldable. B. Huggins. 1,984,269; Dec. 11.
- Crate, Folding egg. A. M. Matz. 1,965,984; July 10.
- Crate for bottles. E. F. Pawsat. 1,974,290; Sept. 18.
- Crate, Fruit. B. K. Konkol. 1,973,873; Sept. 18.
- Crate making machine. H. Paxton. 1,945,120; Jan. 30.
- Crate, Shipping. C. A. Best. 1,954,912; Apr. 17.
- Crate, Shipping. J. J. Henze. 1,968,207; July 31.
- Crate, Shipping. R. J. Hoxie. 1,963,938; July 10.
- Crate, Shipping. H. M. Knowlton. 1,982,437; Nov. 27.
- Crate, Shipping. J. P. Kubes. 1,956,768; May 1.
- Crates. W. W. Birnstock. 1,949,674; Mar. 6.
- Crates, Method of and apparatus for nailing. H. Paxton. 1,949,108; Feb. 27.
- Cravat holder. B. B. Manaster. Des. 92,851; July 24.
- Cravat holder. B. B. Menaster. Des. 93,028-30; Aug. 14.
- Cravat holder. A. L. Wurster. 1,982,188; Nov. 27.
- Crawler tread mechanism. G. C. Jett. 1,975,209; Oct. 2.
- Crayon holder. N. Bafetti. 1,983,728; Dec. 11.
- Cream and egg whip, Compressed air. C. Riedel. 1,945,915; Feb. 6.
- Cream and milk cooling device. O. E. Grenier. 1,958,891; May 15.
- Cream, Apparatus for making facial and massage. J. F. Simpson. 1,983,319; Dec. 4.
- Cream, Caron oil compound chlorinated. H. Noonan. 1,947,568; Feb. 20.
- Cream cone. W. D. Grassmuck. 1,960,535; May 29.
- Cream dispenser. A. Janer. 1,968,686; July 31.
- Cream extractor. M. Harnsberger. 1,950,553; Mar. 13.
- Cream extractor. D. R. Highley. 1,977,062; Oct. 16.
- Cream extractor. C. S. Nelson. 1,974,343; Sept. 18.
- Cream for increasing the viscosity thereof, Treating. T. V. Bergman and H. A. Svedberg. 1,944,541; Jan. 23.
- Cream from a bottle, Device for removing a measured quantity of. J. D. Viruette. 1,946,651; Feb. 13.
- Cream preparer. O. Schwimmer. 1,956,082; Apr. 24.
- Cream process. H. D. Wendt. 1,977,928; Oct. 23.
- Cream process and article. H. D. Wendt. Rel. 9,123; Mar. 27.
- Cream separator. F. D. Chapman. 94,074; Dec. 18.
- Cream separator. J. W. Hall. 1,941,859; Jan. 2.
- Cream separator. S. S. Radley. 1,946,111; Feb. 6.
- Cream separator. C. S. Reamy. 1,950,695; Mar. 13.
- Cream separator, Self-starting siphon. C. N. Bruce. 1,959,076; May 15.
- Creamer attachment for coffee cup, Measuring nonspilling. A. McMickle. 1,948,932; Feb. 27.
- Creasing apparatus. R. R. Bollman. 1,959,047; May 15.
- Creel. F. H. Bishop. 1,972,642; Sept. 4.
- Creel. H. F. Burton. 1,962,681; June 12.
- Creel. G. B. Cocker. 1,962,108; June 5.
- Cremation furnace. J. J. Bleitz. 1,972,073; Sept. 4.
- Cresosoting compositions, Preparing. S. P. Miller. 1,942,373; Jan. 2.
- Creme-paper, Manufacturing waterproof. F. M. O. Pinoff. 1,975,286; Oct. 2.
- Crib and pen, Folding. T. Rehkopf. 1,975,332; Oct. 2.
- Crib attachment for beds. F. W. Xiques. 1,964,282; June 26.
- Crib, Baby. F. B. Zwack. 1,960,655; May 29.
- Crib side drop. H. W. Neunherz and G. W. Atwood. 1,961,593; June 5.
- Crimping and sealing edge for light gauge sheet materials. H. L. Cole. 1,951,470; Mar. 20.
- Crimping die device. C. L. Ekserjian. 1,961,582; June 5.
- Critical pressures, Apparatus for determining. G. Alleman and A. F. S. Musante. 1,947,821; Feb. 20.
- Cross arm. J. R. Coolidge. 1,965,629; July 10.
- Crossbar equalizing and shock absorbing means for vehicles, Combined. C. B. Huntman. 1,971,960; Aug. 28.
- Cross bar switch. J. N. Reynolds. 1,953,503; Apr. 3.
- Cross bearer for railway cars. W. F. Kiesel, jr. 1,962,719; June 12.
- Cross-rolling. S. E. Diescher. 1,951,348; Mar. 20.
- Cross rolling machine. P. B. Abramsen. 1,979,133; Oct. 30.
- Cross rolling machine. L. Becker. 1,970,171; Aug. 14.
- Cross shaft. J. Sneed. 1,945,622; Feb. 6.
- Cross-talk in subaqueous sound installations, Arrangement for preventing. W. Rudolph and B. Settegast. 1,945,984; Feb. 6.
- Crosstie, Metal. G. L. Colbie. 1,948,562; Feb. 27.
- Crossing gate. E. Daniel. 1,948,512; Feb. 27.
- Crossing signal. D. W. Richards. 1,943,625; Jan. 16.
- Crossing signal, Overhead. J. B. Strauss. 1,967,380; July 24.
- Crossing signal system, Highway. W. S. Henry and S. J. Mackey. 1,969,075; Aug. 7.
- Crossing structure. A. S. Jones. 1,981,361; Nov. 20.
- Crown and liner material therefor, Spot. A. H. Warth. 1,956,481; Apr. 24.
- Crown cap puller. J. M. Schilling. 1,974,836; Sept. 25.
- Crown feed to bottle crowning machines. J. W. Flower. 1,945,889; Feb. 6.
- Crown hoist. L. E. Zerbe. 1,953,094; Apr. 3.
- Crown molding. J. H. Esdorn. 1,944,070; Jan. 16.
- Crown splitter. J. S. Hagobian. 1,979,831; Nov. 6.
- Crowning attachment for roll grinding machines. H. W. Dunbar and C. G. Flygare. 1,970,000; Aug. 14.
- Crucifix. F. J. Liska. Des. 91,674; Mar. 6.

- Crusher. G. D. Becker. 1,961,811; June 5.
 Crusher. F. E. Christopher. 1,955,946; Apr. 24.
 Crusher. E. H. Frickey. 1,942,143; Jan. 2.
 Crusher. L. P. Green. 1,972,930; Sept. 11.
 Crusher. H. H. Rumpel. 1,957,228; May 1.
 Crusher. H. H. Rumpel. 1,960,980; May 29.
 Crusher. H. G. Welsford and A. N. Russell. 1,941,770; Jan. 2.
 Crusher for reconditioning sacked material. R. L. Hosmer. 1,971,485; Aug. 28.
 Crusher, Gyrotory. J. E. Kennedy. 1,985,098; Dec. 18.
 Crusher, Ice. H. C. Johnson. Des. 94,147; Dec. 25.
 Crusher, Jaw. P. R. Francis. 1,954,288; Apr. 10.
 Crusher pit. H. E. Preston. 1,955,932; Apr. 24.
 Crusher roll mechanism. H. E. Preston. 1,955,931; Apr. 24.
 Crusher, Stone. C. A. Gustafson. 1,945,853; Feb. 6.
 Crushing and grinding machine. P. S. Knittel. 1,946,701; Feb. 13.
 Crushing apparatus. W. J. Armstrong. 1,947,784; Feb. 20.
 Crushing apparatus. N. D. Levin. 1,947,783; Feb. 20.
 Crushing machinery. G. W. Borton. 1,948,504; Feb. 27.
 Crushing mill. M. B. Davis. 1,944,928; Jan. 30.
 Crutch, Folding. E. J. Willis. 1,945,460; Jan. 30.
 Crutch head. H. C. Pirtle and L. H. Joslin. 1,957,473; May 8.
 Cryolite, Working up. H. Schranz and J. Klose. 1,966,649; July 17.
 Cryptographic apparatus. P. G. G. Beyer. 1,949,140; Feb. 27.
 Crystal and making same, Convex. H. O. Vogt. 1,978,825; Oct. 30.
 Crystal apparatus, Piezo electric. A. Crossley. 1,955,359; Apr. 17.
 Crystal apparatus, Piezo-electric. C. W. Hansell. 1,957,063; May 1.
 Crystal apparatus, Piezo-electric. L. A. Hyland. 1,959,827; May 22.
 Crystal apparatus, Piezo-electric. M. Osnos and R. Bechmann. 1,962,211; June 12.
 Crystal converter-generator, Piezo-electric. A. M. Nicolson. 1,975,517; Oct. 2.
 Crystal, Euhedral corundum. E. L. Hauman. 1,966,406; July 10.
 Crystal filter. O. M. Hovgaard. 1,959,429; May 22.
 Crystal frequency adjustment. M. Osnos. 1,968,617; July 31.
 Crystal holder, Piezo-electric. J. L. Finch. 1,967,572; July 24.
 Crystal holder, Piezo-electric. L. A. Gebhard. 1,965,591; July 10.
 Crystal, Piezo-electric. M. Osnos. 1,967,839; July 24.
 Crystal size, Controlling. K. D. Ashley and W. C. Hansen. 1,962,887; June 12.
 Crystal, Watch. H. E. Lindhe. 1,964,886; July 3.
 Crystalline materials, Conditioning. E. Cowles. 1,973,407; Sept. 11.
 Crystallization, Method of. V. Harms. 1,976,936; Oct. 16.
 Crystallizer. H. G. Cartoux. 1,951,923; Mar. 20.
 Crystallizing and curing tank, Gas actuated. J. J. Munson and G. L. Pace. 1,983,805; Dec. 11.
 Crystals having low temperature coefficients of frequency. Piezo-electric. R. A. Heising. 1,958,620; May 15.
 Cuff for use with sphygmomanometers. F. G. Brathwaite. 1,970,042; Aug. 14.
 Cuff grip, Adjustable. A. W. Sparrow. 1,982,547; Nov. 27.
 Cuff holder. N. J. Vela. 1,954,901; Apr. 17.
 Cuff link. O. Carlson. 1,950,711; Mar. 13.
 Cuff link. G. A. Loughton. 1,983,235; Dec. 4.
 Culinary device. W. J. F. Biggane. 1,975,919; Oct. 9.
 Culinary device. M. O. Denton. 1,974,644; Sept. 25.
 Culinary unit. L. Hilt. 1,952,672; Mar. 27.
 Cultivating apparatus. J. H. Miner. 1,976,184; Oct. 9.
 Cultivating implement. C. Major. 1,951,701; Mar. 20.
 Cultivating machines, Attachment to. T. J. McTavish. 1,975,429; Oct. 2.
 Cultivating tool. A. W. Zimmermann. 1,972,727; Sept. 4.
 Cultivator. S. H. Bearden. 1,948,436; Feb. 20.
 Cultivator. T. Brown. 1,980,470; Nov. 13.
 Cultivator. T. J. Erdman. 1,982,862; Dec. 4.
 Cultivator. W. J. Horton and T. J. Francis. 1,962,393; June 12.
 Cultivator. T. W. Johnson. 1,946,402-3; Feb. 6.
 Cultivator. T. W. Johnson. 1,958,625; May 15.
 Cultivator. T. W. Johnson. 1,962,349; June 12.
 Cultivator. J. Schaeffer. 1,984,703; Dec. 18.
 Cultivator. F. Schmidt. 1,972,716; Sept. 4.
 Cultivator. C. G. Strandlund. 1,951,376; Mar. 20.
 Cultivator and planter, Automatic. G. Hantjopoulos. 1,958,966; May 15.
 Cultivator attachment. D. N. Bruton. 1,982,417; Nov. 27.
 Cultivator attachment. A. F. Hansen. 1,953,649; Apr. 3.
 Cultivator attachment for tractors. E. V. Collins. 1,945,882; Feb. 6.
 Cultivator attachment for tractors. A. C. Lindgren and W. S. Graham. 1,960,270; May 29.
 Cultivator attachment for tractors. Three-row. E. V. Collins. 1,964,559; June 26.
 Cultivator beam structure. B. R. Benjamin. 1,977,422; Oct. 16.
 Cultivator. Bush and weed destroying. H. B. Carter. 1,948,509; Feb. 27.
 Cultivator, Hillside. M. E. Wiatt. 1,972,671; Sept. 4.
 Cultivator, Motor driven. D. C. Pedersen. 1,971,938; Aug. 28.
 Cultivator or garden-tractor, Motor propelled. L. Dufour. 1,975,417; Oct. 2.
 Cultivator shield. A. J. Doyle. 1,957,160; May 1.
 Cultivator shovel with sweep attachment. J. R. Kovar. 1,982,746; Dec. 4.
 Cultivator stock. R. Bloodworth. 1,957,991; May 8.
 Culvert. F. L. Carswell and O. W. Schmidt. 1,955,407; Apr. 17.
 Culvert. F. L. Carswell and O. W. Schmidt. 1,964,313; June 26.
 Culvert. R. T. Lane. 1,982,995; Dec. 4.
 Culvert and protecting the same. R. R. Nixon. 1,970,670; Aug. 21.
 Culvert and the like, Laminated wood. P. E. Hoak. 1,956,717; May 1.
 Culvert, Interlocking. F. J. Moss. 1,984,196; Dec. 11.
 Culvert pipe. W. P. Norris. 1,953,006; Mar. 27.
 Culvert, water pipes, and the like, Wooden. T. Kipp. 1,966,863; July 17.
 Culverts, Apparatus for construction of concrete. T. Nose. 1,964,386; June 26.
 Culverts, Making. J. R. Freeze and R. W. Shartle. 1,984,125; Dec. 11.
 Cup. See—
 Drinking cup. Oil and grease cup.
 Eye cup. Paper cup.
 Flower cup. Shaving soap stick lather cup.
 Force cup. Sputum cup.
 Grease cup. Teat cup.
 Handle reinforcing cup.
 Lubricating cup.
 Cup and applicator, Sponge. L. Nassif. 1,975,016; Sept. 25.
 Cup and bowl cover. C. Gebhard. 1,974,711; Sept. 25.
 Cup and saucer and similar articles. H. W. Briese. 1,947,968; Feb. 20.
 Cup dispenser. J. D. Reifsnnyder. 1,975,649; Oct. 2.
 Cup dispensing mechanism. J. F. Geyer. 1,963,621; June 19.
 Cup dropping machine. C. F. Adams. 1,945,846; Feb. 6.
 Cup dropping machine. C. F. Adams. 1,959,327; May 22.
 Cup dropping machine. C. F. Adams. 1,979,089; Oct. 30.
 Cup favor. F. H. Bartlett. Des. 91,798; Mar. 27.
 Cup favor. A. T. Kissinger. Des. 91,946-8; Apr. 10.
 Cup favor. A. T. Kissinger. Des. 92,475; June 12.
 Cup feed machine. F. A. Kucera. 1,962,019; June 5.
 Cup filling device. G. Sardo. 1,953,833; Apr. 3.
 Cup for confectionaries. A. C. Wood. 1,964,238; June 26.
 Cup for master cylinders, Packing. E. I. Schwarz. 1,970,398; Aug. 14.
 Cup for milking machines, Teat. C. H. Hapgood. 1,959,581; May 22.
 Cup for milking machines, Teat. F. G. Hodsdon. 1,955,810; Apr. 24.
 Cup for milking machines, Teat. J. and A. Persoons. 1,982,452; Nov. 27.
 Cup having a top, Egg. E. A. Reiser. Des. 91,542; Feb. 20.
 Cup-like wrapping element for sweetmeats and the like. A. Kenny. 1,941,944; Jan. 2.
 Cup machine, Rotary. C. Barbieri. 1,953,917; Apr. 10.
 Cup making machine. H. B. Cooley. 1,962,983; June 12.
 Cup making machine. H. B. Cooley. 1,973,406; Sept. 11.
 Cup molding machine, Paper. T. Walters. 1,966,471; July 17.
 Cup or similar article. C. L. Sebring. Des. 94,000; Dec. 4.
 Cup or similar article, Drinking. E. Kanter. Des. 91,407; Jan. 23.
 Cups, Device for cleaning teat. C. H. Hapgood. 1,946,400; Feb. 6.
 Cups from sheet metal, Apparatus for producing deep. W. C. Ludington. 1,942,930; Jan. 9.
 Cups, Packing nested paper. R. C. Fenner. 1,948,751; Feb. 27.
 Cupboard, Corner. M. H. Duval. Des. 91,769; Mar. 20.
 Cupola. R. H. Cromwell. 1,977,428; Oct. 16.
 Cupola operation. S. R. Lewis, L. K. Spink, and B. W. Hagerman. 1,977,559; Oct. 16.
 Cuprammonium process for dissolving cellulose. W. Kleinicke. 1,972,098; Sept. 4.
 Curb face, Adjustable. G. H. Miller. 1,944,257; Jan. 23.
 Curb guard and facing. W. S. Godwin. 1,960,053; May 22.
 Curb, Metal. G. G. Gladman. 1,978,491; Oct. 30.
 Curds (casein), fresh cheese, and rennet cheeses from cream, whole milk or skim milk. Preparation of. A. von Plawenn and G. Kersten. 1,953,734; Apr. 3.
 Curing bag. C. M. Semler. 1,981,201; Nov. 20.
 Curl clip. M. Widerman. 1,946,561; Feb. 13.
 Curl presser. N. L. Solomon. 1,982,767; Dec. 4.
 Curling and marcel iron. E. Matthes. 1,948,463; Feb. 20.
 Curling lotion distributor. N. R. Metzler. 1,973,008; Sept. 11.
 Curling rod for permanent waving. R. Klein. 1,951,154; Mar. 13.
 Curis, Method and apparatus for forming outside. T. Mungen. 1,967,192; July 17.
 Currency holder. R. S. Bergman. 1,972,214; Sept. 4.
 Current amplifying system. J. G. Aceves. 1,982,777; Dec. 4.
 Current at high voltage, Apparatus for producing unidirectional electric. M. A. Lissman. 1,972,528; Sept. 4.
 Current bias voltage to an electrode of a thermionic device, Applying a direct. D. McDonald. 1,951,251; Mar. 13.

- Current by irradiation, System for influencing an electric. F. M. Penning and C. J. Addink. 1,961,708; June 5.
- Current collector. W. Schaake. 1,973,109; Sept. 11.
- Current communication system, Carrier. P. Sporn and R. H. Wolford. 1,965,674; July 10.
- Current commutator machine, Alternating. G. Günner. 1,953,802-3; Apr. 3.
- Current condensers and arrangement of the same, Alternating. P. E. Edelman. 1,951,476; Mar. 20.
- Current conducting film cue mark. E. A. Read. 1,950,518; Mar. 13.
- Current contactor, Alternating. J. F. Frese. 1,948,374; Feb. 20.
- Current control apparatus. F. W. Lyle. 1,985,044; Dec. 18.
- Current control apparatus, Alternating. C. G. Suits. 1,946,297; Feb. 6.
- Current controlling apparatus. A. A. Thomas. 1,969,955; Aug. 14.
- Current controlling device, Electric. R. B. Hunter and C. F. Robbins. 1,964,467; June 26.
- Current controlling system. R. D. Ross. 1,966,222; July 10.
- Current, direct-current supply system for air-conditioned cars, Alternating. H. C. Krapf, C. Kerr, jr., and S. G. Nottage. 1,985,641; Dec. 25.
- Current dynamo-electric machine, Alternating. T. A. Rich. 1,961,782; June 5.
- Current electromagnet, Alternating. C. T. Evans. 1,980,393; Nov. 13.
- Current generating system. A. Flad. 1,946,678; Feb. 13.
- Current generating units, Method and apparatus for controlling alternating. E. D. Doyle. 1,984,920; Dec. 18.
- Current generating units, Method and apparatus for controlling alternating. E. D. Doyle and L. O. Heath. 1,985,081; Dec. 18.
- Current generation for arc welding and the like. J. F. Lincoln and G. G. Landis. 1,971,074; Aug. 21.
- Current generation, Welding. G. G. Landis. 1,962,692; June 12.
- Current generator, Self exciting. L. M. Brooks. 1,964,619; June 26.
- Current impulse transmitter. M. Amann. 1,983,960; Dec. 11.
- Current indicating or telemetric system, Alternating. H. L. Tanner. 1,964,230; June 26.
- Current interrupting device. L. Ludwig. 1,955,076; Apr. 17.
- Current into alternating current, Changing direct electric. A. M. Proctor. 1,971,730; Aug. 28.
- Current into single-phase current, Method of and apparatus for converting polyphase. O. Löbl. 1,948,119; Feb. 20.
- Current limiter. D. L. Keiser. 1,943,021; Jan. 9.
- Current limiting device for lenard tubes. L. F. Ehrke and C. M. Slack. 1,953,470; Apr. 3.
- Current long distance line, Alternating. R. Rudenberg. 1,947,061-2; Feb. 13.
- Current machine, Alternating. G. Pedrazzo. 1,949,808; Mar. 6.
- Current motor control, Alternating. A. F. Lukens. 1,944,090; Jan. 16.
- Current motor control, Direct. F. Lejeune. 1,961,887; June 5.
- Current network system of distribution, Alternating. J. S. Parsons. 1,955,311; Apr. 17.
- Current outlet. L. T. Hicks. 1,958,539; May 15.
- Current passing device, Unidirectional. J. A. Becker. 1,980,176; Nov. 13.
- Current potentials to alternating current potentials, Device for changing direct. D. H. Mitchell. 1,943,183; Jan. 9.
- Current power reserve system, Alternating. W. H. T. Holden. 1,951,482; Mar. 20.
- Current rectifier. R. Audubert. 1,961,729; June 5.
- Current rectifier construction, Electric. E. Kern. 1,951,732; Mar. 20.
- Current rectifier control, Electric. A. Gaudenzi and E. Kobel. 1,971,711; Aug. 28.
- Current rectifier, Electric. E. Kobel. 1,949,104; Feb. 27.
- Current rectifier, Electric. O. K. Marti. 1,985,511; Dec. 25.
- Current rectifier, Electric. E. Rupp. 1,955,564; Apr. 17.
- Current rectifier, Electric. E. Rupp. 1,956,544; Apr. 24.
- Current rectifier, Electric. E. Rupp. 1,968,570; July 31.
- Current rectifier, Electric. E. Rupp. 1,968,571; July 31.
- Current rectifying device, Electric. O. Seitz. 1,963,810; June 19.
- Current rectifying installation, Alternating. J. G. W. Mulder. 1,945,993; Feb. 6.
- Current rectifying system, Electric. G. Brunner. 1,945,627; Feb. 6.
- Current rectifying system, Electric. G. Brunner. 1,953,464; Apr. 3.
- Current rectifying system, Electric. G. A. Burnham. 1,966,810; July 17.
- Current rectifying system, Electric. J. Kubler. 1,951,575; Mar. 20.
- Current rectifying system, Electric. S. Widmer, H. Keller, and M. Hürlimann. 1,945,472; Jan. 30.
- Current regulating system. C. Stansbury. 1,954,028; Apr. 10.
- Current relay, Alternating. W. Ilberg. 1,949,254; Feb. 27.
- Current relay, Alternating. O. A. Ross. 1,969,096; Aug. 7.
- Current responsive device, Electrical. I. W. Brogger. 1,946,894; Feb. 13.
- Current switching apparatus, Heavy. A. E. Greene. 1,967,752; July 24.
- Current tapping device. A. Abramson. 1,983,725; Dec. 11.
- Current time control for electric welding machines. H. W. Roth. 1,985,107; Dec. 18.
- Current to electrothermic melting furnaces, Arrangement for supply of. H. Ingelsrud. 1,983,544; Dec. 11.
- Current transformer. A. Boyajian and G. Camilli. 1,971,207; Aug. 21.
- Current transformer. E. Tritschler. 1,953,519; Apr. 3.
- Current transformer, Compensated. E. C. Wentz. 1,955,317; Apr. 17.
- Current transformer, Constant. A. Pfeil. 1,979,769; Nov. 6.
- Current transformer system, Direct. B. C. von Platen. 1,941,643; Jan. 2.
- Current transforming device, Direct. E. L. Barrett. 1,946,563; Feb. 13.
- Current translating system. H. A. Rose. 1,976,580; Oct. 9.
- Current transmission system, Alternating. C. G. Koppitz. 1,982,875; Dec. 4.
- Current voltage converter, Direct. J. Jonas. 1,953,015; Mar. 27.
- Current voltages, Comparing alternating. H. O. Peterson. 1,984,545; Dec. 18.
- Currents, Changing the wave form of alternating. H. G. Miller. 1,947,484; Feb. 20.
- Currents in three-electrode ionic amplifiers, Reducing retroactive. S. Ballantine. 1,946,662; Feb. 13.
- Currents, Method and apparatus for amplifying frequency. J. M. Avery. 1,957,752; May 8.
- Currents, Method of and apparatus for controlling alternating. D. G. McCaa. 1,959,275; May 15.
- Currents, Method of and apparatus for transmitting signal control. L. Espenschied. 1,971,483; Aug. 28.
- Currents, System for the amplification of alternating. J. M. Miller and L. A. Gebhard. 1,955,341; Apr. 17.
- Curtain. H. Geller. Des. 91,871-2; Apr. 3.
- Curtain. H. Geller. Des. 92,954-5; Aug. 7.
- Curtain. J. C. Lafferty, jr. Des. 93,664; Oct. 23.
- Curtain and bracket, Shower bath. N. Gaines. 1,980,618; Nov. 13.
- Curtain and curtain retaining mechanism. F. A. Selje. 1,952,689; Mar. 27.
- Curtain and curtain saddle. S. M. Cowan. 1,979,674; Nov. 6.
- Curtain and draper fixture. E. Thompson. 1,953,450; Apr. 3.
- Curtain and drapery holder. G. T. Hudspeth. 1,980,918; Nov. 13.
- Curtain and drapery pilot or guide. J. Elliott. 1,970,288; Aug. 14.
- Curtain and shade fixture. B. F. Klinzmann. 1,978,111; Oct. 23.
- Curtain attachment device. G. F. and C. G. Beaumont. 1,975,000; Sept. 25.
- Curtain bracket. J. Di Carlo. 1,951,969; Mar. 20.
- Curtain control for motor cars, Pneumatic. T. Park. 1,944,454; Jan. 23.
- Curtain crane support. J. H. Boye. 1,967,392; July 24.
- Curtain display frame. H. W. Nester. 1,956,080; Apr. 24.
- Curtain fabric or the like. M. Sadinoff. Des. 93,677; Oct. 23.
- Curtain fitting. J. M. Wintrob. 1,945,585; Feb. 6.
- Curtain fitting. J. M. Wintrob. 1,965,091; July 3.
- Curtain fixture. G. Wonsowicz. 1,951,115; Mar. 13.
- Curtain, Lace. H. Geller. 1,971,712; Aug. 28.
- Curtain, Lace. J. Waterfield. 1,976,685; Oct. 9.
- Curtain, Noncrush ruffle. S. A. Mulqueen. 1,960,088; May 22.
- Curtain operating device. E. Monnier. 1,954,941; Apr. 17.
- Curtain operator, Automobile. H. A. Blanchard. 1,977,844; Oct. 23.
- Curtain or drape, Shower. N. R. Carb. 1,967,659; July 24.
- Curtain or the like. M. Sadinoff. Des. 92,560; June 19.
- Curtain or the like. M. Sadinoff. Des. 93,290-2; Sept. 11.
- Curtain or the like. M. Sadinoff. Des. 93,852; Oct. 9.
- Curtain or the like. I. Weinrub. Des. 93,311; Sept. 11.
- Curtain protector. P. O. Melaas. 1,943,768; Jan. 16.
- Curtain rod and drapery bracket, Back band. G. N. D. Stapledon. 1,969,913; Aug. 14.
- Curtain rod fixture. W. C. Kenney. 1,965,124; July 3.
- Curtain rod holder. H. D. Frame. 1,956,501; Apr. 24.
- Curtain roller. W. J. Stuber. 1,971,995; Aug. 28.
- Curtain roller bracket. W. S. Hamm. 1,946,852; Feb. 13.
- Curtain roller construction. W. S. Hamm. 1,949,160; Feb. 27.
- Curtain, Sand blast. J. Ladrie. 1,964,920; July 3.
- Curtain, Sleeping porch. M. K. Graham. 1,942,474; Jan. 9.
- Curtain stretcher frame. J. Ellis. 1,944,549; Jan. 23.
- Curtain structure. R. D. Barker. 1,950,648; Mar. 13.
- Curtain support. G. W. Dover. 1,981,543; Nov. 20.
- Curtain support. H. H. Jensen. 1,956,799; May 1.
- Curtains, Apparatus for supporting. H. F. Smith. 1,972,604; Sept. 4.
- Curvilinear article, Cutting a. R. H. Rosenberg. 1,959,306; May 15.
- Cushion. C. H. Gerlofson and T. J. Nelson. 1,957,040; May 1.

- Cushion. C. H. Smith. 1,961,088; May 29.
 Cushion and like device. E. B. Killen. 1,942,296; Jan. 2.
 Cushion and weather strip. W. C. Jackson. 1,979,691; Nov. 6.
 Cushion, Bath. B. de Grandcourt. 1,953,798; Apr. 3.
 Cushion, Bedpan. H. R. Stanley. 1,967,598; July 24.
 Cushion cap for key operated machines. G. W. Munson. 1,967,720; July 24.
 Cushion car wheel. W. C. Klein. 1,956,195; Apr. 24.
 Cushion, Chair. J. A. MacKay. Des. 93,780; Nov. 6.
 Cushion clutch plate. W. F. Hughes. 1,961,930; June 5.
 Cushion construction. F. L. Brown. 1,941,785; Jan. 2.
 Cushion covering and making same. J. A. Hand. 1,945,038; Jan. 30.
 Cushion, Egg. W. K. Jaquith. 1,948,986; Feb. 27.
 Cushion filling machine. B. L. Coffman. 1,955,533; Apr. 17.
 Cushion fly wheel. J. F. Daukus. 1,943,517; Jan. 16.
 Cushion foot and arch support. J. Feldman. 1,976,441; Oct. 9.
 Cushion pad for shoe counters, Nonslip. H. L. Handler. 1,958,619; May 15.
 Cushion products, Laminated. A. and G. A. Gerard. 1,959,951; May 22.
 Cushion, Rug. J. E. Graham and E. M. Lines. 1,971,780; Aug. 28.
 Cushion shoe. J. F. Gikerson. 1,968,290; July 31.
 Cushion slide for furniture. W. F. Herold. 1,982,138; Nov. 27.
 Cushion stop for shears. W. M. Albright. 1,982,942; Dec. 4.
 Cushion support for furniture. W. F. Herold. 1,969,266; Aug. 7.
 Cushion tie string attachment. J. I. Richig. 1,974,723; Sept. 25.
 Cushion, Welding bell. H. E. Gross. 1,976,555; Oct. 9.
 Cushioned egg box. H. M. Russell. 1,941,719; Jan. 2.
 Cushioning device. D. Diver. 1,963,891; June 19.
 Cushioning device. F. O. Kilgore. 1,972,403; Sept. 4.
 Cushioning device. D. F. Sproul. 1,952,102; Mar. 27.
 Cushioning device. D. F. Sproul. 1,977,865; Oct. 23.
 Cushioning device. D. F. Sproul. 1,979,846; Nov. 6.
 Cushioning device for motor vehicles, Overload. G. M. Jennings. 1,963,440; June 19.
 Cushioning device, Lateral motion. J. G. Blunt. 1,946,893; Feb. 13.
 Cushioning element and making same. O. U. Zerk. 1,959,254; May 15.
 Cushioning element and making same. O. U. Zerk. 1,959,256; May 15.
 Cushioning means and method. O. U. Zerk. 1,954,276; Apr. 10.
 Cushioning means and method for mechanical joints. O. U. Zerk. 1,954,277; Apr. 10.
 Cushioning mechanism. D. S. Barrows. 1,946,476; Feb. 13.
 Cushioning mechanism. D. S. Barrows. 1,974,596; Sept. 25.
 Cushioning mechanism. D. C. Davis. 1,951,086; Mar. 13.
 Cushioning mechanism. D. C. Davis. 1,963,077; June 19.
 Cushioning mechanism. D. C. Davis and L. M. Clark. 1,982,575; Nov. 27.
 Cushioning mechanism. E. F. Mechlin. 1,947,301; Feb. 13.
 Cuspidor. M. N. Callender. 1,985,533; Dec. 25.
 Cuspidor. W. J. Hooberry. 1,982,517; Nov. 27.
 Cuspidor, Dental. F. W. Kahler. 1,948,523; Feb. 27.
 Cuspidor, Pocket. C. G. Krauss. 1,960,498; May 29.
 Cuspidor stand. C. M. Conforti and F. F. Norden. 1,947,970; Feb. 20.
 Customer control device. J. B. Adams. 1,954,033; Apr. 10.
 Cut-off, Automatic. G. H. Leland. 1,952,265; Mar. 27.
 Cut-off, Automatic. W. A. Ramseur. 1,971,731; Aug. 28.
 Cut-off, Automatic gas. F. Raible. 1,982,481; Nov. 27.
 Cut-off device. A. J. and I. F. Fausek. 1,964,045; June 26.
 Cut-off device, Automatic. J. L. Breese, jr. 1,983,340; Dec. 4.
 Cut-off device for burners, Safety. F. G. Hausler and G. Herbster. 1,958,242; May 8.
 Cut-off device for gas burners, Automatic. G. W. Knight. 1,960,973; May 29.
 Cut-off for a bag filler. N. E. Dorrington. 1,964,935; July 3.
 Cut-off for cigarette-making machines. R. J. A. Chandler. 1,977,986; Oct. 23.
 Cut-off for fluid lines, Automatic. C. Lowery. 1,985,663; Dec. 25.
 Cut-off machine, Automatic. W. L. Libby. 1,972,595; Sept. 4.
 Cut-off mechanism. S. M. Langston and K. Sieg. 1,984,042; Dec. 11.
 Cut-off mechanism. K. Sieg. 1,984,040; Dec. 11.
 Cut-off mechanism. K. Sieg. 1,984,043; Dec. 11.
 Cut-off mechanism for cigarette-rod-forming machine. W. F. Grupe. 1,972,442; Sept. 4.
 Cut-off mechanism for taping machines. P. L. O'Donnell and E. Groh. 1,977,488; Oct. 16.
 Cut-off mechanisms, Continuously operating. K. Sieg. 1,984,041; Dec. 11.
 Cut-out and safety device for hydraulic systems, Automatic. R. C. Lamond. 1,943,535; Jan. 16.
 Cut-out device, Fluid temperature limiting electric. F. W. Werring. 1,981,484; Nov. 20.
 Cut-out, Electric. G. Pailin. 1,957,906; May 8.
 Cut-out, Electric. O. Rittenhouse. 1,952,460; Mar. 27.
 Cut-out, Electrical mercury. H. Wordsall. 1,980,243; Nov. 13.
 Cut-out for alternating current motors, Pneumatically operated. G. H. Irwin. 1,946,165; Feb. 6.
 Cut-out for electrical supply sources in motor vehicles, Automatic. W. S. Long. 1,964,854; July 3.
 Cut-out for incandescent electric lamps and similar devices. E. Friederich and G. Aschermann. 1,946,279; Feb. 6.
 Cut-out for series lamps. D. S. Gustin and E. Dietz. 1,941,984; Jan. 2.
 Cut-out, High tension. E. N. Nordhem. 1,969,575; Aug. 7.
 Cut-out, High tension. R. S. V. Wood. 1,955,571; Apr. 17.
 Cut-out machine. B. W. Freeman. 1,947,337; Feb. 13.
 Cut-out machine. B. W. Freeman. 1,971,647; Aug. 28.
 Cut-out switch, Motor centrifugal. J. J. Janca, jr. 1,964,581; June 26.
 Cut-out valve. J. L. Hodgson and F. Gray. 1,954,701; Apr. 10.
 Cut-outs, Device for forming. A. W. Altwater. 1,982,943; Dec. 4.
 Cut-outs, Housed fuse. A. G. Steinmayer. 1,976,812; Oct. 16.
 Cutter: See—
 Bean cutter. Meat cutter.
 Biscuit cutter. Milling cutter.
 Blade cutter. One-piece cutter.
 Bolt cutter. Paper cutter.
 Casing cutter. Pipe cutter.
 Cereal cutter. Potato chip cutter.
 Chip cutter. Rotary cutter.
 Cooky cutter. Rotatable cutter.
 Corn cutter. Seed potato cutter.
 Fabric cutter. Shingle cutter.
 Flying cutter. Shoe tree stick cutter.
 Food cutter. Sod cutter.
 Gear cutter. Temple thread cutter.
 Glass cutter. Tire cutter.
 Glass tube cutter. Tube cutter.
 Hose cutter. Vine cutter.
 Inserted blade cutter. Vegetable cutter.
 Key cutter. Weed cutter.
 Loop cutter. Well pipe cutter.
 Cutter. R. W. McLean. 1,964,786; July 3.
 Cutter. T. G. Riordan. 1,971,428; Aug. 28.
 Cutter. J. K. Wickliffe. 1,977,870; Oct. 23.
 Cutter and cutting paper, Paper. W. L. Valiquette. 1,949,091; Feb. 27.
 Cutter and grater, Vegetable. S. Klein. 1,964,437; June 26.
 Cutter and playback combination, Phonograph record. R. Head. 1,946,581; Feb. 13.
 Cutter bars of mowing machines, Apparatus for grinding. A. Hirth. 1,943,529; Jan. 16.
 Cutter blade lock. R. R. Weddell. 1,962,163; June 12.
 Cutter chain. L. F. Gerdetz. 1,967,116-17; July 17.
 Cutter chain. W. A. Hamilton. 1,956,503; Apr. 24.
 Cutter chain. A. L. Lee. 1,961,370; June 5.
 Cutter device. T. M. Lillebers. 1,979,891; Nov. 6.
 Cutter for and method of cutting gears. E. C. Head. 1,969,843; Aug. 14.
 Cutter for bias cutting machines. H. S. Alexander, F. B. Pfeiffer, and J. W. White. 1,975,219; Oct. 2.
 Cutter for boiler tubes or flues. F. Biggs. 1,949,598; Mar. 6.
 Cutter for cheese cutters, slicing machines, and the like. A. W. Mueller. 1,952,136; Mar. 27.
 Cutter for corn harvesters. F. W. Bueker. 1,943,201; Jan. 9.
 Cutter for forming spiral bevel gears. F. H. Adams. 1,973,134; Sept. 11.
 Cutter for fruit peeling machines, Flower end. H. and D. Goranson. 1,950,791; Mar. 13.
 Cutter for mowing machines. F. C. Mish. 1,970,668; Aug. 21.
 Cutter for power-driven lawn mowers, Auxiliary. K. F. Jacobsen. 1,943,675; Jan. 16.
 Cutter for thread spools. H. M. Allain. 1,959,146; May 15.
 Cutter for typewriters. R. C. Stevens. 1,960,175; May 22.
 Cutter head. H. W. Sprague. 1,976,099; Oct. 9.
 Cutter head bit clamp. S. Madsen. 1,968,496; July 31.
 Cutter head for boring machines. M. A. Haram and J. M. Lundell. 1,977,058; Oct. 16.
 Cutter head for veneer machines. R. N. Hartzell. 1,957,166; May 1.
 Cutter or whip, Shortening. C. A. Rowley. 1,968,425; July 31.
 Cutter salvage machine. F. J. Aker. 1,981,445; Nov. 20.
 Cutter truing fixture. J. E. Gleason and S. H. Earl. 1,949,014; Feb. 27.
 Cutters of boring machines and the like, Adjusting the. A. Storm and T. Thorsen. 1,958,075; May 8.
 Cutters of boring machines and the like, Adjusting the. A. Storm and T. Thorsen. 1,967,454; July 24.
 Cutting and collecting mechanism for printing presses. C. S. Crafts. 1,963,734; June 19.
 Cutting and forming means, Combined. W. E. Wunderlich. 1,976,686; Oct. 9.

- Cutting and milling tool. F. B. Fowzer. 1,962,641; June 12.
- Cutting and punching machine for frozen confections. J. W. West. 1,963,768; June 19.
- Cutting and shaving device. W. J. Grotenhuis. 1,974,568; Sept. 25.
- Cutting and stripping machine for pavement joints and the like. G. W. Huntington. 1,979,554; Nov. 6.
- Cutting and welding apparatus. P. E. Dodge. 1,978,042; Oct. 23.
- Cutting and wrapping device. O. Osborn. 1,970,183; Aug. 14.
- Cutting apparatus. A. O. Abbott, jr. 1,967,853; July 24.
- Cutting apparatus. W. J. Coultas. 1,957,445; May 8.
- Cutting apparatus. L. A. Paradise. 1,979,010; Oct. 30.
- Cutting apparatus. P. Van Cleef. 1,985,356; Dec. 25.
- Cutting apparatus for continuous rod cigarette making machines. W. Togel. 1,949,340; Feb. 27.
- Cutting compound, Soluble, noncorrosive. E. F. Butts. 1,979,250; Nov. 6.
- Cutting device. H. L. Davis. 1,958,132; May 8.
- Cutting device. H. C. Flack. 1,958,300; May 8.
- Cutting device. W. J. Grotenhuis. 1,974,569; Sept. 25.
- Cutting device. E. F. Hager. 1,948,109; Feb. 20.
- Cutting device. G. E. Nelson. 1,959,962; May 22.
- Cutting device. E. J. O'Neill. 1,947,355; Feb. 13.
- Cutting edge for implements. N. E. Jersey. 1,963,847; June 19.
- Cutting edge for plowshares, Renewable. G. M. Reynolds. 1,976,268; Oct. 9.
- Cutting, filing, and scraping implement. S. Segal. 1,942,220; Jan. 2.
- Cutting fluid. B. Gallswothy. 1,964,983; July 3.
- Cutting implement. A. W. Harz. 1,969,129; Aug. 7.
- Cutting laminated glass. E. W. McConnell, jr. 1,966,353; July 10.
- Cutting lengths from a traveling web, Apparatus for. F. D. Fowler. 1,958,137; May 8.
- Cutting machine. H. A. Ballard. 1,978,521; Oct. 30.
- Cutting machine. V. V. Colby. 1,974,642; Sept. 25.
- Cutting machine. C. B. Gray. 1,977,795; Oct. 23.
- Cutting machine. T. R. Jones. 1,952,073; Mar. 27.
- Cutting machine. J. A. Smitmans. 1,946,919; Feb. 13.
- Cutting machine. W. L. Valiquette. 1,976,972; Oct. 16.
- Cutting machine, All way. A. L. Sweet and C. L. Field. 1,953,350; Apr. 17.
- Cutting machine for seed potatoes. D. French. 1,954,870; Apr. 17.
- Cutting means. A. H. Woodward. 1,949,509-10; Mar. 6.
- Cutting mechanism. F. A. Breeze. 1,954,613; Apr. 10.
- Cutting mechanism. G. O. Frostad. 1,965,738; July 10.
- Cutting mechanism. C. D. Knowlton. 1,963,369; June 19.
- Cutting mechanism. A. E. F. Moore. 1,945,063; Jan. 30.
- Cutting mechanism. H. L. Wittstein. 1,952,033; Mar. 20.
- Cutting mechanism for bag forming machines. H. Irmischer. 1,955,811; Apr. 24.
- Cutting mechanism for bread wrapping machines. W. Hoppe and N. W. Lyon. 1,985,780; Dec. 25.
- Cutting mechanism for printing machines. A. Lundquist. 1,977,283; Oct. 16.
- Cutting of laminated glass, Means for facilitating the. W. B. Chase. 1,969,394; Aug. 7.
- Cutting-off machine. L. G. Casey. 1,979,140; Oct. 30.
- Cutting-off machine. A. A. Rickert. 1,978,059; Oct. 23.
- Cutting operations performed upon sheet material, Recording. A. L. McMaster. 1,953,684; Apr. 3.
- Cutting or trimming machine, Rotary. B. V. Kelley. 1,959,241; May 15.
- Cutting press. A. Drucker. 1,983,842; Dec. 11.
- Cutting table. E. J. Stein. 1,969,584; Aug. 7.
- Cutting tool. H. J. Cook. 1,956,275; Apr. 24.
- Cutting tool. A. J. Kilmer. 1,974,215; Sept. 18.
- Cutting tool. L. J. Kromer. 1,960,676; May 29.
- Cutting, trimming, and ornamenting machine. A. W. Altwater. 1,941,966; Jan. 2.
- Cyanamid seed disinfectant. V. Migrdichian and J. L. Horsfall. 1,949,485; Mar. 6.
- Cyanamide, Granulating. G. E. Cox. 1,947,971; Feb. 20.
- Cyanamids or mixtures containing the same, Preparation of metal. H. H. Franck. 1,948,106; Feb. 20.
- Cyanhydriens, Preparation of. A. D. Macallum. 1,984,415; Dec. 18.
- Cyanides, Manufacture of. A. D. Macallum. 1,966,253; July 10.
- Cyanides, Producing. E. J. Pranke. 1,961,569; June 5.
- Cyano-acetyl compound and preparing it, Aromatic. W. Eckert, H. Sieber, and H. Greune. 1,972,219; Sept. 4.
- Cycle control apparatus, Master. R. A. Steps. 1,947,679; Feb. 20.
- Cycle controller. F. J. Bast. 1,979,246; Nov. 6.
- Cycle controller, Automatic. F. J. Bast and L. C. Irwin. 1,959,336; May 22.
- Cycles, Tow bar for. A. L. Hess. 1,949,962; Mar. 6.
- Cyclic compound and preparing same. W. H. Carothers and A. M. Collins. 1,967,862; July 24.
- Cyclohexyl-phenyl-amines and preparing them, Acylated. G. Kalischer and R. Fleischhauer. 1,944,514; Jan. 23.
- Cylinder blocks to crank cases, Attaching. J. M. Tyler. 1,948,810; Feb. 27.
- Cylinder connection for printing machines. W. P. Shomaker. 1,958,175; May 8.
- Cylinder construction. H. E. Muchnic. 1,966,037; July 10.
- Cylinder controlling mechanism for knitting machines. W. Larkin. 1,949,314; Feb. 27.
- Cylinder, Dating and numbering. W. P. Shomaker. 1,978,554; Oct. 30.
- Cylinder, Drying. M. E. Hanson. 1,978,081; Oct. 23.
- Cylinder for brakes, Master. P. F. G. B. von Oberstadt. 1,951,224; Mar. 13.
- Cylinder for electric controllers. A. Slover. 1,960,758; May 29.
- Cylinder for hydraulic brakes. E. Engel. 1,980,616; Nov. 13.
- Cylinder grinding tool. H. W. Zimmerman. 1,978,445; Oct. 30.
- Cylinder head. H. L. McPherson. 1,942,439; Jan. 9.
- Cylinder head assembly for internal-combustion engines. E. S. MacPherson. 1,941,947; Jan. 2.
- Cylinder head construction. J. F. White. 1,984,101; Dec. 11.
- Cylinder head for internal combustion engines. A. H. R. Fedden. 1,962,987; June 12.
- Cylinder bones and the like, Device for adjusting. W. E. Heuer. 1,941,837; Jan. 2.
- Cylinder liner for internal combustion engines. W. Hefti. 1,968,449; July 31.
- Cylinder lock. K. A. Brauning. 1,979,095; Oct. 30.
- Cylinder looper. T. H. De Spain. 1,975,715; Oct. 2.
- Cylinder, Night latch. S. R. Fram. 1,947,386; Feb. 13.
- Cylinder of two stroke internal combustion engine. C. Schaer. 1,960,597; May 29.
- Cylinder, Printing. E. W. Haward and A. T. Hopkins. 1,966,858; July 17.
- Cylinder ridge reamer. C. A. Olson. 1,980,288; Nov. 13.
- Cylinder structure, Rotary. F. A. Gerlach. 1,968,679; July 31.
- Cylinder, Unireturn flow steam. F. W. Dean. 1,953,674; Apr. 3.
- Cylinders, Apparatus for making embossing. F. Fischer. 1,945,935; Feb. 6.
- Cylinders for engraving lenticular elements on films, Manufacturing goffering. H. Arni. 1,945,586; Feb. 6.
- Cylinders for the goffering of films, Embossing. A. Gary. 1,982,209; Nov. 27.
- Cylinders, Making air-cooled. C. F. Kettering. 1,948,818; Feb. 27.
- Cylinders, Making engine. R. M. Heintz. 1,955,292; Apr. 17.
- Cylinders of two stroke internal combustion engines. J. L. Jameson. 1,977,557; Oct. 16.
- Cylinders, Producing. J. F. Bowers. 1,948,437; Feb. 20.
- Cylinders to obtain films with refringent elements, Arrangement for engraving. A. Rodde, A. H. Herault, V. Hudeley, and J. Lagrave. 1,955,658; Apr. 17.
- Cylindrical bodies, Apparatus for welding. V. E. Cornell. 1,984,300; Dec. 11.
- Cylindrical members with a hard material, Coating. E. H. Tartrais. 1,971,433; Aug. 28.
- Cystoscope and the like. L. Buerger. 1,958,656; May 15.
- D-handles, Making. W. A. Ready. 1,982,177; Nov. 27.
- Dagger for looms. J. M. Bolt. 1,953,921; Apr. 10.
- Dam. A. Nordin. 1,951,704; Mar. 20.
- Dam, Arched. C. C. Tillotson. 1,950,095; Mar. 6.
- Dam construction. R. R. Randell. 1,957,154; May 1.
- Damped mechanical filter. E. W. Kellogg. 1,947,543; Feb. 20.
- Dampener and isolator, Vibration. S. E. Slocum. 1,969,046; Aug. 7.
- Dampening devices for lithographic offset presses and the like. J. Schultz. 1,969,154; Aug. 7.
- Dampening in lithographic presses, Method of and apparatus for. J. Schultz. 1,958,593; May 15.
- Dampening mechanism for lithographic offset presses and the like. J. Schultz. 1,969,155; Aug. 7.
- Dampening roller. P. Schwartz. 1,955,442; Apr. 17.
- Damper. J. H. Bearisto. 1,973,600; Sept. 11.
- Damper. H. Bornheim. 1,972,677; Sept. 4.
- Damper. R. F. Davies. 1,967,552; July 24.
- Damper. E. J. McDonnell. 1,956,959; May 1.
- Damper, Adjustable. B. W. White. 1,946,008; Feb. 6.
- Damper, Chimney. M. Orgen. 1,960,825; May 29.
- Damper closer, Draft. C. M. Selby. 1,950,755; Mar. 13.
- Damper clutch plate assembly, Flexible. W. F. Hughes. 1,946,144; Feb. 6.
- Damper control. L. H. Gerow. 1,954,125; Apr. 10.
- Damper control device. F. M. Young. 1,971,841; Aug. 28.
- Damper control for wall registers or grilles. J. A. Gernonprez. 1,946,788; Feb. 13.
- Damper control mechanism. J. F. Rougvie. 1,949,550; Mar. 6.
- Damper control, Thermostatic. A. J. Otto. 1,961,526; June 5.
- Damper for furnaces, Equipoise. A. C. Bridge. 1,957,197; May 1.
- Damper for gas hot water heaters, Automatic. L. O. Stinson. 1,959,970; May 22.
- Damper for vehicle propelling apparatus, Vibration. R. K. Lee. 1,984,413; Dec. 18.
- Damper, Furnace. H. M. Cunningham. 1,958,847; May 15.
- Damper, Inlet. S. H. Downs. 1,978,127; Oct. 23.
- Damper means and draft regulating means for furnaces. M. S. Alexander. 1,963,640; June 19.
- Damper, Torsional vibration. R. Chilton. 1,980,185; Nov. 13.
- Damper valve. E. B. Miller. 1,944,900; Jan. 30.
- Damper, Vibration. W. E. Hann. 1,944,233; Jan. 23.
- Damper, Vibration. W. W. Harris. 1,978,199; Oct. 23.
- Damper, Vibration. R. K. Lee. 1,962,746; June 12.

- Damper, Vibration. C. E. Summers. 1,948,247; Feb. 20.
 Damper, Vibration. M. Tibbetts. 1,950,888; Mar. 13.
 Damper, Vibration. R. H. Whisler. 1,949,520; Mar. 6.
 Damping device. O. Wünsche. 1,977,333; Oct. 16.
 Damping device for measuring instruments. J. G. Paulin. 1,959,544; May 22.
 Damping error preventing means. E. C. Sparling. 1,971,510; Aug. 28.
 Dance floor support, Adjustable. W. B. Templeton. 1,948,600; Feb. 27.
 Dancing tap and toe support. A. L. Sothen. 1,967,334; July 24.
 Dandelion killer. H. J. Federspiel. 1,965,799; July 10.
 Dandelion puller. D. Dragovich. 1,959,617; May 22.
 Dandy roll. E. E. Berry. 1,953,060; Apr. 3.
 Dandy roll. G. N. Hoover, jr. 1,960,154; May 22.
 Dark slide. W. Salchow. 1,941,625; Jan. 2.
 Dashboard, Automobile. E. Bugatti. 1,972,438; Sept. 4.
 Dashpot. J. H. Starr. 1,947,810; Feb. 20.
 Dashpot. W. Timson. 1,964,186; June 26.
 Dash pot for time lag relays. F. Wolff. 1,942,040; Jan. 2.
 Date-setting device. A. S. Wheelbarger. 1,947,893; Feb. 20.
 Dauber, Liquid. E. P. Allen. 1,970,831; Aug. 21.
 Davenport. V. P. Jackson. 1,978,902; Oct. 30.
 Daylight screen. T. Shimizu. 1,942,841; Jan. 9.
 Deaerating and deoiling machine. C. G. Hawley. 1,963,200; June 19.
 Deaerating apparatus. A. E. Kittredge. 1,951,024; Mar. 13.
 Deaerating steam heating system. G. H. Gibson. 1,969,888; Aug. 14.
 Deaeration, Method of. J. R. McDermet. 1,965,386; July 3.
 Decalcomania. W. Hepp. 1,968,394; July 31.
 Decalcomania and method of making. E. A. Borden. 1,973,403; Sept. 11.
 Decanter. H. R. Tumlin. 1,960,686; May 29.
 Decelerating device. E. A. Rockwell. 1,953,366; Apr. 3.
 Decelerometer. R. J. Alden. 1,983,830; Dec. 11.
 Decelerometer indicating instrument. R. J. Alden. 1,970,483; Aug. 14.
 Deck chair. H. G. Shearer. 1,952,610; Mar. 27.
 Deck lid lock. H. W. Rightmyer. 1,957,806; May 8.
 Deck, Semi-pontoon floating. A. A. Kramer. 1,958,437; May 15.
 Decking, Roof. N. P. Wright. 1,969,918; Aug. 14.
 Declutching mechanism. R. S. Sanford. 1,985,428; Dec. 25.
 Decomposition of rare earth metal bearing ores. R. Schulze. 1,981,126; Nov. 20.
 Deconcentrator. W. H. Armacost. 1,949,853; Mar. 6.
 Decorating device. L. L. Raymond. 1,976,093; Oct. 9.
 Decorating web, Flexible. J. F. Carpenter. 1,985,480; Dec. 25.
 Decoration. H. B. Willis. 1,966,533; July 17.
 Decoration and light holder. E. E. Flyberg. 1,948,813; Feb. 27.
 Decorative and acoustic composition. C. J. Verveny and H. Evans. 1,971,900; Aug. 28.
 Decorative article. L. Pollock. 1,981,663; Nov. 20.
 Decorative article, Molded. L. O. Marsteller. 1,943,131; Jan. 9.
 Decorative device. E. J. Cherry. 1,961,816; June 5.
 Decorative device. A. Wolf. 1,951,717; Mar. 20.
 Decorative device for cakes or the like. H. G. Bantleon and C. A. Schubert. 1,982,723; Dec. 4.
 Decorative illuminated device. L. Szel. 1,980,708; Nov. 13.
 Decorative illumination. J. W. Shaw. 1,973,858; Sept. 18.
 Decorative material and making same. L. W. F. Carstein. 1,952,310; Mar. 27.
 Decorative material and method of making. F. G. Mayer. 1,975,515; Oct. 2.
 Decorative material, Producing. R. Mattison. 1,947,271; Feb. 13.
 Decorative product. M. M. Assael. Re19,103; Mar. 6.
 Decorative reflective article. F. L. Porter. 1,943,623; Jan. 16.
 Decorative surface and making the same. C. E. Logan and J. G. Perseguiti. 1,976,237; Oct. 9.
 Decorticating and deburring machine. J. E. Haynes. 1,964,633; June 26.
 Decorticating and deburring machine. J. E. Haynes. 1,983,454; Dec. 4.
 Decorticating machine for grain, rice, and similar cereals. E. Ansele and M. de Moor. 1,969,442; Aug. 7.
 Decoy. F. and W. H. Lyons, jr. 1,948,624; Feb. 27.
 Decoy duck. A. D. Massie. 1,951,429; Mar. 20.
 De-dusting apparatus. H. E. Brelsford, W. P. Thomas, and N. L. Snow. 1,952,490; Mar. 27.
 Deed dispensing device. W. F. Wamhoff. 1,944,381; Jan. 23.
 Deep well pressure gauge. P. McDonald. 1,969,141; Aug. 7.
 Deep well pump. O. E. Griffiths. 1,953,171; Apr. 3.
 Deep well pump, Fluid-motor. C. J. Coberly. 1,946,454; Feb. 6.
 Defects in yarn, thread, and the like, Device for detecting. C. D. Reynolds and G. W. Scott. 1,949,943; Mar. 6.
 Defiberizer. W. G. Hagmaier. 1,974,647; Sept. 25.
 Deflection of a control member which has been affected by a change in the impulse value, Device for compensating a. G. Wünsche. 1,959,889; May 22.
 Defoamed product. J. Wolfson. 1,957,514; May 8.
 Defoaming. J. Wolfson. 1,957,513; May 8.
 Defroster. W. A. Kuenzli and C. E. Ploeger. 1,950,115; Mar. 6.
 Defroster for refrigerating devices. W. K. Levis. 1,966,099; July 10.
 Defroster switch. M. E. Henning. 1,980,524; Nov. 13.
 Defrosting apparatus. A. W. Ruff. 1,970,340; Aug. 14.
 Defrosting cooling element of mechanical refrigerators. J. A. Diener and J. E. Gardiner. 1,942,412; Jan. 9.
 Defrosting indicator for mechanical refrigerators. F. J. Troll. 1,945,100; Jan. 30.
 Defrosting mechanism. F. J. Bast. 1,952,050; Mar. 27.
 Dehairing machine. J. J. Gonsor. 1,955,122; Apr. 17.
 Dehydrator. R. L. Puccinelli. Re19,342; Oct. 16.
 Dehydrator for refrigerators. R. E. Gray. 1,965,461; July 3.
 Dehydrator having emulsion guiding surface. H. C. Eddy and C. F. Kiech. 1,963,325; June 19.
 Dehydrator having gas pocket. W. F. Van Loenen. 1,978,794; Oct. 30.
 Dehydrogenation products of alcohols by catalytic dehydrogenation, Preparing. A. J. van Peski and H. F. J. Lorang. 1,956,088; Apr. 24.
 Dehydroroteneone, Preparing. H. L. J. Haller and P. S. Schaffer. 1,945,312; Jan. 30.
 Deicer for aeroplanes. C. W. Leguillon. 1,942,867; Jan. 9.
 Deinking wastes and other industrial effluents, Purification of. S. D. Wells and W. B. Cramer. 1,982,129; Nov. 27.
 Delicacies and container therefor, Producing frozen. J. J. Nolte. 1,947,872; Feb. 20.
 Delinquency indicator of flyback type. R. M. Hopkins. 1,942,814; Jan. 9.
 Delinquency indicator of revolving arm type. R. M. Hopkins. 1,942,815; Jan. 9.
 Delivery container. K. E. Verhoven. 1,975,240; Oct. 2.
 Delivery container. K. E. Verhoven. 1,976,530; Oct. 9.
 Delivery device. P. C. Smith. 1,984,997; Dec. 18.
 Delivery mechanism. H. Fankboner. 1,949,152; Feb. 27.
 Delivery mechanism. C. G. Quick, D. A. Ball, and W. A. Whitehead. 1,955,547; Dec. 25.
 Delivery mechanism for bag machines. A. Potdevin. 1,949,881; Mar. 6.
 Delivery mechanism for printing machines. D. M. McBean. 1,985,211; Dec. 18.
 Delivery mechanism for printing machines. C. G. Quick, C. W. Marshall, D. A. Ball, and W. A. Whitehead. 1,955,514; Apr. 17.
 Delivery mechanism for printing machines. J. D. Spillane. 1,956,541; Apr. 24.
 Delivery mechanism for printing presses. F. E. Rich and F. C. Burdick. Re19,254; July 24.
 Delivery mechanism for use in printing machines. C. G. Quick and C. W. Marshall. 1,972,460; Sept. 4.
 Delivery plant for raising liquids from great depths, Pneumatic. O. Meyer. 1,960,448; May 29.
 Deluge valve, Remotely controlled. C. W. Hutchinson. 1,976,022; Oct. 9.
 Demonstration apparatus. R. J. Linney. 1,947,605; Feb. 20.
 Demonstration apparatus. J. F. Putnam and E. R. Abbe. 1,977,244; Oct. 16.
 Demountable electron tube, High power. L. A. Gebhard. 1,978,424; Oct. 30.
 Demountable hump reel. W. J. Simonds. 1,957,618; May 8.
 Demountable tube, High power. L. A. Gebhard. 1,978,423; Oct. 30.
 Demountable wheel. U. Antoni. 1,945,410; Jan. 30.
 Demountable wheel. R. J. Cochran. 1,968,745; July 31.
 Demountable wheel. J. H. Wagenhorst. 1,943,151; Jan. 9.
 Demultiplying apparatus, Automatic. M. de Laderrière. 1,972,377; Sept. 4.
 Denaturant for ethyl alcohol. L. J. Figg, jr. 1,975,090; Oct. 2.
 Denaturant for ethyl alcohol. L. J. Figg, jr. 1,975,092; Oct. 2.
 Density controlling apparatus. H. S. Coe. 1,957,941; May 8.
 Density determination by X-rays. G. Levene and W. Konikov. 1,973,906; Sept. 18.
 Dental amalgams, Packing of. E. Allaire. 1,971,843; Aug. 28.
 Dental and surgical ejector. E. R. Fried. 1,947,389; Feb. 13.
 Dental apparatus. O. H. Pieper. 1,959,964; May 22.
 Dental appliance. C. A. Sweet. 1,959,508; May 22.
 Dental attachment, Stress-breaking. P. Joffé. 1,953,715; Apr. 3.
 Dental bur holder. T. E. Moore. 1,973,222; Sept. 11.
 Dental casting patterns, Apparatus for investing. D. W. Phillips. 1,953,866; Apr. 3.
 Dental clamp, Tissue protective. S. C. Andaloro. 1,970,875; Aug. 21.
 Dental crown gauge. W. L. Stansbury. 1,950,865; Mar. 13.
 Dental demonstrating device. H. O. Baugh. 1,948,059; Feb. 20.
 Dental device. C. D. Mastrud. 1,945,616; Feb. 6.

- Dental dimensionator. F. E. Gulick. 1,944,601; Jan. 23.
 Dental fitting for laboratories. L. B. Roberts. 1,978,328; Oct. 23.
 Dental flask press. R. C. Angell. 1,941,780; Jan. 2.
 Dental floss holder. H. H. Ladwig. 1,955,428; Apr. 17.
 Dental floss holder. C. E. Rose. 1,966,463; July 17.
 Dental hand piece. L. K. Campbell. 1,977,263; Oct. 16.
 Dental instrument grinding device. O. Suter. 1,950,824; Mar. 13.
 Dental investment composition and process. P. F. Collins. 1,953,075; Apr. 3.
 Dental models, Producing. R. M. Gorder. 1,961,609; June 5.
 Dental operating lamp. A. F. Pieper. 1,963,278; June 19.
 Dental operative instrument. F. J. Bronner. 1,953,584; Apr. 3.
 Dental plate. P. Bergerhausen and J. Kufferath. 1,945,767; Feb. 6.
 Dental plate. F. Hauptmeyer. 1,968,765; July 31.
 Dental plates, Producing. J. D. Kinsley. 1,955,709; Apr. 17.
 Dental preparation. R. Cross. 1,948,856; Jan. 16.
 Dental press, Dry heat. R. A. Stehley. 1,952,951; Mar. 27.
 Dental pressure gauge. J. V. Spitzer. 1,976,639; Oct. 9.
 Dental restoration. F. G. Neurohr. 1,976,085; Oct. 9.
 Dental rolls, Making absorbent. J. W. B. Ladd. 1,942,654; Jan. 9.
 Dental slab. J. B. Earman. 1,982,155; Nov. 27.
 Dental tool. A. S. Gross. 1,954,623; Apr. 10.
 Dental tool. A. D. Wiseman. 1,982,336; Nov. 27.
 Dental tool angle. N. Latham. 1,984,663; Dec. 18.
 Dental unit. W. J. Meier. 1,960,446; May 29.
 Dentifrice. W. K. Sheffield and C. H. Dickson. 1,968,858; Aug. 7.
 Dentifrice package. A. I. Crowther. 1,955,175; Apr. 17.
 Denture. S. E. Litchitz. 1,972,596; Sept. 4.
 Denture, Cast metallic. C. H. Prange. 1,958,446; May 15.
 Dentures. C. H. Wharton. 1,947,026; Feb. 13.
 Dentures, Retention and traction for. J. Groves. 1,947,907; Feb. 20.
 Dents from sheet metal surfaces, Removing. O. L. Callahan. 1,973,331; Sept. 11.
 Deodorant. J. S. Brogdon. 1,957,385; May 1.
 Deodorant attachment for cooking utensils. R. H. Peters. 1,942,900; Jan. 9.
 Deodorant, Breath. J. Muckerjee. 1,978,217; Oct. 23.
 Deodorant composition. H. Taub. 1,984,669; Dec. 18.
 Deodorant container. C. D. Farmer. Des. 91,651; Mar. 6.
 Deodorant container. A. L. Saeks. 1,954,893; Apr. 17.
 Deodorant container and content. M. Fuld. 1,966,074; July 10.
 Deodorant stick. M. Small. 1,969,331; Aug. 7.
 Deodorizer. H. Carter. 1,984,055; Dec. 11.
 Deodorizer and dehumidifier, Combination. E. K. Madan. 1,950,502; Mar. 13.
 Deodorizer, Mechanical. C. R. Malmberg. 1,978,467; Oct. 30.
 Deodorizer, Toilet bowl. A. L. Saeks. Des. 92,428; June 5.
 Depilatory. A. A. Uebbing. 1,954,397; Apr. 10.
 Deposit and collection receptacle. L. Southwell. 1,957,914; May 8.
 Depositing machine. A. Kremmling. 1,974,336; Sept. 18.
 Depository. J. J. Murtaugh, Jr. 1,949,283; Feb. 27.
 Deposits of nickel, Formation of dense, highly lustrous, and impervious. M. Schlöter. 1,972,693; Sept. 4.
 Depth indicator for liquids. C. B. Ebricht. 1,969,784; Aug. 14.
 Depth measuring device. W. A. Dunagin. 1,969,969; Aug. 14.
 Depthographs, Making. E. E. Draper. 1,958,036; May 8.
 Derivative of cellulose composition and preparing the same. G. Schneider. 1,949,434; Mar. 6.
 Derivative of cellulose solvent and employing the same. G. W. Seymour. 1,962,157; June 12.
 Derivative of montane. M. Jahrstorfer and H. G. Hummel. 1,948,299; Feb. 20.
 Derivatives of amino-6-methyl-2-heptene-2, Production of. W. Klavehn. 1,972,450; Sept. 4.
 Derivatives of anthraquinone, Manufacture of basic. J. Hall, H. C. Olpin, G. Reeves, and E. W. Kirk. 1,969,748; Aug. 14.
 Derivatives of barbituric acid, N-alkylated. W. Kropp and L. Taub. 1,948,944; Feb. 20.
 Derivatives of Bzl. Bzl'-dibenzanthronyl-selenide, Substitution. M. A. Perkins. 1,977,242; Oct. 16.
 Derivatives of cellulose, Manufacture of organic substitution. H. Dreyfus. 1,947,464; Feb. 20.
 Derivative of diaryl sulphides, Phenolic. T. B. Johnson. 1,976,732; Oct. 16.
 Derivatives of diphenylmethane, Producing. E. L. Matison. 1,954,434; Apr. 10.
 Derivatives of 8-hydroxy-1-naphthylamine, Production of polyazo. L. H. Flett. 1,965,635; July 10.
 Derivatives of higher aliphatic hydrocarbons containing sulphur and making same. New. K. Keller. 1,950,850; Mar. 13.
 Derivatives of higher fatty acids and making same. K. Keller. 1,959,478; May 22.
 Derivatives of paraffins, New hydroxylated. K. Keller and E. Gofferje. 1,968,151; July 31.
 Derivatives of the anthraquinone series, Manufacture of hydroxylated. E. W. Kirk, H. C. Olpin and G. H. Ellis. 1,963,136; June 19.
 Derivatives of the dihydroxy benzenes and manufacture of same. M. Guggenheim. 1,960,184; May 22.
 Derrick. J. E. Gadbois. 1,956,094; Apr. 24.
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 Derrick construction. A. W. Lewis. 1,972,269; Sept. 4.
 Derrick for tractors, Side-mounted. N. M. Erdahl. 1,985,285; Dec. 25.
 Derrick, Portable. W. G. Adams. 1,961,541; June 5.
 Derrick, Portable. A. B. Kintzley. 1,974,463; Sept. 25.
 Derrick structure and raising a derrick mast. G. R. Lunt and C. Fegly. 1,949,750; Mar. 6.
 Derrick, Weighing. M. L. Louvier. 1,967,622; July 24.
 Desander or vacuum bailer. A. H. Fletcher. 1,958,915; May 15.
 Descaler. S. S. Roberts. 1,984,762; Dec. 18.
 Descaling process. G. C. Kiefer. 1,974,571; Sept. 25.
 Design, Apparatus for producing. H. V. Schieren. 1,944,111; Jan. 16.
 Desk. A. J. Lehman. 1,954,632; Apr. 10.
 Desk. R. K. Merrill. 1,976,081; Oct. 9.
 Desk. E. B. Morgan. 1,979,564; Nov. 6.
 Desk. C. F. Wolters. 1,942,387; Jan. 2.
 Desk accessory. J. T. Lewis. 1,972,024; Aug. 28.
 Desk and dresser cabinet, Combined. J. T. Li Mandri. Des. 91,718; Mar. 13.
 Desk and seat structure. E. H. Sheldon. 1,961,459; June 5.
 Desk, Automobile. H. Thompson. 1,951,261; Mar. 13.
 Desk display device, Stock quotation. C. Smith. 1,978,094; Oct. 23.
 Desk, Drop head typewriter. J. R. Clark and F. W. Ackerman. 1,973,404; Sept. 11.
 Desk, Extension leaf. B. G. Rand. 1,958,368; May 8.
 Desk, Fireproof record. D. E. Hunter. 1,964,578; June 26.
 Desk, Foldable. J. Fanarjian. 1,948,703; Feb. 27.
 Desk for motor vehicles, Elevating. A. R. Brassell. 1,964,339; June 26.
 Desk or similar article. J. R. Jones. Des. 92,847; July 24.
 Desk set. H. A. Funk. Des. 92,596; June 26.
 Desk stand. C. M. Du Bois. Des. 91,514-15; Feb. 20.
 Desk stand. L. Guild. Des. 94,136; Dec. 25.
 Desk, Steel. N. H. Jenkins. 1,975,004; Sept. 25.
 Desk structure. E. H. Sheldon. 1,944,765; Jan. 23.
 Desk, Student's. C. R. Clifton. 1,958,783; May 15.
 Desk tool. F. J. Becker. Des. 92,226; May 15.
 Desk top, Extensible. J. R. Clark. 1,956,005; Apr. 24.
 Desk top, Portable. L. S. Madden. 1,942,340; Jan. 2.
 Desuperheater. W. H. Armacost. 1,963,731; June 19.
 Desuperheater. A. Huet. 1,964,060; June 26.
 Desuperheater. V. Voorhees. 1,983,422; Dec. 4.
 Desuperheater control. H. S. Fraser. 1,969,504; Aug. 7.
 Detachable bit. J. B. Baker. 1,953,095; Apr. 3.
 Detachable clamp. A. R. Peglar. 1,977,402; Oct. 16.
 Detachable clamp. L. Locke. 1,949,882; Mar. 6.
 Detachable watt-hour meter mounting, Universal. W. M. Bradshaw, W. G. Mylius, and B. G. La Bar. 1,969,499; Aug. 7.
 Detaching device for manifold material. J. Q. Sherman. 1,959,967; May 22.
 Detector: See—
 Coin detector. Soap detector.
 Flaw detector. Thermostatic detector.
 Pneumatic stop detector.
 Detector. A. Sharp and J. M. G. Fullman. 1,957,477; May 8.
 Detector system. R. Villem. 1,978,482; Oct. 30.
 Detergent. H. K. Ihrig and A. S. Butterworth. 1,975,946; Oct. 9.
 Detergent and wetting agent, Emulsifying. H. A. Bruson. 1,952,008; Mar. 20.
 Detergent composition. W. S. Calcott and G. H. Cheney. 1,967,393-4; July 24.
 Detergent composition. G. S. Evans. 1,968,752; July 31.
 Detergent compound and preparing the same. E. F. Drew. 1,962,299; June 12.
 Detergent holder. K. M. Uhri. 1,955,989; Apr. 24.
 Detergent, Solid. G. S. Evans. 1,968,753; July 31.
 Detergent unit. S. Rosenblatt. 1,981,249; Nov. 20.
 Detergents, Shaping and cooling hot liquid. A. W. Scheidt. 1,944,848; Jan. 23.
 Detonator. M. F. Biazzi. 1,950,019; Mar. 6.
 Dextrifying apparatus. E. B. Besselièvre. 1,979,955; Nov. 6.
 Developing appliance. E. Zollinger. 1,974,353; Sept. 18.
 Deviometer. F. W. Dunmore. 1,981,857; Nov. 27.
 Device casing. S. N. Hurt. 1,954,207; Apr. 10.
 Device comprising a gas filled electric discharge tube. E. Oosterhuis. 1,951,106; Mar. 13.
 Device for applying and removing locking bungs. G. C. Hume. 1,963,202; June 19.
 Device for automatically adjusting the size of the loop in cinematographic apparatus. E. Oehmichen. 1,958,152; May 8.
 Device for balancing the action of forces and inertia. G. H. Schieferstein. 1,973,510; Sept. 11.
 Device for counterbalancing or diminishing the vibrations occurring in the stationary parts of engine plants and the like. V. A. Kjaer. 1,958,148; May 8.
 Device for detecting and indicating insufficiently filled packages in packing machines. P. Gangler. 1,956,762; May 1.
 Device for detecting incorrect ply of yarn. E. R. Swanson. 1,960,462; May 29.

- Device for dissipating energy, Automatic. C. J. Eckroad. 1,950,446; Mar. 13.
- Device for driving a vehicle sideward. J. L. Barr. Re19,247; July 24.
- Device for facilitating the securing of bolts in walls. W. R. Nusbaum. 1,958,674; May 15.
- Device for facilitating the starting up of spinning jets. W. I. Taylor. 1,958,500; May 15.
- Device for gas filled luminous tube systems. J. E. Gross. 1,966,120; July 10.
- Device for goggles and the like. R. C. Jones. 1,969,710; Aug. 7.
- Device for handling rolls of paper. D. G. Bernard. 1,950,538; Mar. 13.
- Device for heating viscous liquid in a tank. S. G. Cantacuzene. 1,962,054; June 5.
- Device for inserting waxed paper ends in waxed paper bottle bodies. R. K. Reed. 1,962,213; June 12.
- Device for machining and trimming the side faces of weaving shuttles or the like. J. Rückert. 1,956,810; May 1.
- Device for mounting on a spare tire. J. R. Oishei and W. Paulus. 1,973,646; Oct. 30.
- Device for picture frames and the like. C. H. O. Wittig. 1,944,203; Jan. 23.
- Device for reducing the capacity of molds and using the same. P. W. Crowley. 1,969,259; Aug. 7.
- Device for removing from a pile of sheets the sheet lowermost at the time. A. Winkler and M. Dünnebieber. 1,945,248; Jan. 30.
- Device for securing a head to a barrel. H. C. Wilcox. 1,978,241; Oct. 23.
- Device for sounding purposes and for measurements of distance by the reflected sound of a submarine signal received on shipboard. A. E. Blondel. 1,948,253; Feb. 20.
- Device for the connecting of branch wires on power current lines. A. Egger. 1,951,475; Mar. 20.
- Device for the selective removal and assembly of articles. G. A. Reeve. 1,950,192; Mar. 6.
- Device for the treatment of certain ailments. K. G. Drucker. 1,968,997; Aug. 7.
- Device for use in the manufacture of ornamental fabrics. D. M. Campbell. 1,964,501; June 26.
- Device for use in the manufacture of ornamental fabrics. D. H. Chason. 1,964,453; June 26.
- Device for use in the manufacture of ornamental fabrics. S. Svensson. 1,964,486; June 26.
- Device for use in the manufacture of ornamental fabrics. A. Tiesler. 1,964,607; June 26.
- Device for use on a core barrel. J. C. Wright. 1,971,437; Aug. 28.
- Device giving the appearance of a tied cravat. T. Parri. 1,955,651; Apr. 17.
- Device maintaining automatically the frequency of an oscillator. H. Martin. 1,951,666; Mar. 20.
- Device more particularly adapted for sharpening blades. U. Allioni and N. Coen. 1,973,739; Sept. 18.
- Device on vehicles for protecting pedestrians. H. Karl. 1,972,404; Sept. 4.
- Dew point control device. K. P. Brace. 1,960,658; May 29.
- Dewatering apparatus. H. W. French. 1,949,998; Mar. 6.
- Dewatering device. G. W. Behnke. 1,946,663; Feb. 13.
- Dewaxing system. R. N. Giles. 1,977,054; Oct. 16.
- Dextrose, Making hydrous. C. J. Copland and W. B. Newkirk. 1,954,584; Apr. 10.
- Dextrose, Manufacture of anhydrous. W. B. Newkirk. 1,976,361; Oct. 9.
- Dezincing machine. K. A. Lindner. 1,949,391; Feb. 27.
- Diagnostic method and apparatus. J. P. Buckley. 1,933,534; Dec. 11.
- Diagram, Supervisory illuminated control. O. Plechl. 1,949,110; Feb. 27.
- Diagrams, Apparatus for producing orthodiagraphic. G. Bucky. 1,985,715; Dec. 25.
- Dial and switch mechanism. T. H. Eickhoff. 1,969,926; Aug. 14.
- Dial arrangement applicable to various apparatus. R. Melik-Minassiantz. 1,949,024; Feb. 27.
- Dial construction, Watch. J. Schonholtz, D. Meger, and M. A. Popiel. 1,968,712; July 31.
- Dial for multirange radioreceivers. J. T. Webber. 1,942,012; Jan. 2.
- Dial for stick quotation boards, Indicating. C. T. Foss. 1,964,047; June 26.
- Dial for various apparatus. R. Melik-Minassiantz. 1,942,343; Jan. 2.
- Dial illuminating means for telephones. E. H. Schmitt. 1,982,457; Nov. 27.
- Dial illuminator, Telephone. M. Fritts. 1,966,495; July 17.
- Dial indicator. J. M. Bowman. 1,972,758; Sept. 4.
- Dial-knitting machine. R. H. Lawson. 1,949,390; Feb. 27.
- Dial register for telephone numbers. H. P. Iverson. 1,951,022; Mar. 13.
- Dials of instruments, Illuminating. A. Urfer. 1,976,270; Oct. 9.
- Dialkyl-amino-alkyl-esters of alkoxy-carboxy-diphenyls. W. G. Christiansen and A. W. Harvey. 1,976,924; Oct. 16.
- Dialkyl-amino-alkyl-esters of dialkyl-amino-alkoxy-3-carboxy-diphenyls. W. G. Christiansen and W. Braker. 1,976,921; Oct. 16.
- Dialkyl-amino-alkyl-esters of hydroxy-3-carboxy diphenyls. W. G. Christiansen and A. W. Harvey. 1,976,922; Oct. 16.
- Diameter gripping device, Variable. B. C. Flynn. 1,978,453; Oct. 30.
- Diamond wedding ring. L. L. Pandres. Des. 92,674; July 3.
- Diaper. F. Ellinger. 1,958,082; May 8.
- Diaper. E. Friedman. 1,941,677; Jan. 2.
- Diaper. E. Friedman. 1,961,515; June 5.
- Diaper. H. B. Grant. 1,971,606; Aug. 28.
- Diaper. J. I. Myers. 1,954,457; Apr. 10.
- Diaper and the like. R. J. O'Brien and A. A. Rubin. 1,980,899; Nov. 6.
- Diaper, Form fitting. W. L. Leavy. 1,941,868; Jan. 2.
- Diaphragm. G. E. Eaton. 1,943,425; Jan. 16.
- Diaphragm. H. E. Schoenbut. 1,947,362; Feb. 13.
- Diaphragm. F. A. Stapler. 1,984,439; Dec. 18.
- Diaphragm centering means. F. Gabbert. 1,974,914; Sept. 25.
- Diaphragm device. E. H. Foley and G. B. Sampair. 1,984,637; Dec. 18.
- Diaphragm device, Flexible. D. W. Lloyd. 1,967,314; July 24.
- Diaphragm for electrodynamic loud speakers. A. Herrmann. 1,971,452; Aug. 28.
- Diaphragm for electrolytic cells. H. Müller. 1,942,183; Jan. 2.
- Diaphragm level and saddle mechanism. H. C. Wasson. 1,968,920; Aug. 7.
- Diaphragm meter. G. B. Linderman, jr. 1,966,985; July 17.
- Diaphragm pressure regulator. R. Neumann. 1,972,234; Sept. 4.
- Diaphragm pump. W. C. Carter. 1,945,181; Jan. 30.
- Diaphragm pump. W. C. Carter. 1,958,509; May 15.
- Diaphragm pump. W. C. Carter. 1,985,282; Dec. 25.
- Diaphragm restricting the image field in apparatus for projection with transmitted light. F. Meyer. 1,980,492; Nov. 13.
- Diaphragm valve. P. K. Saunders. Re19,151; May 1.
- Diaphragm valve. P. K. Saunders. 1,978,603; Oct. 30.
- Diaphragms adapted for use in physical or like apparatus, Manufacture of. C. Chilowsky and P. Breton. 1,945,933; Feb. 6.
- Diaryl-thiazyl-disulphide, Manufacture of. M. W. Harman. 1,963,019; June 12.
- Diathermic oscillator system. A. M. Nicolson. 1,962,609; June 12.
- Diathermic treatments and the like, Apparatus for use in giving. C. A. Neymann and S. L. Osborne. 1,973,387; Sept. 11.
- Diathermy apparatus. M. Frieberg. 1,967,815; July 24.
- Diathermy contact pad. C. F. Jenkins. 1,948,716; Feb. 27.
- Diazodinitrophenol, Producing. R. S. Hancock and L. C. Pritchett. 1,952,591; Mar. 27.
- Diazoimino compound produced from heterocyclic imines. E. A. Markush. 1,982,681; Dec. 4.
- Diazo-types, Preparing. G. G. D'Hauterive. 1,966,755; July 17.
- Dibenzanthrone and its manufacture. R. N. Lulek. 1,957,547; May 8.
- Dibenzanthrone derivatives, Manufacture of. E. T. Howell. 1,967,617; July 24.
- Dibenzanthrone, Production of. H. J. West. 1,944,771; Jan. 2.
- Dibenzanthrones, Chlorinated. M. A. Kunz, K. Koeberle, and E. Berthold. 1,953,415; Apr. 3.
- Dibenzanthrones, Halogenated. M. A. Kunz, K. Koeberle, and E. Berthold. 1,960,540; May 29.
- Dibenzanthrones, Halogenated. M. A. Kunz, K. Koeberle, and E. Berthold. 1,982,312-13; Nov. 27.
- Dibenzothiocarbonyne dye and process of preparing it. L. G. S. Brooker. 1,969,444; Aug. 7.
- Dicalcium phosphate and ammonium sulphate, Production of. J. Hagens, L. Rosenstein and W. Hirschkind. 1,967,205; July 17.
- Dicalcium phosphate, Producing. W. R. Seyfried. 1,969,951; Aug. 14.
- Dice throwing apparatus. J. Ginsberg. 1,968,885; Aug. 7.
- Dictaphone machine. T. F. Baker. 1,978,448; Oct. 30.
- Dictating and reproducing apparatus. F. N. Del Ponte. 1,978,525; Oct. 30.
- Dictating machine. M. J. Johnson and V. L. Frykman. 1,968,558; July 31.
- Dictating machine. J. M. Lucarelle and J. E. Renholdt. 1,968,649; July 31.
- Dictation machine. H. A. S. Howarth. 1,962,394; June 12.
- Die: See—
- Adjustable die. Push bench tube die.
 - Assembling die. Screw threading die.
 - Automatic die. Self-contained opening die.
 - Drawing die. Thread cutting die.
 - Hat forming die. Thread rolling die.
 - Laminated die. Welding die.
 - Latch pivot die. Wire drawing die.
 - Perforating die.
- Die. L. B. Stogner, sr. 1,984,774; Dec. 18.
- Die and holder, Marking. A. J. Scholtes. 1,978,330; Oct. 23.
- Die and holder, Threading. O. E. Koehler. 1,945,906; Feb. 6.
- Die assembly for forming bottle caps. W. P. Henry. 1,975,150; Oct. 2.
- Die block for extrusion presses and method of extruding, Weldless. C. C. Jacobson. 1,983,761; Dec. 11.

- Die-cast threaded object. E. N. Jacobi. 1,973,170; Sept. 11.
- Die-casting. C. Pack. 1,961,941; June 5.
- Die-casting apparatus. A. F. Waltz. 1,981,888; Nov. 27.
- Die-casting apparatus. Assuring the safe working of automatic pressure. K. F. Wagner. 1,981,381; Nov. 20.
- Die-casting apparatus. Automatic. K. F. Wagner. 1,981,380; Nov. 20.
- Die casting machine. G. W. Bungay. 1,956,002; Apr. 24.
- Die-casting machine. W. J. During and N. Lester. 1,954,775; Apr. 10.
- Die-casting machine. W. J. During and N. Lester. 1,960,992; May 29.
- Die casting machine. T. C. Korsmo. 1,961,324; June 26.
- Die-casting machine. F. Lannert. 1,974,822; Sept. 25.
- Die-casting machine. N. Lester. 1,943,680; Jan. 16.
- Die-casting machine. L. H. Morin. 1,948,992; Feb. 27.
- Die-casting machine. L. H. Morin. 1,958,199; May 8.
- Die casting machine. C. Pack. 1,961,942; June 5.
- Die casting machine. D. Richards. 1,950,568; Mar. 13.
- Die-casting machine. R. J. Schultz. 1,950,864; Mar. 13.
- Die casting machine. L. J. Tischler. 1,944,199; Jan. 23.
- Die casting machine. Automatic. H. Hoffmann and M. Luedtke. 1,984,189; Dec. 11.
- Die-casting machine, Pressure. K. F. Wagner. 1,962,628; June 12.
- Die clamp for machines for flanging pipes. F. C. Fantz. 1,955,119; Apr. 17.
- Die clamping device. P. R. Glass. 1,968,886; Aug. 7.
- Die cleaning device for electric welding machines. F. H. Speed. 1,971,538; Aug. 28.
- Die for forming spiral macaroni. A. Ronzoni. 1,946,238; Feb. 6.
- Die for ornamenting shoe parts, Adjustable. A. W. Altvater. 1,977,709; Oct. 23.
- Die for shoe parts, Composite. A. W. Altvater. 1,976,473; Oct. 9.
- Die head, Circular chaser. W. J. Hogg. 1,952,205; Mar. 27.
- Die-head, Self-opening. A. F. Breitenstein. 1,952,743; Mar. 27.
- Die-holder, Adjustable. J. Statz. 1,963,064; June 19.
- Die machine. W. V. Gerster. 1,984,737; Dec. 18.
- Die mechanism. R. L. Wilcox. 1,977,163; Oct. 16.
- Die mounting, Forming a. R. A. Harris. 1,959,422; May 22.
- Die placing and shifting. L. A. Mayle. 1,943,133; Jan. 9.
- Die press. H. R. Graybill. 1,950,726; Mar. 13.
- Die press for punching and shaping metal parts. T. Myhrum. 1,962,281; June 12.
- Die shaping machine. F. Bristle. 1,968,514; July 31.
- Die slide. W. W. Criley. 1,966,925; July 17.
- Die stamping, Apparatus for. L. A. Wilkie. 1,952,152; Mar. 27.
- Die-stamping press. F. O. v. Traitteur. 1,961,310; June 5.
- Die stock. T. M. Lilleberg. 1,967,756; July 24.
- Die stock. T. Petersen. 1,965,856; July 10.
- Die stock. W. A. Phillips. 1,953,974; Apr. 10.
- Die stock. W. O. Thewes. 1,973,231; Sept. 11.
- Die structure. C. O. Wilson. 1,962,543; June 12.
- Dielectric for electrical devices. F. M. Clark. 1,966,162; July 10.
- Dies for assembling cloth-covered articles. L. E. McDonough. 1,957,842; May 8.
- Dies, Formation of printing. L. M. Harley. 1,947,986; Feb. 20.
- Dies, Lapping. W. E. Hoke. 1,979,689; Nov. 6.
- Dies, Making. J. W. Fltz Gerald. 1,950,604; Mar. 13.
- Dies, Making. T. F. Mitchell. 1,947,916; Feb. 20.
- Dies, Making. M. Simons. 1,952,388; Mar. 27.
- Dies, Making drawing. A. P. Roux. 1,944,758; Jan. 23.
- Dies, tools, etc., Making. A. Simons. 1,951,174; Mar. 13.
- Diesel engine. O. C. Kreis. 1,984,836; Dec. 18.
- Diesel engine. B. V. E. Nordberg. 1,949,577; Mar. 6.
- Diesel engine. B. V. E. Nordberg. 1,962,282-3; June 12.
- Diesel engine. B. V. E. Nordberg. 1,967,163; July 31.
- Diesel engine. F. H. Stroud. 1,974,088; Sept. 18.
- Diesel engine. L. M. Woolson. 1,949,556; Mar. 6.
- Diesel type engine. R. D. Lacombe. 1,950,944; Mar. 13.
- Differential. J. C. Coulombe. 1,954,347; Apr. 10.
- Differential carrier. F. Repeck. 1,944,612; Jan. 23.
- Differential drive for centrifuges and scrapers. E. G. Piper. 1,962,461; June 12.
- Differential drive for multiple-strand cable transmission. P. La Neve. 1,974,361; Sept. 18.
- Differential electrical measuring appliance. S. C. Hoare. 1,985,095; Dec. 18.
- Differential engine. R. J. Parsons. 1,971,048; Aug. 21.
- Differential gauge. J. W. Place and E. Aschenbach. 1,954,425; Apr. 10.
- Differential gearing. F. L. Boynton. 1,948,095; Feb. 20.
- Differential, Gearless. H. Thomson. 1,955,208; Apr. 17.
- Differential hoist. F. E. Stahl. 1,971,511; Aug. 28.
- Differential mechanism. T. C. Smith. 1,979,414; Nov. 6.
- Differential meter. E. P. Stewart and L. H. Frost. 1,943,993; Jan. 16.
- Differential relay, High speed. S. L. Goldsborough. 1,959,053; May 15.
- Differential relaying system. E. L. Harder. 1,953,108; Apr. 3.
- Diffuser. W. J. Orchard. 1,942,659; Jan. 9.
- Digester for cracking hydrocarbon oils. J. C. Black. Re19,237; July 17.
- Digester system. A. Christensen. 1,943,289; Jan. 16.
- Digesting process and apparatus. T. L. Dunbar. 1,974,420; Sept. 25.
- Digger, Lever. H. H. Glasier. 1,973,310; Sept. 11.
- Digger, Post hole. W. E. Forney. 1,966,008; July 10.
- Digger tooth. Van C. Mekeel. 1,951,988; Mar. 20.
- Digging apparatus. Mechanical. J. H. Thornley. Re19,284; Aug. 21.
- Digging device. H. E. Satre. 1,972,165; Sept. 4.
- Dihydro-resorcinol, Manufacture of. M. Klengenfuss. 1,965,499; July 3.
- Di-(hydroxyethyl)-aminonitrobenzenes, Manufacture of. H. Lange. 1,980,536; Nov. 13.
- Dilator. J. G. Homan. 1,964,732; July 3.
- Dilator. J. W. Kennedy. 1,965,653; July 10.
- Dilator, Nostril. D. D. Chirila. 1,950,839; Mar. 13.
- Dilator, Teat. D. O. Sayre. 1,957,673; May 8.
- Dining table. L. C. Marengo. 1,961,502; June 5.
- Diolefines. Polymerization of. G. Ebert, F. A. Fries, and P. Garbsch. 1,953,468; Apr. 3.
- Diolefines, Production of. M. Mueller-Cunradi. 1,944,153; Jan. 23.
- Diphenyl, Apparatus for producing. W. H. Williams. 1,981,015; Nov. 20.
- Diphenyl, Producing. W. H. Williams. 1,978,069; Oct. 23.
- Diphenyl, Production of. J. E. Moose and W. N. Pritchard. 1,968,154; July 31.
- Diphenyl substances, Production of. E. Tschunkur and W. Klein. 1,957,988; May 8.
- Diphenylamine, Extracting. W. T. Ingraham. 1,972,891-2; Sept. 11.
- Diphenylolpropane, Producing. R. Greenbalgh. 1,977,627; Oct. 23.
- Diphenylol-propane, Production of. S. Kohn and E. Schub. 1,978,949; Oct. 30.
- Dipped articles and method and apparatus for making the same. H. C. Miller. 1,952,935; Mar. 27.
- Dipper construction and the like. L. W. Van Buskirk. 1,959,847; May 22.
- Dipper handle. E. G. Hallquist. 1,974,458; Sept. 25.
- Dipper, Ice cream. O. E. Harris. Re19,084; Feb. 13.
- Dipper, Ice cream. O. E. Harris. 1,978,942-3; Oct. 30.
- Dipping apparatus for match making machines. L. Henninger. 1,954,315; Apr. 10.
- Dipping machine. H. W. Roberts. 1,946,360; Feb. 6.
- Dipping system, Automatic. A. Neher. 1,977,008; Oct. 16.
- Direct current generator, Constant current. L. Roebel. 1,970,338; Aug. 14.
- Direction and velocity of the wind near the ground, Indicating the. S. A. Eskilson and J. G. Scheer. 1,953,159; Apr. 3.
- Direction finder. E. Bellini. 1,983,729; Dec. 11.
- Direction finder compensator. A. Leib. 1,946,703; Feb. 13.
- Direction finder for stereoscopic cameras. E. E. Draper. 1,964,622; June 26.
- Direction-finder, Wireless. W. Schepmann. 1,961,598; June 5.
- Direction finding system. D. K. Martin. 1,952,879; Mar. 27.
- Direction indicator. R. and S. Anderson. 1,977,605; Oct. 23.
- Direction indicator. G. W. Cole. 1,954,069; Apr. 10.
- Direction indicator. J. G. Jackson. 1,946,424; Feb. 6.
- Direction indicator. E. A. Sperry, jr. 1,974,220; Sept. 18.
- Direction indicator. W. A. Traill. 1,980,772; Nov. 13.
- Direction indicator. G. F. Webb. 1,952,189; Mar. 27.
- Direction indicator. J. A. West. 1,969,052; Aug. 7.
- Direction indicator for vehicles. H. L. Gebler. 1,980,794; Nov. 13.
- Direction responsive means. J. D. Tear. 1,968,542; July 31.
- Direction signal. J. F. Campbell. 1,960,409; May 29.
- Direction signal. R. B. Eisold. 1,944,557; Jan. 23.
- Direction signal. L. Wing. 1,965,063; July 3.
- Direction signal device for vehicles. H. M. Bichelani. 1,958,961; May 15.
- Directional control device. E. C. Ecker. 1,980,259; Nov. 13.
- Directional control on a current relay, Obtaining. J. J. Samson. 1,985,299; Dec. 25.
- Directional receiver. F. Woods. 1,955,267; Apr. 17.
- Directional serial. W. V. Roberts. 1,947,021; Feb. 13.
- Director. W. P. Wilson. 1,979,720; Nov. 6.
- Directory holder. H. G. Buchan. 1,953,334; Apr. 3.
- Directory, Sectional. E. M. Sommers. 1,970,822; Aug. 21.
- Dirigible. H. K. Deubel. 1,970,647; Aug. 21.
- Dirt spreader and grader. C. A. Miller. 1,961,064; May 29.
- Disazo compound for therapeutic use. J. Ebert. 1,979,534; Nov. 6.
- Disazo compounds for therapeutic use. J. Ebert. 1,979,678; Nov. 6.
- Disbarking machine. K. G. Hellner. 1,974,493; Sept. 25.
- Discharge apparatus and method. R. E. Barclay. 1,963,963; June 26.
- Discharge apparatus, High voltage. F. R. Elder. 1,956,416; Apr. 24.
- Discharge control for windrow harvesters, Delayed. E. A. Johnston and A. C. Lindgren. 1,982,435; Nov. 27.
- Discharge device. A. Gehrts. 1,985,028; Dec. 18.
- Discharge device for combined washing and drying machines. P. E. Geldhof. 1,977,578; Oct. 16.

- Discharge device, Luminous. M. Morrison. 1,945,750; Feb. 6.
- Discharge device, Positive column. C. G. Found and W. F. Westendorp. 1,958,239; May 8.
- Discharge fitting for hot water heaters and the like. H. S. Humphrey. 1,961,363; June 5.
- Discharge for ball mills. E. L. Van Pelt. 1,946,511; Feb. 13.
- Discharge head for fluid containers. S. E. Allen and J. E. Rennett. 1,974,254; Sept. 18.
- Discharge head for fluid containers. O. N. Wiswell. 1,945,715; Feb. 6.
- Discharge means for dust collector ducts. H. A. Colvin. 1,965,825; July 10.
- Discharge means of a liquid measure. Indicating the open and closed positions of the. R. B. Munday. 1,943,138; Jan. 9.
- Discharge pump, Multistage reversible variable. A. R. Kuzelewski. 1,947,050; Feb. 13.
- Discharge tube. W. H. T. Holden. 1,945,639; Feb. 6.
- Discharge tube. D. Lely and G. van Beusekom. 1,961,696; June 5.
- Discharge tube construction, Space. A. Hund. 1,967,009; July 17.
- Discharge tube display, Traveling border. F. Hotchner. 1,950,679; Mar. 13.
- Discharge tube, Electric. R. R. Machlett. 1,945,286; Jan. 30.
- Discharge tube electrode. F. Hotchner. 1,969,646; Aug. 7.
- Discharge tube for the emission of rays of light, Electric. G. Zecher. 1,951,116; Mar. 13.
- Discharge tube, Low voltage. A. Lederer. 1,968,839; Aug. 7.
- Discharge tube, Low voltage. R. R. Machlett. 1,945,285; Jan. 30.
- Discharge tube stabilizer system. M. Morrison. 1,945,751; Feb. 6.
- Discharge valve. F. Kluge. 1,945,941 Feb. 6.
- Discharger. R. C. Coupland. 1,948,511; Feb. 27.
- Discharging mechanism on forming machines. J. H. Moore. 1,968,305; July 31.
- Disconnect signal. G. A. Locke. 1,965,421; July 3.
- Disconnecting device for electrically driven phonographs, Automatic. H. Schröder. 1,964,182; June 26.
- Dish. V. H. Robinson. Des. 93,288; Sept. 11.
- Dish. J. M. Stangl. Des. 94,169; Dec. 25.
- Dish and grab bar, Combined soap. G. A. Smoyer. Des. 92,564; June 19.
- Dish and like washing machine. C. F. Collins. 1,941,660; Jan. 2.
- Dish cover. B. A. Schroeder. 1,973,447; Sept. 11.
- Dish, Insulated. C. I. Justheim. Re. 93,362; Nov. 6.
- Dish, Insulated. C. I. Justheim. 1,956,356; Apr. 24.
- Dish or package, Pie. R. E. Rutledge. 1,974,898; Sept. 25.
- Dish or similar article. S. Forman. Des. 92,457-8; June 12.
- Dish or similar article. J. M. Hart. Des. 63,163; Aug. 28.
- Dish or similar article. L. E. Hellmann. Des. 91,624; Feb. 27.
- Dish or similar article. O. Keitel. Des. 93,723; Oct. 30.
- Dish or the like. K. Rettich. Des. 92,112; Apr. 24.
- Dish, Paper. H. Carew. 1,946,611; Feb. 13.
- Dish, Paper. R. E. Rutledge. Des. 93,184; Aug. 28.
- Dish rack. E. S. Stoddard. 1,968,658; July 31.
- Dish, Serving. M. W. Reh. Des. 93,520; Oct. 2.
- Dish, Soap. C. A. Mosgrove. Des. 91,364; Jan. 16.
- Dishwasher. G. H. Arbenz. 1,975,760; Oct. 9.
- Dishwasher, Mechanical. W. R. Walker. 1,965,870; July 10.
- Dishwashing device. F. P. Blair. 1,973,327; Sept. 11.
- Dishwashing device. P. F. Fiene. 1,951,237; Mar. 13.
- Dishwashing dinner table, Convertible. A. J. D. Schapp and J. H. Gartner. 1,952,568; Mar. 27.
- Dishwashing machine. H. C. Carter. 1,933,931; Dec. 11.
- Dish washing machine. J. E. Dalglish. 1,951,273; Mar. 13.
- Dishwashing machine. W. T. Ellington and R. G. Manifold. 1,959,661; May 22.
- Dishwashing machine. O. Hovda. 1,953,409; Apr. 3.
- Dishwashing machine. I. A. Johnson. 1,944,322; Jan. 23.
- Dishwashing machine. M. J. Kehoe. 1,960,816; May 29.
- Dishwashing machine. A. G. Kohler. 1,946,536; Feb. 13.
- Dishwashing machine. A. G. Kohler. 1,955,299; Apr. 17.
- Dishwashing machine. C. S. Replogle. 1,949,814; Mar. 6.
- Dishwashing machine. M. C. Rogers. 1,942,452; Jan. 9.
- Dishwashing machine. T. R. Sheetz. 1,959,740; May 22.
- Dishwashing machine. E. S. Stoddard. 1,943,636; Jan. 16.
- Dishwashing machine. E. S. Stoddard. 1,946,181; Feb. 6.
- Dishwashing machine. E. S. Stoddard. 1,968,657; July 31.
- Dishwashing machine. E. S. Stoddard. 1,976,902; Oct. 16.
- Dishwashing machine. E. S. Stoddard and J. Plekarski. 1,971,587; Aug. 28.
- Dishwashing machine. E. S. Stoddard and W. C. Rykert. 1,971,543; Aug. 28.
- Dishwashing machine. E. S. Stoddard and W. C. Rykert. 1,971,588; Aug. 28.
- Dish washing machine. F. G. Walker. 1,977,977; Oct. 23.
- Disher, Ice cream. R. J. Albrecht. 1,961,655; June 5.
- Disinfectant. W. H. Tisdale and I. Williams. 1,972,961; Sept. 11.
- Disinfectant composition. G. Lockemann, O. Gerngross, K. Rülke, and W. Ulrich. 1,950,315; Mar. 6.
- Disinfectant, Seed. M. S. Kharasch. 1,943,540; Jan. 16.
- Disinfecting. H. A. Gardner. 1,968,136; July 31.
- Disinfecting and sterilizing liquids and the like. O. Ornstein. 1,956,728; May 1.
- Disinfecting device. L. J. McDermott. 1,979,755; Nov. 6.
- Disinfecter, Barber's tool. C. Humburg. 1,953,609; Apr. 3.
- Disintegrating and dispersing, Apparatus for. T. Robinson. 1,958,020; May 8.
- Disintegrating, Method of. T. Robinson. 1,977,807; Oct. 23.
- Disk assembly, Conveyor roll. F. A. Fahrenwald. 1,968,673; July 31.
- Disk, Atomizing. A. K. Doolittle. 1,973,051; Sept. 11.
- Disk, Ball grinding. E. D. Dumas. 1,973,922; Sept. 18.
- Disk blade. J. C. Bohmker. 1,954,783; Apr. 17.
- Disk brake. G. S. Lane. 1,942,029-30; Jan. 2.
- Disk brake. H. Williams. 1,978,974; Oct. 30.
- Disk, Clutch. H. T. Harrison. 1,985,825; Dec. 25.
- Disk clutch, Automatic and manually controlled cam and lever actuated. R. A. Kyle. 1,982,006; Nov. 27.
- Disk, Cutting and grinding. E. Offenbacher. 1,977,952; Oct. 23.
- Disk, Differential. M. G. Markle and L. W. Tuttle. 1,954,453; Apr. 10.
- Disk edging machine, Rotary. H. L. Myers. 1,951,105; Mar. 13.
- Disk feeding device. J. Bahelka. 1,955,704; Apr. 17.
- Disk for television, Nipkow. E. Goldberg. 1,973,203; Sept. 11.
- Disk, Grinding. I. R. Shue. 1,964,537-9; June 26.
- Disk harrow. J. E. Boda. 1,967,493; July 24.
- Disk harrow. S. S. Furrer. 1,982,951; Dec. 4.
- Disk harrow. J. E. Hoffman. 1,951,912; Mar. 20.
- Disk harrow. E. C. Sandeen. 1,944,275; Jan. 23.
- Disk harrow. C. H. White. 1,956,845; May 1.
- Disk harrow, Tandem offset. W. F. Smith and U. H. Neece. 1,978,965; Oct. 30.
- Disk, Making a grinding. I. R. Shue. 1,964,540; June 26.
- Disk mounting for furnace conveyor shaft. F. A. Fahrenwald. 1,949,386; Feb. 27.
- Disk, Obturing. E. Fruhstorfer. 1,945,219; Jan. 30.
- Disk orifice valve, Rotary. B. L. Peterson. 1,982,754; Dec. 4.
- Disk ruling machine. A. Broadmeyer. 1,965,112; July 3.
- Disk sander. A. N. Emmons. 1,983,277; Dec. 4.
- Disk shear. F. T. Powers. 1,967,324; July 24.
- Disk, turbine bucket heel, or the like, Rotary. E. L. Robinson. 1,959,220; May 15.
- Disodium phosphate and making same, Crystalline anhydrous. K. A. Kilbourne and C. F. Booth. 1,962,080; June 5.
- Disodium phosphate, Making. J. H. Coleman. 1,961,127; June 5.
- Disodium phosphate, Production of. N. C. Lindberg. 1,984,146; Dec. 11.
- Dispatch tube apparatus, Pneumatic. J. T. Needham. 1,943,451; Jan. 16.
- Dispatch tube apparatus, Pneumatic. J. T. Needham. 1,951,367; Mar. 20.
- Dispatch tube apparatus, Pneumatic. J. T. Needham. 1,951,434; Mar. 20.
- Dispatcher. A. D. Rollins. 1,976,248; Oct. 9.
- Dispatching and scheduling system. D. C. Larson. 1,966,071; July 10.
- Dispatching and scheduling system. E. W. Yearsley. 1,966,058; July 10.
- Dispenser: See—
- Beverage dispenser.
 - Bottle dispenser.
 - Cigarette dispenser.
 - Cream dispenser.
 - Cup dispenser.
 - Drink dispenser.
 - Fluid dispenser.
 - Gasoline dispenser.
 - Grease dispenser.
 - Liquid dispenser.
 - Lubricant dispenser.
 - Mail dispenser.
 - Measuring dispenser.
 - Nondrip liquid dispenser.
 - Nursery soap dispenser.
 - Oil dispenser.
 - Paper cup dispenser.
 - Paste tube dispenser.
 - Perfume dispenser.
 - Pill dispenser.
 - Refrigerator and beverage dispenser.
 - Roll paper dispenser.
 - Soap and crystal dispenser.
 - Soap dispenser.
 - Straw dispenser.
 - Sugar dispenser.
 - Toilet seat guard dispenser.
 - Toothpick dispenser.
 - Towel dispenser.
- Dispenser. W. E. Benson. 1,950,382; Mar. 13.
- Dispenser. R. H., F. H., and G. H. Chaille. 1,967,743; July 24.
- Dispenser. P. Greig. 1,968,641; July 31.
- Dispenser. S. Hanson. 1,973,566; Sept. 11.
- Dispenser. J. H. Harnish. 1,979,105; Oct. 30.
- Dispenser. T. Jameson. 1,965,741; July 10.
- Dispenser. O. Kaparin and F. G. Bauman. 1,959,957; May 22.
- Dispenser. C. S. Olson. 1,967,448; July 24.
- Dispenser. G. H. Packwood, Jr. 1,956,535; Apr. 24.
- Dispenser. F. C. Schoening. 1,974,316; Sept. 18.
- Dispenser. R. H. Wentorf. 1,966,326; July 10.
- Dispenser. E. G. Wessman. 1,964,335; June 26.
- Dispenser and recorder, Foolproof grease. L. E. Rush and R. W. Dudley. 1,949,491; Mar. 6.
- Dispenser closure. J. H. Donnelly. 1,971,371; Aug. 28.

- Dispenser for collapsible tubes. J. E. Tulin. 1,968,578; July 31.
- Dispenser for cups or the like. P. A. Lobel. Des. 91,435; Jan. 30.
- Dispenser for mustard and the like. H. Blank. 1,950,160; Mar. 6.
- Dispenser for powdered materials. L. B. Green. 1,950,941; Mar. 13.
- Dispenser for toothpaste and like commodities, Self-sealing. V. S. Wilcox. 1,941,727; Jan. 2.
- Dispenser for toothpicks and the like. F. A. Brunner. 1,975,445; Oct. 2.
- Dispenser or the like, Liquid. G. E. Wehrenberg. Des. 91,447; Jan. 30.
- Dispensing and display device. E. J. Goodman. 1,972,989; Sept. 11.
- Dispensing and distributing apparatus for packaged and the like goods. R. R. De Bussey. 1,981,783; Nov. 20.
- Dispensing and mixing device. T. M. Costakos. 1,957,391; May 1.
- Dispensing apparatus. R. W. Bond and P. B. Renfrew. 1,964,974; July 3.
- Dispensing apparatus. S. Brody. 1,960,936; May 29.
- Dispensing apparatus. C. H. Duell, E. E. Brisbane, and D. C. Clarke. 1,962,860; June 12.
- Dispensing apparatus. M. J. Horkavi. 1,980,057; Nov. 6.
- Dispensing apparatus. R. Jackson. 1,944,137; Jan. 16.
- Dispensing apparatus. N. R. Kirk. 1,942,556; Jan. 9.
- Dispensing apparatus. C. R. Lothrop and O. Cammann. 1,982,917; Dec. 4.
- Dispensing apparatus. M. W. McConkey. 1,955,339; Apr. 17.
- Dispensing apparatus. H. J. McCue. 1,982,750; Dec. 4.
- Dispensing apparatus. F. F. Montag. 1,972,425; Sept. 4.
- Dispensing apparatus. R. Jackson. 1,943,843; Jan. 16.
- Dispensing apparatus. E. Staegemann. 1,977,781; Oct. 23.
- Dispensing apparatus. E. J. Sweetland. 1,959,695; May 22.
- Dispensing apparatus. C. H. Wilkes. 1,973,241; Sept. 11.
- Dispensing apparatus, Coin controlled. H. Olsen. 1,960,546; May 29.
- Dispensing apparatus, Fluid pressure. C. A. Corcoran. 1,959,815; May 22.
- Dispensing apparatus for dispensing tablets to heaping full containers. G. S. Suppiger and C. Alexander. 1,945,337; Jan. 30.
- Dispensing apparatus for tablets and the like. J. Turgill and S. J. Everett. 1,969,590; Aug. 7.
- Dispensing apparatus, Gasoline. R. J. Daley. 1,969,360; Aug. 7.
- Dispensing apparatus, Liquid. L. Tribout. 1,942,347; Jan. 2.
- Dispensing attachment for liquid cement containers. H. Backes. 1,963,111; June 19.
- Dispensing can. W. F. Punte. 1,962,284; June 12.
- Dispensing can. W. L. Rutkowski. 1,978,885; Oct. 30.
- Dispensing container. P. L. Andrews. 1,967,278; July 24.
- Dispensing container. D. C. Arnold and E. D. Copeland. 1,971,127; Aug. 21.
- Dispensing container. C. H. Duell. 1,958,101; May 8.
- Dispensing container. S. J. Harban and D. A. Holcomb. 1,974,650; Sept. 25.
- Dispensing container. B. I. Hughes. 1,973,256; Sept. 11.
- Dispensing container. B. Klein. 1,977,796; Oct. 23.
- Dispensing container. H. A. Zimmerman. 1,968,115; July 31.
- Dispensing device. L. Baar. 1,950,769; Mar. 13.
- Dispensing device. O. L. and A. P. Beckner. 1,976,650; Oct. 9.
- Dispensing device. O. Blitz. 1,954,064; Apr. 10.
- Dispensing device. W. J. Cameron. 1,984,629; Dec. 18.
- Dispensing device. R. Coles. Des. 92,455; June 12.
- Dispensing device. R. R. Cone. 1,964,609; June 26.
- Dispensing device. F. M. Cook. 1,973,867; Sept. 18.
- Dispensing device. J. C. Crowley. 1,973,798; Sept. 18.
- Dispensing device. C. M. Day. 1,957,326; May 1.
- Dispensing device. J. Frier. 1,963,017; June 12.
- Dispensing device. W. E. Hanahan. 1,978,260; Oct. 23.
- Dispensing device. H. Hilsenrath. 1,985,094; Dec. 18.
- Dispensing device. J. A. and R. V. Hine. 1,961,880; June 5.
- Dispensing device. R. H. Jordan. 1,975,154; Oct. 2.
- Dispensing device. W. W. Kelly. 1,973,347; Sept. 11.
- Dispensing device. J. C. Mathiesen. 1,976,315; Oct. 9.
- Dispensing device. H. Meves. 1,984,651; Dec. 18.
- Dispensing device. A. H. Narrow. 1,955,559; Apr. 17.
- Dispensing device. P. D. Parsons. 1,966,594-5; July 17.
- Dispensing device. G. Rechten. 1,948,227; Feb. 20.
- Dispensing device. P. A. Schulz. 1,955,566; Apr. 17.
- Dispensing device. H. R. Segal. 1,969,905; Aug. 14.
- Dispensing device. S. Shapiro. 1,965,060; July 3.
- Dispensing device. B. W. Stringfellow. 1,948,054; Feb. 20.
- Dispensing device. S. Vargas. 1,967,165; July 17.
- Dispensing device. E. C. Weiskopf. 1,946,559; Feb. 13.
- Dispensing device and condiment holder. L. Spino. 1,947,364; Feb. 13.
- Dispensing device and dispensing articles. J. Gottfried and C. H. Duell. 1,963,521; June 19.
- Dispensing device for collapsible tubes. C. M. Brehm. 1,964,311; June 26.
- Dispensing device for liquid containers. W. I. Huber. 1,952,437; Mar. 27.
- Dispensing device for liquids. R. Bernhardt. Des. 93,810; Nov. 13.
- Dispensing device for paste or the like. T. N. Coffelder. 1,980,473; Nov. 13.
- Dispensing device for sheets of flexible material. B. M. Baxter. 1,974,038; Sept. 18.
- Dispensing display device. H. V. Marsh. 1,972,406; Sept. 4.
- Dispensing equipment for compressed gas. P. S. Endacott. 1,977,268; Oct. 16.
- Dispensing machine. A. E. Erickson. 1,969,170; Aug. 7.
- Dispensing machine. I. I. Gisser. 1,942,166; Jan. 2.
- Dispensing machine. A. F. Michlun. 1,951,486; Mar. 20.
- Dispensing machine, Coin controlled. F. C. Du Grenier. 1,948,650; Feb. 27.
- Dispensing machine, Coin controlled. E. S. Goodin. 1,969,401; Aug. 7.
- Dispensing means. F. J. Kreutzner. 1,981,421; Nov. 20.
- Dispensing package. F. C. Gluck and P. A. McCaskey. 1,945,483; Jan. 30.
- Dispensing package. F. C. Gluck and P. A. McCaskey. 1,952,431; Mar. 27.
- Dispensing package for absorbent cotton or the like. W. Eustis. 1,973,615; Sept. 11.
- Dispensing package for cigarettes. C. H. Mackie. 1,963,025; June 12.
- Dispensing pump. W. F. Essex. 1,956,759; May 1.
- Dispensing pump. W. F. Essex. 1,973,561; Sept. 11.
- Dispensing pump. H. W. Holland. Des. 94,144-5; Dec. 25.
- Dispensing pump. E. W. Shugart. 1,983,819; Dec. 11.
- Dispensing pump. A. C. Smith. 1,967,633; July 24.
- Dispensing receptacle. E. M. Godfrey, jr. 1,943,217; Jan. 9.
- Dispensing receptacle. N. Hemman. 1,962,562; June 12.
- Dispensing receptacle. A. Rice. 1,967,687; July 24.
- Dispensing receptacle. A. Rice. 1,983,707; Dec. 11.
- Dispensing system. C. D. Fagan and R. W. Swank. 1,972,261; Sept. 4.
- Dispensing system for liquids. I. H. Jewell. 1,960,782; May 29.
- Dispensing tube. E. S. Cornell, jr., and F. B. Wendel. 1,950,099; Mar. 6.
- Dispensing tube. R. J. Short. 1,942,576; Jan. 9.
- Dispensing solids. A. Szegvari. 1,969,242; Aug. 7.
- Dispersions of insoluble compounds, Manufacture of. G. H. Ellis, H. C. Olpin, and E. W. Kirk. 1,959,353; May 22.
- Dispersions, Production of. H. Fikentscher, H. Wappes, L. Eiflaender, C. Schoeller, and A. Schneevoigt. 1,976,679; Oct. 9.
- Dispersions, Treating. H. Limburg. 1,984,023-4; Dec. 11.
- Displacement generating machine. E. W. Miller. 1,953,970; Apr. 10.
- Displacement pump. H. Hillier and J. C. and W. A. Macfarlane. 1,983,229; Dec. 4.
- Display and dispensing container. M. M. Einson. 1,956,642; May 1.
- Display and dispensing device. A. R. Brownson. 1,968,013; July 31.
- Display and dispensing rack, Combined. D. E. Lewis. Des. 93,666; Oct. 23.
- Display and shipping package, Combined. H. C. Bohnke. 1,977,466; Oct. 16.
- Display and storage rack. J. E. Ziebarth. 1,951,894; Mar. 20.
- Display apparatus. H. Bascom. 1,972,416; Sept. 4.
- Display apparatus. E. W. Hewitt. 1,969,461; Aug. 7.
- Display apparatus. W. S. Quigley. 1,945,072; Jan. 30.
- Display apparatus. P. J. Sanders. 1,967,843; July 26.
- Display apparatus. E. M. Welsh. 1,964,549; June 26.
- Display apparatus, Automatic. S. Samaras and L. Ravizza. 1,945,571; Feb. 6.
- Display apparatus, Rotary. J. Maas. 1,983,861; Dec. 11.
- Display article. Z. Schoolcraft. 1,962,465; June 12.
- Display backing and card. J. L. Garfield. 1,959,578; May 22.
- Display board. T. E. Schroeder. 1,964,484; June 26.
- Display box. S. F. Bowser. Des. 93,965; Dec. 4.
- Display box. I. C. Devendorf. Des. 92,592; June 26.
- Display box. I. H. Fowle. Des. 93,209; Sept. 4.
- Display box. G. Hornecker and C. J. Bacon. 1,974,959; Sept. 25.
- Display box. W. S. Powers. 1,954,060; Apr. 10.
- Display box. I. Sekine. Des. 92,775; July 10.
- Display box. D. H. Stoughton. Des. 93,305; Sept. 11.
- Display box. J. Warner. 1,980,776; Nov. 13.
- Display card holder. A. M. Sick. 1,959,067; May 15.
- Display carrier and holder. J. P. McDonnell. 1,973,413; Sept. 11.
- Display case. H. A. Alheit. 1,980,973; Nov. 20.
- Display case. L. A. Duke. Des. 92,838; July 24.
- Display case. S. H. Elliott. Des. 92,797; July 17.
- Display case. L. W. Plummer. 1,956,226; Apr. 24.
- Display case. F. Simmons and C. M. Dinger. 1,967,542; July 24.
- Display case. W. Y. Whitley. 1,950,282; Mar. 6.
- Display case, Illuminated. G. J. Hopkins. 1,949,253; Feb. 27.
- Display case, Refrigerated. A. E. Knapp. 1,979,625; Nov. 6.
- Display case, Show window. S. Nicinski. 1,959,300; May 15.
- Display characters, Apparatus for producing. V. L. Pistocco. 1,958,766; May 15.
- Display clamp. C. Rubenstein. 1,970,868; Aug. 21.
- Display container. L. Ebert. 1,959,619; May 22.
- Display container. J. J. Gaffney. 1,983,696; Dec. 11.

- Display container. A. G. Macdonald. 1,964,294; June 26.
 Display container. N. F. Mansfield and G. S. Gottsman. 1,949,376; Feb. 27.
 Display container. W. F. Punte. 1,974,996; Sept. 25.
 Display container. B. E. Richardson. 1,950,816; Mar. 20.
 Display container, Collapsible. O. J. Towell. 1,968,660; July 31.
 Display container, Folding. O. J. Towell. 1,968,661; July 31.
 Display cover. J. I. Russakov. 1,946,811; Feb. 13.
 Display cover. J. I. Russakov. 1,978,375; Oct. 23.
 Display device. C. E. Bilton. 1,971,391; Aug. 28.
 Display device. O. G. Crich. Des. 93,457; Oct. 2.
 Display device. J. F. Dowd, E. L. King, and R. C. Spencer. 1,965,737; July 10.
 Display device. M. M. Einson. 1,958,569; May 15.
 Display device. J. Friedman. Des. 91,866; Apr. 3.
 Display device. E. L. Fuchs. 1,947,549; Feb. 20.
 Display device. W. L. Fuchs. 1,981,227; Nov. 20.
 Display device. S. C. Gill and S. Dallaway. 1,955,674; Apr. 17.
 Display device. S. C. Gill and S. Dallaway. 1,968,759; July 31.
 Display device. B. J. Goldsmith. 1,946,848; Feb. 13.
 Display device. J. Horwath. 1,951,415; Mar. 20.
 Display device. H. B. Hyams. 1,941,838; Jan. 2.
 Display device. E. U. Knight. 1,954,322; Apr. 10.
 Display device. L. P. Kongsted. 1,950,987; Mar. 13.
 Display device. G. Lake. 1,945,049; Jan. 30.
 Display device. H. Lazarus. Des. 92,146; May 1.
 Display device. S. Lowen. 1,945,945; Feb. 6.
 Display device. W. M. Martin and J. R. Green. 1,979,336; Nov. 6.
 Display device. J. D. McMaster. 1,972,155; Sept. 4.
 Display device. G. Nelson. 1,977,009; Oct. 16.
 Display device. W. R. Plunkett. 1,974,690; Sept. 25.
 Display device. D. L. Primrose. 1,947,920; Feb. 20.
 Display device. H. Reynolds. 1,955,769; Apr. 24.
 Display device. P. J. Sanders. 1,960,553; May 29.
 Display device. L. E. Shaw. 1,968,915; Aug. 7.
 Display device. F. J. Sprague. 1,971,281; Aug. 21.
 Display device. R. H. Vansant. 1,976,049; Oct. 9.
 Display device and container for merchandise. W. M. Hilliard. 1,971,258; Aug. 21.
 Display device, Nonremovable. C. O. Bengtsson. 1,970,071; Aug. 14.
 Display device or similar article. B. Storf. Des. 93,055; Aug. 14.
 Display device, Spindleless. H. C. Heineman. 1,974,272; Sept. 18.
 Display equipment. W. B. Morton and L. F. Beisner. 1,958,520; May 15.
 Display figure. B. Lehr. 1,972,451; Sept. 4.
 Display fixture. A. W. Kasten. 1,959,001; May 15.
 Display fixture. D. J. Keller. 1,964,124; June 26.
 Display fixture. M. L. Melton. 1,965,850; July 10.
 Display fixture. D. L. Nelke. 1,947,165; Feb. 13.
 Display fixture. W. K. Roth. 1,955,771-3; Apr. 24.
 Display fixture and storage case, Combination. H. O. Shults. Des. 93,525; Oct. 2.
 Display fixture for stores. R. E. Gray. 1,951,242; Mar. 13.
 Display fixture, Merchandise. W. W. Maguire. Des. 91,717; Mar. 13.
 Display form or similar article. W. J. De Witt. Des. 93,866; Nov. 20.
 Display holder. S. S. Crippen, jr. Des. 91,512; Feb. 20.
 Display hook. R. M. Wilson. 1,972,505; Sept. 4.
 Display lamp. H. J. Gilman and T. E. Mueller. Des. 94,025; Dec. 11.
 Display machine. I. V. Sigbee. 1,984,948; Dec. 18.
 Display, Match holder. M. A. Bell. Des. 93,757; Nov. 6.
 Display means. J. W. Barton. 1,964,025; June 26.
 Display means and method. F. E. Hartman. 1,968,037; July 31.
 Display mechanism. H. Kreusler. 1,949,020; Feb. 27.
 Display mechanism. H. C. Turner and H. R. Stacks. 1,947,814; Feb. 20.
 Display or advertising device. P. C. Campbell. 1,978,294; Oct. 23.
 Display package. E. H. Bohlmann. 1,958,231; May 8.
 Display package. W. Medoff. 1,978,806; Oct. 30.
 Display package and clamp therefor. P. E. Faust. Re-19,075; Feb. 13.
 Display rack. H. H. Brooks. 1,956,523; Apr. 24.
 Display rack. H. V. Burt. 1,963,544; June 19.
 Display rack. E. Goldenberg. Des. 92,463; June 12.
 Display rack. G. B. Perry. 1,961,163; June 5.
 Display rack. W. A. Reich. 1,959,926; May 22.
 Display rack. W. J. Schwartz. 1,945,573; Feb. 6.
 Display rack. A. Siodin, C. J. Olund, and R. J. Moody. 1,952,466; Mar. 27.
 Display rack. C. E. Smith. 1,964,223; June 26.
 Display rack. C. W. Sowerwine. 1,954,601; Apr. 10.
 Display rack. L. Tyler. 1,955,209; Apr. 17.
 Display rack. J. H. Victor. 1,953,204; Apr. 3.
 Display receptacle. J. Klemparsen. 1,983,176; Dec. 4.
 Display sign. H. Hammer. Des. 91,876; Apr. 3.
 Display sign or similar article. P. J. Gibbons. Des. 93,211; Sept. 4.
 Display stand. A. R. Botham. Des. 91,509; Feb. 20.
 Display stand. A. R. Botham. 1,974,735; Sept. 25.
 Display stand. J. W. Brennan. 1,956,115; Apr. 24.
 Display stand. E. L. Davidson. 1,962,089; June 5.
 Display stand. E. L. Flynn. 1,947,195; Feb. 13.
 Display stand. C. L. Foretich. 1,941,675; Jan. 2.
 Display stand. H. F. Jackson. Des. 91,826; Mar. 27.
 Display stand. O. E. Karnes. 1,954,935; Apr. 17.
 Display stand. O. E. Karnes. 1,983,858; Dec. 11.
 Display stand. S. J. Katz. 1,964,880; July 3.
 Display stand. S. Kohn. Des. 91,631; Feb. 27.
 Display stand. C. W. Kress. 1,955,919; Apr. 24.
 Display stand. J. L. Larkin. 1,949,913; Mar. 6.
 Display stand. I. H. Marshall. 1,949,023; Feb. 27.
 Display stand. C. S. Moeckel. 1,955,509; Apr. 17.
 Display stand. D. J. Offery and R. Stier. 1,977,400; Oct. 16.
 Display stand. E. C. Potter. 1,947,168; Feb. 13.
 Display stand. C. H. Race. Des. 93,130; Aug. 21.
 Display stand. F. L. Stone. 1,969,107; Aug. 7.
 Display stand. D. F. Thomson. 1,947,746; Feb. 20.
 Display stand. P. E. Traeger and E. C. Berg. 1,976,421; Oct. 9.
 Display stand. N. Van Cleef. Des. 91,693; Mar. 6.
 Display stand. R. M. Wilson. 1,979,514; Nov. 6.
 Display stand. M. S. Young. 1,967,699; July 24.
 Display stand, Fruit and Vegetable. E. O. Wood and J. W. Zuch. 1,950,204; Mar. 6.
 Display stand, Merchandise. B. Urich. 1,985,530; Dec. 25.
 Display stand, Rotary. J. E. Hines. 1,984,343; Dec. 11.
 Display structure, Adjustable. T. J. Donovan, jr. 1,981,724; Nov. 20.
 Display structure, Adjustable. T. J. Donovan, jr. 1,981,847; Nov. 27.
 Display structure, Illuminable. J. W. Cannon. 1,956,490; Apr. 24.
 Display support. G. A. Flora. 1,945,806; Feb. 6.
 Display support for goggles and the like. T. A. Willson. Des. 93,079; Aug. 14.
 Display unit. W. Hullinger. 1,971,263; Aug. 21.
 Display window bag. R. S. Grant. 1,970,848; Aug. 21.
 Displaying substances. G. Wolkenhauer. 1,944,050; Jan. 16.
 Displays, Manufacturing. F. Lawrence. 1,956,448; Apr. 24.
 Dissolving and apparatus therefor, Method of. S. P. Miller. 1,958,586; May 15.
 Distance. Apparatus for measuring. M. Mennesson. 1,982,528; Nov. 27.
 Distance finding, Method and apparatus for. E. E. Turner, jr. 1,983,254; Dec. 4.
 Distance, Measuring. R. W. Hart. 1,979,225; Oct. 30.
 Distance, Measuring. E. E. Turner, jr. 1,982,271; Nov. 27.
 Distances, Measuring. W. F. Ewald. 1,965,632; July 10.
 Distances, Method and apparatus for determining. H. C. Hayes. 1,972,889; Sept. 11.
 Distant control, Effecting. J. L. Stableford. 1,958,353; May 8.
 Distillate produced in distilling or cracking hydrocarbons, Stabilization of light. R. C. Cook. 1,945,599; Feb. 6.
 Distillate, Rerunning pressure. J. S. Wallis and H. C. Schutt. 1,952,225; Mar. 27.
 Distillates, Refining cracked. J. C. Morrell. 1,967,172; July 17.
 Distillation. J. W. Gray. 1,953,013; Mar. 27.
 Distillation. W. G. Stone. 1,966,938; July 17.
 Distillation and condensation. F. R. Kemmer. 1,955,964; Apr. 24.
 Distillation apparatus. K. C. D. Hickman. 1,942,858; Jan. 9.
 Distillation, Apparatus for. G. B. Coubrough. 1,980,612; Nov. 13.
 Distillation apparatus for the production of zinc or similar volatile metals. F. Johannsen and A. Leysner. 1,966,627; July 17.
 Distillation control device. W. J. Podbielniak. 1,967,258; July 24.
 Distillation data, Apparatus for automatically recording volumetric and temperature. G. W. Josten. 1,953,716; Apr. 3.
 Distillation, Fractional. R. B. Chillas, jr. 1,978,414; Oct. 30.
 Distillation, Fractional. A. G. Peterkin, jr. 1,942,446; Jan. 9.
 Distillation, Fractional. A. G. Peterkin, jr. 1,962,153; June 12.
 Distillation of solid carbonizable material, Destructive. L. C. Karrick. 1,945,530; Feb. 6.
 Distillation of solid fuels, Process and apparatus for the low-temperature. A. J. A. Hereng. 1,964,878; July 3.
 Distillation system. W. Sieck, jr. 1,982,598; Nov. 27.
 Distillation under vacuum, Method and apparatus for. C. E. Tarte and D. S. Mellett. 1,954,371; Apr. 10.
 Distillation, Vacuum. C. R. Burch and F. E. Bancroft. 1,955,321; Apr. 17.
 Distillation, Vacuum. S. P. Miller. 1,972,157; Sept. 4.
 Distillation, Vacuum. E. H. Payne and C. C. Miller. 1,958,547; May 15.
 Distillations under low pressure, Apparatus for carrying out. W. J. D. van Dijk. 1,950,830; Mar. 13.
 Distilling and conversion process. C. P. Dubbs. 1,969,782; Aug. 14.
 Distilling apparatus. J. E. Schulze and T. E. McArdle. 1,971,355; Aug. 28.
 Distilling apparatus for reclaiming used lubricating oils. F. E. Symons and F. M. Cowgill. 1,970,346; Aug. 14.
 Distilling nonmiscible substances in columns. E. Oman and S. H. Ledin. 1,942,767; Jan. 9.

- Distortion correcting for transmission lines. H. Nyquist. 1,944,297; Jan. 23.
- Distortion in vacuum tube circuits, Reduction of. J. G. Kreer, jr. 1,970,325; Aug. 14.
- Distortion reduction in signaling systems. R. W. Chesnut. 1,953,465; Apr. 3.
- Distortions from printing plates, Apparatus for and method of removing. R. M. Dugdale. 1,960,840; May 29.
- Distributing center. A. Plausics. 1,950,812; Mar. 13.
- Distributing mechanism for typographical composing and distributing machines. C. A. Albrecht. 1,982,040; Nov. 27.
- Distributing roll. A. B. Herold. 1,963,865; June 19.
- Distributing valve. H. Hamilton. 1,968,390; July 31.
- Distribution connector. A. Alsaker and A. E. Nessler. 1,964,803; July 3.
- Distribution method and apparatus. H. E. McCrery. 1,974,967; Sept. 25.
- Distribution system. J. S. Parsons. 1,979,703; Nov. 6.
- Distribution system. W. H. Powell. Re19,326; Sept. 25.
- Distribution system for shoe factories. M. O. Frost and P. Mattler. 1,954,124; Apr. 10.
- Distribution system for shoe factories. M. O. Frost and P. Mattler. 1,984,367; Dec. 18.
- Distributor. C. J. Helm. 1,957,594; May 8.
- Distributor. C. J. Helm. 1,976,725; Oct. 16.
- Distributor. M. Mallory. 1,984,275-6; Dec. 11.
- Distributor bar for typographical composing and distributing machines. C. A. Albrecht. 1,960,656; May 29.
- Distributor bar for typographical machines. H. R. Kreund. 1,951,329; Mar. 13.
- Distributor control for hydraulic reversing turbines. A. Huguenin. 1,950,305; Mar. 6.
- Distributor for dust-laden gases. J. W. Armour. 1,957,309; May 1.
- Distributor for finely divided material. F. A. Kuchler. 1,948,668; Feb. 27.
- Distributor for hydraulic reversing turbines. A. Huguenin. 1,945,901; Feb. 6.
- Distributor for pulverized coal feeding systems. J. E. Kennedy and H. W. Johnson. 1,985,099; Dec. 18.
- Distributor for the ignition systems of internal combustion engines, High tension. G. Steiner. 1,950,461; Mar. 13.
- Distributor head. H. E. Morton. 1,985,617; Dec. 25.
- Distributor head for distributor tanks. N. V. Hendricks. 1,971,262; Aug. 21.
- Distributor member. E. A. Turner. 1,983,057; Dec. 4.
- Distributor rotor assembling device. L. E. Poole. 1,983,808; Dec. 11.
- Distributor tester. B. J. Haskins. 1,966,066; July 10.
- Ditch check. W. L. Cox. 1,961,817; June 5.
- Ditch liner, Bituminous. D. I. Gardner. 1,981,788; Nov. 20.
- Ditcher. F. Knobel. 1,956,445; Apr. 24.
- Di-thiophosphate compounds. C. J. Romieux and K. D. Ashley. 1,949,629; Mar. 6.
- Divided channel system. R. Hoover and F. C. Collings. 1,983,905; Dec. 11.
- Divider. C. W. White. 1,944,819; Jan. 23.
- Divider for grain harvester machines, Rotary. J. W. and S. B. McClura. 1,971,866; Aug. 28.
- Dividing engine. G. B. Hayes. 1,953,804; Apr. 3.
- Dividing means for display cabinets. J. D. Nathan. 1,962,967; June 12.
- Dividing or forming device for plastic materials. E. S. Mason. 1,961,566; June 5.
- Dobby drive. L. Y. Randall. 1,944,369; Jan. 23.
- Doctor for paper-making machinery. F. W. Vickery. 1,945,761; Feb. 6.
- Doctor sludge, Regeneration of. H. G. M. Fischer. 1,970,693; Aug. 21.
- Doctor solutions, Reclaiming spent. R. A. Dunham. 1,982,577; Nov. 27.
- Document conveying and photographing machine. R. S. Hopkins. 1,954,318; Apr. 10.
- Documents, newspapers, and the like, Protecting. J. Broadman. 1,947,516; Feb. 20.
- Doffing mechanism for flyer spinning, doubling, twisting, and like machines. M. J. A. Paul. 1,983,000; Dec. 4.
- Dog racing apparatus. H. B. Staver. 1,981,678; Nov. 20.
- Dog releasing device for doorlatches. F. D. Grund. Re19,223; June 26.
- Dog starting apparatus. T. A. Keen. 1,983,376; Dec. 4.
- Dogging mechanism, Power-operated. E. H. Percy. 1,944,286; Jan. 23.
- Dogless attachment for circular rib knitting machines. W. Larkin. 1,977,517; Oct. 16.
- Dolly. R. J. and G. A. Hutt. Des. 94,031; Dec. 11.
- Dolly. E. Karfol. Des. 92,607-11; June 26.
- Dolly. E. Karfol. Des. 93,022; Aug. 14.
- Doll. C. E. Bowers. 1,978,337; Oct. 23.
- Doll. A. R. Dail. Des. 92,292; May 22.
- Doll. A. M. Katz. 1,949,867; Mar. 6.
- Doll. S. Marcus. 1,958,485; May 15.
- Doll. H. Martin. 1,966,986; July 17.
- Doll. F. Passarelli. 1,960,876; May 29.
- Doll. J. S. Thompson. Des. 94,584; Oct. 9.
- Doll, Boy. D. R. Gufler. Des. 93,919; Nov. 27.
- Doll construction. S. Kalner and D. Cohn. 1,954,320; Apr. 10.
- Doll construction. E. Woschke. 1,975,381; Oct. 2.
- Doll, Girl. D. R. Gufler. Des. 93,920; Nov. 27.
- Doll joint. M. S. Lower. 1,949,393; Feb. 27.
- Doll, Rag. D. Sherrill. 1,948,803; Feb. 27.
- Doll, Talking. S. Gershowitz and B. Lipfert. 1,967,818; July 24.
- Doll wardrobe and bed or similar article, Combined. C. W. Burst. Des. 93,203; Sept. 4.
- Dolls and the like, Walking device for. G. W. Stocker. 1,960,981; May 29.
- Doll's eye. L. J. Grubman. 1,963,129; June 19.
- Dolls, Method of and composition for coating. J. Frisch. 1,979,031; Oct. 30.
- Dolly. H. W. Cardwell and W. C. Guier. 1,970,840; Aug. 21.
- Dolly construction. R. E. Williams. 1,977,930; Oct. 23.
- Dolly, Parking. B. B. Balkema and R. J. Turnbull. 1,962,127; June 12.
- Dome cover for tank cars, Safety. J. S. Boylan. 1,958,693; May 15.
- Domestic power unit. F. R. Erbach. 1,942,689; Jan. 9.
- Door. J. I. Byrne. 1,970,222; Aug. 14.
- Door. H. I. Morris. 1,954,825; Apr. 17.
- Door, Access. D. V. Burt. 1,952,836; Mar. 27.
- Door actuating and locking device, Combined. S. B. Haseltine. 1,956,679; May 1.
- Door and brake valve device. E. E. Hewitt. 1,980,334; Nov. 13.
- Door and floor tightening means. O. Flack. 1,956,151; Apr. 24.
- Door and frame and making same, Safe and vault. A. H. Lambden. 1,957,217; May 1.
- Door and ladder structure, Silo. C. A. Neprud. 1,951,557; Mar. 20.
- Door and lock operating mechanism. J. A. Youngblood. 1,963,820; June 19.
- Door and operating means therefor. L. Grandgent. 1,946,970; Feb. 13.
- Door and operating mechanism therefor, Wardrobe. C. H. Kraft and R. E. Gearhart. 1,965,841; July 10.
- Door and the like, Refrigerator car. E. A. Sweeley and N. T. Anderson. 1,944,618; Jan. 23.
- Door and window construction. A. P. Ball. Re19,133; Apr. 3.
- Door and window opening tool. O. A. Ellis. 1,978,743; Oct. 30.
- Door, Asbestos lumber cell. C. P. Haff. 1,954,290; Apr. 10.
- Door, Automatic fire. J. A. Paul. 1,955,826; Apr. 24.
- Door, Automatic garage. C. C. Brown. 1,984,861; Dec. 18.
- Door, Automobile. W. L. Morrison. 1,962,965; June 12.
- Door, Automobile body. F. Ginsburg. Des. 91,619; Feb. 27.
- Door, Awning. R. E. Thompson. 1,980,303; Nov. 13.
- Doorbolt and night latch, Combined. H. E. Anglyn. 1,965,789; July 10.
- Doorbolt for multileaf doors. M. Vincent. 1,944,650; Jan. 23.
- Door, Cabinet. R. M. Henderson. 1,963,089; June 19.
- Door, Canopy. W. J. Austin. 1,957,890; May 8.
- Door, Car. A. Christianson. 1,959,705; May 22.
- Door, Car. A. Christianson and H. T. Anderson. 1,959,706; May 22.
- Door casing and plaster retaining means, Combined metal. G. A. Knapp. 1,975,657; Oct. 2.
- Doorcatch. G. M. Sparks. 1,954,500; Apr. 10.
- Doorcatch. P. D. West. 1,973,971; Sept. 18.
- Doorcheck. W. Clayton. 1,946,837; Feb. 13.
- Doorcheck. C. Fernandez. 1,979,826; Nov. 6.
- Doorcheck. A. Larson. 1,970,008; Aug. 14.
- Doorcheck. D. E. Riggins. 1,965,805-6; July 10.
- Doorcheck. A. Rose. 1,984,842; Dec. 18.
- Doorcheck. R. C. Seyforth. 1,983,999; Dec. 11.
- Doorcheck. D. Tappan. 1,963,687; June 19.
- Door closer. A. C. Dunn. 1,966,957; July 17.
- Door closer. P. C. Richter and R. S. Potter. 1,942,185; Jan. 2.
- Door closer and check. G. H. Anderson. 1,957,308; May 1.
- Door closer and check. A. Hruska. 1,952,070; Mar. 27.
- Door closer and check. W. F. Moore. 1,965,108; July 3.
- Door closer and check, Swinging. G. H. Anderson. 1,959,325; May 15.
- Door closer and fly chaser. H. J. Wentz. 1,973,970; Sept. 18.
- Door closing and checking device. L. C. Norton. 1,949,758; Mar. 6.
- Door, Coke oven. A. T. Kent. 1,958,305; May 8.
- Door compartment, Multiple. E. J. G. Phillips. 1,973,878; Sept. 18.
- Door construction. P. C. Baldwin and F. W. Schweer. 1,947,691; Feb. 20.
- Door construction. G. A. Gillen. 1,970,905; Aug. 21.
- Door construction. C. W. Kelly. 1,960,496; May 29.
- Door construction. F. J. Plym. 1,959,597; May 22.
- Door construction. A. V. Rowe. 1,948,770; Feb. 27.
- Door construction, Automobile. W. H. D'Ardenne. 1,949,269; Feb. 27.
- Door construction, Cabinet. W. R. Rix. 1,981,710; Nov. 20.
- Door construction, Car. C. E. Eklind and W. A. Beauchamp. 1,980,671; Nov. 13.
- Door construction, Folding. W. D. Redrup. 1,944,670; Jan. 23.
- Door construction, Inspection. J. F. Duffy. 1,963,941; June 19.
- Door construction, Metallic. K. J. Tobin. 1,951,539; Mar. 20.

- Door construction, Overhead. A. V. Rowe. 1,948,769; Feb. 27.
- Door construction, Sliding. E. W. Clark. 1,948,065; Feb. 20.
- Door construction, Sliding. E. W. Clark. 1,954,987; Apr. 17.
- Door construction, Sliding. E. W. Clark. 1,956,372; Apr. 24.
- Door construction, Steel. R. F. Anderson. 1,953,739; Apr. 3.
- Door construction, Trap. J. R. Borba. 1,942,681; Jan. 9.
- Door construction, Washing cylinder. H. Koplin and J. Maki. 1,984,931; Dec. 18.
- Door control. H. C. Blodgett. 1,978,126; Oct. 23.
- Door control and operating device. R. Calabrese. 1,941,969; Jan. 2.
- Door control apparatus. A. C. Dunn. 1,966,956; July 17.
- Door control device. J. C. McCune. 1,947,727; Feb. 20.
- Door control device. J. C. McCune. 1,969,813; Aug. 14.
- Door control, Dump body. R. E. Cartzdafner. 1,965,097; July 3.
- Door control, Electric. H. C. Blodgett. 1,981,026; Nov. 20.
- Door control, Elevator. S. Lubkin. 1,982,442; Nov. 27.
- Door control, Elevator. H. Zarafu. 1,963,430; June 19.
- Door control, Garage. M. F. Burgett. 1,975,766; Oct. 9.
- Door control means, Overhead. H. C. Blodgett. 1,962,475; June 12.
- Door control mechanism, Elevator. C. E. Hammell. 1,966,445; July 17.
- Door controlling means for school wardrobes. W. H. Kyte. 1,962,094; June 5.
- Door controlling mechanism. I. T. Mize. 1,942,720; Jan. 9.
- Door covering attachment, Refrigerator. W. F. Davis and C. E. Norelius. 1,942,509; Jan. 9.
- Door, Cowl ventilator. J. Boca. 1,948,283; Feb. 20.
- Door cushion and door catch, Combination. J. L. Ventura. 1,946,954; Feb. 13.
- Door device, Elevator. H. V. McCormick. 1,962,319; June 12.
- Door, Double-swinging. W. K. Schmidt. 1,972,575; Sept. 4.
- Door, Dumbwaiter or other like. A. A. Allen. 1,977,788; Oct. 23.
- Door, Elevator. O. L. and E. F. Allen. 1,961,188; June 5.
- Door fastener. P. A. Ballwanz, H. Hendrickson, and R. J. Jesse. 1,958,029; May 8.
- Door fastener. H. Fuchs. 1,971,401; Aug. 28.
- Door fastener. J. A. Haviland. 1,947,773; Feb. 20.
- Door fastener, Releasable. A. Hauff. 1,951,907; Mar. 20.
- Door fastening device. H. E. Bartsch. 1,952,112; Mar. 27.
- Door, Fire. S. P. Smurr. 1,968,719; July 31.
- Door fixture for railway cars. A. E. Small. 1,946,549; Feb. 13.
- Door fixture, Railway car. G. G. Gilpin. 1,958,749; May 15.
- Door fixture, Railway car. G. G. Gilpin. 1,967,819; July 24.
- Door fixture, Railway car. A. E. Small. 1,946,550; Feb. 13.
- Door fixtures. R. J. De Wees. 1,961,480; June 5.
- Door, Flexible. C. F. Rutledge. 1,962,913; June 12.
- Door for banks, Burglarproof. R. A. Harvey. 1,982,301; Nov. 27.
- Door for ice-venting machines, Delivery. G. E. Tench. 1,964,605; June 26.
- Door for orchard heaters, Draft. C. J. Journey. 1,963,995; June 26.
- Door for poultry coops and crates. O. F. Carpenter. Re19,277; Aug. 21.
- Door for railway cars. W. E. Wine. 1,955,868; Apr. 24.
- Door for refrigerating units. R. A. Riek. 1,956,929; May 1.
- Door for rolling shutters and the like. D. J. Moss. 1,961,674; June 5.
- Door for washing machine and the like. J. N. White. 1,953,380; Apr. 3.
- Doorframe. M. J. Tracy. 1,948,602; Feb. 27.
- Doorframes for cars and the like. O. S. Jackson. 1,949,745; Mar. 6.
- Door, Grain. J. W. Hiltz. 1,945,974; Feb. 6.
- Door, Grain car. J. Mattson. 1,963,415; June 19.
- Door guide. L. R. Disbro and C. R. Pickell. 1,971,098; Aug. 21.
- Door handle. W. D. Ferris. Des. 91,809; Mar. 27.
- Door handle. L. M. Holbrook. 1,944,642; Jan. 23.
- Door handle construction, Automobile. R. F. Anderson. 1,985,223; Dec. 25.
- Door handle for cabinets or the like. L. H. Darbyshire. Des. 91,861; Apr. 3.
- Door hanger. L. F. Dettenborn. 1,959,818; May 22.
- Door hinge. S. Brantington. Des. 92,447; June 12.
- Door hinge. E. Predmore. 1,965,316; July 3.
- Door holder. E. Ciriacy and H. Bradley. 1,944,783; Jan. 23.
- Door holder. S. J. Rawlings. 1,967,592; July 24.
- Door holder or stay. R. W. Thornley. 1,952,001; Mar. 20.
- Door holding device. R. H. Hummert. 1,942,860; Jan. 9.
- Door jamb. H. Grimes. 1,966,666; July 17.
- Doorknob and lighting device, Combined. J. W. Clarke. 1,985,483; Dec. 25.
- Door knob construction. A. G. Lyons. 1,967,152; July 17.
- Door latch. N. Abrahams. 1,961,472; June 5.
- Doorlatch. K. Brainerd. 1,943,946; Jan. 16.
- Doorlatch. S. Brantington. Des. 91,418; Jan. 30.
- Doorlatch. S. Brantington. Des. 93,198; Sept. 4.
- Doorlatch. C. E. Dath. 1,979,456; Nov. 6.
- Doorlatch. J. J. Egan. 1,968,285; July 31.
- Doorlatch. F. A. Gerlach and J. Bohlander. 1,964,114; June 26.
- Doorlatch. E. A. Jacobson. 1,956,093; Apr. 24.
- Doorlatch. R. E. Kruck. Des. 93,484; Oct. 2.
- Doorlatch. R. Marple. 1,962,904; June 12.
- Doorlatch. A. S. Schenker and H. Sheer. 1,942,731; Jan. 9.
- Doorlatch. E. L. Wilson. 1,949,770; Mar. 6.
- Doorlatch for cabinets and the like. J. S. Sayre. Des. 92,928; July 31.
- Doorlatch for cabinets and the like. J. S. Sayre. Des. 92,929; July 31.
- Doorlatch mechanism. H. W. Rightmyer. 1,983,639; Dec. 11.
- Doorlatch, Vehicle. W. Marshall and J. Levandoski. 1,966,257; July 10.
- Door latching mechanism. A. B. Ellery. 1,955,118; Apr. 17.
- Door, Lift. C. E. Eklind. 1,965,223; July 3.
- Doorlock. B. O. Ball. 1,963,483; June 19.
- Doorlock. L. Kalina. 1,956,388; Apr. 24.
- Doorlock. H. E. Malone. Des. 92,724; July 10.
- Doorlock. M. M. Munk. 1,966,415; July 10.
- Doorlock. O. A. Ross. 1,965,809; July 10.
- Doorlock. W. R. Schlage. 1,971,580; Aug. 28.
- Doorlock and framing. H. R. Cullmer. 1,945,734; Feb. 6.
- Doorlock, Automobile. E. H. Christensen. 1,960,410; May 29.
- Doorlock, Automobile. E. Jones, and J. C. Fineout. 1,972,626; Sept. 4.
- Doorlock, Automobile. J. A. Rupp. 1,965,723; July 10.
- Doorlock, Car. W. A. Beauchamp. 1,976,913; Oct. 16.
- Doorlock, Elevator. J. H. Borden and C. J. Kett. 1,979,022; Oct. 30.
- Doorlock for hollow metal doors. W. R. Schlage. 1,981,289; Nov. 20.
- Doorlock indicator. W. R. Schlage. 1,944,469; Jan. 23.
- Doorlock, Overhead. D. M. Robinson. 1,955,439; Apr. 17.
- Doorlock, Portable. O. Aubertin. 1,971,440; Aug. 28.
- Doorlock, Revolving. W. H. Tighe. 1,952,393; Mar. 27.
- Doorlock, Steel. S. Cooper. 1,942,087; Jan. 2.
- Door locking and operating means, Car. J. A. Shafer. 1,946,714; Feb. 13.
- Door locking device. S. E. Cochran. 1,966,612; July 17.
- Door locking device. F. C. Heinen. 1,935,423; Apr. 17.
- Door locking means, Automobile. C. L. Duquaine. 1,947,761; Feb. 20.
- Door mechanism. G. W. Hegel. 1,944,082; Jan. 16.
- Door mechanism. H. N. Renton. 1,955,019; Apr. 17.
- Door mechanism. C. R. Vegren. 1,985,847; Dec. 25.
- Door mechanism, Cable actuated. E. G. Mathauer. 1,977,284; Oct. 16.
- Door mechanism, Car. W. E. Wine. 1,977,838; Oct. 23.
- Door mechanism, Counter-balance. F. W. Scheineman and B. Franklin. 1,966,934; July 17.
- Door mechanism, Elevator. C. Norton and B. W. Tucker, jr. 1,950,150; Mar. 6.
- Door mechanism, Lift and throwout. F. C. Heinen. 1,943,823; Jan. 16.
- Door, Mirror frame. S. Piker. 1,954,225; Apr. 10.
- Door motor. J. W. Conway. 1,957,697; May 8.
- Door opening and closing device. A. B. Steele. 1,969,767; Aug. 14.
- Door opening mechanism, Automatic. A. S. Fitz Gerald. 1,972,682; Sept. 4.
- Door operating apparatus. E. G. Parvin. 1,950,627; Mar. 13.
- Door operating apparatus. E. G. Parvin. 1,979,569; Nov. 6.
- Door operating apparatus, Elevator. H. W. Mattingly and F. E. Lewis. 1,942,253; Jan. 2.
- Door operating device. L. M. Bergman. 1,959,897; May 22.
- Door operating device. E. A. Hansen. 1,951,905-6; Mar. 20.
- Door operating device. E. A. Harris. 1,954,813; Apr. 17.
- Door operating device, Car. E. G. Busse. 1,945,019; Jan. 30.
- Door operating device, Railway car. E. E. Schlesinger. 1,963,152; June 19.
- Door operating means. C. Cakora. 1,975,632; Oct. 2.
- Door operating means, Garage. W. M. Hostetler. 1,973,899; Sept. 18.
- Door operating mechanism. H. G. Ainsworth. 1,941,454; Jan. 2.
- Door operating mechanism. J. P. Anderson. 1,959,975; May 22.
- Door-operating mechanism. R. D. Conklin. 1,949,645; Mar. 6.
- Door operating mechanism. A. Fazendin. 1,946,577; Feb. 13.
- Door operating mechanism. C. R. Hennicke. 1,957,710; May 8.
- Door operating mechanism. F. L. Nichols. 1,984,692; Dec. 18.
- Door operating mechanism. J. A. Schweig. 1,943,042; Jan. 9.

- Door operating mechanism. W. A. Smith. 1,949,133; Feb. 27.
- Door operating mechanism, Automatic. A. P. Konter. 1,966,762; July 17.
- Door operating mechanism, Garage. C. A. Diller. 1,961,283; June 5.
- Door operating mechanism, Garage. J. W. Yowell. 1,963,321; June 19.
- Door operator. E. R. Beeman. 1,966,943; July 17.
- Door operator. F. L. Nichols. 1,941,574; Jan. 2.
- Door operator, Elevator. H. V. McCormick. 1,966,182; July 10.
- Door operator, Elevator. C. Norton. 1,961,938; June 5.
- Door or closure. R. W. Stevens. 1,978,234; Oct. 23.
- Door or lid lift, Automatic. J. Poos. 1,975,701; Oct. 2.
- Door or like lock. A. Riley and H. Rush. 1,967,627; July 24.
- Door, Oven. J. W. Barker. 1,969,197; Aug. 7.
- Door, Oven. C. L. Beverly. 1,944,061; Jan. 16.
- Door, Oven. J. F. Lee. 1,951,698; Mar. 20.
- Door, Overhead garage. C. M. Evans. 1,959,663; May 22.
- Door-positioning mechanism. K. D. Stewart. 1,952,472; Mar. 27.
- Door pull and latch. C. L. Evans. 1,948,908; Feb. 27.
- Door pull or similar article. W. T. Bradbury. Des. 92,940; Aug. 7.
- Door, Railway car. E. Foss. 1,958,945; May 15.
- Door, Railway car hopper. V. E. Sisson. 1,983,049; Dec. 4.
- Door, Railway hopper car discharge. J. A. Shafer. 1,949,664; Mar. 6.
- Door removing and replacing device. B. W. Schellen-trager. 1,945,085; Jan. 30.
- Door retainer. J. J. Seitz. 1,965,672; July 10.
- Door, Revolving. W. S. Ely and E. Peremi. 1,983,353; Dec. 4.
- Door, Revolving. E. Peremi and C. Kish. 1,983,395-6; Dec. 4.
- Door, Revolving. J. M. Tatman. 1,965,481; July 3.
- Door saddle, Metal. M. Katz. 1,945,859; Feb. 6.
- Door, Safety. D. L. Feltham. 1,944,156; Jan. 23.
- Door, Safety bank. D. G. Earle. 1,960,578; May 29.
- Door securer. J. G. Bins. 1,970,485; Aug. 14.
- Door separator and track for door runways in display cases. A. Voigt. 1,945,003; Jan. 30.
- Door, shower bath shield, and the like, Shower bath stall. L. H. Lehman. 1,944,440; Jan. 23.
- Door, Sliding. E. F. Allen. 1,960,860; May 29.
- Door, Sliding. J. Schaefer. 1,950,037; Mar. 6.
- Door speed control, Revolving. T. M. Hagenbook. 1,946,160; Feb. 6.
- Door, Steel automobile. C. W. Avery. 1,952,485; Mar. 27.
- Doorstop. J. G. Green. 1,985,164; Dec. 18.
- Doorstop. G. W. Thompson. 1,958,807; May 15.
- Door stop and alarm. R. Tarrant. 1,967,790; July 24.
- Doorstop, Flexible. R. C. Watkins and J. May. 1,983,784; Dec. 11.
- Doorstop mechanism. W. Penfield. 1,960,505; May 29.
- Door strip and method of making. W. H. Ross. 1,948,942; Feb. 27.
- Door structure. F. J. Matchette. 1,980,730; Nov. 13.
- Door structure and operating means therefor. D. H. Morgan. 1,947,422; Feb. 13.
- Door structure, Semicollapsible revolving. R. L. Blanchard. 1,965,449; July 3.
- Door structure. Sio. G. O. Kruger. 1,962,278; June 12.
- Door support. R. I. Schonitzer. 1,963,475; June 19.
- Door, Three-wing panicproof revolving. J. W. Light. 1,950,681; Mar. 13.
- Door, trackway, Sliding. O. C. and W. A. McGary. 1,949,805; Mar. 6.
- Door unit for sectional partitions, Adjustable. T. V. Balch and J. A. Bohnsak. 1,981,538; Nov. 20.
- Doors, Apparatus for operating. S. S. Roby and H. H. Raymond. 1,978,093; Oct. 23.
- Doors, Elevating. E. J. Fehr, K. J. Tobin, and F. C. Heinen. 1,968,914; May 15.
- Doors from a distant point, Device for actuating garage. R. McNeil. 1,950,059; Mar. 6.
- Doors, Making refrigerator. C. C. Ritter. 1,971,384; Aug. 28.
- Doors. Mechanism for operating metallurgical furnace. P. B. Tonnar. 1,979,125; Oct. 30.
- Double acting jack. J. Liston and P. F. Brennan. 1,951,096; Mar. 13.
- Double action valve pump. R. E. Ventress and J. C. Mulvill. 1,952,640; Mar. 27.
- Double boiler. J. E. Dee. 1,935,486; Dec. 25.
- Double boiler. C. B. Dexter. 1,974,412; Sept. 25.
- Double casing pump. A. Hollander. 1,984,643; Dec. 18.
- Double clip pin. E. Steiner. Des. 92,376; May 29.
- Double exposures in using plate or film holders for cameras, Means to prevent. W. E. Burnell. 1,954,917; Apr. 17.
- Double exposures in using plate or film holders for cameras, Means to prevent. W. E. Burnell, W. H. Pettit, and C. H. Roth. 1,954,918; Apr. 17.
- Double lock. C. Tilssner and J. Tauscher. 1,954,718; Apr. 10.
- Double seaming head. W. F. Butler. 1,972,866; Sept. 11.
- Double sign support. M. K. Markman. Des. 93,498; Oct. 2.
- Double throw switch. W. Quante. 1,957,666; May 8.
- Double universal joint. J. W. B. Pearce. 1,979,768; Nov. 6.
- Douche. E. M. Freund. 1,944,553; Jan. 23.
- Douche. W. Y. McQueen, Jr. 1,973,262; Sept. 11.
- Douche device. D. B. Hanna. 1,942,422; Jan. 9.
- Douche, Vaginal. M. S. Corbett. 1,943,110; Jan. 9.
- Dough and flour salvager. V. Zehender. 1,958,808; May 15.
- Dough brake machine, Automatic. C. R. Davis. 1,952,047; Mar. 27.
- Dough dispensing and cutting device. C. E. Doolin. 1,954,443; Apr. 10.
- Dough divider. F. Marasso. 1,961,698; June 5.
- Dough divider. C. E. Steere. 1,954,501; Apr. 10.
- Dough divider. C. E. Steere. 1,966,147; July 10.
- Dough divider, Automatic. F. H. Van Houten. 1,965,516; July 3.
- Dough dividing and working machine. H. Schröder. 1,944,112; Jan. 16.
- Dough feeding appliance and the like. C. E. Carpenter. 1,968,808; Aug. 7.
- Dough handling machine. O. D. Scruggs, Jr. 1,945,755; Feb. 6.
- Dough molding machine. J. E. Pointon and L. S. Harber. 1,970,336; Aug. 14.
- Dough piece forming machine. L. S. Harber and J. E. Pointon. 1,965,413; July 3.
- Dough portioning and molding machine with kneading device connected thereto. F. Bellingroth. 1,960,367; May 29.
- Dough, Processing. W. G. Kirchhoff. 1,951,549; Mar. 20.
- Dough slicing apparatus. J. L. Perkins and H. D. Croft. 1,966,732; July 17.
- Dough slicing apparatus. J. L. Perkins, H. D. Croft, and L. E. Deloghia. 1,959,303; May 15.
- Dough tank. W. F. Petersen and F. A. Hoppe. 1,966,681; July 17.
- Dough working machine. F. X. and E. J. Lauterbur. 1,949,105; Feb. 27.
- Dough working machine. H. O. Mercier. 1,965,779; July 10.
- Doughnut cooking machine. W. L. Goodman. 1,966,117; July 10.
- Doughnut cooking machine, Automatic. L. Snyder. 1,961,532; June 5.
- Doughnut cutter. H. Dady. Des. 94,119; Dec. 25.
- Doughnut machine. A. Hawerlander. 1,962,714; June 12.
- Doughnut machine and the like. C. E. Carpenter. 1,948,022; Feb. 20.
- Doughnut machine and the like. C. E. Carpenter. 1,956,853; May 1.
- Dovetail for doors, Antirattle. R. G. Moore. 1,968,613; July 31.
- Dovetailing machine. R. H. Crouch. 1,963,889; June 19.
- Dowel bar cap and stop. E. A. Robertson. 1,942,494; Jan. 9.
- Dowel, Hollow. F. Gloystein. 1,963,301; June 19.
- Dowel-making machine. A. Margelis. 1,981,183; Nov. 20.
- Dowel pin for connecting parts of machinery, apparatus, and the like. K. Wernhardt. 1,972,119; Sept. 4.
- Dowel pin, stud, or the like. E. Simon. 1,948,889; Feb. 27.
- Doweling machine. A. R. Welch. 1,982,713; Dec. 4.
- Draft and buffer gear. S. B. Haseltine. 1,966,625; July 17.
- Draft and buffer gear. J. H. Link. 1,968,495; July 31.
- Draft and buffer gear. H. J. Lounsbury. 1,970,664; Aug. 21.
- Draft and buffing gear. C. E. Dath. 1,977,823; Oct. 23.
- Draft and buffing gear. W. M. Dwyer. 1,968,481; July 31.
- Draft and buffing gear. J. H. Link. 1,949,060; Feb. 27.
- Draft and buffing gear. H. J. Lounsbury. 1,963,206; June 19.
- Draft and buffing mechanism. W. H. Mussey. 1,958,490; May 15.
- Draft and combustion control, Automatic. A. Verduysen. 1,946,300; Feb. 6.
- Draft and heat regulator. H. Wessels. 1,953,874; Apr. 3.
- Draft and humidifier device for hot air registers, Forced. H. H. Crafton. 1,982,465; Nov. 27.
- Draft appliance. E. P. Kinne. 1,968,559; July 31.
- Draft appliance for carbonated beverages. L. I. Reed. 1,980,500; Nov. 13.
- Draft appliance for mine and other cars. A. H. Stow. 1,961,021; May 29.
- Draft appliance, Railway. W. J. Regan and E. George, Jr. 1,982,234; Nov. 27.
- Draft attachment for furnaces and the like. G. H. Klippel. 1,944,984; Jan. 30.
- Draft connection for implements. R. G. Le Tourneau. 1,983,860; Dec. 11.
- Draft control. W. L. Butler. 1,963,073; June 19.
- Draft control. T. A. Gerlach. 1,974,567; Sept. 25.
- Draft control device. W. L. Butler and H. F. Hillard. 1,946,568; Feb. 13.
- Draft control device for solid or fluid burning furnaces. W. L. Butler. 1,971,336; Aug. 28.
- Draft control, Thermostatic. A. C. Sigmon. 1,971,431; Aug. 28.
- Draft controller. J. S. Baker. 1,962,292; June 12.
- Draft controlling apparatus for furnace flues. T. W. Price. 1,945,955; Feb. 6.
- Draft device. J. R. Taylor. 1,963,426; June 19.
- Draft diverter. C. S. Andersen. 1,983,515; Dec. 11.
- Draft-eliminating device for motor vehicle foot and floor boards. O. W. Johnson. 1,971,857; Aug. 28.
- Draft equalizer. G. Johnson. 1,948,665; Feb. 27.
- Draft gear. L. M. Clark. 1,941,787; Jan. 2.

- Draft gear. E. P. Kinne. 1,963,584; June 19.
 Draft gear. E. P. Kinne and F. H. Kayler. 1,981,180; Nov. 20.
 Draft gear. A. H. Oelkers. 1,947,056; Feb. 13.
 Draft gear. H. C. Priebe. 1,946,178; Feb. 6.
 Draft gear. E. H. Schmidt. 1,944,953; Jan. 30.
 Draft gear. H. L. Spence. 1,942,907; Jan. 9.
 Draft gear. D. F. Sproul. 1,943,043; Jan. 9.
 Draft gear, Limited travel. E. H. Schmidt. 1,960,069; May 22.
 Draft guard for doors. J. Da Pra. 1,974,151; Sept. 18.
 Draft hitch. A. and H. L. Rosenthal. 1,959,065; May 15.
 Draft means for fuel stokers. E. J. Simons. 1,974,475; Sept. 25.
 Draft mechanism. G. T. Johnson. 1,957,597; May 8.
 Draft, Overcoming side. L. A. Roggensack. 1,946,501; Feb. 13.
 Draft, Overcoming side. L. A. Roggensack. 1,947,492; Feb. 20.
 Draft regulating device, Automatic. H. J. Roberts. 1,973,997; Sept. 18.
 Draft regulation, Automatic. M. J. Brede. 1,967,494; July 24.
 Draft regulator. L. S. Chadwick and J. A. Dahlstrom. 1,979,865; Nov. 6.
 Draft regulator. G. L. Donovan and W. A. Fox. 1,978,488; Oct. 30.
 Draft regulator. F. J. Jeffries. 1,976,994; Oct. 16.
 Draft regulator. W. F. Mortimer. 1,943,342; Jan. 16.
 Draft regulator, Automatic. F. M. Garman. 1,946,157; Feb. 6.
 Draft regulator, Automatic. L. F. Spear. 1,959,222; May 15.
 Draft rigging. N. B. Akitt. 1,962,699; June 12.
 Draft rigging. N. B. Akitt. 1,971,953; Aug. 28.
 Draft rigging. D. S. Barrows. 1,946,828; Feb. 13.
 Draft rigging. D. S. Barrows. 1,951,319; Mar. 13.
 Draft rigging. D. S. Barrows. 1,962,704; June 12.
 Draft rigging. D. S. Barrows. 1,963,066-8; June 19.
 Draft rigging. D. S. Barrows. 1,966,916; July 17.
 Draft rigging. D. S. Barrows. 1,978,617; Oct. 30.
 Draft rigging. D. S. Barrows. 1,979,217; Oct. 30.
 Draft rigging. D. S. Barrows. 1,979,524; Nov. 6.
 Draft rigging. G. F. Couch. 1,956,563; May 1.
 Draft rigging. D. C. Davis. 1,982,858; Dec. 4.
 Draft rigging. A. E. Heffelfinger. 1,979,070; Oct. 30.
 Draft rigging. B. W. Kadel. 1,943,676; Jan. 16.
 Draft rigging. J. H. Link. 1,968,494; July 31.
 Draft rigging. H. J. Lounsbury. 1,945,696; Feb. 6.
 Draft rigging. W. F. Richards. 1,952,284; Mar. 27.
 Draft rigging. F. G. Suckow. 1,947,316; Feb. 13.
 Draft rigging. F. G. Suckow. 1,952,479; Mar. 27.
 Draft rigging. F. G. Suckow. 1,953,031; Mar. 27.
 Draft rigging. D. L. Townsend. 1,968,789; July 31.
 Draft rigging, Railway. S. B. Haseltine. 1,950,609; Mar. 13.
 Draft rigging, Railway. H. J. Lounsbury. 1,971,420; Aug. 28.
 Draft rigging, Railway. J. F. O'Connor. 1,955,858; Apr. 24.
 Draft rigging, Railway. J. F. O'Connor. 1,958,636; May 15.
 Draft rigging, Railway. J. F. O'Connor. 1,964,170; June 26.
 Draft stabilizer, Automatic. O. W. Dressler. 1,947,251; Feb. 13.
 Draft stabilizer for stove flue pipes. E. V. Coulston. 1,966,946; July 17.
 Draft through closed doorways and the like, Eliminating. A. H. Timmis. 1,972,431; Sept. 4.
 Draft tube. G. A. Jessop and H. J. M. Ross. 1,955,070; Apr. 17.
 Draft unit for spray booths, Induced. W. B. Thompson. 1,950,828; Mar. 13.
 Draft yoke. D. S. Barrows. 1,951,318; Mar. 13.
 Drafting board. F. O. Clark. 1,968,744; July 31.
 Drafting device. W. E. Sidnev. 1,980,884; Nov. 13.
 Drafting device or utility. R. B. Ware. 1,945,987; Feb. 6.
 Drafting instrument. V. A. L. Asencio. 1,979,724; Nov. 6.
 Drafting instrument. K. Poulsen. 1,975,648; Oct. 2.
 Drafting instrument. A. Secco. 1,962,038; June 5.
 Drafting instrument, Combination. P. P. Burnette. 1,972,759; Sept. 4.
 Draftsman's protractor. E. Z. Lesh. 1,959,832; May 22.
 Draftsman's table. G. A. O'Farrell. 1,942,727; Jan. 9.
 Draftsman's table. G. A. O'Farrell. 1,985,212; Dec. 18.
 Drag. G. D. Wheat. 1,954,905; Apr. 17.
 Drag bucket hook. W. Lehman. 1,974,426; Sept. 25.
 Drag conveyer. B. Beardsley. 1,985,850; Dec. 25.
 Drag conveyer and belt. P. J. Birkmeyer. 1,973,041; Sept. 11.
 Drag conveyer, Sectional. A. E. Edwards. 1,948,163; Feb. 20.
 Drag link. B. W. Twyman. 1,963,927; June 19.
 Drag, Road. H. Holtje. 1,965,702; July 10.
 Drag, Road. W. Katzenberger. 1,962,990; June 12.
 Drain, Basement. A. Baldare. 1,962,978; June 12.
 Drain cleaner. H. Baden. 1,985,813; Dec. 25.
 Drain controls for sewers and the like. C. A. Sellmos. 1,951,632; Mar. 20.
 Drain fitting for sinks and the like. S. Blickman. 1,964,423; June 26.
 Drain fixture for sinks. E. Foose. 1,976,549; Oct. 9.
 Drain flushing device. J. J. McEwan. 1,977,319; Oct. 16.
 Drain for breather type roofs. J. H. Wiggins. 1,976,592; Oct. 9.
 Drain inlet. C. E. Drehmann. 1,972,513; Sept. 4.
 Drain, Intercepting. W. J. Luff. 1,982,348; Nov. 27.
 Drain pipe cleaner. G. J. Sanger. 1,963,561; June 19.
 Drain plug. W. A. Reaser and E. A. Ziems. 1,958,800; May 15.
 Drain trap. W. B. Nance. 1,958,712; May 15.
 Drain trap priming device. W. B. Smith. 1,985,647; Dec. 25.
 Drain, Tubing. J. D. Nixon. 1,972,408; Sept. 4.
 Drain valve. B. Mollberg. 1,941,482; Jan. 2.
 Drain valve. P. F. Mueller. 1,971,304; Aug. 21.
 Drain valve, Automatic. A. C. Rowley. 1,972,034; Aug. 28.
 Drainage control. W. Pruneau. 1,941,578; Jan. 2.
 Drainage device. F. Schultz. 1,973,321; Sept. 11.
 Drainage fitting. E. W. N. Boosey. 1,973,304; Sept. 11.
 Drainage fixture. W. S. Fleming. 1,963,300; June 19.
 Drainage means for window or similar frames. W. E. Leigh. 1,945,816; Feb. 6.
 Drainage means, Heat releasable. V. L. Shaw. 1,973,182; Sept. 11.
 Drainage system and fitting therefor. E. W. N. Boosey. 1,941,926; Jan. 2.
 Drainer. L. V. Claire. 1,953,338; Apr. 3.
 Drainer, Dish. B. B. Feingold. 1,971,523; Aug. 28.
 Draining device. C. Rosenblad. 1,977,921; Oct. 23.
 Drape. M. O. Levinson. 1,959,870; May 22.
 Drape stand. C. C. Colie. Des. 93,539; Oct. 9.
 Drapery carrier. W. H. Toeles. 1,949,224; Feb. 27.
 Drapery suspension fixture. C. W. Kirsch. 1,942,712; Jan. 9.
 Draw works. W. D. Davidson. 1,953,339; Apr. 3.
 Draw works. H. L. Turney. 1,979,780; Nov. 6.
 Draw works and cat line winch, Combination. A. J. and K. T. Penick, and A. Cochrum. 1,953,865; Apr. 3.
 Drawworks, Single-shaft gear-driven. A. E. Rice and J. S. Morgan, Jr. 1,944,463; Jan. 23.
 Drawer and shell box. W. D. Eglinton. 1,962,058; June 5.
 Drawer device. M. H. Raggio. 1,985,550; Dec. 25.
 Drawer device for desks and the like. M. H. Raggio. 1,980,824; Nov. 13.
 Drawer, File cabinet. J. C. Seyl. 1,966,689; July 17.
 Drawer, Filing. W. J. Hampton. 1,962,146; June 12.
 Drawer, Filing. F. L. G. Straubel. 1,975,806; Oct. 9.
 Drawer, Filing. F. L. G. Straubel. 1,983,573-4; Dec. 11.
 Drawer for filing cabinets. F. A. Schmitz. 1,959,066; May 15.
 Drawer, Furniture. J. C. Garver. Des. 92,245; May 15.
 Drawer latch. J. R. Clark. 1,963,954; June 26.
 Drawer partition. P. Dennerlein. 1,945,773; Feb. 6.
 Drawer pull. I. S. Keeler. 1,947,942; Feb. 20.
 Drawer pull and label holder, Combined. J. L. Harrington. 1,968,829; Aug. 7.
 Drawer slide, Extension. J. Pipe. 1,981,246; Nov. 20.
 Drawer suspension. A. H. Anderson. 1,963,220; June 19.
 Drawing. J. M. Hotherhall. 1,967,245; July 24.
 Drawing and spinning frame, Combined. W. M. Spring. 1,953,368; Apr. 3.
 Drawing board and the like. T. E. Horst. 1,941,554; Jan. 2.
 Drawing board structure. F. W. Wilhelm. 1,949,521; Mar. 6.
 Drawing compound. W. B. Craig. 1,952,973; Mar. 27.
 Drawing device. R. B. Enright. 1,970,035; Aug. 14.
 Drawing die. A. P. Roux. 1,944,759; Jan. 23.
 Drawing die. H. H. Richardson. 1,932,352; Nov. 27.
 Drawing die. K. Schröter and H. Wolff. 1,957,234; May 1.
 Drawing frame. M. B. Stone and W. P. Williamson. 1,973,581; Sept. 11.
 Drawing implement. R. S. Grant. Des. 93,979; Dec. 4.
 Drawing instrument. O. R. Nichols. 1,979,047; Oct. 30.
 Drawing material. H. E. Braeg. Re19,060; Jan. 23.
 Drawing mechanism for spinning frames and similar machines. R. D. Tarr and E. E. Blake. 1,970,528; Aug. 14.
 Drawing mechanism for wool spinning frames. J. A. Kooistra. 1,973,534; Sept. 11.
 Drawing process for production of round rods. H. Möller. 1,952,560; Mar. 27.
 Drawing table. G. E. Froelich. 1,956,546; Apr. 24.
 Drawing table. R. I. Scheuer. 1,953,026; Mar. 27.
 Drawings, Device for making perspective. W. R. McCoy. 1,969,758; Aug. 14.
 Drawings, Making perspective. T. M. Edison. 1,964,197; June 26.
 Dredge, Double bucket. H. D. Harvey. 1,968,684; July 31.
 Dredge, Hydraulic. A. Kertzman. 1,964,951; July 3.
 Dredger pipe valve. S. G. Plummer. 1,973,929; Sept. 18.
 Dredging container. J. M. Cross. 1,949,357; Feb. 27.
 Dress. J. Abbate. Des. 93,594; Oct. 16.
 Dress. L. Aldrich. Des. 93,595; Oct. 16.
 Dress. J. Barron. Des. 91,751; Mar. 20.
 Dress. Y. Bender. Des. 93,441; Oct. 2.
 Dress. S. Borger. Des. 93,963; Dec. 4.
 Dress. J. L. Caston. Des. 91,382; Jan. 16.
 Dress. A. Goodman. Des. 93,213-5; Sept. 4.
 Dress. A. Goodman. Des. 93,469; Oct. 2.
 Dress. I. Gottlieb. Des. 93,615; Oct. 16.
 Dress. H. J. Greenman. Des. 94,083; Dec. 18.
 Dress. P. Heit. Des. 93,872; Nov. 20.
 Dress. P. Heit. Des. 93,923; Nov. 27.
 Dress. C. Jaccarino. Des. 92,249; May 15.

- Dress. C. Jaccarino. Des. 93,107-8; Aug. 21.
 Dress. E. Mair. Des. 93,936-7; Nov. 27.
 Dress. O. Nathanson. Des. 93,235; Sept. 4.
 Dress. O. Nathanson. Des. 93,238; Sept. 4.
 Dress. O. Nathanson. Des. 93,500-1; Oct. 2.
 Dress. O. Nathanson. Des. 93,941; Nov. 27.
 Dress. M. Porpora. Des. 93,516-17; Oct. 2.
 Dress. D. W. Price. Des. 91,729-37; Mar. 13.
 Dress. D. W. Price. Des. 91,902-3; Apr. 3.
 Dress. D. W. Price. Des. 91,905; Apr. 3.
 Dress. H. Sherman. Des. 92,374; May 29.
 Dress. A. S. Simpson. Des. 93,245-8; Sept. 4.
 Dress. W. S. Woolfe. Des. 93,530; Oct. 2.
 Dress and mouth protector. D. J. Petrucelly. 1,970,622; Aug. 21.
 Dress, Ensemble. M. Extract. Des. 92,649; July 3.
 Dress, Ensemble. T. M. Fritz. Des. 91,932; Apr. 10.
 Dress, Ensemble. O. Nathanson. Des. 92,671-2; July 3.
 Dress, Ensemble. O. Nathanson. Des. 93,234; Sept. 4.
 Dress, Ensemble. O. Nathanson. Des. 93,236-7; Sept. 4.
 Dress, Ensemble. O. Nathanson. Des. 93,502; Oct. 2.
 Dress, Ensemble. D. Platt. Des. 92,315; May 22.
 Dress, Ensemble. D. W. Price. Des. 91,904; Apr. 3.
 Dress, Ensemble. D. W. Price. Des. 91,906; Apr. 3.
 Dress former. L. W. Anderson. 1,978,123; Oct. 23.
 Dress, Knitted. J. Guttman. Des. 93,471-4; Oct. 2.
 Dress or similar article, One piece sport. G. B. Redman. Des. 91,329; Jan. 9.
 Dress preservers, Apparatus for making of seamless. R. Langer. 1,978,542; Oct. 30.
 Dresser, or similar article. H. H. Koster. Des. 91,273; Jan. 2.
 Dressing, Leather. H. M. Ulmer. 1,968,004; July 24.
 Dressing roll. H. H. Wood. 1,953,146; Apr. 3.
 Drier: See—
 Bale drier. Inner tube drier.
 Cake drier. Lingerie drier.
 Chemical drier. Portable drier.
 Clothes drier. Print drier.
 Cotton drier. Razor blade drier.
 Electric drier. Rotary drum drier.
 Fruit drier. Serval drier.
 Hair drier. Warp drier.
 Drier. N. H. Buschman. 1,946,386; Feb. 6.
 Drier. S. A. Coleman. 1,978,341; Oct. 23.
 Drier. F. L. Furbush. 1,947,338; Feb. 13.
 Drier. J. Judelson. 1,955,426; Apr. 17.
 Drier. C. W. Keatley, G. V. Woody, and C. H. Kear. 1,961,226; June 5.
 Drier. R. S. Kent. 1,962,643; June 12.
 Drier. J. F. Lawson. 1,955,301; Apr. 17.
 Drier. W. L. Martin. 1,961,772; June 5.
 Drier. A. O. Moe. 1,943,874; Jan. 16.
 Drier. P. R. Perkins. 1,959,061; May 15.
 Drier. L. R. Rasmussen. 1,946,638; Feb. 13.
 Drier and method for the manufacture of gelatinous substances. T. K. Lowry. 1,981,806; Nov. 20.
 Drier and the like. H. L. Gaison. 1,965,229; July 3.
 Drier apparatus, Curtain. A. L. Bateman. 1,962,889; June 12.
 Drier felts, Apparatus for seaming papermakers'. T. Hindle. 1,976,169; Oct. 9.
 Drier for coating material. F. Meidert. 1,976,182; Oct. 9.
 Drier for curing vegetables, Hot plate. J. H. Fulmer. 1,958,661; May 15.
 Drier for oils, paints, and varnishes. H. A. Bruson, J. D. Robinson, and O. Stein. 1,962,478; June 12.
 Drier for paints and varnishes, Soluble. R. A. Dunham. 1,982,048; Nov. 27.
 Drier or blower. J. E. Kelley. 1,967,713; July 24.
 Drift angle indicator. R. B. Colt. 1,966,850; July 17.
 Drift control for leers and drift responsive means therefor. H. A. Wadman and H. W. McIntosh. 1,973,452; Sept. 11.
 Drifting valve. J. H. and J. W. Hanlon. 1,954,812; Apr. 17.
 Drill: See—
 Coal drill. Mining drill.
 Core drill. Motor drill.
 Dustless rock drill. Rock drill.
 Grain drill. Seed drill.
 Electric drill.
 Drill. A. P. Brush. 1,964,030; June 26.
 Drill. R. Giesey. 1,944,076; Jan. 16.
 Drill. R. Giesey. 1,945,937; Feb. 6.
 Drill. M. C. Kabigting. 1,946,214; Feb. 6.
 Drill. F. K. Landgraf. 1,952,996; Mar. 27.
 Drill. H. C. Norley. 1,974,540; Sept. 25.
 Drill. W. L. Pearce. 1,945,159-60; Jan. 30.
 Drill. J. H. Phillips. 1,968,055; July 31.
 Drill. J. T. Phipps. 1,977,085; Oct. 16.
 Drill. W. C. Rea. 1,943,879-80; Jan. 16.
 Drill. W. C. Rea. 1,970,673; Aug. 21.
 Drill. P. N. Snell, jr. 1,943,699; Jan. 16.
 Drill and attachment therefor. F. Broemme and P. Puder. 1,961,604; June 5.
 Drill and bit, Mining. F. W. Vodoz. 1,945,711; Feb. 6.
 Drill and clean out machine, Rotary. R. L. Rector. 1,956,200; Apr. 24.
 Drill and like implement and making same. J. V. Emmons. Re19,182; May 29.
 Drill, Automatic soil. G. Hantjopoulos. 1,951,192; Mar. 13.
 Drill bit. L. J. Dixon. 1,950,101; Mar. 6.
 Drill bit. G. G. Harrington. 1,962,589; June 12.
 Drill bit. R. R. Sanderson. 1,969,040; Aug. 7.
 Drill bit. W. V. Seifert. 1,974,756; Sept. 25.
 Drill bit, Self-sharpening. W. H. Vaughn. 1,949,591; Mar. 6.
 Drill chuck. R. H. Park. 1,953,830; Apr. 3.
 Drill chuck. A. M. Stoner. 1,985,586; Dec. 25.
 Drill head. L. C. Harsoeg. 1,983,798; Dec. 11.
 Drill head, Universal multiple. A. A. Herzberg, H. O. Schultz, and John S. Tumpak. 1,967,307; July 24.
 Drill mounting. W. A. Smith, sr. 1,954,957; Apr. 17.
 Drill pipe collar or coupling with sealed joints, Rotary. F. J. Hinderliter. 1,961,762; June 5.
 Drill pipe float. R. C. Baker. 1,984,107; Dec. 11.
 Drill pipe protector. M. R. Shipley. 1,974,546; Sept. 25.
 Drill retainer. J. C. Curtis. 1,967,500; July 24.
 Drill rod and detachable bit. C. Lang. 1,984,220; Dec. 11.
 Drill set display. G. W. Kohlmetz. 1,972,742; Sept. 4.
 Drill stand. J. E. Davey. 1,965,032; July 3.
 Drill steel centralizer. J. C. Curtis. 1,967,501; July 24.
 Drill steel centralizer. G. M. Nell. 1,977,349; Oct. 16.
 Drill steel puller. L. T. Stampfli and S. Chiritescu. 1,982,835; Dec. 4.
 Drill tooth, Replaceable. F. McLaughlin. 1,974,117; Sept. 18.
 Drill vise, Portable. L. E. Bailey. 1,944,540; Jan. 23.
 Drilling and injecting apparatus. E. C. Furman and E. F. Heard. 1,971,650; Aug. 28.
 Drilling apparatus. M. C. Allen. 1,985,229; Dec. 25.
 Drilling apparatus. M. F. Holmes. 1,984,373; Dec. 18.
 Drilling apparatus. F. Miller. 1,957,073; May 1.
 Drilling apparatus. W. J. Newman. 1,943,835; Jan. 16.
 Drilling apparatus. G. P. Thomas. 1,958,552; May 15.
 Drilling apparatus. E. Whinnen. 1,972,635-6; Sept. 4.
 Drilling attachment. D. B. Bullard. 1,958,844; May 15.
 Drilling device. W. A. Ross. 1,978,436; Oct. 30.
 Drilling device, Straight hole. V. E. Stroud. 1,941,723; Jan. 2.
 Drilling machine. W. Ferris, E. Wiedman, and D. Clute. 1,978,879; Oct. 30.
 Drilling machine. G. H. Gilman. 1,982,656; Dec. 4.
 Drilling machine. G. Heinisch and L. A. Krupp. 1,941,894; Jan. 2.
 Drilling machine. E. J. Kingsbury. Re19,185; May 29.
 Drilling machine. N. D. Levin. 1,978,368; Oct. 23.
 Drilling machine. J. W. Lee. 1,971,418; Aug. 28.
 Drilling machine. R. H. and F. H. Mueller and L. Condé. 1,956,129; Apr. 24.
 Drilling machine and machine for other purposes, Automatic. R. M. Lovejoy. 1,962,566; June 12.
 Drilling machine and the like. J. G. Hey. 1,977,061; Oct. 16.
 Drilling machine, Automatic. H. D. Corwin. 1,950,597; Mar. 13.
 Drilling mechanism. M. G. Gartin. 1,948,518; Feb. 27.
 Drilling mechanism. E. C. Huffman. 1,955,744; Apr. 24.
 Drilling mechanism. S. C. Moon. 1,954,051; Apr. 10.
 Drilling mechanism. W. A. Smith, sr. 1,981,475; Nov. 20.
 Drilling mechanism. F. W. Vodoz. 1,962,334; June 12.
 Drilling mechanism. F. W. Vodoz. 1,963,039; June 12.
 Drilling mechanism. R. H. Wilhelm. 1,942,014; Jan. 2.
 Drilling structure and circulating pump. S. H. Grinnell and A. C. Rubel. 1,953,287; Dec. 4.
 Drilling tool. M. P. Holmes. 1,984,372; Dec. 18.
 Drilling tool. H. T. Jones. 1,959,919; May 22.
 Drills, Attachment for power. J. H. Bednash. 1,957,439; May 8.
 Drink dispenser. H. L. Blum. 1,969,960; Aug. 14.
 Drink mixer. R. A. Blish. 1,961,657; June 5.
 Drink mixer. J. W. Cox. 1,946,840; Feb. 13.
 Drink mixer. H. W. Miller. 1,973,091; Sept. 11.
 Drink mixer, Automatically timed. H. L. Strongson. 1,946,771; Feb. 13.
 Drink mixer with automatic elevator. H. L. Strongson. 1,968,268; July 31.
 Drinking cup. G. F. Hogan. 1,952,435; Mar. 27.
 Drinking cup. W. H. Inman. 1,975,546; Oct. 2.
 Drinking fountain. H. C. Kellogg. 1,959,866; May 22.
 Drinking fountain. H. W. Taylor. 1,957,862; May 8.
 Drinking fountain, Gravity feed. H. S. Johnson. 1,972,777; Sept. 4.
 Drinking fountain, Water sealed. G. C. Todd and W. H. Swisser. 1,972,366; Sept. 4.
 Drinking set, Liqueur. E. Kanter. Des. 93,403; Sept. 25.
 Drinking vessel or the like. I. F. Scott. Des. 93,243; Sept. 4.
 Drip collector for glasses and the like. W. Quante. 1,953,723; Apr. 3.
 Drip-feed device. E. H. P. Young. 1,980,128; Nov. 6.
 Drive. F. J. Oakes and H. C. Thornbrough. 1,966,831; July 17.
 Drive and braking apparatus, Vehicle. W. F. Rockwell and H. W. Alden. 1,948,397; Feb. 20.
 Drive and dampener, Flexible. E. E. Wemp. 1,978,922; Oct. 30.
 Drive and handle for motion picture cameras, Combined take-up. F. H. Owens. 1,950,691; Mar. 13.
 Drive arrangement for twisting machines with spindles arranged on both sides. W. Lenk. 1,983,038; Dec. 4.
 Drive assembly for stokers. H. C. Carter. 1,962,707; June 12.
 Drive, Belt. F. D. Jones. 1,978,582; Oct. 30.
 Drive, Car generator. F. L. Morse. 1,951,624; Mar. 20.
 Drive chain. F. L. Morse. 1,951,764; Mar. 20.

- Drive control device for stokers. V. G. Leach. 1,968,407; July 31.
- Drive controlling mechanism. J. E. Peterson. 1,966,081; July 10.
- Drive coupling. U. G. Thomas. 1,975,877; Oct. 9.
- Drive coupling for fluid pumps. W. H. Tabor. 1,982,971; Dec. 4.
- Drive device, Constant speed. L. C. Packer. 1,953,309; Apr. 17.
- Drive device, Friction. A. P. Lewis. 1,979,561; Nov. 6.
- Drive, Differential friction. R. H. Schultz, A. J. Siebert, and L. C. Borloz. 1,953,510; Apr. 3.
- Drive, Electric. W. C. Harris. 1,957,208; May 1.
- Drive, Electric. F. W. Merrill. 1,964,589; June 26.
- Drive, Electric. O. Richter. 1,960,552; May 29.
- Drive for breaker-lapper, Extension. A. J. Blackwood and C. R. Harris. 1,982,414; Nov. 27.
- Drive for centrifugal spinning machines, Thread guide. O. Bochmann. 1,974,482; Sept. 25.
- Drive for domestic utility devices, Electric. W. Weimers. 1,980,651; Nov. 13.
- Drive for drill pipe. J. C. Fortune. 1,985,367; Dec. 25.
- Drive for engines, Reduction. O. L. Snyder. 1,953,199; Apr. 8.
- Drive for fans and the like. G. de Bothezat. 1,985,022; Dec. 18.
- Drive for grinding machines, Hydraulic. F. S. Haas. 1,976,122; Oct. 9.
- Drive for household utensils. W. Barber. 1,958,605; May 15.
- Drive for internal combustion engines, Supercharger. A. V. D. Willgoos. 1,951,045; Mar. 13.
- Drive for machine tools, Hydraulic. J. K. Douglas. 1,943,061; Jan. 9.
- Drive for machine tools, Hydraulic. W. and J. P. Ferris. 1,983,900; Dec. 11.
- Drive for motor vehicles. G. Morgan. 1,956,583; May 1.
- Drive for motor vehicles, Flexible four wheel. R. Whitford. 1,983,203; Dec. 4.
- Drive for reciprocating elements, Motor fluid. C. B. Cottrell, 3d. 1,961,923; June 5.
- Drive for rolls, Differential. S. G. Bevis. 1,968,278; July 31.
- Drive for speed indicators. J. G. Degerth. 1,956,497; Apr. 24.
- Drive for spinning frames, Two speed. J. L. Truslow. 1,965,163; July 3.
- Drive for the spindle of boring machines or other machine tools, Special high speed. H. M. Lucas and H. N. Stephan. 1,947,862; Feb. 20.
- Drive, Front. N. W. Race. 1,950,567; Mar. 13.
- Drive gearing for shovel cranes. A. G. Wittberger. 1,969,285; Aug. 7.
- Drivehead, Repulper. R. E. Tanner. 1,977,653; Oct. 23.
- Drive, Intermittent. A. R. Scholin. 1,975,126; Oct. 2.
- Drive means. V. H. Winquist. 1,958,121; May 8.
- Drive mechanism, Flexible. R. P. Jackson. 1,966,246; July 10.
- Drive mechanism for centrifugal buckets. W. C. Volk. 1,948,834; Feb. 27.
- Drive mechanism for rolling mills and the like. W. R. Carroll. 1,962,581; June 12.
- Drive mechanism for taximeters. F. Hennig. 1,947,937; Feb. 20.
- Drive mechanism for trailers, Service. E. H. Allen. 1,976,978; Oct. 16.
- Drive mechanism, Intermittent. G. Rausch. 1,964,081; June 26.
- Drive mechanism, Reciprocating. A. L. Ellis. 1,947,253; Feb. 13.
- Drive mechanism, Variable. G. W. Swift, jr. 1,951,536; Mar. 20.
- Drive of machines for casting stereotype plates. K. Schaeffelin. 1,983,814; Dec. 11.
- Drive, Press roll. J. J. Farrell. 1,983,126; Dec. 4.
- Drive, Progressive paper machine. J. A. Limpert. 1,977,070; Oct. 16.
- Drive, Railroad car. A. A. Dahms. 1,985,766; Dec. 25.
- Drive, Reverse. S. L. Brown. 1,963,775; June 19.
- Drive, Speedometer. G. W. Harper. 1,958,788; May 15.
- Drive, Spinning frame. P. B. Reeves. 1,985,838; Dec. 25.
- Drive, Variable proportioner. W. T. Sherman. 1,967,690; July 24.
- Drive, Variable speed. G. F. Allen. 1,985,135; Dec. 18.
- Drive, Variable speed. C. E. Ives. 1,983,132; Dec. 4.
- Drive, Variable speed. H. E. Waner. 1,984,507; Dec. 18.
- Drives for ships, Controlling electric. G. Mitzlaff and R. Bruderlink. 1,983,917; Dec. 11.
- Driving and clutch mechanism for washing machines. A. W. Altorfer. 1,985,273; Dec. 25.
- Driving and control mechanism for a reciprocated member, Hydraulic. S. W. Bath. 1,946,348; Feb. 6.
- Driving and stopping mechanism. F. B. Keall. 1,972,998; Sept. 11.
- Driving apparatus for sound films. F. Ehrenhaft. 1,983,276; Dec. 4.
- Driving arrangement for shuttles, especially loop shuttles. R. Rossmann. 1,945,996; Feb. 6.
- Driving cap for fence posts. H. E. Austin. 1,964,657; June 26.
- Driving connection. W. H. Bosworth. 1,959,777; May 22.
- Driving device, Electrically operated. F. Döring and K. Müller. 1,978,700; Oct. 30.
- Driving device for clamping chucks and the like, Hydraulic. K. Milotta. 1,968,700; July 31.
- Driving device for propelling vehicles. G. R. Cassagne. 1,966,846; July 17.
- Driving device for the charging slide in friction wheel spindle presses. A. Franke. 1,953,218; Apr. 3.
- Driving device, Vibration cushioning. E. J. Dumm. 1,967,052; July 17.
- Driving gear. A. Lohmann. 1,950,149; Mar. 6.
- Driving-locking mechanism. J. Verderber. 1,946,049; Feb. 6.
- Driving-locking-releasing means. G. E. Swartz. 1,982,886; Dec. 4.
- Driving means for slicing machine knives. W. A. van Berkel. 1,941,519; Jan. 2.
- Driving mechanism. A. L. Barnes. 1,967,547; July 24.
- Driving mechanism. R. W. Clifford. 1,941,464; Jan. 2.
- Driving mechanism. A. L. Ellis and D. R. Francis. 1,955,540; Apr. 17.
- Driving mechanism. A. Eppler, jr. 1,978,526; Oct. 30.
- Driving mechanism. E. R. Frost. 1,981,167; Nov. 20.
- Driving mechanism. C. H. Havill. 1,949,203; Feb. 27.
- Driving mechanism. B. Kacer and M. Nohel. 1,981,805; Nov. 20.
- Driving mechanism. N. S. Lincoln. 1,964,956; July 3.
- Driving mechanism. C. A. Miller. 1,961,300; June 5.
- Driving mechanism. R. M. Nardone. 1,979,170; Oct. 30.
- Driving mechanism. E. B. Nowosielski. 1,974,216; Sept. 18.
- Driving mechanism. A. Rosner. 1,985,645; Dec. 25.
- Driving mechanism. C. J. P. Small. 1,956,733; May 1.
- Driving mechanism. C. R. Waseige. 1,946,956; Feb. 13.
- Driving mechanism. E. E. Wemp. 1,985,126; Dec. 18.
- Driving mechanism, automatic. C. L. Putney. 1,969,990; Aug. 14.
- Driving mechanism, Electrically controlled. G. Laganas. 1,961,882; June 5.
- Driving mechanism, Flexible. F. W. Baker. 1,946,661; Feb. 13.
- Driving mechanism for aircraft. H. Junkers. 1,965,742; July 10.
- Driving mechanism for dyeing machines. J. E. Peterson. 1,955,605; Apr. 17.
- Driving mechanism for engine starters. C. T. Cunniss. 1,950,296; Mar. 6.
- Driving mechanism for engine starters. C. T. Cunniss. 1,974,985; Sept. 25.
- Driving mechanism for motion-picture projectors. A. Dina. 1,949,454; Mar. 6.
- Driving mechanism for motor vehicles. R. E. Fielder. 1,951,089; Mar. 13.
- Driving mechanism for motor vehicles. J. Schick. 1,952,223; Mar. 27.
- Driving mechanism for revolving needle bars of combing and gilling machines. P. Van Hille. 1,979,509; Nov. 6.
- Driving mechanism for rotary braiders. F. Autem. 1,949,854; Mar. 6.
- Driving mechanism for sound recording and reproducing system. L. A. Elmer. 1,968,438; July 31.
- Driving mechanism for spinning frames. J. A. Kooistra. 1,973,348; Sept. 11.
- Driving mechanism for steering wheels of motor vehicles. A. W. Herrington. 1,981,173; Nov. 20.
- Driving mechanism for stokers. J. Van Brunt. 1,975,489; Oct. 2.
- Driving mechanism for textile edge folding machines. E. B. Roby. 1,969,820; Aug. 14.
- Driving mechanism, Intermittent. N. B. Galkin. 1,985,406; Dec. 25.
- Driving mechanism, Intermittent. A. E. Hine. 1,942,028; Jan. 2.
- Driving mechanism, Resilient. C. N. Knappe. 1,958,894; May 15.
- Driving of auxiliary apparatus on railway vehicles. J. Gordon. 1,944,599; Jan. 23.
- Driving wheel center. A. C. Wintemberg. 1,960,039; May 22.
- Drop cloth holder. A. B. Person. 1,944,610; Jan. 23.
- Drop leaf table. E. P. Charak. 1,969,875; Aug. 14.
- Drop wire frame. R. Booth. 1,957,520; May 8.
- Dropper. L. Chilson. 1,963,886; June 19.
- Dropper, Cooky paste. M. A. Gerola. 1,961,966; June 5.
- Drug, Self contained pH indicating. G. C. Shivers. 1,951,563; Mar. 20.
- Drum. P. G. Peters. 1,980,876; Nov. 13.
- Drum and tube extensions, Boiler. H. J. Kerr. 1,969,373; Aug. 7.
- Drum closure. R. W. Lahev. 1,966,070; July 10.
- Drum, Collapsible. T. H. Williams. 1,946,449; Feb. 6.
- Drum construction. A. E. Rice and J. S. Morgan, jr. 1,975,975; Oct. 9.
- Drum for holding flexible typeholding chases. F. H. Poeppelmeier. 1,972,105; Sept. 4.
- Drum frictioning device. R. J. O. Simpson. 1,977,863; Oct. 23.
- Drum mixing machine, Side by side. E. L. Tranaas. 1,979,915; Nov. 6.
- Drum operating mechanism for portable cranes. T. N. Garson. 1,979,612; Nov. 6.
- Drum, Sheet metal shipping. C. H. Rollason. 1,969,524; Aug. 7.
- Drum stick attachment. W. F. Ludwig. 1,953,619; Apr. 3.
- Drum weir. B. H. Kersting. 1,952,501; Mar. 27.

- Drum winder, Four. W. A. Bessmer and A. J. Aubin. 1,951,182; Mar. 13.
- Drum with removable head for vapors under pressure. H. J. Kerr, J. Prentice, and W. A. Jones. 1,958,582; May 15.
- Drums, Making shipping. E. E. Shanor and C. W. Mardersteck. 1,980,960; Nov. 13.
- Dry cell. R. R. Smith. Re19,283; Aug. 21.
- Dry cell. R. R. Smith. 1,949,586; Mar. 6.
- Dry cell and terminal therefor. A. F. Rock. 1,971,275; Aug. 21.
- Dry cells, Sealing. C. P. Deibel. 1,971,254; Aug. 21.
- Dry cleaning machine. J. L. Snyder. 1,975,982; Oct. 9.
- Dry gas holder. W. Pechstein. 1,965,536; July 3.
- Dry gas meter. F. von Schütz. 1,962,044; June 5.
- Dry material feeding machine, Compound. E. W. Bacharach. 1,947,441; Feb. 20.
- Dry pipe valve. A. C. Kowley. 1,955,685; Apr. 17.
- Dry placer machine. J. B. Emberly. 1,952,662; Mar. 27.
- Dry stack condenser. S. H. Boss. 1,952,580; Mar. 27.
- Drying and washing reel. J. W. McGee. 1,976,242; Oct. 9.
- Drying apparatus. E. Bleibler. 1,985,219; Dec. 18.
- Drying apparatus. H. E. Dietrich. 1,976,438; Oct. 9.
- Drying apparatus. H. Haas. 1,950,942; Mar. 13.
- Drying apparatus. T. G. Johnson. 1,966,629; July 17.
- Drying apparatus. F. Stebler. 1,982,082; Nov. 27.
- Drying apparatus and method. R. T. Poole. 1,968,910; Aug. 7.
- Drying apparatus, Cylindrical. G. J. H. van Kuyk. 1,967,793; July 24.
- Drying apparatus for malt and similar grain. G. and M. Pellegrino. 1,950,263; Mar. 6.
- Drying filter. C. W. Moore and C. W. Crumb. 1,943,618; Jan. 16.
- Drying-frame. E. C. M. Eklund. 1,943,726; Jan. 16.
- Drying machine. O. J. Fischer. 1,976,280; Oct. 9.
- Drying machine. H. L. Galson and H. H. Belcher. 1,966,405; July 10.
- Drying machine. B. A. Parkes. 1,942,828; Jan. 9.
- Drying machine. C. Stecher. 1,985,697; Dec. 25.
- Drying plant for moist substances. W. Ponndorf. 1,959,304; May 15.
- Drying process. P. S. Greer. 1,974,069; Sept. 18.
- Drying rack. G. Murray. 1,962,205; June 12.
- Drying, stretching, and finishing machine, Circular. B. A. Parkes. 1,963,672; June 19.
- Dual action deluge valve. E. A. Lowe. 1,941,700; Jan. 2.
- Dual adjustable lock. D. Hayland. 1,948,174; Feb. 20.
- Dual back, Water valve. L. J. Sander. 1,969,427; Aug. 7.
- Dual compartment bag. E. A. Prucha. 1,975,404; Oct. 2.
- Dual container. C. B. Strauch. 1,979,777; Nov. 6.
- Dual disk wheel. C. L. Eksergian. 1,963,229; June 19.
- Dual piston engine. G. R. Smith. 1,972,497; Sept. 4.
- Dual pneumatic wheel. F. W. Burge. 1,971,327; Aug. 28.
- Dual production and cost control recorder. M. J. Hoffman. 1,978,901; Oct. 30.
- Dual temperature regulator. E. K. Clark. 1,985,018; Dec. 18.
- Dual tire wheel. G. F. Scheckler. 1,948,136; Feb. 20.
- Dual wheel. F. W. Burger. 1,948,614; Feb. 27.
- Dual wheel. W. Christie. 1,980,849; Nov. 13.
- Dual wheel. A. W. Woodward. 1,981,639; Nov. 20.
- Dumb waiter system, Noiseless. C. C. Lundberg and F. E. Sparring. 1,978,273; Oct. 23.
- Dump baller for cementing wells. H. E. Winter. 1,954,608; Apr. 10.
- Dump body. R. E. Smith. 1,959,504; May 22.
- Dump body. J. F. Wright. 1,967,568; July 24.
- Dump body. T. E. Wright. 1,942,819; Jan. 2.
- Dump body, Self-locking. W. T. Stephens. 1,960,833; May 29.
- Dump car for mines and the like. H. J. Hick. 1,966,390; July 10.
- Dump, Grain. C. L. Trapp. 1,968,624; July 31.
- Dumper, Hydraulic three-way. F. Smith. 1,965,476; July 3.
- Dumping body, Hydraulic. W. C. Anthony and L. Wachter. 1,942,402; Jan. 9.
- Dumping body, Three way. E. R. Barrett. 1,955,167; Apr. 17.
- Dumping mechanism. C. G. Eisenberg, jr. 1,944,414; Jan. 23.
- Duplex boiler. T. B. Stillman. 1,955,777; Apr. 24.
- Duplex centrifugal machine. J. L. Tufts. 1,950,528; Mar. 13.
- Duplex dead end. F. B. Wiegand. 1,960,610; May 29.
- Duplicating block. G. Thyssen. 1,980,560; Nov. 13.
- Duplicating device. H. J. Reardon. 1,979,811; Nov. 6.
- Duplicating device. W. Trull and L. Clement. 1,975,488; Oct. 2.
- Duplicating device. R. Weide. 1,954,550; Apr. 10.
- Duplicating imprinted matter, Apparatus for. F. W. Storck. 1,964,933; July 3.
- Duplicating machine. R. Besocke. 1,956,611; May 1.
- Duplicating machine. U. I. T. Blomberg. 1,944,165; Jan. 23.
- Duplicating machine. H. S. Broom. 1,968,738; July 31.
- Duplicating machine. C. H. Bratt. 1,983,517; Dec. 11.
- Duplicating machine. J. K. Duncan. 1,972,681; Sept. 4.
- Duplicating machine. J. K. Duncan and K. M. Henderson. 1,963,120; June 19.
- Duplicating machine. J. K. Duncan, D. H. Whitehead, and N. T. Shepherd. 1,972,731; Sept. 4.
- Duplicating machine. J. J. Flanagan. 1,955,059; Apr. 17.
- Duplicating machine. J. J. Flanagan. 1,972,380; Sept. 4.
- Duplicating machine. F. Lee and G. F. Daly. 1,976,618; Oct. 9.
- Duplicating machine. L. J. Miller. 1,965,295; July 3.
- Duplicating machine. L. J. Miller. 1,974,874; Sept. 25.
- Duplicating machine. I. M. Newgard. 1,952,629; Mar. 27.
- Duplicating machine. G. Sabik and S. Offer. 1,979,285; Nov. 6.
- Duplicating machine. L. J. Sauer. 1,962,671; June 12.
- Duplicating machine. L. W. Wagner. 1,951,954; Mar. 20.
- Duplicating machines, Right and left attachment for. J. C. and R. D. Shaw. 1,960,757; May 29.
- Duplicating method and apparatus. O. E. Williams. 1,981,794; Nov. 20.
- Duplicating system for the purpose of supervising electrical distributing systems, Luminous. M. Schleicher. 1,983,311; Dec. 4.
- Duplicator. F. F. Fecher. 1,949,154; Feb. 27.
- Duplicator. F. F. Fecher. 1,974,266; Sept. 18.
- Duplicator. S. Horii. 1,951,934; Mar. 20.
- Duplicator. H. K. Lorentzen. Re19,082; Feb. 13.
- Duplicator carriage construction. L. J. Sauer. 1,965,810; July 10.
- Duplicator feeder. H. Jagger. 1,960,490; May 29.
- Duplicator, Rotary. J. K. Duncan and C. N. Johnson. 1,961,285; June 5.
- Duplicator, Rotary. C. N. Johnson. 1,972,421; Sept. 4.
- Dust bag. B. Kern. 1,970,043; Aug. 14.
- Dust collecting apparatus. M. A. Eiben. 1,974,952; Sept. 25.
- Dust collecting apparatus for belt conveyers. A. B. Osgood. 1,963,375; June 19.
- Dust collecting bag. M. A. Eiben. 1,969,261; Aug. 7.
- Dust collector. H. W. Krag. 1,941,988; Jan. 2.
- Dust collector for drills. S. Price. 1,951,570; Nov. 20.
- Dust collector, Self-cleaning. E. F. Annis. 1,949,002; Feb. 27.
- Dust deflector. G. S. Kelley. 1,969,513; Aug. 7.
- Dust deflector. G. S. Kelley. 1,972,846; Sept. 4.
- Dust eliminator. H. L. Friedman and M. Pollock. 1,985,157; Dec. 18.
- Dust eliminator for electric motors. B. B. Ramey. 1,972,315; Sept. 4.
- Dust exhausting apparatus. O. Schreiber. 1,980,763; Nov. 13.
- Dust extraction apparatus. H. F. Hebley and K. Prins. 1,977,479; Oct. 16.
- Dust filter, Heating and humidifying. R. C. Bender. 1,954,981; Apr. 17.
- Dust losses from shaft furnaces, Reducing the. G. Eichenberg and N. Wark. 1,941,545; Jan. 2.
- Dust mop or oil mop cleaner. J. H. Marshall. 1,943,449; Jan. 16.
- Dustpan. T. N. Badger. 1,982,849; Dec. 4.
- Dustpan. F. E. Stover. 1,982,182; Nov. 27.
- Dustpan attachment for brooms. A. Ozdobinski. 1,984,491; Dec. 18.
- Dust particles and liquid globules, Separating and collecting. T. B. Collins. 1,970,077; Aug. 14.
- Dust protector for track rollers, etc. J. J. Tracy. 1,959,697; May 22.
- Dust quencher for water gas apparatus and the like. G. C. Pfaff. 1,980,499; Nov. 13.
- Dust removal device. T. F. Hatch. 1,981,356; Nov. 20.
- Dust remover for scrap bunch cigar machines. J. P. Durning. 1,981,497; Nov. 20.
- Dust-removing device. G. A. Schettler. 1,952,144; Mar. 27.
- Dust separator. W. Alexander. 1,960,887; May 29.
- Dust separator. T. C. Bieth. 1,946,665; Feb. 13.
- Dust separator. J. B. Taylor. 1,948,363; Feb. 20.
- Duster. J. Glover. 1,975,935; Oct. 9.
- Dusting machine. R. R. Root. 1,964,176; June 26.
- Dye and its preparation, Azo. M. A. Dahlen. 1,976,010; Oct. 9.
- Dye and its preparation, Azo. M. A. Dahlen and M. E. Friedrich. 1,972,873; Sept. 11.
- Dye and its preparation, Azo. A. H. Knight. 1,975,609; Oct. 2.
- Dye and its preparation, Azo. F. H. Smith and C. K. Black. 1,976,044; Oct. 9.
- Dye and making same, Azo. E. F. Grether and L. E. Mills. 1,984,739; Dec. 18.
- Dye and preparing it, Selenazolinecarbocyanine. F. L. White. 1,957,869; May 8.
- Dye and preparing it, Thiazoline. L. G. S. Brooker. 1,950,876; Mar. 13.
- Dye and preparing same, Azo. H. Jordan and M. A. Dahlen. 1,963,133; June 19.
- Dye, Azo. W. Lange and U. Dreyer. 1,980,539; Nov. 13.
- Dye, Azo. M. Mendoza. 1,975,611; Oct. 2.
- Dye, Azo. H. E. Woodward. 1,947,027; Feb. 13.
- Dye intermediates, Water-soluble azo. F. B. Holmes and M. A. Dahlen. 1,979,327; Nov. 6.
- Dyed article and dyeing the same. E. Sherwood. 1,952,612; Mar. 27.
- Dyeing. H. L. Baker. 1,979,818; Nov. 6.
- Dyeing and printing of acetate silk. K. Holzach and G. von Rosenberg. 1,969,464; Aug. 7.
- Dyeing and printing textile material. M. A. Dahlen and F. Zwilmeyer. 1,968,879; Aug. 7.
- Dyeing and the like. D. A. W. Fairweather and J. Thomas. 1,943,787; Jan. 16.

- Dyeing apparatus. D. Greco. 1,966,385; July 10.
 Dyeing apparatus. O. U. Zerk. 1,959,753; May 22.
 Dyeing intermediate and its production. M. A. Dahlen and F. Zwilmeyer. 1,968,878; Aug. 7.
 Dyeing machine. G. E. Drum and W. H. Jaxheimer. 1,965,694; July 10.
 Dyeing of textile materials. C. Dreyfus. 1,968,819; Aug. 7.
 Dyeing preparation and its conversion to dyestuffs. A. Zitscher, W. Seidenfaden, and K. Jellinek. 1,968,923; Aug. 7.
 Dyeing preparation and its conversion to dyestuffs. A. Zitscher and W. Seidenfaden. 1,970,070; Aug. 14.
 Dyeing preparations and their conversion into dyestuffs. A. Zitscher and W. Seidenfaden. 1,959,995; May 22.
 Dyeings and printings. Preparing. R. Fischer and H. Freund. 1,951,571; Mar. 20.
 Dyeings on textile fibers. Production of fast. N. H. Haddock and C. H. Lumsden. 1,955,287; Dec. 25.
 Dyes and dyeing. D. A. W. Fairweather and J. Thomas. 1,962,142; June 12.
 Dyes and making same. Sulphur. R. W. Hess. 1,978,083; Oct. 23.
 Dyes and making the same. Azo. G. H. Ellis. 1,972,138; Sept. 4.
 Dyes and their preparation. Azo. S. Coffey and R. W. Everatt. 1,975,223; Oct. 2.
 Dyes and their preparation. Azo. H. Jordan and M. A. Dahlen. 1,975,160; Oct. 2.
 Dyes and their preparation. Azo. A. H. Knight. 1,975,233; Oct. 2.
 Dyes and their preparation. Azo. M. Mendoza and J. Hannon. 1,975,166; Oct. 2.
 Dyes and their preparation. Azo. A. R. Murphy. 1,965,201; July 3.
 Dyes and their preparation. Azo. H. E. Woodward. 1,947,028; Feb. 13.
 Dyes and their preparation. Azo. H. E. Woodward. 1,962,226; June 12.
 Dyes. Azo. E. F. Fitch. 1,947,550; Feb. 20.
 Dyes. Azo. W. Lange. 1,947,945; Feb. 20.
 Dyes. Azo. H. Wenker. 1,975,340; Oct. 2.
 Dyes, Diaminotriarylmethane. O. Böger and O. Meissner. 1,959,455; May 22.
 Dyes for treating goods to alter the colors thereof. Selecting. L. T. Howells. 1,964,760; July 3.
 Dyes of the anthraquinonyl-amino anthraquinone-acridone series and their production. R. J. Goodrich and I. Gubelmann. 1,972,094; Sept. 4.
 Dyes of the azine series. Manufacture of. O. Siebert and W. Benade. 1,960,351; May 29.
 Dyes, Manufacturing readily soluble basic. W. Müller and O. Böger. 1,978,755; Oct. 30.
 Dyes, Preparation of naphthoquinone. H. T. Bucherer. 1,977,982; Oct. 23.
 Dyes, Preparation of sulphur. H. A. Lubs and G. C. Strouse. 1,944,250; Jan. 23.
 Dyes, Production and use of anthracene. R. F. Thomson, I. B. Anderson, and S. Thornley. 1,972,960; Sept. 11.
 Dyes, Water-insoluble azo. G. Reddelien, H. Ohlendorf, and K. Holzach. 1,978,763; Oct. 30.
 Dyestuff and color lakes made therefrom. Azo. H. Wagner. 1,951,298; Mar. 13.
 Dyestuff and dyestuff intermediates. D. C. R. Jones and R. F. Thomson. 1,948,116; Feb. 20.
 Dyestuff and fiber dyed therewith, Water-insoluble azo. A. Zitscher. 1,957,572; May 8.
 Dyestuff and its preparation. Azo. M. A. Dahlen. 1,975,830; Oct. 9.
 Dyestuff and obtaining same. Anthraquinone. A. Wolfram and E. Hausdörfer. 1,980,025; Nov. 6.
 Dyestuff. Anthraquinone. P. Nawiasky and A. Ehrhardt. 1,970,669; Aug. 21.
 Dyestuff. Azo. H. Winkler, H. Reindel, and G. F. von Rosenberg. 1,949,228; Feb. 27.
 Dyestuff capable of being chromed. Acid orthohydroxy azo. K. Zahn and H. Koch. 1,979,061; Oct. 30.
 Dyestuff containing a chrysene nucleus. Azo. A. Bergdolt and A. Schmelzer. 1,984,722; Dec. 18.
 Dyestuff insoluble in water and fiber dyed therewith. Azo. L. Laska and A. Zitscher. 1,970,662; Aug. 21.
 Dyestuff of the anthraquinone-acridone series. I. Gubelmann, R. J. Goodrich, and W. Dettwyler. 1,972,095; Sept. 4.
 Dyestuff of the anthraquinone-acridone series and preparing the same. W. Dettwyler and I. Gubelmann. 1,969,210; Aug. 7.
 Dyestuff of the anthraquinone series and making same. G. Kalischer and E. Honold. 1,957,599; May 8.
 Dyestuff of the anthraquinone series and preparing the same. C. Shaw, G. C. Semple, and R. F. Thomson. 1,969,044; Aug. 7.
 Dyestuff of the diazine series. W. Vogt and E. Huber. 1,979,667; Nov. 6.
 Dyestuff of the thioindigo series. F. Wieners. 1,972,177; Sept. 4.
 Dyestuff mixture. J. Mueller. 1,981,242; Nov. 20.
 Dyestuff paste. Vat. I. Gubelmann. 1,977,272; Oct. 16.
 Dyestuff paste. Vat. O. Stallmann. 1,977,250; Oct. 16.
 Dyestuff paste. Vat. O. Stallmann. 1,977,252; Oct. 16.
 Dyestuff preparation. A. Hagenböcker and R. Brune. 1,945,484; Jan. 30.
 Dyestuff preparation. Sulphur. H. Berthold. 1,964,309; June 26.
 Dyestuff preparations. Vat. H. Berthold. 1,963,967; June 26.
 Dyestuff. Triarylmethane. L. P. Kyrides. 1,970,607; Aug. 21.
 Dyestuff. Water-insoluble azo. W. Neelmeier and W. Lamberz. 1,976,187; Oct. 9.
 Dyestuffs. Acid wool azo. E. Fischer. 1,980,515; Nov. 13.
 Dyestuffs and fiber dyed therewith. Azo. A. Zitscher, H. Morschel, and W. Luce. 1,944,539; Jan. 23.
 Dyestuffs and fiber dyed therewith. Water-insoluble mono-azo. L. Laska and A. Zitscher. 1,961,519; June 5.
 Dyestuffs and making same. Metalliferous azo. F. Straub and H. Mayer. 1,959,844; May 22.
 Dyestuffs and making the same. Indigoid vat. J. Müller and R. Stocker. 1,947,653; Feb. 20.
 Dyestuffs and the application thereof. Manufacture of new. H. C. Olpin. 1,970,246; Aug. 14.
 Dyestuffs and their application. Anthraquinone. N. H. Haddock, F. Lodge, and C. H. Lumsden. 1,975,061; Sept. 25.
 Dyestuffs and their production. Manufacture of primary disazo. B. Richard. 1,950,952; Mar. 13.
 Dyestuffs, Anthraquinone. B. Stein. 1,957,858; May 8.
 Dyestuffs, Azo. M. A. Dahlen. 1,978,783; Oct. 30.
 Dyestuffs. Azo. K. Holzach and G. von Rosenberg. 1,969,463; Aug. 7.
 Dyestuffs, Azo. H. Krzikalla and A. Kirsch. 1,958,758; May 15.
 Dyestuffs, Azo. G. Schrader, A. Schmelzer, and F. Bal-lauf. 1,967,373; July 24.
 Dyestuffs containing chromium and making same. Ortho-hydroxyazo. F. Straub and W. Widmer. 1,959,507; May 22.
 Dyestuffs containing copper. Preparing azo. D. Delfs and R. Knoche. 1,957,580; May 8.
 Dyestuffs derived from cyano acetic acid. O. Wahl. 1,950,421; Mar. 13.
 Dyestuffs, Disazo. G. Niemann. 1,959,733; May 22.
 Dyestuffs, Disazo. A. Sieglitz and K. Stenger. 1,953,512; Apr. 3.
 Dyestuffs, Indigoid. E. Hoffa and H. Heyna. 1,959,474; May 22.
 Dyestuffs, Manufacture of yellow mordant. E. Bodmer and F. Neitzel. 1,984,110; Dec. 11.
 Dyestuffs, Manufacturing sulphur. G. Kalischer and H. Ritter. 1,952,029; Mar. 20.
 Dyestuffs, Manufacturing vat. G. Matscher. 1,960,186; May 22.
 Dyestuffs, New indigoid vat. W. Zerweck and W. Hech-tenberg. 1,961,628; June 5.
 Dyestuffs, New indigoid vat. W. Zerweck and W. Hech-tenberg. 1,983,888; Dec. 11.
 Dyestuffs, New intermediate product for azo. R. Stüsser. 1,985,556; Dec. 25.
 Dyestuffs of the anthraquinone series. K. Weinand and H. Hertlein. 1,984,715; Dec. 18.
 Dyestuffs of the anthraquinone-acridone series and pre-paring them. Vat. G. Kränzlein, H. Vollmann, H. Boedeker, and H. Becker. 1,944,986; Jan. 30.
 Dyestuffs of the anthraquinone series. Acid wool. C. Taube, L. Zeh, and J. Hilger. 1,973,025; Sept. 11.
 Dyestuffs of the anthraquinone series and making same. Acid wool. E. Stein and E. Honold. 1,968,178; July 31.
 Dyestuffs of the benzantraquinone acridine series and making them. H. Neresheimer. 1,984,941; Dec. 18.
 Dyestuffs of the benzantraquinone acridine series and making them. Vat. H. Wolff. 1,973,787; Sept. 18.
 Dyestuffs of the benzantraquinone series and preparing the same. Vat. E. T. Howell. 1,947,047; Feb. 13.
 Dyestuffs of the dibenzanthrone series and making same. Vat. D. C. R. Jones, I. B. Anderson, and R. F. Thom-son. 1,974,817; Sept. 25.
 Dyestuffs of the dibenzanthrone series. Preparing vat. O. Stallmann. 1,950,366; Mar. 6.
 Dyestuffs of the dibenzopyrenequinone series. Vat. M. A. Kunz and K. Koerberle. 1,952,677; Mar. 27.
 Dyestuffs of the dibenzopyrenequinone series. Vat. M. A. Kunz, G. Kränzlein, K. Koerberle, M. Corell, E. Berthold, and H. Vollmann. 1,957,892; May 8.
 Dyestuffs of the dibenzopyrenequinone series. Vat. M. A. Kunz, G. Kränzlein, K. Koerberle, M. Corell, E. Berthold, and H. Vollmann. 1,959,679; May 22.
 Dyestuffs of the dipyrzole-anthranyl series. Vats. M. A. Kunz and K. Koerberle. 1,948,178; Feb. 20.
 Dyestuffs of the pyranthrone series and making the same. J. Deinet. 1,975,258; Oct. 2.
 Dyestuffs of the stilbene series and making same. Azo. A. Gressly. 1,982,159; Nov. 27.
 Dyestuffs, Production of nitrogenous vat. M. A. Kunz and K. Koerberle. 1,967,363; July 24.
 Dyestuffs, Production of pyranthrone. W. M. Murch. 1,945,405; Jan. 30.
 Dyestuffs, Water-insoluble disazo. H. Eichwede. 1,977,936; Oct. 23.
 Dynamite composition. Gelatin. N. G. Johnson and C. A. Woodbury. 1,963,622; June 19.
 Dynamometer. A. S. Dysart, C. E. Fraser, and J. Lind. 1,984,635; Dec. 18.
 Dynamometer, Electrical. R. J. Norton. 1,946,099-100; Feb. 6.
 Dynamometric determinations. Apparatus for making ac-curate. J. Tracy. 1,944,334; Jan. 23.
 Ear cleaning implement. S. Reiss. 1,980,826; Nov. 13.
 Ear exercising device. J. P. Davenport. 1,983,737; Dec. 11.

- Ear-muff. S. D. Abraham. Des. 92,566; June 26.
 Earphone. S. F. Lybarger. 1,983,178; Dec. 4.
 Ear protector. A. Gordon. 1,945,110; Jan. 30.
 Ear protector. C. M. Sutton. Des. 91,794; Mar. 20.
 Earring. W. P. Brush. 1,973,282; Sept. 11.
 Earring. E. J. Shea. 1,973,652; Oct. 30.
 Earring. Loss-preventing. P. Timen and J. Acito. 1,985,809; Dec. 25.
 Earring retainer. E. M. Gould. 1,971,216; Aug. 21.
 Ear screen or guard. R. K. Burritt. 1,973,330; Sept. 11.
 Earth bore surveying instrument. F. Rieber. 1,981,665; Nov. 20.
 Earth boring apparatus. A. H. Collins. 1,945,258; Jan. 30.
 Earth boring apparatus. C. E. Reed. 1,956,729; May 1.
 Earth boring apparatus. E. A. Smith. 1,971,922; Aug. 28.
 Earth boring, Method and apparatus for controlling the angle in. F. F. Hill. 1,944,838; Jan. 23.
 Earth drilling system. F. W. Hild. 1,962,346; June 12.
 Earth leakage protection of apparatus and machines. W. Butow. 1,965,485; July 3.
 Earth mover. H. R. Lytle. 1,984,648; Dec. 18.
 Earth moving device. T. V. Davin and M. Weber. 1,956,007; Apr. 24.
 Earth moving device. H. H. Pearson. 1,961,011; May 29.
 Earth with chemical agents, Treatment of diatomaceous. M. Stockton. 1,970,204; Aug. 14.
 Earth-working element, Rotary. T. S. Miller and Q. J. Leong. Re19,242; July 7.
 Earth working implement. E. M. Brodersen. Re19,360; Nov. 6.
 Earth working implement. M. M. Brodersen. 1,947,640; Feb. 20.
 Earth working machine. J. McAlister. 1,982,219; Nov. 27.
 Earth working machine. M. C. Wills and A. R. Henry. 1,971,698; Aug. 28.
 Earthenware, Apparatus for manufacturing. D. B. Howell. 1,941,802; Jan. 2.
 Earthenware body. I. E. Sproat. 1,984,163; Dec. 11.
 Earthenware, Producing. P. Higgins. 1,952,757; Mar. 27.
 Earths or clays, Activating adsorbent. F. W. Huber. 1,976,127; Oct. 9.
 Earthy materials, Excavating and transporting. R. S. Weimer. 1,956,738; May 1.
 Easel. W. M. Hanson. 1,983,981; Dec. 11.
 Easel. R. D. and A. G. Weakley. 1,971,926; Aug. 28.
 Easel, Adjustable revolving. H. E. Stout. 1,959,746; May 22.
 Easel for cemetery wreaths. G. A. Roach and K. F. Wagler. 1,958,716; May 15.
 Easy opening container. G. Baker. 1,984,563; Dec. 18.
 Eccentric control. M. J. Barbarou. 1,982,603; Nov. 27.
 Eccentric reversing device for multiple cylinder engines. A. S nder. 1,977,924; Oct. 23.
 Eccentricity in the rotation of work spindles for machine tools, Eliminating. G. Wistrand. 1,984,718; Dec. 18.
 Ecclesiastical set. H. W. Fisher and L. P. Leddy. 1,963,617; June 19.
 Echo suppressor. L. G. Abraham. 1,961,274; June 5.
 Echo suppressor. G. Crisson. 1,961,279; June 5.
 Echo suppressor. S. B. Wright and D. Mitchell. 1,951,465; Mar. 21.
 Echo suppressor. S. B. Wright, D. Mitchell, and L. G. Abraham. 1,957,571; May 8.
 Economizer. A. C. Schleh. 1,941,496; Jan. 2.
 Economizer, Fuel. A. F. Thompson. 1,961,308; June 5.
 Economizing apparatus for regulating draft. P. C. Leys. 1,955,643; Apr. 17.
 Edge burnishing machine. F. B. Keall and C. T. Jones. 1,982,740; Dec. 4.
 Edge curling machine. W. Thoma. 1,945,579; Feb. 6.
 Edge finish for rugs. J. P. Weis. 1,953,522; Apr. 3.
 Edge for hat brims, Reinforced. F. T. Stack and J. C. Smith. 1,967,012; July 17.
 Edge guard. A. A. Partner. 1,981,747; Nov. 20.
 Edge roll. W. E. Sackner. 1,950,999-51,000; Mar. 13.
 Edge setter. S. A. Dobyne. 1,976,334; Oct. 9.
 Edge trimmer. H. W. Krag. 1,964,472; June 26.
 Edge trimming attachment. J. Chudner. 1,977,505; Oct. 16.
 Edged cardboard reel. K. W. Strohofer. 1,966,191; July 10.
 Edges of drawn shells or the like, Method and apparatus for trimming the. C. R. Gabriel. 1,965,228; July 3.
 Edges of shoe uppers or the like, Finishing the. H. A. Montaine. 1,958,544; May 15.
 Edging strips, Securing floor. O. MacNab. 1,958,274; May 8.
 Edging, Woven. F. W. Oehrle. Des. 91,961; Apr. 10.
 Edible article. A. M. Henry. 1,942,423; Jan. 9.
 Editing system for controlling printing telegraph machines, Automatic. R. F. Dirkes and V. R. Kimball. 1,951,570; Mar. 20.
 Educational and display device. L. J. Burke. Re19,238; July 17.
 Educational apparatus. C. S. Hornberger. 1,968,039; July 31.
 Educational apparatus. O. J. Russert. 1,952,024; Mar. 20.
 Educational appliance. A. Bakst. 1,951,337; Mar. 20.
 Educational device. E. L. Dixon. 1,980,750; Nov. 13.
 Educational device. J. Šafař. 1,984,599; Dec. 18.
 Educational device. C. P. Townsend. 1,950,072; Mar. 6.
 Educational device for use in primary school work. A. Ripley. 1,977,246; Oct. 16.
 Educational device or game. E. J. Hornung. 1,948,712; Feb. 27.
 Educational method. A. R. Gabriel. 1,946,683; Feb. 13.
 Egg beater. E. F. Nash. 1,982,531; Nov. 27.
 Egg box. J. L. Coyle. Re19,350; July 24.
 Egg box filler and carton. N. A. Petter. 1,983,306; Dec. 4.
 Egg breaking and separating machine. G. S. Given. 1,985,320; Dec. 25.
 Egg breaking machine. F. Pilley. 1,945,788; Feb. 6.
 Egg candler and sater, Combined. B. Knopp. 1,950,409; Mar. 13.
 Egg candler, Shaded adjustable. R. Hollwedel. Des. 92,806; July 17.
 Egg candling device. G. H. Siegal. 1,983,104; Dec. 4.
 Egg candling machine. C. S. Hassell. 1,953,404; Apr. 3.
 Egg case cover. A. Voorderman. 1,952,300; Mar. 27.
 Egg cleaning device. G. E. Johnson. 1,952,625; Mar. 27.
 Egg cleaning machine. P. D. Wilkinson. 1,976,380; Oct. 9.
 Egg cleaning machine and method. E. E. and V. C. Miller and J. E. Powell. 1,964,295; June 26.
 Egg container. J. H. Pickett. 1,967,040; July 17.
 Egg feeding machine. M. Hansen. 1,964,152; June 26.
 Egg filtering apparatus. M. J. True. 1,946,772; Feb. 13.
 Egg grading and packing apparatus. C. N. Barton. 1,983,892; Dec. 11.
 Egg laying registering apparatus. G. Doull. 1,968,337; July 31.
 Egg packing. R. W. Regensburger. 1,941,954; Jan. 2.
 Egg packing apparatus. C. N. Barton. 1,983,893; Dec. 11.
 Egg product, Preparing dried. S. Tranin. 1,951,889; Mar. 20.
 Egg separating apparatus. G. Hatcher. 1,942,245; Jan. 2.
 Egg serving device. L. A. Smith. 1,955,258; Apr. 17.
 Eggshell covering, Decorative. R. Feo. 1,956,150; Apr. 24.
 Egg sizing machine by weight. J. W. Wyland. 1,954,164; Apr. 10.
 Egg tray rack. F. E. Stover. 1,968,326; July 31.
 Egg treating machine. W. G. Howard. 1,960,339; May 29.
 Egg whites, Recovering. J. A. Laffier. 1,945,860; Feb. 6.
 Eggs and similar fragile objects, Packing. O. L. Isacson. 1,962,957; June 12.
 Eggs, Apparatus for segregating. L. Loomis. 1,946,980; Feb. 13.
 Eggs during the incubation of the same, Turning. M. W. Olsen and H. T. Baker. 1,982,827; Dec. 4.
 Eggs, Method of and apparatus for hatching. C. B. Jolliffe. 1,973,532; Sept. 11.
 Eggs, Method of and apparatus for hatching. L. C. Sturgis. 1,983,055; Dec. 4.
 Eggs, Process and apparatus for dehydrating. A. H. Leach. 1,961,770; June 5.
 8-aryl-dibenzothiocarbocyanine and preparing it. L. G. S. Brooker. 1,969,447; Aug. 7.
 8-hydroxyquinoline, Producing. F. Boedecker. 1,966,026; July 10.
 Ejector. H. P. Saugman. 1,972,955; Sept. 11.
 Ejector for power presses. E. W. Zeh. 1,951,229; Mar. 13.
 Ejector for the contents of collapsible tubes. S. G. Johnson. 1,983,462; Dec. 4.
 Ejector for perforating machines. J. F. Ryan. 1,981,199; Nov. 20.
 Ejector vent pipe, Saturator. F. Denig. 1,964,560; June 26.
 Elastic articles, Decoration of. W. E. Humphrey. 1,963,494; June 19.
 Elastic exercising device. J. H. Brunk. 1,945,134; Jan. 30.
 Elastic fabric. S. D. Kops. Des. 92,407; June 5.
 Elastic fabric. T. F. Moore. 1,965,248; July 3.
 Elastic fabric, Two-way stretch. J. S. Coldwell. 1,961,961; June 5.
 Elastic fluid generator. B. P. Coulson, jr. 1,948,370; Feb. 20.
 Elastic fluid generator. B. P. Coulson, jr. 1,980,784-5; Nov. 13.
 Elastic fluid generator. A. J. Nerad. 1,980,820; Nov. 13.
 Elastic hinge joint. M. Houdaille and C. Lecler. 1,954,934; Apr. 17.
 Elastic retaining band. E. P. Blair. 1,960,690; May 29.
 Elastic webbing. S. F. Conant. 1,985,852; Dec. 25.
 Elastic wheel. E. F. Maas. 1,948,304; Feb. 20.
 Elastic woven fabric. S. Kendrick. 1,950,559; Mar. 13.
 Elasticity or strength to paper or fabric, Imparting. H. Jackson. 1,959,956; May 22.
 Elbow-fittings for interconnecting flush-tanks and toilet-bowls, Telescopic. E. A. Pope. 1,981,247; Nov. 20.
 Elbow for pneumatic conveyers, Flexible. J. N. Fender. 1,981,099; Nov. 20.
 Electric actuating mechanism for ice-cream freezers. B. A. Benson. 1,983,653; Dec. 11.
 Electric apparatus. C. Hatav. 1,951,149; Mar. 13.
 Electric apparatus. C. I. McNeil. 1,981,738; Nov. 20.
 Electric appliances, Apparatus for protecting. W. B tow. 1,956,461; Apr. 24.
 Electric arc and producing same. C. S. Ashcraft. 1,983,430; Dec. 4.
 Electric arc device. P. Freedman. 1,959,419; May 22.

- Electric arc discharge lamp, Gaseous. K. Moers. 1,961,701; June 5.
- Electric arc lamp. B. O'Brien. 1,955,143; Apr. 17.
- Electric arc lamp. A. Ruttenauer and O. Fritze. 1,967,906; July 24.
- Electric arcs, Device for extinction of. G. Gerin, P. J. Branchu, and S. Teszner. 1,948,658; Feb. 27.
- Electric arm clamping and elevating mechanism. A. M. Sosa. 1,956,540; Apr. 24.
- Electric band tightener. F. P. Prindle. 1,963,593; June 19.
- Electric booster mechanism. V. G. Apple and H. D. Hukill. 1,950,962; Mar. 13.
- Electric brake. R. V. Morse. 1,960,915; May 29.
- Electric brake. J. Whyte. 1,944,831; Jan. 23.
- Electric brake for slip-ring motors. J. D. Nies. 1,949,727; Mar. 6.
- Electric bulb or similar article. A. Abramson. Des. 91,309; Jan. 9.
- Electric car heater. W. G. Hartwig. 1,975,605; Oct. 2.
- Electric cells, Apparatus for assembling. F. R. Aronson. 1,945,673; Feb. 6.
- Electric circuit closing attachment for shoe heels. J. A. Davidson. 1,942,325; Jan. 2.
- Electric circuit-cut-in, Portable. W. H. Hindman. 1,945,939; Feb. 6.
- Electric clock and sign, Combination. J. Block. 1,968,987; Aug. 7.
- Electric clock motor. M. J. Hanson. 1,965,772; July 10.
- Electric condenser. W. M. Bailey. 1,969,346; Aug. 7.
- Electric condenser. A. Georgiev. 1,973,852; Sept. 18.
- Electric condenser. S. Ruben. 1,947,112; Feb. 13.
- Electric condenser. F. S. Smith. 1,955,776; Apr. 24.
- Electric condenser. J. S. Williams. 1,981,533; Nov. 20.
- Electric condenser or similar article. J. Greenberg. Des. 93,653; Oct. 23.
- Electric connector. E. L. Andrew. 1,953,891; Apr. 3.
- Electric connector. G. B. Benander. 1,956,409-10; Apr. 24.
- Electric connector. F. C. Kollath. 1,982,169; Nov. 27.
- Electric connector. H. J. C. Pearson. 1,981,753; Nov. 20.
- Electric connector. N. H. Watts. 1,952,188; Mar. 27.
- Electric connecting device. A. H. Nero. 1,984,278; Dec. 11.
- Electric contact. R. Swinne. 1,948,687; Feb. 27.
- Electric contact device for automatic operation of mechanisms. H. H. Dodge. 1,985,340; Dec. 25.
- Electric contact plug. C. E. Gilbert. 1,956,020; Apr. 24.
- Electric control device. C. W. Kuhn. 1,981,555; Nov. 20.
- Electric control for fluid containers. W. R. Frazer. 1,958,660; May 15.
- Electric control for sound amplifying systems. F. B. Little. 1,958,053; May 8.
- Electric control for the printing mechanism of address-printing machines. J. Krell. 1,945,644; Feb. 6.
- Electric control system. A. S. Fitz Gerald. 1,954,669; Apr. 10.
- Electric control system. A. J. Sorensen. 1,960,398; May 29.
- Electric control system. A. J. Sorensen. 1,968,968; Aug. 7.
- Electric control system. R. J. Stevens. 1,948,635; Feb. 27.
- Electric control system and recording device. W. Ellman and F. Berhley. 1,941,668; Jan. 2.
- Electric controller. R. B. Hunter. 1,974,613; Sept. 25.
- Electric controller. Thermo responsive. T. J. Smulski. 1,969,105; Aug. 7.
- Electric controlling apparatus. F. G. Logan. 1,963,093; June 19.
- Electric controlling apparatus. F. G. Logan. 1,977,193; Oct. 16.
- Electric controlling apparatus. F. G. Logan. 1,981,921; Nov. 27.
- Electric controlling apparatus. F. J. Logan. 1,982,007; Nov. 27.
- Electric converter for luminous tubes. W. Foerste. 1,978,528; Oct. 30.
- Electric cord swivel connector. T. H. Pearson. 1,955,652; Apr. 17.
- Electric cut-out. F. Harvey. 1,946,071; Feb. 6.
- Electric detonator, Delay action. J. M. Cooper. 1,964,788; July 3.
- Electric device and dielectric material therefor. F. M. Clark. 1,966,163; July 10.
- Electric device for cutting gypso-plastic dressings. J. Niederhofer. 1,951,880; Mar. 20.
- Electric discharge apparatus. H. Fröndt. 1,959,201; May 15.
- Electric discharge apparatus. E. D. McArthur. 1,980,870; Nov. 13.
- Electric discharge apparatus. H. J. Nolte and E. D. McArthur. 1,981,524; Nov. 20.
- Electric discharge device. G. M. Beardow. 1,969,496; Aug. 7.
- Electric discharge device. F. R. Elder. 1,980,855; Nov. 13.
- Electric discharge device. T. E. Foulke. 1,965,582-4; July 10.
- Electric discharge device. M. S. Glass. 1,980,196; Nov. 13.
- Electric discharge device. J. A. Heany. 1,984,479; Dec. 18.
- Electric discharge device. Y. Imoka. 1,976,500; Oct. 9.
- Electric discharge device. D. D. Knowles. 1,963,168; June 19.
- Electric discharge device. A. E. McLeod. 1,942,824; Jan. 9.
- Electric discharge device. A. E. Noble. 1,946,498; Feb. 13.
- Electric discharge device. V. L. Ronci and C. Depew. 1,981,669; Nov. 20.
- Electric discharge device. W. Traub. 1,980,017; Nov. 6.
- Electric discharge device. K. Wiegand. 1,951,113; Mar. 13.
- Electric discharge device and electrode therefor. J. D. Forney. 1,951,141; Mar. 13.
- Electric discharge device and making the same, Gaseous. T. E. Foulke. 1,965,587; July 10.
- Electric discharge device and making the same, Gaseous. T. E. Foulke. 1,965,589; July 10.
- Electric discharge device and producing the same, Gaseous. T. E. Foulke. 1,965,588; July 10.
- Electric discharge device, Gaseous. F. Abshagen. 1,951,117; Mar. 13.
- Electric discharge device, Gaseous. C. Bol. 1,961,897; June 5.
- Electric discharge device, Gaseous. E. G. Dorgelo. 1,984,468; Dec. 18.
- Electric discharge device, Gaseous. H. Ewest. 1,961,749; June 5.
- Electric discharge device, Gaseous. H. Ewest and G. Gaidies. 1,951,137; Mar. 13.
- Electric discharge device, Gaseous. H. Ewest and G. Gaidies. 1,961,750; June 5.
- Electric discharge device, Gaseous. T. E. Foulke. 1,951,143; Mar. 13.
- Electric discharge device, Gaseous. T. E. Foulke. 1,965,586; July 10.
- Electric discharge device, Gaseous. H. Friederichsen. 1,971,931; Aug. 28.
- Electric discharge device, Gaseous. G. Greeff. 1,951,294; Mar. 13.
- Electric discharge device, Gaseous. M. Imamura and B. Fujita. 1,984,482; Dec. 18.
- Electric discharge device, Gaseous. H. Lems. 1,951,155-6; Mar. 13.
- Electric discharge device, Gaseous. J. G. W. Mulder. 1,951,163; Mar. 13.
- Electric discharge device, Gaseous. M. Pirani. 1,961,709; June 5.
- Electric discharge device, Gaseous. M. Pirani. 1,971,939-40; Aug. 28.
- Electric discharge device, Gaseous. M. Pirani. 1,984,428; Dec. 18.
- Electric discharge device, Gaseous. M. Pirani and H. Ewest. 1,984,427; Dec. 18.
- Electric discharge device, Gaseous. M. Pirani and M. Reger. 1,984,426; Dec. 18.
- Electric discharge device, Gaseous. M. Reger. 1,971,942; Aug. 28.
- Electric discharge device, Gaseous. W. Uytendhoeven. 1,961,719; June 5.
- Electric discharge device, Gaseous. G. Wels. 1,951,112; Mar. 13.
- Electric discharge device, Gaseous. K. Wiegand. 1,971,944; Aug. 28.
- Electric discharge device, Gaseous. W. J. Winninghoff. 1,971,945; Aug. 28.
- Electric discharge devices, Apparatus for and method of manufacturing. T. E. Foulke. 1,951,142; Mar. 13.
- Electric discharge devices, Method of and apparatus for operating gaseous. J. D. Forney. 1,961,754; June 5.
- Electric discharge lamp, Gaseous. M. Reger. 1,971,943; Aug. 28.
- Electric discharge tube. A. Bouwers. 1,949,347; Feb. 27.
- Electric discharge tube. A. Bouwers. 1,970,532; Aug. 14.
- Electric discharge tube. J. Bruijnes, J. G. W. Mulder, and E. Oosterhuis. 1,976,385 Oct. 9.
- Electric discharge tube. P. W. Dobben. 1,983,743; Dec. 11.
- Electric discharge tube. G. Holst. 1,947,417; Feb. 13.
- Electric discharge tube. J. M. Unk, K. M. van Gessel and E. Oosterhuis. 1,955,396; Apr. 17.
- Electric discharge tube. K. M. van Gessel and J. H. de Boer. 1,949,849; Mar. 6.
- Electric discharge tube. K. M. Van Gessel and W. D. van Wijk. 1,954,189; Apr. 10.
- Electric discharge tube. G. Zecher. 1,984,449; Dec. 18.
- Electric discharge tube. G. Zecher and J. Bruijnes. 1,971,890; Aug. 28.
- Electric discharge tube, Low voltage. R. R. Machlett. 1,961,618; June 5.
- Electric discharge tube, Luminous. V. J. Francis and J. W. Ryde. 1,948,261; Feb. 20.
- Electric display device. N. E. Lawrence. 1,971,144; Aug. 21.
- Electric display fixture. E. Maxwell. Des. 94,093; Dec. 18.
- Electric display system. J. P. Tarbox. 1,965,206; July 3.
- Electric distributing system and apparatus, High tension. G. A. Burnham. 1,941,463; Jan. 2.
- Electric distribution system and conductor therefor. G. A. Burnham. 1,970,125; Aug. 14.
- Electric distribution system employing mercury arc rectifiers. F. P. Whitaker. 1,969,535; Aug. 7.
- Electric distribution, System of. H. K. Williams. 1,964,374; June 26.
- Electric drier. G. L. Tinkham. 1,961,179; June 5.
- Electric drill, Hydraulic feed. M. B. Sawyer. 1,977,490; Oct. 16.

- Electric elevation. J. R. Jackson, jr. 1,945,502; Jan. 30.
 Electric emitting body and its manufacture. A. Lederer. 1,948,445; Feb. 20.
 Electric energy indicating machine. O. Szilas and N. Székely. 1,942,193; Jan. 2.
 Electric extension light, Automatic. O. P. Grube. 1,975,419; Oct. 2.
 Electric fire lighting apparatus. W. Schottky. 1,977,151; Oct. 16.
 Electric fixture. A. A. Henkel. 1,952,314; Mar. 27.
 Electric flash lamp. S. Osterman. 1,980,351; Nov. 13.
 Electric floor lamp. J. H. Boye. 1,962,421; June 12.
 Electric fluid heater. R. A. Carleton. 1,985,280; Dec. 25.
 Electric furnace. H. Carmichael. 1,982,418; Nov. 27.
 Electric furnace. A. Loppacker. 1,980,729; Nov. 13.
 Electric furnace. W. E. Moore. 1,947,612; Feb. 20.
 Electric furnace. F. E. O'Neil and J. F. Callahan. 1,947,793; Feb. 20.
 Electric furnace. W. I. Robertson. 1,969,038; Aug. 7.
 Electric furnace. V. H. Sanders. 1,969,478; Aug. 7.
 Electric furnace. R. Schmitz. 1,942,981; Jan. 9.
 Electric fuse clamp. J. E. Carlson. 1,946,897; Feb. 13.
 Electric fuse holder. R. M. Burt. 1,951,271; Mar. 13.
 Electric gaseous discharge device. T. E. Foulke. 1,965,585; July 10.
 Electric generative boiler. O. M. Gross. 1,968,940; Aug. 7.
 Electric generator system. K. Murakami. 1,952,936; Mar. 27.
 Electric glow discharge lamp. E. H. Smythe. 1,954,958; Apr. 17.
 Electric glow discharge tube. M. J. Druyvesteyn. 1,972,647; Sept. 4.
 Electric grounding connector. C. H. Bissell. 1,981,796; Nov. 20.
 Electric hand lamp. R. H. Olley. 1,972,790; Sept. 4.
 Electric heading machine and control therefor. K. C. Monroe. 1,962,647; June 12.
 Electric heater. C. R. Anderson. 1,980,654; Nov. 13.
 Electric heater. J. F. Ball and H. M. Quirey. 1,982,190; Nov. 27.
 Electric heater. A. Brantingham. 1,976,651-2; Oct. 9.
 Electric heater. L. B. Calkins. 1,962,981; June 12.
 Electric heater. E. C. Crowley. Des. 92,948; Aug. 7.
 Electric heater. F. W. Dearborn. 1,951,598; Mar. 20.
 Electric heater. C. S. Hawley and R. J. Parsons. 1,975,321; Oct. 2.
 Electric heater. G. D. Hoffman. 1,948,759; Feb. 27.
 Electric heater. E. F. Holinger. 1,963,328; June 19.
 Electric heater. L. P. Hynes. 1,979,883; Nov. 6.
 Electric heater. L. P. Hynes. 1,985,831; Dec. 25.
 Electric heater. G. L. Jessup. 1,942,758; Jan. 9.
 Electric heater. O. A. Knopp. 1,979,471; Nov. 6.
 Electric heater. I. Pargman. 1,952,774; Mar. 27.
 Electric heater. W. H. Reynolds. 1,969,760; Aug. 14.
 Electric heater. R. F. Schneider. 1,968,776; July 31.
 Electric heater. T. Schwedenberg and R. Auerbach. 1,979,082; Oct. 30.
 Electric heater. G. Van Daam. Des. 93,803; Nov. 6.
 Electric heater for hair waving. H. Bonat. Des. 94,064; Dec. 18.
 Electric heating apparatus. A. Meissner. 1,954,678; Apr. 10.
 Electric heating attachment for electric fans. L. Ludwig. 1,980,689; Nov. 13.
 Electric heating furnace. G. L. Simpson. 1,975,410; Oct. 2.
 Electric heating pad. J. Hübl. 1,980,528; Nov. 13.
 Electric heating unit. A. F. Schramm. 1,946,886; Feb. 13.
 Electric illuminating apparatus. W. P. Westendorp. 1,942,078; Jan. 2.
 Electric incandescent lamp. W. J. Geiger and A. T. Gaskill. 1,983,362; Dec. 4.
 Electric incandescent lamp. G. Lessmann. 1,947,207; Feb. 13.
 Electric incandescent lamp. T. Millner. 1,944,825; Jan. 23.
 Electric indicator. T. E. Foley and W. C. Bennison. 1,959,267; May 15.
 Electric induction furnace. E. F. Northrup. 1,943,802; Jan. 16.
 Electric induction furnace. E. F. Northrup. 1,980,875; Nov. 13.
 Electric induction furnace. E. F. Northrup. 1,981,631; Nov. 20.
 Electric insect destroyer. J. Marsel. 1,953,622; Apr. 3.
 Electric installation. A. Bouwers. 1,949,348; Feb. 27.
 Electric instrument handle. R. C. Angell. 1,968,867; Aug. 7.
 Electric insulating property of ceramics such as porcelain. Method and means to increase the. I. Kitsee. 1,949,311; Feb. 27.
 Electric interpreter. G. F. Daly. 1,946,900; Feb. 13.
 Electric iron handle. A. T. Lark. 1,953,668; May 15.
 Electric lamp. F. Born. 1,947,243; Feb. 13.
 Electric lamp. L. L. Cohen. Des. 93,003; Aug. 14.
 Electric lamp. A. Y. Dodge. 1,961,964; June 5.
 Electric lamp. H. A. Douglas. 1,985,024; Dec. 18.
 Electric lamp. R. W. Fisher and T. McCarthy. Des. 92,126; May 1.
 Electric lamp. G. E. McFadden. Des. 91,679; Mar. 6.
 Electric lamp. S. H. Millsap. 1,965,664; July 10.
 Electric lamp. S. J. Monk. 1,952,276; Mar. 27.
 Electric lamp. T. Ohara, K. Enomoto, and K. Honda. 1,946,104; Feb. 6.
 Electric lamp. H. B. Patche. 1,959,638; May 22.
 Electric lamp. D. K. Wright. 1,967,852; July 24.
 Electric lamp, Constant illumination. C. H. Braselton. 1,975,499; Oct. 2.
 Electric lamp, Incandescent filament. D. S. Gustin. 1,975,844; Oct. 9.
 Electric lamp, Multiple filament. W. Dawson. 1,946,393; Feb. 6.
 Electric light. C. W. Duke. 1,957,821; May 8.
 Electric light. B. S. Floraday. 1,949,538; May 6.
 Electric light and wave apparatus and method for treatment of hydrocarbons. I. W. Henry. 1,961,358; June 5.
 Electric light fixture. C. M. Cole. 1,971,705; Aug. 28.
 Electric light fixture. B. F. Muldoon. 1,952,603; Mar. 27.
 Electric light for a bed or the like, Adjustable. G. Kolb. 1,953,489; Apr. 3.
 Electric line protective system. A. van Gastel. 1,985,197; Dec. 18.
 Electric liquid heater. L. A. Collins. 1,944,495; Jan. 23.
 Electric liquid heater. L. B. Green. 1,954,929; Apr. 17.
 Electric lock. L. R. and J. U. Baril. 1,946,384; Feb. 6.
 Electric lock. C. M. Goodwin, sr. 1,948,217; Feb. 20.
 Electric long-distance indicating system. H. R. Scheldegger. 1,958,208; May 8.
 Electric luminescent tube system and apparatus. C. P. Boucher. 1,950,396; Mar. 13.
 Electric machine. A. A. Malinckrodt. 1,977,136; Oct. 16.
 Electric machine control, Dynamo. G. G. Landis and N. J. Hoenie. 1,967,158; July 17.
 Electric machine core slot lining, Dynamo. V. G. Apple. 1,974,406; Sept. 25.
 Electric machine, Dynamo. J. H. Blankenbuehler. 1,979,665; Nov. 6.
 Electric machine, Dynamo. J. C. Buerke. 1,978,100; Oct. 23.
 Electric machine, Dynamo. L. Griffiths. 1,976,554; Oct. 9.
 Electric machine, Dynamo. K. L. Hansen. 1,976,782; Oct. 16.
 Electric machine, Dynamo. G. G. Landis. 1,962,691; June 12.
 Electric machine, Dynamo. H. L. Smith. 1,958,213; May 8.
 Electric machine, Fabricated dynamo. J. C. Aydelott. 1,967,854; July 24.
 Electric machine, Fabricated dynamo. A. P. Wood. 1,968,582; July 31.
 Electric machine, Fabricated dynamo. A. P. Wood. 1,980,026; Nov. 6.
 Electric machine, Magneto. C. F. Reis. 1,979,812; Nov. 6.
 Electric machine regulation, Dynamo. W. H. Powell. 1,965,606; July 10.
 Electric machine, Totally inclosed dynamo. H. G. Reist. 1,944,107; Jan. 16.
 Electric machine with laminated masses. P. Ehrmann. 1,959,527; May 22.
 Electric machinery. B. C. von Platen. 1,949,504; Mar. 6.
 Electric machines, Apparatus for controlling and regulating dynamo. F. W. Meyer. 1,972,689; Sept. 4.
 Electric machines, Commutation of. B. C. von Platen. 1,943,904; Jan. 16.
 Electric machines, Commutation of. B. C. von Platen and G. A. Grubb. 1,943,905; Jan. 16.
 Electric machines, Method of and apparatus for controlling asynchronous dynamo. P. W. Robinson. 1,965,432; July 3.
 Electric meter. T. A. Abbott. 1,965,329; July 3.
 Electric meter. F. Fausett. 1,954,311; Apr. 10.
 Electric meter. P. D. Flehr. 1,945,523; Feb. 6.
 Electric meter. A. C. Keller. 1,955,812; Apr. 24.
 Electric meter. D. K. McIlvaine. 1,985,048; Dec. 18.
 Electric meter. H. F. Willis, Jr. 1,958,651; May 15.
 Electric meter service box. M. J. Lewis. 1,966,301; July 10.
 Electric mixer, Portable. P. J. Fitzgerald. 1,962,008; June 5.
 Electric motor. H. K. Ansingh. 1,959,608; May 22.
 Electric motor. W. H. Balzer. 1,978,855; Oct. 30.
 Electric motor. J. L. Barnard. 1,967,048; July 17.
 Electric motor. T. S. Bindschedler. 1,946,468; Feb. 13.
 Electric motor. A. Borchers and G. Feiser. 1,948,365; Feb. 20.
 Electric motor. R. M. Critchfield. 1,956,373; Apr. 24.
 Electric motor. T. A. Cutting. 1,966,335; July 10.
 Electric motor. W. L. Hansen. 1,952,498; Mar. 27.
 Electric motor. A. W. Haydon. 1,977,185-6; Oct. 16.
 Electric motor. E. A. Heckler. 1,949,910; Mar. 6.
 Electric motor. F. C. Holtz. 1,962,770; June 12.
 Electric motor. F. S. Kingston. 1,948,037; Feb. 20.
 Electric motor. J. B. Maris. 1,977,730; Oct. 23.
 Electric motor. S. P. Morse. 1,968,218; July 31.
 Electric motor. B. V. Nagashev. 1,969,520; Aug. 7.
 Electric motor. J. M. Naul. 1,956,041; Apr. 24.
 Electric motor. F. M. Nierlich. 1,957,551; May 8.
 Electric motor. A. G. Redmond. 1,974,691; Sept. 25.
 Electric motor. J. Schick. 1,971,506; Aug. 28.
 Electric motor. E. P. Siliceo. 1,966,315; July 10.
 Electric motor. N. S. Yost. 1,972,966; Sept. 11.
 Electric motor, Fan cooled. H. K. Ansingh. 1,969,493; Aug. 7.
 Electric motor, Non-self starting synchronous. S. Mazur. 1,981,000; Nov. 20.
 Electric motor, Self-starting synchronous. S. Mazur. 1,963,094; June 19.
 Electric motor, Slow-running. E. G. C. Lofgren. 1,966,897; July 17.

- Electric motor, Subsynchronous. J. R. Putnam. 1,967,782; July 24.
- Electric motor, Universal. J. D. MacLachlan. 1,960,542; May 29.
- Electric motor, Variable-speed. F. Morhard. 1,977,950; Oct. 23.
- Electric motor, Vibratory. W. H. Young. 1,948,452; Feb. 20.
- Electric muffie furnace. O. Junker. 1,974,743; Sept. 25.
- Electric nets against overvoltages, Device for protection of. S. Teszner. 1,978,969; Oct. 30.
- Electric outlet. H. H. Wermine. 1,983,157; Dec. 4.
- Electric outlets for buildings, Continuous. H. Friend. 1,958,993; May 15.
- Electric ozone generator. E. C. Stoddard. 1,971,513; Aug. 28.
- Electric percussion tool. J. R. Taylor. 1,978,442; Oct. 30.
- Electric pick-up for sound reproduction. L. H. Matthias. 1,943,873; Jan. 16.
- Electric plant, Automatic prime mover dynamo. J. M. Drabelle. 1,965,371-2; July 3.
- Electric plug. E. Adams. 1,974,700; Sept. 25.
- Electric plug. A. E. Grant. Des. 92,466; June 12.
- Electric plug. J. W. James. 1,976,501; Oct. 9.
- Electric plug. W. M. Kneis. 1,976,024; Oct. 9.
- Electric plug. G. Olson. 1,971,619; Aug. 28.
- Electric plug. M. A. Rollman. 1,982,758; Dec. 4.
- Electric plug. G. V. Woodling. 1,965,681; July 10.
- Electric plug receptacle. H. Zucker. 1,943,154; Jan. 9.
- Electric plug, Universal. R. L. Chadwick. 1,947,331; Feb. 13.
- Electric power supply for trains, Head-end. C. Kerr, jr., A. H. Candee, C. F. King, jr., E. L. Harder, and A. McLaughlin. 1,985,638; Dec. 25.
- Electric projection lamp. W. J. Geiger and A. T. Gaskill. 1,979,968; Nov. 6.
- Electric radiation device. K. Wiegand. 1,971,887; Aug. 28.
- Electric range time switch. F. Lux. 1,951,028; Mar. 13.
- Electric receiver for signaling arrangement. R. Herzog. 1,971,911; Aug. 28.
- Electric rectifier. J. G. W. Mulder. 1,976,454; Oct. 9.
- Electric rectifier construction. O. Seitz. 1,973,675; Sept. 11.
- Electric rectifying system. M. Lazarus. 1,961,153; June 5.
- Electric regulating system. E. H. Reid. 1,957,226; May 1.
- Electric regulation, System and apparatus for. L. H. Von Ohlen. 1,943,498; Jan. 16.
- Electric resistance. R. Beyer. 1,947,692; Feb. 20.
- Electric resistance. E. Gindre. 1,950,606; Mar. 13.
- Electric resistance furnace. F. L. Preston. 1,952,143; Mar. 27.
- Electric resistance furnace. R. R. Ridgeway. 1,979,052; Oct. 30.
- Electric resistance, Making. A. Haroldson. 1,985,166; Dec. 18.
- Electric resistance unit. R. J. Parsons. 1,982,121; Nov. 27.
- Electric safety plug. G. E. Gilbert. 1,956,018-19; Apr. 24.
- Electric selector. H. E. Humphries. 1,970,455; Aug. 14.
- Electric selector device. F. J. Sprague. 1,978,967; Oct. 30.
- Electric service plug. A. S. McCloy and S. F. French. 1,970,968; Aug. 21.
- Electric service plug. A. S. McCloy and S. F. French. 1,978,805; Oct. 30.
- Electric sign. F. I. Braun. 1,961,735; June 5.
- Electric sign. F. C. Reilly. 1,967,066; July 17.
- Electric signalling and recording system. V. H. Dake. 1,972,980; Sept. 11.
- Electric snap switch. F. C. De Reamer and W. R. Young. 1,971,212; Aug. 21.
- Electric snap switch. P. G. Shaw. 1,968,574; July 31.
- Electric squib. H. A. Lewis and C. A. Woodbury. 1,964,826; July 3.
- Electric starting motor for internal combustion engines. A. Kaufmann. 1,968,947; Aug. 7.
- Electric steam generator. F. T. Kaelin. 1,954,248; Apr. 10.
- Electric steam generator. W. Nosarzewski. 1,985,546; Dec. 25.
- Electric storage cell. S. A. Pollock. 1,966,644; July 17.
- Electric supply system, Auxiliary. E. S. J. Holland. 1,944,083; Jan. 16.
- Electric switch. P. G. Andres and A. Hall. 1,975,247; Oct. 2.
- Electric switch. V. G. Apple. 1,952,405; Mar. 27.
- Electric switch. V. G. Apple. 1,976,534; Oct. 9.
- Electric switch. W. A. Atwood. 1,945,389; Jan. 30.
- Electric switch. A. O. Austin. 1,968,869; Aug. 7.
- Electric switch. H. B. Austin. 1,979,852; Nov. 6.
- Electric switch. A. J. Bowle. 1,962,293; June 12.
- Electric switch. F. T. Brewer and C. J. Werner. 1,964,426; June 26.
- Electric switch. J. E. Carlson. 1,954,440; Apr. 10.
- Electric switch. J. J. Casby. 1,950,162; Mar. 6.
- Electric switch. A. Cornu. 1,975,684; Oct. 2.
- Electric switch. A. J. Dawe. 1,946,132; Feb. 6.
- Electric switch. W. Dennis. 1,960,772; May 29.
- Electric switch. A. Y. Dodge. 1,983,124; Dec. 4.
- Electric switch. H. A. Douglas. 1,950,716; Mar. 13.
- Electric switch. H. A. Douglas. 1,961,846; June 5.
- Electric switch. H. A. Douglas. 1,964,561; June 26.
- Electric switch. H. A. Douglas. 1,964,563; June 26.
- Electric switch. L. W. Eggleston and E. J. Dillman. Re19,300; Sept. 4.
- Electric switch. L. W. Eggleston and E. J. Dillman. 1,953,469; Apr. 3.
- Electric switch. C. H. Flurscheim. 1,970,421; Aug. 14.
- Electric switch. T. Finizie. 1,985,633; Dec. 25.
- Electric switch. P. Foy. 1,984,124; Dec. 11.
- Electric switch. A. C. Gaynor. 1,966,091; July 10.
- Electric switch. A. C. Gaynor. 1,969,263; Aug. 7.
- Electric switch. C. D. Geer and E. D. Stirlen. 1,950,490; Mar. 13.
- Electric switch. H. J. Hammerly. 1,956,422; Apr. 24.
- Electric switch. H. J. Hammerly. 1,960,208; May 22.
- Electric switch. C. Hatay. 1,971,934; Aug. 28.
- Electric switch. E. W. Hengst. 1,961,419; June 5.
- Electric switch. H. G. Horning. 1,949,306; Feb. 27.
- Electric switch. F. E. Johnson. 1,945,487; Jan. 30.
- Electric switch. H. Jonas. 1,968,647; July 31.
- Electric switch. H. H. Knowles and G. N. Lemmon. 1,955,132; Apr. 17.
- Electric switch. H. H. Knowles and G. N. Lemmon. 1,978,365; Oct. 23.
- Electric switch. J. L. Lappin. 1,974,310; Sept. 18.
- Electric switch. H. B. Lawton. 1,948,938; Feb. 27.
- Electric switch. H. B. Massey. 1,967,623; July 24.
- Electric switch. H. F. McLoughlin and F. W. Osborne. 1,979,277; Nov. 6.
- Electric switch. V. H. Miller. 1,950,563; Mar. 13.
- Electric switch. R. A. Millermaster. 1,970,244; Aug. 14.
- Electric switch. E. D. Moore. 1,967,126; July 17.
- Electric switch. B. F. Muldoon. 1,968,090; July 31.
- Electric switch. H. E. Norviel. 1,981,064; Nov. 20.
- Electric switch. H. E. Norviel. 1,981,966; Nov. 27.
- Electric switch. C. J. B. Olsen and G. F. Lincks. 1,973,265; Sept. 11.
- Electric switch. J. G. Peterson. 1,961,864; June 5.
- Electric switch. C. Porter. 1,952,939; Mar. 27.
- Electric switch. W. H. and H. Putnam. 1,968,568; July 31.
- Electric switch. M. N. Russell and V. R. Despard. 1,948,399; Feb. 20.
- Electric switch. J. Sachs. 1,947,275; Feb. 13.
- Electric switch. W. Schmid. 1,961,112; May 29.
- Electric switch. G. Scott. 1,951,171; Mar. 13.
- Electric switch. P. G. Shaw. 1,944,764; Jan. 23.
- Electric switch. J. Slepian. 1,966,188; July 10.
- Electric switch. C. E. Stow. 1,947,681; Feb. 20.
- Electric switch. F. Taubner. 1,943,493; Jan. 16.
- Electric switch. O. N. Tevender. 1,958,685; May 15.
- Electric switch. G. H. Whittingham. 1,945,459; Jan. 30.
- Electric switch. W. R. Walker. 1,984,505; Dec. 18.
- Electric switch. R. Wilkins. 1,965,272; July 3.
- Electric switch. G. O. Wilms and A. J. Dawe. 1,981,534; Nov. 20.
- Electric switch. W. R. Young. 1,952,153; Mar. 27.
- Electric switch. A. Zwierzynski. 1,981,213; Nov. 20.
- Electric switch, Alarm clock. E. Stallworth. 1,972,634; Sept. 4.
- Electric switch handle, Automatic. W. Leathers. 1,955,967; Apr. 24.
- Electric switch, Noiseless. F. Poli. 1,949,694; Mar. 6.
- Electric switch operating mechanism. R. Paxton. 1,969,576; Aug. 7.
- Electric switch, Remotely controlled. F. B. Adam. 1,948,088; Feb. 20.
- Electric switch, Thermostatic. J. A. Spencer. 1,972,364; Sept. 4.
- Electric switch, Thermostatically operated. G. W. Hart. 1,982,955; Dec. 4.
- Electric switch, Time controlled. J. W. Redmond. 1,943,040; Jan. 9.
- Electric switching device. L. A. Gardner. 1,972,985; Sept. 11.
- Electric system. E. L. Bowles. 1,957,093; May 1.
- Electric system and method. J. K. Clapp. 1,944,315; Jan. 23.
- Electric system for toy vehicles. C. G. Herbst. 1,952,027; Mar. 20.
- Electric system for vehicles. A. H. Neuland. Re19,066; Jan. 30.
- Electric systems, Protection of. C. A. Woodrow. 1,973,242; Sept. 11.
- Electric table. K. H. Hamilton. 1,975,320; Oct. 2.
- Electric terminal connector. E. E. Staub and O. A. Nitsch. 1,960,191; May 22.
- Electric testing device. E. Janovitch. 1,974,275; Sept. 18.
- Electric ticket indicator, Automatic. W. S. Johnson. 1,972,449; Sept. 4.
- Electric time lock, Antibandit. W. T. Benham. 1,942,045; Jan. 2.
- Electric tool, Portable rotary. H. C. Preston. 1,964,797; July 3.
- Electric translating system. E. F. W. Alexanderson. 1,969,538; Aug. 7.
- Electric tube frequency multiplier. R. N. Harmon. 1,962,392; June 12.
- Electric tumbler switch. R. Bain and N. Allday. 1,943,363; Jan. 16.
- Electric wall bracket. R. G. Cowan. Des. 91,985; Apr. 17.
- Electric water heater. M. W. Kirkwood. 1,950,113; Mar. 6.
- Electric water heater. E. L. Monnot. 1,984,076; Dec. 11.

- Electric water heater. S. D. Roberson and P. W. Harmon. 1,968,708; July 31.
- Electric water heater. G. E. Wilson. 1,952,107; Mar. 27.
- Electric wave amplifier. C. B. Aiken. 1,948,977; Feb. 27.
- Electric wave amplifying system. I. G. Wilson. 1,948,976; Feb. 27.
- Electric wave filter. A. Jaumann. 1,959,131; May 15.
- Electric wave filter. H. C. Och. 1,942,488; Jan. 9.
- Electric waves, Neutralizing disturbing. G. Lohrmann. 1,981,056; Nov. 20.
- Electric welding machine. F. E. Stahl. 1,980,935; Nov. 13.
- Electric welding system. E. R. Evans. 1,969,550; Aug. 7.
- Electric wind dynamo. H. Honnef. 1,944,239; Jan. 23.
- Electric wiring apparatus. V. R. Despard. Re19,092; Feb. 20.
- Electric wiring apparatus. V. R. Despard. 1,966,542; July 17.
- Electric wiring strip and making same. L. Kallscher. 1,949,077; Feb. 27.
- Electric wiring system. C. W. Abbott. 1,984,355-6; Dec. 18.
- Electric wiring system. M. J. De Mask. 1,962,554; June 12.
- Electric wiring system. L. A. Kempton. 1,967,091; July 17.
- Electric wiring system. D. H. Murphy. 1,981,742; Nov. 20.
- Electrical adapter means. H. A. Douglas. 1,956,380; Apr. 24.
- Electrical air heater. A. J. Kercher. 1,982,139; Nov. 27.
- Electrical amplifier and the like. F. M. Best. 1,950,653; Mar. 13.
- Electrical amplifier circuits. A. Hund. 1,950,003; Mar. 6.
- Electrical amplifying system. A. Hund. 1,951,416; Mar. 20.
- Electrical amplifying system. B. F. Miessner. 1,958,062; May 8.
- Electrical apparatus. J. W. Allen. 1,943,781; Jan. 16.
- Electrical apparatus. P. L. Bellaschi. 1,962,379; June 12.
- Electrical apparatus. F. M. Clark. 1,964,684; June 26.
- Electrical apparatus. F. M. Edwards. 1,960,579; May 29.
- Electrical apparatus. J. G. Ford. 1,976,608; Oct. 9.
- Electrical apparatus. H. S. Gates. 1,976,609; Oct. 9.
- Electrical apparatus. J. Q. Gaubert. 1,942,961; Jan. 9.
- Electrical apparatus. G. J. Hausmann. 1,958,665; May 15.
- Electrical apparatus. C. F. Hill and J. T. Goff. 1,947,085; Feb. 13.
- Electrical apparatus. J. K. Hodnette. 1,973,073; Sept. 11.
- Electrical apparatus. W. J. King. 1,944,138; Jan. 16.
- Electrical apparatus. R. P. Lansing. 1,957,015; May 1.
- Electrical apparatus. R. P. Lansing. 1,974,871; Sept. 25.
- Electrical apparatus. H. J. Loftis. 1,976,571; Oct. 9.
- Electrical apparatus. W. P. Loudon. 1,946,631; Feb. 13.
- Electrical apparatus. W. P. Loudon. 1,957,016; May 1.
- Electrical apparatus. C. I. McNeil. 1,962,995; June 12.
- Electrical apparatus. C. I. McNeil. 1,985,183; Dec. 18.
- Electrical apparatus. W. J. O'Leary. 1,971,793; Aug. 28.
- Electrical apparatus. G. D. O'Neill. 1,950,456; Mar. 13.
- Electrical apparatus. L. A. M. Phelan and C. Hotchkiss. Re19,235; July 10.
- Electrical apparatus. G. H. Poth. 1,969,093; Aug. 7.
- Electrical apparatus. C. P. Potter. 1,967,684; July 24.
- Electrical apparatus. C. H. Reynolds and G. H. Tryder. 1,971,990; Aug. 28.
- Electrical apparatus. R. Soutter, jr. 1,969,764; Aug. 14.
- Electrical apparatus. A. S. Walton. 1,958,650; May 15.
- Electrical apparatus and dielectric material therefor. F. M. Clark and R. A. Ruscetta. 1,952,153; Mar. 27.
- Electrical apparatus, Cooling. K. K. Paluoff. 1,980,821; Nov. 13.
- Electrical apparatus for automotive vehicles. C. H. Davis, jr. 1,978,523; Oct. 30.
- Electrical apparatus for the control of stage lighting equipment or the like. E. P. Newton. 1,975,698; Oct. 2.
- Electrical apparatus involving cable. G. W. Baughman. 1,963,732; June 19.
- Electrical apparatus, Portable. C. V. Dame. 1,984,398; Dec. 18.
- Electrical apparatus with external heat radiator and making the same. Encased. J. J. Frank. 1,947,196; Feb. 13.
- Electrical appliance. E. S. Johnson. 1,976,939; Oct. 16.
- Electrical appliance. E. A. Rutenber. 1,942,835; Jan. 9.
- Electrical appliance plug. J. B. Saraceno. 1,961,013; May 29.
- Electrical appliance time control. M. E. Rosen. 1,980,700; Nov. 13.
- Electrical appliances to power lines, Connecting. W. K. Fleming. 1,949,996; Mar. 6.
- Electrical attachment fitting. M. Propp. 1,941,488-9; Jan. 2.
- Electrical bonding. F. B. Llewellyn. 1,951,918; Mar. 20.
- Electrical by-pass. K. B. McEachron, E. G. Newton, and R. S. Bennett. 1,971,194; Aug. 21.
- Electrical carder. P. M. Strang. 1,968,861; Aug. 7.
- Electrical characteristics of materials, Testing the. G. H. Brodie. 1,944,211; Jan. 23.
- Electrical choke coil. J. Millen. Des. 93,499; Oct. 2.
- Electrical circuit controlling mechanism. C. L. Hanel. 1,959,205; May 15.
- Electrical coil winding device. B. C. Beiting. 1,984,721; Dec. 18.
- Electrical communication system. P. O. Farnham. 1,961,140; June 5.
- Electrical communication system. J. C. Field. 1,976,548; Oct. 9.
- Electrical compensator. F. Lange. 1,971,688; Aug. 28.
- Electrical condenser. M. H. Benedek. 1,970,269; Aug. 14.
- Electrical condenser. M. H. Benedek. 1,973,038-9; Sept. 11.
- Electrical condenser. S. S. Cramer and E. D. Koepping. 1,983,121; Dec. 4.
- Electrical condenser. A. Deutschmann. 1,984,785; Dec. 18.
- Electrical condenser. P. E. Gilling. 1,973,342; Sept. 11.
- Electrical condenser. A. M. Knudsen. 1,960,944; May 29.
- Electrical condenser. J. A. Proctor. 1,963,559; June 19.
- Electrical condenser. S. W. Seeley. 1,942,153; Jan. 2.
- Electrical conductive element and manufacture. T. C. Browne and E. Brugmann. 1,983,267; Dec. 4.
- Electrical conductivity. Apparatus for measuring. A. Preisman. 1,966,185; July 10.
- Electrical conductor for electron discharge tubes. I. E. Mourontseff and G. Rylsky. 1,982,317; Nov. 27.
- Electrical conductors, Method of and apparatus for testing. A. Oxaal. 1,951,485; Mar. 20.
- Electrical conduit. M. H. Newman. 1,966,731; July 17.
- Electrical connector. W. L. Barth. 1,974,790; Sept. 25.
- Electrical connector. R. C. Da Costa. 1,963,228; June 19.
- Electrical connector. A. L. Dibner. 1,949,648; Mar. 6.
- Electrical connector. H. A. Douglas. 1,943,591; Jan. 16.
- Electrical connector. H. A. Douglas. 1,946,966; Feb. 13.
- Electrical connector. H. A. Douglas. 1,975,354; Oct. 2.
- Electrical connector. W. E. Eccles. 1,967,006; July 17.
- Electrical connector. R. Edwards. 1,943,660; Jan. 16.
- Electrical connector. W. M. Hill. 1,977,677; Oct. 23.
- Electrical connector. J. R. Kearney. 1,943,677; Jan. 16.
- Electrical connector. L. P. Nelson. 1,949,973; Mar. 6.
- Electrical connector. C. Salvati. 1,944,697; Jan. 23.
- Electrical connector. G. L. Welch. 1,956,842; May 1.
- Electrical connector. L. J. Werner. 1,970,587; Aug. 21.
- Electrical connector. H. H. Wessel. 1,946,889; Feb. 13.
- Electrical connector. H. B. White. 1,948,249; Feb. 20.
- Electrical connector. F. A. Young. 1,975,999; Oct. 9.
- Electrical connector and fuse plug, Combined. P. H. and R. E. Kelley. 1,950,181; Mar. 6.
- Electrical connector block. H. A. Douglas. 1,962,487; June 12.
- Electrical connector for toy electric railways. L. W. Rosenthal. 1,983,776; Dec. 11.
- Electrical connector, Self-locking. S. B. Smith. 1,945,664; Feb. 6.
- Electrical connector, Self tightening. R. R. Macdonald. 1,956,037; Apr. 24.
- Electrical connecting device for electrical conductors. S. W. Borden. 1,976,769; Oct. 16.
- Electrical connecting plug. A. E. Grant and A. L. Buschman. 1,976,779; Oct. 16.
- Electrical connection. A. E. Anderson. 1,949,596; Mar. 6.
- Electrical connection. C. G. Bondeson. 1,977,426; Oct. 16.
- Electrical connection. J. L. Johnson and M. Geisler. 1,951,981; Mar. 20.
- Electrical connection. C. H. Reynolds. 1,974,291; Sept. 18.
- Electrical connection. J. M. White. 1,942,586; Jan. 9.
- Electrical connection plug. F. N. Bayliss. 1,959,895; May 22.
- Electrical connection plug. J. Worth. Des. 92,140; May 1.
- Electrical contact. A. M. Draving. 1,968,480; July 31.
- Electrical contact device. F. M. Kreitz. 1,966,014; July 10.
- Electrical contact device. W. W. Robinson. 1,969,991; Aug. 14.
- Electrical control apparatus. L. Gilman. 1,962,864; June 12.
- Electrical control device. C. F. Warrick. 1,975,127; Oct. 20.
- Electrical control system. P. A. Borden and W. N. Hubbard. 1,971,764; Aug. 28.
- Electrical control system. G. D. Bower. 1,956,753; May 1.
- Electrical control system. P. B. Harwood and J. T. Kennedy. 1,964,944; July 3.
- Electrical control system. H. E. Hershey. 1,944,688; Jan. 23.
- Electrical control system. L. A. Hyland. 1,975,898; Oct. 9.
- Electrical control system. S. L. McFadin. 1,959,379; May 22.
- Electrical control system. J. G. Reid. 1,981,002; Nov. 20.
- Electrical control system. C. G. Suits. 1,969,587; Aug. 7.
- Electrical controlling apparatus. G. W. Baughman. Re19,156; May 8.
- Electrical cooking apparatus. J. E. Smith. 1,947,426; Feb. 13.
- Electrical cooking appliance. S. E. Patchell and C. T. Maxwell. 1,944,365; Jan. 23.
- Electrical cut-out. G. F. Lincks and F. L. Flanagan. 1,953,812; Apr. 3.
- Electrical cut-outs, Making. E. A. Harty. 1,982,384; Nov. 27.

- Electrical decorative illuminating device. L. Propp. 1,976,964; Oct. 16.
- Electrical device. A. L. Buschman. 1,976,771; Oct. 16.
- Electrical device. E. S. True. 1,981,681; Nov. 20.
- Electrical device. Intermittently operating. M. W. Muchter. 1,970,333; Aug. 14.
- Electrical devices, Face plate for. H. V. Steele and V. R. Despard. Des. 92,326; May 22.
- Electrical devices in outlet boxes, Securing. H. Schreiber. 1,964,535; June 26.
- Electrical devices, Method of and apparatus for testing. E. M. Dixon and F. Konieck. 1,967,296; July 24.
- Electrical discharge apparatus. C. T. Ulrey and N. C. Beese. 1,975,880; Oct. 9.
- Electrical discharge device. R. E. Barclay. 1,963,961; June 26.
- Electrical discharge device. E. E. Charlton. 1,961,814; June 5.
- Electrical discharge device. C. Spaeth. 1,943,845; Jan. 16.
- Electrical discharge device. C. Spaeth. 1,943,847-8; Jan. 16.
- Electrical discharge device. C. E. Vawter. 1,955,520; Apr. 17.
- Electrical discharge device, Alternating current. C. Spaeth. 1,943,846; Jan. 16.
- Electrical discharge device, Luminiscent. R. Foster and S. K. Waldorf. 1,969,642; Aug. 7.
- Electrical discharge device, Metallic vapor. P. Freedman. 1,957,255; May 1.
- Electrical discharge lamp. L. K. Marshall. 1,965,127; July 3.
- Electrical discharge tube. P. F. Scofield. 1,983,679; Dec. 11.
- Electrical display apparatus. R. Compare. 1,960,618; May 29.
- Electrical distant indicating apparatus. N. E. Methlin. 1,965,046; July 3.
- Electrical distributing apparatus. C. A. Gerlach and W. E. Sanders. 1,965,182; July 3.
- Electrical distribution. H. Laub. 1,947,268; Feb. 13.
- Electrical distribution. M. Stöhr. 1,947,233; Feb. 13.
- Electrical distribution connector. A. Alsaker and A. E. Nessler. 1,979,091; Oct. 30.
- Electrical distribution system. D. K. Blake. 1,969,542-3; Aug. 7.
- Electrical distribution system. D. K. Blake. 1,971,810; Aug. 28.
- Electrical distribution system. J. A. Brooks and E. A. Cerf, jr. 1,945,590-1; Feb. 6.
- Electrical distribution system. W. Guttmann. 1,959,162; May 15.
- Electrical distribution system. A. M. Nicolson. 1,965,720; July 10.
- Electrical distribution system. H. A. Rose. 1,976,581; Oct. 9.
- Electrical distribution system. L. W. Thompson. 1,959,181; May 15.
- Electrical distribution system and fitting therefor, Under-floor. L. A. Sharp. 1,969,043; Aug. 7.
- Electrical distribution, System of. C. A. Gerlach and W. E. Sanders. 1,965,181; July 3.
- Electrical distribution, System of. A. Greco. 1,985,206; Dec. 18.
- Electrical distribution, System of. K. Kettner. 1,944,087; Jan. 16.
- Electrical distribution, System of. A. Schmidt, jr. 1,954,682; Apr. 10.
- Electrical distribution, System of. C. W. Stone. 1,969,676; Aug. 7.
- Electrical distribution, System of. C. H. Willis. 1,947,238; Feb. 13.
- Electrical disturbances, Reducing. D. G. McCaa. 1,969,657; Aug. 7.
- Electrical disturbances, Reducing. D. G. McCaa. 1,981,457; Nov. 20.
- Electrical disturbances, Reducing the effects of. D. G. McCaa. 1,956,689; May 1.
- Electrical disturbances, Suppressing. L. A. Hyland. 1,953,961; Apr. 10.
- Electrical drive for sound film equipments and the like. F. Fischer. 1,943,065; Jan. 9.
- Electrical energy, Apparatus for maintaining an unfailling and uninterrupted supply of. J. J. Hanley. 1,953,602; Apr. 3.
- Electrical fitting. S. N. Buchanan. 1,982,464; Nov. 27.
- Electrical flasher. W. N. Olson. 1,977,933; Oct. 23.
- Electrical frequency responsive system. H. L. Bernarde. 1,958,883; May 15.
- Electrical furnace. H. George and G. Delpech. 1,951,753; Mar. 20.
- Electrical fuses of the multiple element type. E. C. Caelli. 1,968,928; Aug. 7.
- Electrical gaseous discharge device. A. P. Nickel and H. G. and J. J. Spanner. 1,966,830; July 17.
- Electrical generating system. L. M. Goldsmith. Re19,289; Aug. 28.
- Electrical generator. H. J. McCreary. 1,964,738; July 3.
- Electrical generator system. F. B. Hornby. 1,974,990; Sept. 25.
- Electrical generator system. W. W. Macalpine. 1,985,735; Dec. 25.
- Electrical hearing apparatus for the deaf. A. von Suchorzynski. 1,971,630; Aug. 28.
- Electrical heater. N. B. Date. 1,955,055; Apr. 17.
- Electrical heater. G. N. Sexton. 1,941,584; Jan. 2.
- Electrical heating appliance. E. Walder. 1,971,971; Aug. 28.
- Electrical heating appliance of the open-grid or boiling-plate type. N. W. Gilbert. 1,985,161; Dec. 18.
- Electrical heating bars, Manufacturing. H. Hofer. 1,973,629; Sept. 11.
- Electrical heating device. F. J. Holmes. 1,961,496; June 5.
- Electrical heating device. F. E. Scoville. 1,971,387; Aug. 28.
- Electrical heating system. W. C. Carr. 1,965,218; July 3.
- Electrical heating system. L. B. Root. 1,962,842; June 12.
- Electrical heating unit. A. P. Aug. 1,974,908; Sept. 25.
- Electrical impulse control, Selective. C. Gibbs and H. A. Heine. 1,954,170; Apr. 10.
- Electrical impulses by radio, Transmission of. R. Gil-mour. 1,977,125; Oct. 16.
- Electrical impulses, Photographically recording. R. G. Fear. 1,956,167; Apr. 24.
- Electrical indicating device. E. F. Bacon. 1,942,529; Jan. 9.
- Electrical indicating instrument. C. E. Vawter. 1,957,510; May 8.
- Electrical indicating instrument and selector switch, Combined. E. G. Haven. 1,981,543; Nov. 20.
- Electrical insect exterminator. W. F. Folmer and H. L. Chapin. 1,960,084; May 22.
- Electrical installation, Apparatus for recording the periods of operation of an. G. Winter. 1,950,832; Mar. 13.
- Electrical instrument. R. G. Jewell. 1,952,072; Mar. 27.
- Electrical instrument. F. S. Stickney. 1,976,584; Oct. 9.
- Electrical instrument. V. S. Thomander. 1,982,333; Nov. 27.
- Electrical insulating device having a terminal thereon and a method of making it. H. Schwartzmann. 1,984,036; Dec. 11.
- Electrical insulating materials. W. S. Smith, H. J. Garnett, J. N. Dean, B. J. Habgood, and H. C. Channon. 1,953,440; Apr. 3.
- Electrical insulation. W. C. Ellis. 1,943,115; Jan. 9.
- Electrical integrating device. W. Geyger. 1,947,411; Feb. 13.
- Electrical interval timer. C. R. Gains. 1,961,417; June 5.
- Electrical machine. F. Fischer. 1,943,064; Jan. 9.
- Electrical make-and-break contact. C. B. Gwyn, jr. 1,958,338; May 8.
- Electrical make-and-break contacts. J. A. Weiger. 1,953,357; May 8.
- Electrical marking device. M. C. Walter. 1,943,100; Jan. 9.
- Electrical massaging device. C. de Carreño and F. Archila. 1,948,067; Feb. 20.
- Electrical means or device for heating water or other liquids. E. B. Enochsen. 1,966,339; July 10.
- Electrical measurements, Method and apparatus for making. M. G. Barnard and H. D. Ellsworth. 1,960,097; May 22.
- Electrical measuring and regulating system. H. L. Bernarde. 1,973,279; Sept. 11.
- Electrical measuring device. E. H. Schreiber. 1,982,766; Dec. 4.
- Electrical measuring instrument. W. E. Beede. 1,962,855; June 12.
- Electrical measuring instrument. W. H. Geiger. 1,967,710; July 24.
- Electrical measuring instrument. S. C. Hoare. 1,976,498; Oct. 9.
- Electrical measuring instrument, Multirange. H. S. Macadie. 1,959,592; May 22.
- Electrical measuring instrument, Portable. R. L. Triplett. 1,963,284; June 19.
- Electrical measuring system. A. W. Montgomery and V. J. Terry. 1,969,573; Aug. 7.
- Electrical mechanism. R. Chilton. 1,949,367; Feb. 27.
- Electrical meter, Outdoor. T. A. Abbott. Des. 92,690; July 10.
- Electrical network. A. G. Jensen. 1,957,538; May 8.
- Electrical operating device for neon and like signs. C. P. Boucher. 1,950,394; Mar. 13.
- Electrical oscillations, Arrangement for amplifying. C. S. Franklin and E. Green. 1,954,589; Apr. 10.
- Electrical outlet. M. M. Clayton. 1,943,001; Jan. 9.
- Electrical outlet box. H. L. Arnest and C. R. Hockman. 1,961,728; June 5.
- Electrical outlet box and the like. G. G. Jerner. 1,957,066; May 1.
- Electrical outlet device. C. G. Beersman. 1,955,168; Apr. 17.
- Electrical pick-up. S. A. Solle. 1,944,583; Jan. 23.
- Electrical pickup. I. N. Steigman. 1,967,335; July 24.
- Electrical pickup apparatus. C. D. Kentner. 1,978,583; Oct. 30.
- Electrical power distribution system. E. R. Evans. 1,947,193; Feb. 13.
- Electrical power equipment. H. M. Jacobs. 1,948,351; Feb. 20.
- Electrical precipitation. C. W. J. Hedberg. 1,953,405; Apr. 3.
- Electrical precipitation. A. W. Knight. 1,981,455; Nov. 20.
- Electrical precipitation. O. U. Lawrence. 1,953,082; Apr. 3.

- Electrical precipitation. S. P. Miller. 1,945,061; Jan. 30.
- Electrical precipitation apparatus. C. T. Buff and R. Heinrich. 1,961,658; June 5.
- Electrical precipitation apparatus. J. R. Gies. 1,956,591; May 1.
- Electrical precipitation apparatus. G. Grave. 1,948,070; Jan. 9.
- Electrical precipitation, Method and apparatus for. W. Deutsch. 1,962,555; June 12.
- Electrical precipitation, Method and apparatus for. M. A. Lissman. 1,959,374; May 22.
- Electrical precipitation of suspended particles from gases, Apparatus for. G. H. Horne and M. A. Lissman. 1,957,458; May 8.
- Electrical precipitation, System of. H. A. Wintermute. 1,968,330; July 31.
- Electrical precipitator. R. B. Heinrich. 1,965,924; July 10.
- Electrical precipitator. H. A. Poillon. 1,981,754; Nov. 20.
- Electrical processes and apparatus for separating emulsions. C. H. M. Roberts. 1,959,385; May 22.
- Electrical prospecting. N. H. Ricker. 1,960,027-8; May 22.
- Electrical prospecting. T. Zuschlag. 1,951,386-7; Mar. 20.
- Electrical protective device. L. H. Rovere, P. H. Estes, and J. W. Milnor. 1,971,146; Aug. 21.
- Electrical protective system. D. K. Blake. 1,969,541; Aug. 7.
- Electrical protective system. P. H. Estes. 1,979,256; Nov. 6.
- Electrical protective system. E. R. Evans. 1,962,062; June 5.
- Electrical protective system. L. H. Rovere and P. H. Estes. 1,979,284; Nov. 6.
- Electrical pulsations used in musical instruments, Producing and augmenting. M. L. Severy. 1,957,152; May 1.
- Electrical quantities, Apparatus for measuring. W. Wilson. 1,951,461; Mar. 20.
- Electrical receptacle. H. J. Graham. 1,955,285; Apr. 17.
- Electrical recording. W. A. Marrison. 1,961,372; June 5.
- Electrical recording device. J. H. W. Siebers. 1,954,955; Apr. 17.
- Electrical rectifiers, Manufacture of. P. H. Dowling. 1,980,042; Nov. 6.
- Electrical rectifying and filtering system. B. F. Miessner. 1,984,418; Dec. 18.
- Electrical regulating apparatus. G. W. Garman. 1,947,292; Feb. 13.
- Electrical regulating arrangement. R. T. Cheeseman. 1,959,196; May 15.
- Electrical regulating system. F. A. Byles. 1,970,415; Aug. 14.
- Electrical regulating system. F. A. Hamilton, jr., and J. B. McClure. 1,959,163; May 15.
- Electrical regulating system. R. H. Kaufmann. 1,959,166; May 15.
- Electrical regulation, System and apparatus for. F. W. Godsey, jr. 1,960,086; May 22.
- Electrical relay. H. E. Ashworth. 1,959,562; May 22.
- Electrical relay. H. G. Blosser. 1,975,652; Oct. 2.
- Electrical relay. B. Lazich and H. E. Ashworth. 1,963,750; June 19.
- Electrical relay. B. Lazich and H. E. Ashworth. 1,966,965; July 17.
- Electrical relay. C. S. Snavely, D. P. Fitzsimmons, and N. F. Agnew. 1,958,646; May 15.
- Electrical release for planters. J. C. Bohmker. 1,948,559; Feb. 27.
- Electrical repeater. P. M. Haffcke. 1,947,771; Feb. 20.
- Electrical repeater tube. A. M. Nicolson. 1,972,491; Sept. 4.
- Electrical reproducer for disk records. H. Hübner. 1,980,137; Nov. 6.
- Electrical resistance. E. D. Mead. 1,963,755; June 19.
- Electrical resistance device. L. W. Thompson. 1,971,204; Aug. 21.
- Electrical resistance flash welding. H. S. Blumberg and R. W. Waring. 1,978,891; Oct. 30.
- Electrical resistance unit. D. T. Siegel. 1,942,496; Jan. 9.
- Electrical resistance unit. D. T. Siegel. 1,975,623; Oct. 2.
- Electrical resistance unit. T. A. Swartz and W. P. Uhler. 1,972,411; Sept. 4.
- Electrical resistance units, Making. G. E. Megow. 1,978,163; Oct. 23.
- Electrical resistor. E. A. Everett. 1,956,859; May 1.
- Electrical resistor. G. O. Wilms. 1,962,673; June 12.
- Electrical resistor, Compressible. G. O. Wilms. 1,946,774; Feb. 13.
- Electrical selecting and indicating system. R. Hoover. 1,976,398; Oct. 9.
- Electrical separator. C. F. Jacobs. 1,950,179; Mar. 6.
- Electrical sheet and method and apparatus for its manufacture and test. N. P. Goss. 1,965,559; July 3.
- Electrical signal receiver. T. Laurent. 1,958,166; May 8.
- Electrical signaling. M. L. Haselton. 1,946,531; Feb. 13.
- Electrical signaling apparatus. J. Robinson. 1,967,971; July 24.
- Electrical signaling system for elevators. C. E. Hammell. 1,951,791; Mar. 20.
- Electrical shaving machine for dry shaving. W. Brunner. 1,950,097; Mar. 6.
- Electrical socket construction. E. Bradley. 1,958,782; May 15.
- Electrical space discharge device. E. R. Evans. 1,962,061; June 5.
- Electrical spark intensifier. L. Yesner. 1,966,370; July 10.
- Electrical speed controlling device. D. E. Lewellen. 1,968,343; July 31.
- Electrical spraying device. W. A. Darrah. 1,958,406; May 15.
- Electrical supply system. C. S. Weyandt. 1,959,513; May 22.
- Electrical switch. S. Eskin. 1,976,843; Oct. 16.
- Electrical switch. J. W. Hendrickson. Re19,234; July 10.
- Electrical switch. W. S. Mayer. 1,974,423; Sept. 25.
- Electrical switch. G. S. Moore. 1,954,019; Apr. 10.
- Electrical switch. E. A. Rutenbar. 1,953,363; Apr. 24.
- Electrical switch. E. Thomas. 1,984,730; Dec. 18.
- Electrical switch gear. H. Krida. 1,957,215; May 1.
- Electrical switchgear. J. H. Powers. 1,966,218; July 10.
- Electrical switch, Thermally actuated. C. W. Bondurant. 1,985,337; Dec. 25.
- Electrical switching apparatus. W. Uebermuth. 1,959,183; May 15.
- Electrical switching device. E. B. Rickard. 1,951,209; Mar. 13.
- Electrical swivel connector. J. E. Tsavaris. 1,973,234; Sept. 11.
- Electrical swiveled connector. J. J. Tromanhauser. 1,956,966; May 1.
- Electrical synchronizing device. R. Barthelemy. 1,985,139; Dec. 18.
- Electrical system. C. J. Axtell. 1,964,553; June 26.
- Electrical system. C. Bradley. 1,961,841; June 5.
- Electrical system. O. H. A. Schmitt. 1,950,365; Mar. 6.
- Electrical system. E. A. Tubbs. 1,977,536; Oct. 16.
- Electrical system for internal combustion engines. D. L. Wertz. 1,985,129; Dec. 18.
- Electrical system providing sequence operation. C. G. Suits. 1,974,318; Sept. 18.
- Electrical systems, Determining the synchronism of. J. W. Simmons. 1,943,746; Jan. 16.
- Electrical test set. P. H. Bullock. 1,969,713; Aug. 14.
- Electrical testing apparatus. R. T. Pierce. 1,984,493; Dec. 18.
- Electrical testing, Method of and apparatus for. D. G. Swartwout. 1,977,703; Oct. 23.
- Electrical tool. W. D. Hamer. 1,979,688; Nov. 6.
- Electrical translating apparatus. F. W. Lee. Re19,129; Apr. 3.
- Electrical translating device. J. A. Heany and P. M. Haffcke. 1,947,774; Feb. 20.
- Electrical transmission and reception of pictures, documents, and the like, System for. V. Yanouchewsky. 1,951,781; Mar. 20.
- Electrical transmission device. A. D. Blumlein. 1,975,709; Oct. 2.
- Electrical transmission of moving pictures. W. E. John. 1,954,052; Apr. 10.
- Electrical transmission system. M. B. Long. 1,977,683; Oct. 23.
- Electrical utility device and motor assembly. P. J. Fitzgerald. 1,971,257; Aug. 21.
- Electrical variations, Method and apparatus for amplifying or detecting. J. A. Heany and H. St. Laurent. 1,974,957; Sept. 25.
- Electrical wave production. W. A. Marrison and L. A. Meacham. 1,985,046; Dec. 18.
- Electrical waves, Method and apparatus for controlling. F. W. Hoorn. 1,950,406; Mar. 13.
- Electrical welding apparatus. I. J. Van Huffel. 1,978,614; Oct. 30.
- Electrical winding. H. B. West and L. E. Sauer. 1,955,318; Apr. 17.
- Electrically conducting parts, Device for testing and sorting of. A. J. Moore. 1,983,388; Dec. 4.
- Electrically controlled mechanism for a thermostatic choking device. K. N. Willmore, A. P. Carroll, and C. O. Stucker. 1,962,850; June 12.
- Electrically heated apparatus. E. C. Britton. 1,942,382; Jan. 2.
- Electrically heated device. C. N. Clement. 1,945,628; Feb. 6.
- Electrically heated pie baker. F. Person. 1,977,084; Oct. 16.
- Electrically operated brake. F. W. Troup. 1,977,565; Oct. 16.
- Electrically operated fountain. J. H. Kraus. 1,954,704; Apr. 10.
- Electrically operated valve. E. L. Payne. 1,961,386; June 5.
- Electrician's tool. V. A. Ryan. 1,946,239; Feb. 6.
- Electricity by means of a fuel cell, Production of. H. H. Greger. 1,963,550; June 19.
- Electricity meter. R. Pudenko. 1,947,737; Feb. 20.
- Electrified insect screen, Adjustable. W. F. Folmer. 1,981,951; Nov. 27.
- Electro-acoustic device. R. D. Parry. 1,980,957; Nov. 13.
- Electroacoustic device. A. T. van Urk. 1,961,180; June 5.
- Electro-acoustic translating device. A. R. Barfield. 1,973,277; Sept. 11.
- Electrochemical process for removing scale and oxide from the surface of stainless steel. T. E. Dunn. 1,954,473; Apr. 10.
- Electrochemical treatment machine. A. H. Hannon. 1,970,850; Aug. 21.
- Electrode. F. Hotchner. 1,953,608; Apr. 3.

- Electrode. H. E. Kimble. 1,983,669; Dec. 11.
 Electrode and coating therefor, Welding. L. Andren. 1,974,732; Sept. 25.
 Electrode and making the same, Arc welding. M. L. Luckenbaugh and T. D. Radcliffe. 1,983,552; Dec. 11.
 Electrode and manufacture. C. P. Marsden and C. M. Wheeler. 1,982,821; Dec. 4.
 Electrode and manufacturing the same, Welding. C. B. Langstroth and E. M. Martin. 1,965,637; July 10.
 Electrode, Arc welding. W. B. Miller. 1,965,553; July 3.
 Electrode cap. R. M. Heintz. 1,970,750; Aug. 21.
 Electrode, Coated ferrous welding. P. R. Judy. 1,972,063; Aug. 28.
 Electrode, Coated welding. P. R. Judy and H. R. Pennington. 1,977,277; Oct. 16.
 Electrode, Coated welding. H. R. Pennington. 1,972,067; Aug. 28.
 Electrode construction for electroluminescent tubes. R. R. Wiley and A. L. Brandt. 1,974,762; Sept. 25.
 Electrode construction for glow discharge tubes. F. Schröter. 1,955,391; Apr. 17.
 Electrode control. E. C. Wollaeger. 1,953,454; Apr. 3.
 Electrode, Depolarizing. M. L. Martus and E. H. Becker. 1,941,869; Jan. 2.
 Electrode device. T. Schmidt. 1,945,385; Jan. 30.
 Electrode for arc furnaces. P. Souliary. 1,964,832; July 3.
 Electrode for discharge tubes. R. A. Warren. 1,972,611; Sept. 4.
 Electrode for electric discharge devices, Control. H. W. Parker. 1,953,254; Apr. 3.
 Electrode for electric welding, Coated. P. R. Judy. 1,977,278; Oct. 16.
 Electrode for electrolytic baths. P. C. Kerk. 1,970,804; Aug. 21.
 Electrode for electron discharge devices. M. A. Acheson. 1,956,408; Apr. 24.
 Electrode for electron-discharge devices. D. A. Barnett. 1,974,945; Sept. 25.
 Electrode for electron discharge devices. E. A. Giard. 1,981,620; Nov. 20.
 Electrode for gaseous electrical discharge tubes. A. C. Forst. 1,952,428; Mar. 27.
 Electrode for luminescent tubes. R. R. Wiley and A. L. Brandt, sr. 1,942,627; Jan. 9.
 Electrode for luminous positive column gaseous conducting devices. R. E. Miesse. 1,953,625; Apr. 3.
 Electrode for secondary cells. K. Ackermann. 1,942,791; Jan. 9.
 Electrode for stabilizing the cathode spot of mercury arc devices. A. Amillac. 1,971,805; Aug. 28.
 Electrode for therapeutic devices. S. Ruben. 1,973,911; Sept. 18.
 Electrode fragment holder, Azo welding metal. G. A. Bruce and A. A. Mace. 1,979,528; Nov. 6.
 Electrode, Grid. G. F. Murphy. 1,957,223; May 1.
 Electrode, Heated metal point. Y. Miyaoka. 1,948,075; Feb. 20.
 Electrode holder. J. Churchward. 1,973,701; Sept. 18.
 Electrode housing. W. S. Hough. 1,958,304; May 8.
 Electrode liquid heater, Multiple. C. A. Ross. 1,985,623; Dec. 25.
 Electrode, Liquid heating. W. O. Twombly. 1,960,603; May 29.
 Electrode means for therapeutic purposes. E. J. Rose. 1,975,518; Oct. 2.
 Electrode or terminal for electrolytic apparatus. R. D. Mershon. 1,949,870; Mar. 6.
 Electrode or terminal for electrolytic apparatus. R. D. Mershon. 1,949,871; Mar. 6.
 Electrode, Resistance welding. E. W. Bremer. 1,959,154; May 15.
 Electrode, Spark plug. S. D. Heron. 1,953,228-9; Apr. 3.
 Electrode structure of electrolytic condensers. J. E. Lilienfeld. 1,950,119; Mar. 6.
 Electrode, Surgical. J. P. Farnham and C. C. Bishop. 1,945,140; Jan. 30.
 Electrode, Surgical. F. C. Wappler. 1,967,015; July 17.
 Electrode system. W. C. van Geel and H. Emmens. 1,955,397; Apr. 17.
 Electrode, Therapeutic. F. H. Ewerhardt and F. B. Zener. 1,950,788; Mar. 13.
 Electrode, Welding. R. R. Applegate. 1,953,942; Apr. 10.
 Electrode, Welding. J. B. Austin. 1,967,491; July 24.
 Electrode, Welding. G. E. Doan. 1,967,872; July 24.
 Electrode, Welding. A. M. Hartmann. 1,982,098; Nov. 27.
 Electrode, Welding. J. C. Hodge and M. Christensen. 1,979,264; Nov. 6.
 Electrode, Welding. E. H. Korstkotte. 1,957,214; May 1.
 Electrode, Welding. D. L. Mathias. 1,944,753; Jan. 23.
 Electrode, Welding. A. C. Rood. 1,942,364; Jan. 2.
 Electrodes, Apparatus for manufacturing wound grid. G. F. Murphy. 1,974,312; Sept. 18.
 Electrodes, Coating. G. E. Long. 1,981,652; Nov. 20.
 Electrodes for electric glow discharge tubes, System of. G. Selbt. 1,941,956; Jan. 2.
 Electrodes, Process and composition for coating. E. A. Giard. 1,974,608; Sept. 25.
 Electrodeposition, Method and apparatus for. C. E. Yates. 1,978,037; Oct. 23.
 Electrodeposition of alkaline earth metal compounds on metal. E. Thelsz. 1,945,623; Feb. 6.
 Electrodeposition of chromium. C. G. Fink and C. H. Eldridge. 1,942,356; Jan. 2.
 Electrodeposition of metals and cathode suited for such purpose. K. W. Palmaer and O. E. Griep. 1,970,975; Aug. 21.
 Electrodynamic device. B. A. Engholm. 1,948,207; Feb. 20.
 Electrodynamic machine. E. P. Larsh. 1,983,091; Dec. 4.
 Electrodynamic speaker. H. S. Tenny. 1,944,725; Jan. 23.
 Electrohydraulic operating mechanism. J. Bardin. 1,947,241; Feb. 13.
 Electrohydraulic operator, Double acting. W. J. Woods. 1,970,517; Aug. 14.
 Electroluminescent tube. C. Whitman. 1,971,147; Aug. 21.
 Electrolysis apparatus stand. J. Brigida. Des. 91,264; Jan. 2.
 Electrolyte for the deposition of copper and copper alloys. D. Gernes. 1,969,553; Aug. 7.
 Electrolyte for use with filmed electrodes. J. E. Lilienfeld. 1,976,700; Oct. 9.
 Electrolyte level indicator. S. C. Vail and A. B. Cunningham. 1,954,435; Apr. 10.
 Electrolytic apparatus. M. Tetrault. 1,977,499; Oct. 16.
 Electrolytic apparatus. R. A. Wilkins. 1,978,356; Oct. 23.
 Electrolytic apparatus. R. A. Wilkins. 1,983,785; Dec. 11.
 Electrolytic cell. H. I. Allen and D. B. Ayerst. 1,971,763; Aug. 28.
 Electrolytic cell. V. Engelhardt and N. Schönfeldt. 1,981,498; Nov. 20.
 Electrolytic cell. W. G. Michel. 1,982,224; Nov. 27.
 Electrolytic cell. C. N. Windecker and E. W. Tucker. 1,957,482; May 8.
 Electrolytic cells and parts thereof and making the same. A. Georgiev. 1,963,049; June 12.
 Electrolytic condenser. M. Bergstein. 1,951,720; Mar. 20.
 Electrolytic condenser. H. I. Danziger. Rel. 9,370; Nov. 13.
 Electrolytic condenser. H. I. Danziger. 1,948,289; Feb. 20.
 Electrolytic condenser. H. I. Danziger. 1,959,780; May 22.
 Electrolytic condenser. E. W. Engle and H. L. Cobb. 1,959,415; May 22.
 Electrolytic condenser. H. F. Fruth. 1,981,352; Nov. 20.
 Electrolytic condenser. J. E. Lilienfeld. 1,954,636; Apr. 10.
 Electrolytic condenser. R. D. Mershon. 1,974,579; Sept. 25.
 Electrolytic condenser. A. Smith. 1,970,776; Aug. 21.
 Electrolytic condenser. R. C. Sprague and J. L. Collins. 1,969,630; Aug. 7.
 Electrolytic condenser. H. J. Tyzzer. 1,941,725; Jan. 2.
 Electrolytic condenser. H. J. Tyzzer. 1,979,916; Nov. 6.
 Electrolytic condenser. W. C. van Geel and W. F. Straub. 1,956,365; Apr. 24.
 Electrolytic condenser containing monoethanolamine. M. Bergstein. 1,973,602; Sept. 11.
 Electrolytic extraction of pure alumina. J. Weber, A. von Zeerleder, and W. D. Treadwell. 1,942,522; Jan. 9.
 Electrolytic foil. R. A. Wilkins. 1,982,587; Nov. 27.
 Electrolytic method and apparatus. R. A. Wilkins. 1,960,563; May 29.
 Electrolytic method and cell for the decomposition of water. A. T. Stuart. 1,941,816; Jan. 2.
 Electrolytic methods and apparatus. R. A. Wilkins. 1,969,054; Aug. 7.
 Electrolytic process for the manufacture of chemical compounds. A. L. Clariana. 1,970,076; Aug. 14.
 Electrolytic process for the production of magnesium. V. Obiedoff. 1,957,284; May 1.
 Electrolytic process for the regeneration of pickle liquor. J. R. Cain. 1,954,664; Apr. 10.
 Electrolytic production of powdered metals. W. M. Costa. 1,977,173; Oct. 16.
 Electrolyzer and electric accumulator. H. Niederreither. 1,980,873; Nov. 13.
 Electrolyzers, Arrangement in multicell. L. Lacher and H. Niederreither. 1,983,296; Dec. 4.
 Electrolyzing process with the use of a mercury cathode. K. W. Palmaer. 1,970,973; Aug. 21.
 Electromagnet. J. B. Ford. 1,947,291; Feb. 13.
 Electromagnet for circuit breakers and the like. R. C. Dickinson. 1,948,099; Feb. 20.
 Electromagnetic apparatus. P. H. Crago. 1,962,234; June 12.
 Electromagnetic apparatus. I. F. Kinnard. 1,982,344; Nov. 27.
 Electromagnetic brake. M. B. Chambers. 1,958,608; May 15.
 Electromagnetic brake. M. B. Chambers. 1,970,951; Aug. 21.
 Electromagnetic brake. E. M. Fraser. 1,954,809; Apr. 17.
 Electromagnetic-contact device. W. Kohlhaagen. 1,965,104; July 3.
 Electromagnetic contactor. L. Pierce. 1,966,217; July 10.
 Electromagnetic control system. J. G. Lovell. 1,970,807; Aug. 21.
 Electromagnetic device. W. M. Hill. 1,982,811; Dec. 4.
 Electromagnetic device. G. E. Markley. 1,964,265; June 26.
 Electromagnetic device. O. A. Morgenstern. 1,964,268; June 26.
 Electromagnetic device. J. B. Vachris and B. Proctor. 1,978,729; Oct. 30.
 Electromagnetic friction device. A. P. Warner. 1,973,551; Sept. 11.

- Electromagnetic friction device. A. P. Warner. 1,981,208; Nov. 20.
- Electromagnetic holding device for facilitating welding operations. G. Walmsley. 1,956,841; May 1.
- Electromagnetic lock. G. F. Cavanaugh, A. Calmeyer, and F. Bruijnoghe. 1,958,940; May 15.
- Electromagnetic phonograph recorder. A. D. Blumlein. 1,968,806; Aug. 7.
- Electromagnetic pole. A. Winther. 1,977,600; Oct. 16.
- Electromagnetic process for surveying the deviations of drill holes. C. Schlumberger. 1,980,100; Nov. 6.
- Electromagnetic pump. L. H. Koller. 1,954,831; Apr. 17.
- Electromagnetic regulating apparatus. A. H. Chilton. 1,963,825; June 19.
- Electromagnetic relay. O. Droysen. 1,953,929; Apr. 10.
- Electromagnetic relay construction. F. W. Godsey, jr. 1,956,279; Apr. 24.
- Electromagnetic reproducer. H. J. Round. 1,974,895; Sept. 25.
- Electromagnetic speaker. J. Jensen. 1,984,800; Dec. 18.
- Electromagnetic switch. L. Reichold. 1,962,034; June 5.
- Electromagnetic switching device. D. D. Miller. 1,973,090; Sept. 11.
- Electromagnetic translating device. H. C. Harrison. 1,962,304; June 12.
- Electromagnetic valve. L. O. French. 1,969,742; Aug. 14.
- Electromagnetic vibrating apparatus. H. E. Wurzbach and C. H. Konold. 1,945,015; Jan. 30.
- Electromagnetic vibratory motor. J. Bertschi. 1,944,487; Jan. 23.
- Electromagnetically controlled brake. E. B. Thurston. 1,969,435; Aug. 7.
- Electromagnetically operated switch. A. P. Walker, jr. 1,980,456; Nov. 13.
- Electromechanical brake. G. H. Pickering. 1,955,561; Apr. 17.
- Electromechanical device. A. D. Blumlein and H. E. Holman. 1,952,357; Mar. 27.
- Electromechanical lamp. C. Bernasconi and R. M. Berthier. 1,956,339; Apr. 24.
- Electromechanical process for the recovery of metals from ores and other metal bearing materials. R. Rodrian. 1,941,914; Jan. 2.
- Electromechanical system. L. M. Applegate. 1,942,740; Jan. 9.
- Electromechanical translating device. O. M. Dunning. 1,977,433; Oct. 16.
- Electromechanical vibratory system and apparatus. C. Fichandler. 1,977,939; Oct. 23.
- Electromotor enclosed in a waterproof casing. G. Blechschmidt. 1,962,267; June 12.
- Electron discharge apparatus. M. A. Acheson. 1,947,179; Feb. 13.
- Electron discharge apparatus. J. Dantscher. 1,957,249; May 1.
- Electron discharge apparatus. P. L. Spencer. 1,955,894; Apr. 24.
- Electron discharge apparatus. P. T. Weeks. 1,961,269; June 5.
- Electron discharge device. C. A. Boddie. 1,979,668; Nov. 6.
- Electron discharge device. H. L. Crowley. 1,941,661; Jan. 2.
- Electron discharge device. S. W. Dodge, jr. 1,980,937; Nov. 13.
- Electron discharge device. J. O. Gargan. 1,976,489; Oct. 9.
- Electron discharge device. V. D. Goodwin. 1,974,916; Sept. 25.
- Electron discharge device. W. Holt. 1,961,218; June 5.
- Electron discharge device. C. E. Huffman. 1,949,276; Feb. 27.
- Electron discharge device. F. L. Hunter, jr. 1,967,575; July 24.
- Electron discharge device. W. K. Kearsley. 1,946,288; Feb. 6.
- Electron discharge device. W. L. Krahl. 1,967,208; July 17.
- Electron discharge device. S. Loewe. 1,973,006; Sept. 11.
- Electron discharge device. H. E. Mendenhall. 1,955,823; Apr. 24.
- Electron discharge device. H. W. Parker. 1,958,953; May 15.
- Electron discharge device. W. L. Parrott. 1,962,969; June 12.
- Electron discharge device. V. L. Ronci. 1,966,523; July 17.
- Electron discharge device. V. L. Ronci. 1,981,668; Nov. 20.
- Electron discharge device. V. L. Ronci and J. E. Clark. 1,976,521; Oct. 9.
- Electron discharge device. V. L. Ronci and J. E. Clark. 1,984,992; Dec. 18.
- Electron discharge device. V. L. Ronci and H. W. Ericson. 1,961,393; June 5.
- Electron discharge device. V. L. Ronci and H. W. Ericson. 1,972,276; Sept. 4.
- Electron discharge device. V. L. Ronci and J. P. Laico. 1,984,993; Dec. 18.
- Electron discharge device. W. G. Urmson. 1,963,254; June 19.
- Electron discharge device. J. L. Worden. 1,972,414; Sept. 4.
- Electron discharge device and making the same. T. E. Foulke. 1,965,581; July 10.
- Electron discharge device and method of manufacturing. H. F. Callahan. 1,980,572; Nov. 13.
- Electron discharge device with indirectly heated cathode. E. A. Lederer and J. W. Marden. 1,945,746; Feb. 6.
- Electron discharge system. K. C. De Walt. 1,980,788; Nov. 13.
- Electron discharge system. R. L. Downey. 1,959,156; May 15.
- Electron discharge tube. W. W. Eitel and J. McCullough. Des. 91,992; Apr. 17.
- Electron discharge tube. W. T. Gibson and A. H. Boulestreau. 1,976,553; Oct. 9.
- Electron discharge tube. J. L. H. Jonker and K. M. Van Gessel. 1,946,076; Feb. 6.
- Electron discharge tube. R. R. Machlett. 1,954,016; Apr. 10.
- Electron discharge tube. H. W. Parker. 1,945,979; Feb. 6.
- Electron discharge tube. W. E. Poor. 1,980,596; Nov. 13.
- Electron discharge tube. H. Rothe. 1,984,897; Dec. 18.
- Electron discharge tube. O. L. van Steenis. 1,980,936; Nov. 13.
- Electron discharge tube and making same. P. Knippen. 1,953,967; May 15.
- Electron discharge tube, Hot cathode. H. M. Freeman and W. G. Wade. 1,985,027; Dec. 18.
- Electron discharge tubes, Degasifying. P. M. Haefcke. 1,974,956; Sept. 25.
- Electron emission, Means to diminish secondary. G. Jobst. 1,964,517; June 26.
- Electron emitter. J. A. Becker. 1,957,486; May 8.
- Electron emitting cathode. L. J. Davies. 1,955,537; Apr. 17.
- Electron emitting element. H. Rabezana and O. S. Duffendack. 1,943,027; Jan. 9.
- Electron multiplier. P. T. Farnsworth. 1,969,399; Aug. 7.
- Electron tube. R. D. Duncan, jr. 1,950,138; Mar. 6.
- Electron tube. E. A. Giard and E. A. Fritz. 1,943,523; Jan. 16.
- Electron tube construction. E. L. Koch. 1,980,805; Nov. 13.
- Electron tube for high voltages. C. Reinschild. 1,967,537; July 24.
- Electron tube, High vacuum. C. Edelmann. 1,952,493; Mar. 27.
- Electron tube system. G. J. Kelley. 1,954,779; Apr. 10.
- Electron tube system. S. Y. White. 1,955,570; Apr. 17.
- Electronic device. H. C. Weber. 1,949,383; Feb. 27.
- Electronic discharge tube. M. Ponte. 1,967,513; July 24.
- Electronic tube. O. T. McIlvaine. 1,965,849; July 10.
- Electrooptic control system. A. M. Nicolson. 1,951,523; Mar. 20.
- Electro-optical device. H. E. Ives. 1,969,558; Aug. 7.
- Electrooptical device. C. F. Jenkins. 1,964,062; June 26.
- Electrooptical image production. J. H. Bollman. 1,971,674; Aug. 28.
- Electrooptical image production. J. W. Horton. 1,971,675; Aug. 28.
- Electrooptical method and apparatus. W. S. Pajes. 1,954,947; Apr. 17.
- Electrooptical method and means for measuring concentrations, colors, dispersions, etc., of fluids and similar substances. W. G. Exton. 1,971,443; Aug. 28.
- Electrooptical system. F. Gray. 1,957,953; May 8.
- Electrooptical system. F. Gray. 1,974,067; Sept. 18.
- Electrooptical system. J. W. Horton. 1,952,592; Mar. 27.
- Electrooptical system. H. E. Ives. 1,970,310; Aug. 14.
- Electrooptical system. H. E. Ives. 1,970,312; Aug. 14.
- Electrooptical system. A. R. Oipin. 1,948,941; Feb. 27.
- Electrooptical system. W. S. Pajes. 1,961,706; June 5.
- Electrooptical system. F. W. Reynolds. 1,954,025; Apr. 10.
- Electrooptical system. R. E. Wallace. 1,959,044; May 15.
- Electrooptical system and control. C. F. Jenkins. 1,984,683; Dec. 18.
- Electrooptical system and method of transmission. R. E. Wallace. 1,954,969; Apr. 17.
- Electrooptical tube. F. Gray. 1,980,198; Nov. 13.
- Electroplating. G. L. Wallace. 1,948,145; Feb. 20.
- Electroplating bath. W. S. Murray and D. Gray. 1,965,251; July 3.
- Electroplating machine. V. Finston and C. G. Miller. 1,965,284; July 3.
- Electroplating method. R. J. Wirshing and H. G. Mougey. 1,963,391; June 19.
- Electroplating process. W. M. Phillips and G. M. Cole. 1,979,996; Nov. 6.
- Electroplating, Process and apparatus for. B. Andersen. 1,974,441; Sept. 25.
- Electropneumatic brake. J. N. Good. 1,976,846; Oct. 16.
- Electropneumatic brake. E. E. Hewitt. 1,967,308; July 24.
- Electropneumatic brake, Remote-controlled. R. E. Miller and T. W. Mastermann. 1,972,747; Sept. 4.
- Electroresponsive apparatus. R. Wideröe. 1,967,850; July 24.
- Electroresponsive device. A. A. Emmerling. 1,962,898; June 12.
- Electroresponsive device. L. S. Walle. 1,947,236; Feb. 13.
- Electroresponsive device and apparatus. L. A. Trofimov. 1,980,736; Nov. 13.
- Electroresponsive system. A. S. Fitz Gerald. 1,980,395; Nov. 13.

- Electrostatic energy, Apparatus for generating and applying. K. E. Golden. 1,952,588; Mar. 27.
- Electrostatic machine. C. A. Nickle. 1,947,220; Feb. 13.
- Electrostatic motor. T. T. Brown. 1,974,483; Sept. 25.
- Electrostatic potential difference measuring device. H. B. Marvin. 1,967,895; July 24.
- Electrostatic shielding material. L. Shapiro. 1,942,575; Jan. 9.
- Electrothermal dissociation of organic liquids. J. J. Jakosky. 1,965,925; July 10.
- Electrotype plates and the like, Apparatus for trimming and grooving. O. E. H. Ganskow. 1,947,843; Feb. 20.
- Electrotype plates, Backing. R. T. Haines. 1,943,526; Jan. 16.
- Element structure for electron devices. W. L. Krah. 1,980,068; Nov. 6.
- Elevated storage tank. B. M. Blackburn. Des. 91,508; Feb. 20.
- Elevated tank. B. M. Blackburn. 1,947,515; Feb. 20.
- Elevating and dumping device. A. R. Beck and J. S. Warren. 1,941,530; Jan. 2.
- Elevating and equalizing mechanism for wheeled vehicles. J. S. Stewart. 1,974,520; Sept. 25.
- Elevating apparatus. J. A. Frauen. 1,973,803; Sept. 18.
- Elevating device for car doors. C. Lute and K. J. Tobin. 1,985,867; Dec. 25.
- Elevator: See—
- Bucket elevator. Portable bucket elevator.
- Circuitous elevator. Portable elevator.
- Harrow elevator. Tail gate elevator.
- Elevator. C. E. Ellis, jr. 1,979,679; Nov. 6.
- Elevator. K. D. Fuller. 1,947,842; Feb. 20.
- Elevator. W. E. Hastings. 1,943,761; Jan. 16.
- Elevator. J. R. Jackson, jr. 1,957,140; May 1.
- Elevator. E. Phillips. 1,953,772; Apr. 3.
- Elevator. A. B. See. 1,980,230; Nov. 13.
- Elevator and conveyer. R. A. Browning, sr. 1,958,312; Apr. 24.
- Elevator and like apparatus. H. J. Graham. 1,970,304; Aug. 14.
- Elevator apparatus. N. Di Bartolomes. 1,960,869; May 29.
- Elevator apparatus. A. K. Tylee. 1,972,722; Sept. 4.
- Elevator apparatus, Hydraulic. F. Hodgkinson. 1,959,786; May 22.
- Elevator arrangement. D. L. Lindquist. 1,967,832; July 24.
- Elevator belt driving mechanism. A. E. Rothgarn. 1,954,493; Apr. 10.
- Elevator boot structure. A. P. Winter. 1,954,508; Apr. 10.
- Elevator cable strain-equalizing connection. W. P. Frost. 1,958,039; May 8.
- Elevator cleaning device. D. M. Binger. 1,942,590; Jan. 9.
- Elevator control. E. L. Dunn. 1,949,788; Mar. 6.
- Elevator control system. M. Baruch. 1,968,551; July 31.
- Elevator control system. J. H. Borden. 1,945,392; Jan. 30.
- Elevator control system. J. H. Borden. 1,963,484; June 19.
- Elevator control system. E. P. Butusov. 1,946,777; Feb. 13.
- Elevator control system. W. R. Davis. 1,955,325; Apr. 17.
- Elevator control system. R. E. De Camp. 1,962,389; June 12.
- Elevator control system. F. E. Lewis. 1,953,115; Apr. 3.
- Elevator control system. F. E. Lewis. 1,981,601; Nov. 20.
- Elevator control system. J. D. Lewis and W. H. Bruns. 1,960,820; May 29.
- Elevator control system. J. Podosin. 1,977,918; Oct. 23.
- Elevator control system. D. Santini. 1,985,060; Dec. 18.
- Elevator control system, Push button. H. B. Goldman. 1,972,015; Aug. 28.
- Elevator controller. G. C. Brown. 1,961,133; June 5.
- Elevator dispatching system. E. M. Bouton and F. E. Lewis. 1,942,236; Jan. 2.
- Elevator-dispatching system. C. E. Ellis, jr. 1,948,748; Feb. 27.
- Elevator dispatching system. H. R. Norton. 1,973,096; Sept. 11.
- Elevator equalizer. J. E. Evans. 1,973,850; Sept. 18.
- Elevator gate mechanism. L. H. Pranger. 1,970,818; Aug. 21.
- Elevator lubricator. E. R. McKenzie. 1,981,277; Nov. 20.
- Elevator mechanism. F. W. and C. S. Lagerquist. 1,977,484; Oct. 16.
- Elevator safety device. J. Dunlop. 1,948,746; Feb. 27.
- Elevator safety switch control. L. F. Hardeman. 1,974,848; Sept. 25.
- Elevator signal system and switching mechanism. S. B. Sanford. 1,968,427; July 31.
- Elevator signaling apparatus. C. Norton and P. Carmel. 1,955,388; Apr. 17.
- Elevator signaling mechanism. R. A. Neuschotz and W. Leibfried. 1,947,097; Feb. 13.
- Elevator signaling system. H. J. Fear and W. F. Dittman. 1,973,053; Sept. 11.
- Elevator system. J. H. Borden. 1,972,372; Sept. 4.
- Elevator system. C. F. Carney. 1,966,233; July 10.
- Elevator system. F. E. Lewis. 1,955,303; Apr. 17.
- Elevator system. F. V. McPealt. 1,946,982; Feb. 13.
- Elevator system. J. D. Wilson. 1,973,920; Sept. 18.
- Elevator system, Electric. R. W. Jones. 1,906,206; July 10.
- Eliminator. J. J. Grob. 1,978,938; Oct. 30.
- Emasculator. S. W. Thomas. 1,978,150; Oct. 23.
- Embalmer's apparatus. J. E. Brown. 1,945,419; Jan. 30.
- Embalmer's instrument. W. E. Richards. 1,945,656; Feb. 6.
- Embalming apparatus. W. C. Black. 1,942,407; Jan. 9.
- Embalming fluid control apparatus. J. H. Metcalf. 1,964,924; July 3.
- Emblem. F. L. and W. Borchert. 1,980,744; Nov. 13.
- Emblem. H. L. Magee. Des. 93,119; Aug. 21.
- Emblem or similar article. M. Biers. Des. 91,477; Feb. 13.
- Emblem, Safety. E. A. Krieg and A. T. Stromertz. Des. 93,772; Nov. 6.
- Embossed articles from plaster strip material. Apparatus for producing. F. D. Fowler. 1,942,398; Jan. 9.
- Embossing. L. E. Shaw. 1,985,300; Dec. 25.
- Embossing and printing machine. P. A. Gardner, jr. 1,943,068; Jan. 9.
- Embossing and printing machine. P. A. Gardner, jr. 1,948,911; Feb. 27.
- Embossing attachment for paper-making machines. A. E. Cofrin. 1,946,838; Feb. 13.
- Embossing machine. J. J. Bosdan. 1,972,547; Sept. 4.
- Embossing machine. B. Funk. 1,978,575; Oct. 30.
- Embossing machine. C. C. McCain. 1,961,156; June 5.
- Embroidered webbing. C. Stern. Des. 92,434-5; June 5.
- Embroidering in several colors with a single needle. C. Kleinert. 1,976,349; Oct. 9.
- Embroidering machine. H. Ghilardi. 1,953,801; Apr. 3.
- Emergency chain. L. D. Round and C. M. Power. 1,963,631; June 19.
- Emergency control for closed centrifuges. S. H. Hall. 1,982,296; Nov. 27.
- Emergency means of egress from elevator cars. M. S. M. Watts. 1,977,706; Oct. 23.
- Emergency slide. D. H. Yake. 1,958,877; May 15.
- Empty and load brake. E. E. Hewitt, F. B. Thomas, and E. R. Fitch. 1,960,338; May 29.
- Emptying device for bathing-tubs or the like. J. H. Morisseau. 1,980,493; Nov. 13.
- Emulsified compounds, Refining. R. H. Russell. 1,970,771; Aug. 21.
- Emulsifier. D. R. Davis. 1,981,031; Nov. 20.
- Emulsifier. K. E. McConnaughay. 1,941,808; Jan. 2.
- Emulsifier. L. P. Shropshire. 1,983,782; Dec. 11.
- Emulsifying agent. W. Todd and A. J. Hallwood. 1,981,292; Nov. 20.
- Emulsifying apparatus. H. T. Bonfield. 1,975,631; Oct. 2.
- Emulsifying media and manufacturing the same. R. Kern. 1,977,558; Oct. 16.
- Emulsion. H. J. Barrett and G. L. Dorrough. 1,967,220; July 24.
- Emulsion and its preparation. H. C. Cheetham. 1,976,433; Oct. 9.
- Emulsion and making the same, Photographic. E. Govett. 1,982,802; Dec. 4.
- Emulsion, Aqueous. H. A. Murray, jr., and G. D. Patterson. 1,970,572; Aug. 21.
- Emulsion, Bituminous. L. Kirschbraun. 1,948,881; Feb. 27.
- Emulsion, Bituminous. C. L. McKesson, L. G. Thompson, and W. D. Buckley. 1,973,991; Sept. 18.
- Emulsion containing certain disulphides as antifogants, Photographic. L. G. S. Brooker and C. J. Staud. 1,962,133; June 12.
- Emulsion containing dibenzoxycarboyanines. Photographic. L. G. S. Brooker. 1,962,123; June 12.
- Emulsion containing 8-substituted oxocarboyanines. Photographic. L. G. S. Brooker. 1,962,124; June 12.
- Emulsion containing for inhibitors, Photographic. S. E. Sheppard and W. Vanselow. 1,954,334; Apr. 10.
- Emulsion containing thiazolo-carboyanine dyes. Photographic. L. G. S. Brooker. 1,973,462; Sept. 11.
- Emulsion decomposing body. C. Fischer, jr., and W. T. Reddish. 1,941,886; Jan. 2.
- Emulsion, Photographic. L. G. S. Brooker. 1,942,854; Jan. 9.
- Emulsiozied materials, Preparing and applying. L. Ignace. 1,961,971; June 5.
- Emulsions, Aqualysis of. A. White. 1,956,603; May 1.
- Emulsions, Breaking oil-field petroleum-water. L. P. Curtin. 1,973,430; Sept. 11.
- Emulsions by the combined action of magnetic and electric fields. Process and apparatus for separating. C. H. M. Roberts. 1,949,660; Mar. 6.
- Emulsions, Manufacture of aqueous. J. M. Fain. 1,963,231; June 19.
- Emulsions, Method of and apparatus for resolving loose, H. F. Fisher. 1,947,704; Feb. 20.
- Emulsions of vegetable lecithin, Production of stable water-containing. F. W. Engelmann. 1,972,764; Sept. 4.
- Emulsions or dispersions, Producing. L. Kirschbraun and H. L. Levin. 1,960,112; May 22.
- Emulsions, Parting chemically treated. C. J. Robinson. 1,974,693; Sept. 25.
- Emulsions, Resolving. C. J. Robinson. 1,974,692; Sept. 25.
- Emulsions, Resolving. C. Tyler. 1,980,118; Nov. 6.
- Emulsions, Treating. W. F. Van Loenen. 1,944,479-80; Jan. 23.
- Emulsions, Treating of photographic. D. K. Allison. 1,954,512; Apr. 10.

- Emulsions, Treating water-in-oil. A. M. Herpsman. 1,959,824; May 22.
- Emulsions, Treatment of. T. A. Novotney and L. N. Hunter. 1,968,614; July 31.
- Emulsoids, Destroying the stability of. O. M. Urbain. 1,964,444; June 26.
- Enamel, Nonyellowing baking. H. H. Hopkins and F. S. Stewart. 1,983,460; Dec. 4.
- Enamel ware, Manufacture of. J. E. Rosenberg. 1,962,617; June 12.
- Enameled articles, Ornamenting. A. L. Cremona. 1,984,965; Dec. 18.
- Enameling apparatus. W. T. Christman and H. Dean. 1,962,635; June 12.
- Enameling apparatus. W. W. Galbreath and R. M. Chesney. 1,955,491; Apr. 17.
- Enameling composition. C. J. Kinzie. 1,944,938; Jan. 30.
- Enamels and making same. Vitreous. C. J. Kinzie and C. H. Commons, Jr. 1,949,479; Mar. 6.
- Enclosed arc lamp, Self-starting. C. H. Braselton. 1,980,032; Nov. 6.
- Enclosed switch. L. P. Cassidy. 1,959,903; May 22.
- Enclosing device for cigarettes and the like. J. W. Thompson. 1,957,802; May 1.
- Enclosure for beds. R. V. Riley. 1,948,048; Feb. 20.
- Enclosure for radiators. J. F. McIntire. 1,952,327; Mar. 27.
- Enclosures, Method and system for ventilating and tempering. W. H. Carrier. Re19,263; Aug. 7.
- End fold mechanism. C. G. Joa. 1,957,651; May 8.
- End gate. L. R. Harmon. 1,962,272; June 12.
- Endpiece for spectacles, Adjustable. E. Pappert. 1,964,828; July 3.
- End piece for spectacles or similar articles. E. Reynolds. Des. 91,543; Feb. 20.
- End piece for spectacles or similar articles. E. Reynolds. Des. 93,359; Sept. 18.
- End section for conveyors. R. S. Wentworth. 1,948,149; Feb. 20.
- Endless belt and seam construction therefor. E. V. Asten. 1,948,411; Feb. 20.
- Endless chain. O. S. Penn. 1,956,472; Apr. 24.
- Endless comb feeder. J. H. Fulmer. 1,972,516; Sept. 4.
- Endless conveyor. F. L. Furbush. 1,968,757; July 31.
- Endoscopic instrument and electrode element therefor. F. C. Wappler. 1,963,636; June 19.
- Ends on metal tubing, Forming solid. M. P. Graham. 1,964,258; June 26.
- Energy dissipator, High frequency. I. R. Weir. 1,958,255; May 8.
- Energy forms, Analyzing and translating. C. Müller. 1,943,898-9; Jan. 16.
- Energy in oscillatory form, Transmitting. G. H. Schieferstein. 1,976,978; Oct. 9.
- Energy measuring and recording mechanism. H. Nehls. 1,947,731; Feb. 20.
- Energy normally wasted in reducing the pressure of fluids, Apparatus and method of utilizing. C. S. Thompson. 1,946,182; Feb. 6.
- Energy translating apparatus. C. R. Hanna and E. F. Critchlow. 1,966,243; July 10.
- Energy translator. D. H. Cunningham, R. W. Carlisle, and S. V. Perry. 1,963,191; June 19.
- Engine: See—
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| Air compressor engine. | Parallel steam engine. |
| Compound steam engine. | Pneumatic engine. |
| Compressed air engine. | Reciprocating crosshead engine. |
| Diesel engine. | Rotary engine. |
| Differential engine. | Rotary gas engine. |
| Dividing engine. | Rotary piston engine. |
| Dual piston engine. | Rotary sleeve valve engine. |
| Fluid pressure engine. | Rotary steam engine. |
| Gas engine. | Steam engine. |
| Heavy-oil engine. | Two-stroke cycle engine. |
| Hoeing traction engine. | Variable stroke lever engine. |
| Injection engine. | Water power engine. |
| Internal combustion engine. | |
| Oil engine. | |
| Paper pulp refining engine. | |
- Engine. C. F. Bachle. 1,980,778; Nov. 13.
- Engine. J. Barels. 1,976,761; Oct. 16.
- Engine. A. C. Brownlee. 1,946,271; Feb. 6.
- Engine. H. E. Bucklen. 1,981,610; Nov. 20.
- Engine. S. F. Evelyn. 1,942,206; Jan. 2.
- Engine. J. O. Fink. 1,979,066; Oct. 30.
- Engine. R. F. Gatch. 1,952,495; Mar. 27.
- Engine. G. F. Hauke. 1,961,929; June 5.
- Engine. R. Insley and A. M. Niven. 1,964,061; June 26.
- Engine. J. W. Kinnucan. 1,979,071; Oct. 30.
- Engine. J. W. Kinnucan and J. O. Fink. 1,983,699; Dec. 11.
- Engine. J. H. Macartney and R. S. Stark. 1,955,755; Apr. 24.
- Engine. J. R. McVeigh. 1,953,184; Apr. 3.
- Engine. A. J. Meyer. 1,943,544; Jan. 16.
- Engine. A. J. Meyer. 1,944,013; Jan. 16.
- Engine. A. J. Meyer. 1,947,215; Feb. 13.
- Engine. A. J. Meyer. 1,953,185; Apr. 3.
- Engine. A. J. Meyer. 1,956,804-5; May 1.
- Engine. A. J. Meyer. 1,965,851; July 10.
- Engine. A. J. Meyer. 1,967,446; July 24.
- Engine. A. J. Meyer. 1,969,816; Aug. 14.
- Engine. A. J. Meyer. 1,973,856; Sept. 18.
- Engine. A. J. Meyer. 1,973,876; Sept. 18.
- Engine. A. J. Meyer. 1,979,075; Oct. 30.
- Engine. A. J. Meyer. 1,984,537; Dec. 18.
- Engine. A. J. Meyer. 1,985,296; Dec. 25.
- Engine. E. U. G. Reagan. 1,978,762; Oct. 30.
- Engine. J. Schick. 1,973,887; Sept. 18.
- Engine. V. M. Smith. 1,953,197; Apr. 3.
- Engine. H. H. Timian. 1,942,226-7; Jan. 2.
- Engine. H. H. Timian. 1,957,561; May 8.
- Engine. H. H. Timian. 1,961,466; June 5.
- Engine. H. H. Timian. 1,973,889; Sept. 18.
- Engine. H. H. Timian. 1,975,989-90; Oct. 9.
- Engine. W. Waddell. 1,979,058; Oct. 30.
- Engine and an engine employing such method, Operating an internal combustion. N. O. Brodersen. 1,947,375; Feb. 13.
- Engine and piston therefor, Internal combustion. S. G. Russell. 1,963,151; June 19.
- Engine and propeller arrangement chiefly adapted for aeroplanes and like aircraft. V. Ehmig. 1,971,645; Aug. 28.
- Engine and pulverulent fuel feeding device, Combined steam. A. M. Hunt. 1,945,778; Feb. 6.
- Engine and pump, Rotary. L. B. Thomas. 1,944,956; Jan. 30.
- Engine and similar machine, Internal combustion. F. Jehle. 1,958,004; May 8.
- Engine and structure therefor, Internal-combustion. C. Balough. 1,972,752; Sept. 4.
- Engine and transmission control. E. S. Bush. 1,955,845; Apr. 24.
- Engine and transmission control means. E. S. Bush. 1,943,057; Jan. 9.
- Engine apparatus, Producer gas. J. P. Imbert. 1,954,208; Apr. 10.
- Engine brake. B. Loeffler. 1,947,996; Feb. 20.
- Engine construction, Diesel. M. Rotter. 1,976,192; Oct. 9.
- Engine construction, Multiple cylinder. D. J. Dolan. 1,949,043; Feb. 27.
- Engine control, Temporary. D. J. Dolan. 1,962,433; June 12.
- Engine control, Temporary. D. J. Dolan and F. R. Higley. 1,962,434; June 12.
- Engine controlling apparatus. J. W. Allen. 1,952,229; Mar. 27.
- Engine controlling apparatus. R. M. Nardone. 1,948,993; Feb. 27.
- Engine cooling system. D. B. Worth. 1,974,907; Sept. 25.
- Engine cylinder block, Air cooled. C. S. Brown. 1,963,487; June 19.
- Engine cylinder burnishing device. J. Sunnen. 1,944,955; Jan. 30.
- Engine drive mechanism. R. Abell. 1,974,555; Sept. 25.
- Engine drive mechanism. R. Abell. 1,984,297; Dec. 11.
- Engine electric generating set, Internal combustion. F. Gossau. 1,972,441; Sept. 4.
- Engine-electric installation for vehicles, Internal combustion. O. Simmen. 1,941,500; Jan. 2.
- Engine especially for hydraulic transmissions, High pressure rotary. E. Sturm. 1,943,637; Jan. 16.
- Engine exhaust heater, Internal combustion. C. A. Schmidt and A. B. Ashton. 1,946,885; Feb. 13.
- Engine for operating presses. R. F. Morrison. 1,975,369-70; Oct. 2.
- Engine for operating vehicle or other doors by compressed air. C. H. Cardwell and R. I. D. Arthurton. 1,966,608; July 17.
- Engine for steam-driven locomotives, Auxiliary. R. Langner and L. Hladik. 1,981,181; Nov. 20.
- Engine fuel heater. J. W. McMaster and C. Wallace. 1,958,833; May 15.
- Engine hood, Automobile. G. A. Conarroe. 1,981,093; Nov. 20.
- Engine lubrication. E. R. Spiegel and W. L. Wilson. 1,981,290; Nov. 20.
- Engine manifold. A. A. Catlin and H. W. Asire. 1,984,010; Dec. 11.
- Engine, motor, compressor, and the like, Rotary. H. C. Phillips. 1,974,122; Sept. 18.
- Engine mount, Resilient. H. D. Geyer. 1,964,432; June 26.
- Engine mounting, Internal combustion. R. K. Lee. 1,975,960; Oct. 9.
- Engine of the Diesel, semi-Diesel, compression ignition, or injection type, Internal combustion. J. J. E. Sloan. 1,982,146; Nov. 27.
- Engine oiling system. W. F. Davis. 1,941,974; Jan. 2.
- Engine or the like, Rotary. E. A. Weaver. 1,968,113; July 31.
- Engine piston, Steam. V. W. Ellet. 1,970,132; Aug. 14.
- Engine plant. J. N. Kiep. 1,953,486; Apr. 3.
- Engine power lift, Internal combustion. M. Du Bois. 1,963,780; June 19.
- Engine power unit for vehicles, Internal combustion. O. Simmen. 1,975,624; Oct. 2.
- Engine regulating means, Steam. B. B. Milner. 1,961,673; June 5.
- Engine scavenging and charging, Two-cycle. E. B. Polister. 1,979,770; Nov. 6.
- Engine set. F. Baudot. 1,963,432; June 19.
- Engine signal switch. A. Kerkak. 1,957,106; May 1.
- Engine speed and fuel control means. A. C. Boock. 1,964,497; June 26.
- Engine starter control. W. L. McGrath. 1,962,252; June 12.
- Engine starting apparatus. R. Bertsche, jr. 1,983,787; Dec. 11.

- Engine starting apparatus. R. Chilton. 1,952,839; Mar. 27.
- Engine starting apparatus. R. Chilton. 1,958,657; May 15.
- Engine starting apparatus. J. B. Dyer. 1,952,124; Mar. 27.
- Engine starting apparatus. R. P. Lansing. 1,962,397; June 12.
- Engine starting apparatus. R. M. Nardone. 1,951,487; Mar. 20.
- Engine starting assembly. F. D. Butler. 1,972,867; Sept. 11.
- Engine starting mechanism. C. P. Brockway. 1,980,662; Nov. 13.
- Engine starting mechanism. C. H. Davis, jr. 1,978,524; Oct. 30.
- Engine starting mechanism. R. P. Lansing. 1,952,262-3; Mar. 27.
- Engine starting mechanism. R. P. Lansing. 1,953,717; Apr. 3.
- Engine starting mechanism. R. P. Lansing. 1,971,986; Aug. 28.
- Engine starting mechanism. R. P. Lansing. 1,973,288-9; Sept. 11.
- Engine starting mechanism. R. P. Lansing. 1,975,047; Sept. 25.
- Engine starting mechanism. R. M. Nardone. 1,951,030-2; Mar. 13.
- Engine starting mechanism. R. M. Nardone. 1,965,050; July 3.
- Engine starting system. J. Good. 1,983,849; Dec. 11.
- Engine troubles, Locating. E. L. Eaton. 1,977,230; Oct. 16.
- Engine valve. S. E. Olenick. 1,960,709; May 29.
- Engine valve. W. H. Taylor. 1,959,394; May 22.
- Engine valve gear. A. D. and L. R. Baker. 1,946,659; Feb. 13.
- Engine valve gear, Gas. C. G. Sprado. 1,961,461; June 5.
- Engine with air and pressure reservoir, Diesel. F. Lang. 1,954,082; Apr. 10.
- Engine with an oscillating blade or blades for the development of power. W. H. Robertson and J. H. Lewis. 1,955,148; Apr. 17.
- Engines against backfiring, Device for protecting internal combustion. H. Feuillée. 1,944,418; Jan. 23.
- Engines, Apparatus for fueling. H. A. Guthrie. 1,960,243; May 29.
- Engines, Apparatus for testing spray jets of Diesel. J. G. Oetzel. 1,956,247; Apr. 24.
- Engines, Construction for internal combustion. R. S. Blair. Re19,131; Apr. 3.
- Engines, etc., Controlling. R. L. Nafziger. 1,956,978; May 1.
- Engines, Governing Diesel marine. V. Heidelberg. 1,958,751; May 15.
- Engines, Improving the efficiency of internal combustion. H. B. Lewis. 1,961,444; June 5.
- Engines, Internal combustion. C. Bugaud. 1,954,916; Apr. 17.
- Engines, Mechanism for controlling the admission of air to internal combustion. K. J. E. Hesselman. 1,943,312; Jan. 16.
- Engines, Operating internal combustion. W. H. Graves. 1,970,088; Aug. 14.
- Engines, Scavenging and charging of two-cycle. E. B. Pollister. 1,978,816; Oct. 30.
- Engines, Starting Diesel. E. Schimanek. 1,959,041; May 15.
- Engines, Starting internal combustion. M. Caserta. 1,971,767; Aug. 28.
- Engines, Starting internal combustion. A. G. Forsyth. 1,956,896; May 1.
- Engines, Wearing part for internal combustion. C. G. Fink and C. H. Eldridge. 1,956,014; Apr. 24.
- Engraved plates for printing on rotary presses, Preparing original. G. S. Upshaw. 1,976,640; Oct. 9.
- Engraving machine. G. Gorton and P. M. Henkes. 1,964,319; June 26.
- Engraving machine. H. B. Scott and E. Warner. 1,984,552; Dec. 18.
- Ensemble costume. C. Jaccarino. Des. 92,657; July 3.
- Entrails, Apparatus for defatting. W. Miller. 1,984,227; Dec. 11.
- Entrance doorlock. W. R. Schlage. 1,944,470; Jan. 23.
- Envelope. E. F. Ahlquist. 1,963,639; June 19.
- Envelope. C. E. Cather. 1,977,042; Oct. 16.
- Envelope. P. E. Drachman. 1,957,704; May 8.
- Envelope. H. B. Dygert and L. S. Metcalfe. 1,948,290; Feb. 20.
- Envelope. E. W. Hayes. 1,944,980; Jan. 30.
- Envelope. B. Kaplan. 1,956,517; Apr. 24.
- Envelope. J. W. McDonald. 1,974,339; Sept. 18.
- Envelope. H. McLaughlin. 1,941,847; Jan. 2.
- Envelope. E. A. Olson. 1,985,103; Dec. 18.
- Envelope. T. F. Phillippi. 1,952,888; Mar. 27.
- Envelope. L. G. Reineman. 1,966,904; July 17.
- Envelope. M. Reiner. 1,983,400; Dec. 4.
- Envelope. S. Schwartz. 1,969,428; Aug. 7.
- Envelope. W. E. Swift. 1,984,901; Dec. 18.
- Envelope. E. G. Vallier. 1,947,815; Feb. 20.
- Envelope. M. Vogel. 1,944,020; Jan. 16.
- Envelope. S. S. Wilcox. 1,984,559; Dec. 18.
- Envelope. H. N. Will. 1,957,684; May 8.
- Envelope, Adjustable attachment. R. L. Gray. 1,953,852; Apr. 3.
- Envelope and blank therefor. E. G. Moore. 1,943,688; Jan. 16.
- Envelope and hinge, Transparent stamp display. O. P. Leth. 1,956,392; Apr. 24.
- Envelope and letter sheet, Combined. P. J. Ihling. 1,958,755; May 15.
- Envelope and making same, Pocket. A. Wilson and S. G. Brick. 1,980,241; Nov. 13.
- Envelope blanks, Manufacture of one-piece window. E. W. Sauerman. 1,951,445; Mar. 20.
- Envelope, Combination. E. G. Vallier. 1,958,979; May 15.
- Envelope construction. E. B. Berkowitz. 1,963,190; June 19.
- Envelope construction. F. S. McCullough. 1,985,324; Dec. 25.
- Envelope container. W. H. Vaughn. 1,979,917; Nov. 6.
- Envelope, Duplex. A. C. Benedict. 1,976,321; Oct. 9.
- Envelope, Duplex. H. Levine. 1,951,287; Mar. 13.
- Envelope, Duplex. G. W. Wilde. 1,951,955; Mar. 20.
- Envelope end-folding attachment for cigar-foiling machines, Cellophane. T. W. Alm and M. Pedersen. 1,964,020; June 26.
- Envelope fastener. J. W. Fitzgerald. 1,957,706; May 8.
- Envelope fastener container. H. Levine. 1,967,149; July 17.
- Envelope fasteners, Mechanism for forming and feeding metallic. G. A. Anderson. 1,949,704; Mar. 6.
- Envelope for aircraft, Gas bag. E. E. Sabin. 1,944,467; Jan. 23.
- Envelope for photographic films, Individual. G. A. Raguin. 1,950,863; Mar. 13.
- Envelope letter. A. H. Woodward. 1,954,971; Apr. 17.
- Envelope machine. L. Stone and F. W. McArdle. 1,951,040; Mar. 13.
- Envelope moisture. C. G. MacDermed. Des. 92,970; Aug. 7.
- Envelope moistener and sealer. A. S. Kirschner. 1,970,460; Aug. 14.
- Envelope opening device. F. H. Smith. 1,963,873; June 19.
- Envelope or container. W. F. Irrgang. 1,972,995; Sept. 11.
- Envelope or container. W. E. Swift. 1,981,440; Nov. 20.
- Envelope or like container. F. A. Buholzer and G. Schock. 1,957,626-7; May 8.
- Envelope, Receipt. L. P. Woodward. 1,985,592; Dec. 25.
- Envelope, Rip string. W. E. Swift. 1,954,271; Apr. 10.
- Envelope sealing machine. A. Gay. 1,957,827; May 8.
- Envelope, Shirt. L. Blumenstock. 1,962,121; June 12.
- Envelope, Two-way. W. M. Rossiter. 1,953,192; Apr. 3.
- Envelope, Window. E. G. Overly. 1,964,595-6; June 26.
- Envelopes, etc., Continuous production of. F. Klinger. 1,944,794; Jan. 23.
- Envelopes, Making. C. H. Smith. 1,985,194; Dec. 18.
- Envelopes, Manufacture of window. P. Becker and F. Poppenburger. 1,974,098; Sept. 18.
- Envelopes of the open end type, Method and machine for making. A. Novick. 1,943,935; Jan. 16.
- Enzymes from figs, mulberries, papayas, pineapples and bananas, Extracting proteolytic. C. Wada. 1,959,750; May 22.
- Enzymes, Preparing. G. Sperti. 1,943,633; Jan. 16.
- Ephedrin homologue and its salts, Synthetically producing. C. Nagar. 1,973,647; Sept. 11.
- Ephedrine ethyl mercuri-thiosalicylate. E. H. Stuart. 1,954,432; Apr. 10.
- Epichlorhydrin-amine condensation product. O. Stallmann. 1,977,253; Oct. 16.
- Epichlorhydrin and ammonia condensation product. O. Stallmann. 1,977,251; Oct. 16.
- Equalizer for hydraulic brakes. H. C. Bowen. 1,969,872; Aug. 14.
- Equalizer seat cushion. W. H. Mussey. 1,941,996; Jan. 2.
- Equalizing and shock-absorbing means for vehicles. C. B. Huntman. 1,971,959; Aug. 28.
- Equalizing bearing. E. E. Greve. 1,968,199; July 31.
- Equalizing device for high pressure valves. R. A. Mueller. 1,961,380; June 5.
- Equalizing device for rayon spinning. G. M. Allen. 1,974,323; Sept. 18.
- Equalizing mechanism. E. F. Muller. 1,971,949; Aug. 28.
- Equalizing mechanism. E. A. Nelson. 1,950,259; Mar. 6.
- Equipment for dog race-tracks. G. W. Heintz. 1,965,287; July 3.
- Equipment for supplying current impulses. M. Amann. 1,946,891; Feb. 13.
- Eraser. E. A. Clavey. 1,967,186; July 17.
- Eraser and retrieving device therefor. A. K. Greenwood. 1,963,326; June 19.
- Eraser attachment for pencils and the like. W. C. Henwood. 1,976,667; Oct. 9.
- Eraser, Blackboard. A. A. Elnett. 1,942,205; Jan. 2.
- Eraser for lead pencils, Adjustable rubber. W. F. Boast. 1,985,307; Dec. 25.
- Eraser head for lead pencils or similar articles, Rubber. H. A. Held. Des. 92,174; May 8.
- Eraser holder. F. M. Hale. 1,942,283; Jan. 2.
- Eraser, Pencil. K. A. Garvey. 1,943,792; Jan. 16.
- Eraser tip for pencils. H. B. Van Dorn. Des. 91,575; Feb. 20.
- Eraser, Typewriter. J. G. Ziegler and A. W. Carlson. 1,978,778; Oct. 30.
- Erasing shield. F. H. Gibson. 1,969,603; Aug. 7.

- Ergot and making same. Preparation of. M. R. Thompson. 1,967,564; July 24.
- Error compensating device for radiogoniometers. E. Belini. 1,941,457; Jan. 2.
- Errors in telegraph reception, System for automatically detecting. H. Angel. 1,972,326; Sept. 4.
- Escapement mechanism for typewriting machines. F. H. Trego. 1,964,750; July 3.
- Escutcheon. F. Kaupmann. Des. 91,882; Apr. 3.
- Ester composition containing an alkyl ester of an aryl-substituted malonic acid, Cellulose organic. H. B. Smith. 1,966,317; July 10.
- Ester composition containing an ester of tetrahydrofurfuryl alcohol, Cellulose organic. E. R. Taylor and H. B. Smith. 1,981,398; Nov. 20.
- Ester composition of matter containing a benzyl ether of diethylene glycol, Cellulose organic. S. J. Carroll. 1,957,878; May 8.
- Ester compounds, Manufacturing acetyl. K. Suganuma and K.-I. Goto. 1,968,179; July 31.
- Ester, High molecular cellulose. M. Hagedorn. 1,966,757; July 17.
- Ester of hydroxybenzoic acid. L. P. Kyrides. 1,979,559; Nov. 6.
- Ester of polycarboxylic acids. E. E. Reid and G. L. Schwartz. 1,984,283; Dec. 11.
- Ester of polycarboxylic acids containing one or more alkoxy methylene groups and their production. L. Nicholl. 1,984,982; Dec. 18.
- Ester of 3,3'-difluoro-dianthrhydroquinone-azines, Sulphuric. L. J. Hooley, R. F. Thomson, and D. A. W. Fairweather. 1,970,654; Aug. 21.
- Ester of 2-carboxy-5-amino-diphenyl. W. S. Jones and W. Braker. 1,978,940; Oct. 16.
- Esters, and making the same. J. H. Werntz. 1,963,108; June 19.
- Esters and preparing same. G. D. Graves. 1,944,887; Jan. 30.
- Esters, Continuous process for producing. T. S. Carswell, E. T. Stehly, and N. J. G. Alozerij. 1,945,177; Jan. 30.
- Esters, Decolorizing. F. D. Smith. 1,948,281; Feb. 20.
- Esters derived from sulphonated phthalic acid and making same. O. Albrecht. 1,957,155; May 1.
- Esters, Manufacture of. L. P. Brezinski and P. K. Frolich. 1,951,747; Mar. 20.
- Esters, Manufacture of. F. A. F. Crawford. 1,967,551; July 24.
- Esters, Manufacture of. K. R. Edlund. 1,952,125; Mar. 27.
- Esters, Manufacture of cellulose mixed. M. Hagedorn and P. Möller. 1,975,897; Oct. 9.
- Esters, Manufacture of organic. W. S. Wilson. 1,979,515-16; Nov. 6.
- Esters, Mixed cellulose. A. Weihe and K. Thinius. 1,980,306; Nov. 13.
- Esters of abietic acids and preparing the same, Sulphoalkyl. H. J. Weiland, C. O. Henke, and M. A. Prah. 1,984,714; Dec. 18.
- Esters of acrylic acid, Making. W. Bauer and H. Lauth. 1,951,782; Mar. 20.
- Esters of carvacrol and their production. C. Philipp. 1,957,908; May 8.
- Esters of cellulose acetate phthalate, Preparation of benzyl. C. J. Staud and W. O. Kenyon. 1,984,094; Dec. 11.
- Esters of cellulose in an ester of a halogenated fatty acid, Production of mixed. C. J. Malm and C. E. Fordyce. 1,962,829; June 12.
- Esters of cellulose, Manufacture of mixed. C. J. Malm. 1,946,632; Feb. 13.
- Esters of cellulose, Preparation of halogenated fatty acid. C. J. Malm and C. R. Fordyce. 1,969,468; Aug. 7.
- Esters of cellulose, Purification of organic. J. Scheidegger. 1,959,446; May 22.
- Esters of ethylene dicarboxylic acids, Polymerization of. H. B. Dykstra. 1,945,307; Jan. 30.
- Esters of organic acids, Production of. J. R. Buckley and C. A. Doran. 1,949,267; Feb. 27.
- Esters of organic carboxylic and sulphonic acids, Production of alkoxyalkyl. H. Bertsch. 1,967,655; July 24.
- Esters of phenoxy fatty acids, Polyglycol. M. N. Dvornikoff. 1,974,810; Sept. 25.
- Esters of secondary alcohols. R. H. Van Schaack, Jr. 1,949,093; Feb. 27.
- Esters of sulpo-propane-diol and preparing the same, Abietyl. H. J. Weiland, C. O. Henke, and G. Etzel. 1,984,713; Dec. 18.
- Esters of thiophosphoric acid, Organic. E. Clemmensen. 1,982,903; Dec. 4.
- Esters of 2-ethylbutanol-1. J. N. Wickert. 1,972,579; Sept. 4.
- Esters of unsubstituted and alpha-substituted cyclopentenylacetic acid and their production. R. Chaux. 1,965,792; July 10.
- Esters, Plasticizing. A. M. Muckenfuss and V. L. Hansley. 1,975,697; Oct. 2.
- Esters, Preparation of organic. W. E. Vail. 1,979,717; Nov. 6.
- Esters, Preparing. H. Bertsch. 1,947,673; Feb. 20.
- Esters, Preparing. H. Bertsch. 1,951,784-5; Mar. 20.
- Esters, Producing sulphuric. R. M. Deanesly. 1,955,873; Apr. 24.
- Esters, Production of rosin. D. C. Butts. 1,979,671; Nov. 6.
- Esters, Purification of. J. P. Burke and C. A. Doran. 1,963,968; June 26.
- Etching a metal graining plate. J. A. Burns. 1,968,370; July 31.
- Etching machine. W. Guent. 1,947,391; Feb. 13.
- Etching machine. W. McKay. 1,961,773; June 5.
- Ethanol, Halogenated. E. Goth, F. Kayser, and M. Kühn. 1,979,614; Nov. 6.
- Ether containing halogen, Basic. M. Hartmann and H. Isler. 1,949,046; Feb. 27.
- Ether-derivatives of 1-benzyl-3-methyl-isoquinoline, Manufacture of. O. Wolfes. 1,941,647; Jan. 2.
- Ether of polyvinyl alcohol. A. Schmidt, G. Balle, and K. Einfeld. 1,971,662; Aug. 28.
- Ether package and packaging ether. J. Rosin. 1,946,502; Feb. 13.
- Ether, Preparation of methyl. J. C. Woodhouse. 1,949,344; Feb. 27.
- Ether, Preserving. E. Mallinckrodt, jr., and H. V. Farr. 1,961,936; June 5.
- Ether, Purification of. W. G. Christiansen and R. van Winkle. 1,971,930; Aug. 28.
- Ethers of amino-beta-hydroxyanthraquinones, Alkyl. W. Albrecht and J. Mueller. 1,964,971; July 3.
- Ethers of aromatic polyhydroxy compounds, Manufacture of monoalkyl. K. Marx and E. Lehmann. 1,966,635; July 17.
- Ethers of cellulose and new products of this class, Making. C. Gränacher and K. Meier. 1,973,478; Sept. 11.
- Ethers of 1,4-dihydroxy anthracene, Mono alkyl. G. Kränzlein and E. Runne. 1,979,628; Nov. 6.
- Ethers of polyhydric alcohols and their production, Hydroxy-alkyl. O. Schmidt and E. Meyer. 1,959,930; May 22.
- Ethers, Process and products relating to tertiary. T. Evans and K. R. Edlund. 1,968,033; July 31.
- Ethers, Producing polynaphthyl. M. A. Dahlen, C. K. Black, and W. L. Foohey. 1,979,145; Oct. 30.
- Ethers, Production of. C. Schumann and H. Ufer. 1,961,987; June 5.
- Ethers, Production of polynaphthyl. M. A. Dahlen, C. K. Black, and W. L. Foohey. 1,979,144; Oct. 30.
- Ethers, Production of vinyl. W. Reppe. 1,959,927; May 22.
- Ethyl barbituric compound, Secondary-butyl-carbinyl. H. A. Shonle. 1,977,561; Oct. 16.
- Ethyl chloride from petroleum refinery gas, Manufacture of. E. B. Hjerpe and W. A. Gruse. 1,944,839; Jan. 23.
- Ethylene and preparation of alkyl halides from olefine mixtures, Separation of. H. S. Nutting, P. S. Petrie, D. H. Groope, and M. E. Huscher. 1,985,457; Dec. 25.
- Ethylene from gaseous olefine mixtures containing the same, Recovering. H. G. Watts. 1,977,659; Oct. 23.
- Ethylene glycol, Making. K. E. Skärblom. 1,982,545; Nov. 27.
- Ethylene glycol phthalate. C. L. Gabriel and L. C. Swallen. 1,946,202; Feb. 6.
- Ethylene in strong acids, Absorbing. A. J. van Peski. 1,979,018; Oct. 30.
- Evacuating process. A. Mutscheller. 1,950,008; Mar. 6.
- Evaporating apparatus. H. Leithäuser. 1,945,281; Jan. 30.
- Evaporating device. C. Dupuy. 1,974,414; Sept. 25.
- Evaporating device for refrigerating systems. W. A. Owen. 1,984,758; Dec. 18.
- Evaporating processes, Method and apparatus for the control of. M. Hecht and D. S. McKinney. 1,971,816; Aug. 28.
- Evaporating unit for refrigeration. M. T. Zeigler. 1,976,101; Oct. 9.
- Evaporative cooling. W. J. Caldwell. 1,985,338; Dec. 25.
- Evaporator. C. L. Burnham. 1,943,106; Jan. 9.
- Evaporator. M. J. Kermer. 1,941,693; Jan. 2.
- Evaporator. A. Lenning. 1,962,512; June 12.
- Evaporator. C. E. L. Lipman. 1,954,015; Apr. 10.
- Evaporator. H. E. Thompson. 1,952,827; Mar. 27.
- Evaporator. G. A. Vis. 1,945,103; Jan. 30.
- Evaporator for absorption machines, Single. E. Kinderman. 1,947,780; Feb. 20.
- Evaporator for refrigerating devices. R. H. Money. 1,975,659; Oct. 2.
- Evaporator for refrigerating systems. W. E. Beline. 1,951,007; Mar. 13.
- Evaporator for refrigerating tanks, Coil type. B. F. Ku-baugh. 1,952,553; Mar. 27.
- Evaporator for refrigerators. G. W. Mason. 1,968,048; July 31.
- Evaporator for refrigerators. L. A. Philipp. 1,983,990; Dec. 11.
- Evaporator structure. F. G. Slagel. 1,953,269; Apr. 3.
- Evaporator with counter-current condensation for fractional liquefaction, Concurrent. M. Fränkl. 1,963,841; June 19.
- Evaporators and like apparatus particularly in connection with elastic fluid turbine plants, Method of and arrangement for regulating. D. F. Warner. 1,974,976; Sept. 25.
- Excavating implement. J. P. Murtaugh. 1,945,064; Jan. 30.
- Excavating machine. L. M. Atkinson. 1,973,136; Sept. 11.
- Excavating machine. L. P. Green. 1,958,269; May 8.
- Excavating machine. G. B. Heffelfinger. 1,951,410; Mar. 20.
- Excess demand meter. W. Beusch. 1,955,270; Apr. 17.

- Excess pressure regulator. E. T. McCarthy. 1,959,105; May 15.
- Exchange system for electrical communications. F. Rumpf. 1,962,619; June 12.
- Excitation of loud speaker motors. T. A. Hunter. 1,950,798; Mar. 13.
- Excitation system for dynamo-electric machines. S. J. Vouch. 1,980,775; Nov. 13.
- Excrement receptacle. W. W. Thuren. 1,978,871; Oct. 30.
- Excursion outfit, Convertible. P. Bellavia. 1,941,652; Jan. 2.
- Exerciser. H. F. Husted. 1,982,872; Dec. 4.
- Exerciser. F. E. Wolcott. 1,969,247-8; Aug. 7.
- Exerciser. S. K. Wolff. 1,954,762; Apr. 10.
- Exercising and amusement device. J. Marziani and N. Casini. 1,984,591; Dec. 18.
- Exercising and amusement device, Combined. J. J. Char- ters. 1,966,848; July 17.
- Exercising and massaging apparatus, Combination. M. I. Chavin and A. J. Bennett. 1,973,945; Sept. 18.
- Exercising apparatus. J. R. H. Duke. 1,956,498; Apr. 24.
- Exercising apparatus. W. P. Hayes. 1,952,548; Apr. 27.
- Exercising apparatus. T. A. Hunter. 1,980,861; Nov. 13.
- Exercising apparatus. V. C. Luppert. 1,983,911; Dec. 11.
- Exercising apparatus. A. F. Luzzi. 1,950,896; Mar. 13.
- Exercising apparatus. C. W. Preston. 1,965,511; July 3.
- Exercising apparatus. C. H. Willner. 1,973,593; Sept. 11.
- Exercising apparatus. M. B. Wrobley. 1,952,830; Mar. 27.
- Exercising apparatus. M. B. Wrobley. 1,975,382; Oct. 2.
- Exercising appliance. J. M. Thomson and J. F. Mulhern. 1,981,379; Nov. 20.
- Exercising device. F. L. Gailey. 1,952,750; Mar. 27.
- Exercising device. T. A. Hunter. 1,953,857; Apr. 3.
- Exercising device. C. G. Purdy. 1,953,088; Apr. 3.
- Exercising device. W. C. Sanford. 1,975,020; Sept. 25.
- Exercising device. D. Turner. 1,969,165; Aug. 7.
- Exercising machine. E. A. Calleson. 1,974,445; Sept. 25.
- Exercising machine. H. Casler and T. Williams. 1,980,036; Nov. 6.
- Exercising machine. J. B. Harrison. 1,950,174; Mar. 6.
- Exercising machine. T. Williams and H. Casler. 1,979,783; Nov. 6.
- Exhaust and apparatus therefor. H. J. Nolte. 1,981,523; Nov. 20.
- Exhaust box. J. T. Tucker. 1,954,372; Apr. 10.
- Exhaust device for internal combustion engines. W. B. Sommer. 1,984,707; Dec. 18.
- Exhaust machine. A. B. Dumont and R. M. Zimmer. 1,967,571; July 24.
- Exhaust manifold and muffler, Combined. C. E. Hathorn. 1,947,987; Feb. 20.
- Exhaust silencer. E. de La Gabbe. 1,949,041; Feb. 27.
- Exhaust silencer. T. Transiskus. 1,949,667; Mar. 6.
- Exhaust steam injector. J. F. Griffin. 1,975,506; Oct. 2.
- Exhaust system. J. A. Paasche. 1,980,224; Nov. 13.
- Exhaust system, Indirect. A. R. Clark. 1,942,048; Jan. 2.
- Exhaust ventilator. E. L. Ford and R. J. Rew. 1,968,936; Aug. 7.
- Exit control device. H. J. Venard. 1,967,521; July 24.
- Expander for piston rings. M. W. Marien. 1,942,968; Jan. 9.
- Expanding brake. A. F. Adkins. 1,980,947; Nov. 13.
- Expanding brake, Internal. A. N. Baumann. 1,950,836; Mar. 13.
- Expandable abrading tool. J. E. Sims. 1,960,555; May 29.
- Expandable chamber motor. W. Zwyer. 1,965,064; July 3.
- Expandable container. N. Ottinger. 1,984,150; Dec. 11.
- Expandable wheel. J. Levoy. 1,965,707; July 10.
- Expandable wheel. J. Levoy and A. H. Green. 1,971,653; Aug. 28.
- Expansion chamber. F. G. Bovard. 1,961,331; June 5.
- Expansion engine, Multiple. W. Klein and G. Moering. 1,979,161; Oct. 30.
- Expansion fit, Making or separating an. W. H. Emrick. 1,980,156; Nov. 6.
- Expansion head. J. M. Hewgley. 1,942,598; Jan. 9.
- Expansion joint. C. Bogart. 1,972,084; Sept. 4.
- Expansion joint. E. E. Hall and W. H. Eichelman. 1,958,391; May 8.
- Expansion joint. E. E. Hall and W. H. Eichelman. 1,978,305; Oct. 23.
- Expansion joint. H. N. Henderson. 1,948,916; Feb. 27.
- Expansion joint. C. J. Pater. 1,961,077; May 29.
- Expansion joint. R. C. Walton and H. T. Gudgen. 1,947,072; Feb. 13.
- Expansion joint, Duo-self-equalizing. J. P. Zallea. 1,971,928; Aug. 28.
- Expansion joint, Polymerized, bituminous, premolded. A. C. Fischer. 1,982,506; Nov. 27.
- Expansion mechanism for oil heating systems. J. A. Reavell. 1,951,560; Mar. 20.
- Expansion ring and tool for contracting same. J. E. Olen. 1,958,638; May 15.
- Expansion switch. F. Kesselring. 1,948,761; Feb. 27.
- Expansion valve. G. Lidseu. 1,970,806; Aug. 21.
- Expansion valve. H. H. Marshall. 1,957,548; May 8.
- Expansion valve. C. E. Ploeger. 1,971,695; Aug. 28.
- Explosion chambers. Apparatus for charging. H. Holz- warth. 1,982,666; Dec. 4.
- Explosion-proof lamp. G. Wheat. 1,973,132; Sept. 11.
- Explosive. A. S. Fox and F. Rape. 1,979,681; Nov. 6.
- Explosive. G. B. Holderer. 1,960,907; May 29.
- Explosive. A. C. Scott. 1,950,038; Mar. 6.
- Explosive. A. C. Scott. 1,964,222; June 26.
- Explosive. H. G. Tanner. 1,966,652; July 17.
- Explosive, Blasting. W. de C. Crater. 1,945,344; Jan. 30.
- Explosive charge. P. G. Wrightsman. 1,975,186; Oct. 2.
- Explosive charges capable of being poured or cast, Pro- duction of ammonium nitrate base. P. Naoum and R. v. Sommerfeld und Falkenbayn. 1,968,158; July 31.
- Explosive coating material. N. G. Johnson and H. A. Lewis. 1,972,938; Sept. 11.
- Explosive combustion boiler. J. C. Doucha. 1,974,177; Sept. 18.
- Explosive composition. K. T. Gent and N. G. Johnson. 1,963,619; June 19.
- Explosive composition. H. A. Lewis and C. A. Woodbury. 1,963,627; June 19.
- Explosive composition. C. A. Woodbury. 1,964,755; July 3.
- Explosive composition. C. A. Woodbury. 1,965,731; July 10.
- Explosive composition and method of making. C. A. Wood- bury. 1,944,910; Jan. 30.
- Explosive composition, Gelatinized high. H. H. Fassnacht. 1,966,090; July 10.
- Explosive materials, Manufacture of. W. Friederich. 1,962,065; June 5.
- Explosive motor. R. Beckman. 1,985,595; Dec. 25.
- Explosive, Propellent. R. Burns and O. W. Stickland. 1,943,421; Jan. 16.
- Explosive substance containing ammonium nitrate, Manu- facturing an. L. E. D. Callery. 1,975,682; Oct. 2.
- Explosives from a container, Method of and apparatus for liquefying and recovering. H. S. Deck and P. V. Di Cosmo. 1,958,420; May 15.
- Exposure meter. H. Tönnies. 1,982,406; Nov. 27.
- Extensible chair. A. J. May. 1,950,619; Mar. 13.
- Extensible chair. A. J. May. 1,959,682; May 22.
- Extensible device. C. Faure-Roux. 1,962,585; June 12.
- Extensible table. P. A. Arsenault. 1,945,213; Jan. 30.
- Extension attachment. B. H. Bromley. 1,952,621; Mar. 27.
- Extension card table. C. Stern. 1,967,979; July 24.
- Extension cord reel. G. Fisler. 1,945,602; Feb. 6.
- Extension device. H. Sargent. 1,964,216; June 26.
- Extension for table legs. O. J. Arness. 1,957,194; May 1.
- Extension for tractor trucks, Detachable. H. B. Haines. 1,942,475; Jan. 9.
- Extension for tractor trucks, Detachable. W. M. Huston. 1,963,408; June 19.
- Extension handle. J. L. Bennett. 1,982,629; Dec. 4.
- Extension ladder latch. M. W. Smith. 1,950,574; Mar. 13.
- Extension lamp flashlight. G. G. Gunderson. 1,959,979; May 22.
- Extension leaf table. O. Landaw. 1,949,800; Mar. 6.
- Extension rod, Adjustable expansive. S. C. Brody. 1,966,283; July 10.
- Extension table. C. L. Creech, jr. 1,950,021; Mar. 6.
- Extension table. W. A. Duncan. 1,973,894; Sept. 18.
- Extension table. R. N. Zematis. 1,970,410; Aug. 14.
- Extension valve. W. A. Anglemeyer. 1,962,472; June 12.
- Extinguisher, Cigarette. G. R. Burton. 1,950,657; Mar. 13.
- Extra towel holder. A. Bernhardt. 1,956,340; Apr. 24.
- Extracting device. D. E. Roganson. 1,949,185; Feb. 27.
- Extractor: See—
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| Centrifugal extractor. | Juice extractor. |
| Coffee extractor. | Orange juice extractor. |
| Cream extractor. | Paper pulp extractor. |
| Fruit juice extractor. | Pressure and centrifugal |
| Honey extractor. | extractor. |
| Hull extractor. | Staple extractor. |
| Juice and pulp extractor. | |
- Extractor, P. E. Geldhof and W. A. Papworth. 1,981,502; Nov. 20.
- Extractor. A. J. Scholtes. 1,977,862; Oct. 23.
- Extractor. H. Lindenberger. 1,979,693; Nov. 6.
- Extractor and kitchen utensil, Combination fruit juice. E. L. Nemecek. 1,957,609; May 8.
- Extractor cover. E. Barbour. 1,964,555; June 26.
- Extractor drive mechanism, Fruit juice. E. Nielsen. 1,954,258; Apr. 10.
- Extracts from the anterior lobes of the hypophysis, Pre- paring physiologically active. C. L. Lautenschläger, W. Ludwig, and F. Lindner. 1,968,156; July 31.
- Extracts, Obtaining gland. O. Kamm, T. B. Aldrich, and L. W. Grote. 1,960,493; May 29.
- Extruded shapes with interlock and making same. E. Peremi and L. Toth. 1,984,232; Dec. 11.
- Extruding machine. V. E. Royle. 1,964,600; June 26.
- Extruding machine. T. H. Williams. 1,964,681; June 26.
- Extrusion chamber. H. N. May. 1,974,663; Sept. 25.
- Extrusion press. J. E. Hoy. 1,944,982; Jan. 30.
- Extrusion press. A. Liebergeld. 1,966,953; July 17.
- Extrusion press. F. Singer and A. Liebergeld. 1,984,603; Dec. 18.
- Eyecup. H. L. Mock. 1,944,901; Jan. 30.
- Eyecup. F. J. Sperisen. 1,943,349; Jan. 16.
- Eye cup, Irrigating. E. Michelson. 1,966,557; July 17.
- Eye device for figure toys. F. H. Schavolr. 1,981,333; Nov. 20.
- Eye-exercising instrument. A. S. Hendrick and W. E. Tait. 1,972,624; Sept. 4.
- Eyeglass and spectacle mounting or bridge, Type of. L. J. Page. 1,946,233; Feb. 6.

- Eyeglass case. H. J. Farrington. 1,947,979; Feb. 20.
 Eyeglass construction. G. E. Nerney. 1,952,455; Mar. 27.
 Eyeglass construction. G. E. Nerney. 1,960,791; May 29.
 Eyeglass construction. G. E. Nerney. 1,969,145; Aug. 7.
 Eyeglass construction. G. E. Nerney. 1,970,429; Aug. 14.
 Eyeglass construction. G. E. Nerney. 1,971,229; Aug. 21.
 Eyeglass construction. G. E. Nerney. 1,981,464; Nov. 20.
 Eyeglass construction. G. E. Nerney. 1,981,706; Nov. 20.
 Eyeglass construction. G. E. Nerney. 1,984,541; Dec. 18.
 Eyeglass frame and eyeglass rimless mounting. J. Gaspari. 1,971,444; Aug. 28.
 Eyeglass frame of the folding or collapsible type. J. Gaspari. 1,974,455; Sept. 25.
 Eyeglass frames, Housed spring for hinge connections of. F. A. Short. 1,978,725; Oct. 30.
 Eyeglass lens and making same. N. M. Stanley. 1,981,815; Nov. 20.
 Eyeglass or spectacle mounting and making same. P. H. Johnston. 1,957,836; May 8.
 Eyeglass structure. L. Vitolo. 1,973,587; Sept. 11.
 Eyeglasses. G. M. L. Hubar. 1,975,490; Oct. 2.
 Eyeglasses. L. Le Doux. 1,942,298; Jan. 2.
 Eyeglasses. L. E. Nelson. 1,978,276; Oct. 23.
 Eyeglasses and spectacles, Rimless. S. H. Winston. 1,984,448; Dec. 18.
 Eyeglasses, Attachment for. W. Nagel. 1,973,648; Sept. 11.
 Eyeglasses, Folding Oxford. V. Tanasso and J. J. Pomeranz. 1,953,995; Apr. 10.
 Eyeglasses, Folding Oxford. V. Tanasso and J. J. Pomeranz. 1,973,126; Sept. 11.
 Eyeglasses, Joint structure for folding oxford. V. Tanasso and J. J. Pomeranz. 1,978,728; Oct. 30.
 Eyeglasses or spectacles. H. H. Blase. 1,965,277; July 3.
 Eyeglasses or spectacles. F. A. Braucht and A. B. Belgard. 1,971,128; Aug. 21.
 Eyeglasses, spectacles, and the like, Fitting of rimless. W. D. Eglington. 1,963,297; June 19.
 Eyelash applicator. I. Wills. 1,960,687; May 29.
 Eyelash curler. I. E. Cohn and W. E. Tait. 1,951,130; Mar. 13.
 Eyelashes, Erecting and straightening the. G. Frost, née Bolz. 1,970,086; Aug. 14.
 Eye massaging device. S. R. Grossman. Des. 91,939; Apr. 10.
 Eyelid device. B. Lovie. 1,974,825; Sept. 25.
 Eye mechanism for dolls. W. Lorenz and L. W. Pollack. 1,945,150; Jan. 30.
 Eye member mounting for dolls. N. Popovich. 1,976,370; Oct. 9.
 Eyepiece, Converging achromatic. R. Richter. 1,968,222; July 31.
 Eye protector. G. P. Thomas. 1,953,320; Apr. 3.
 Eye set and rubber doll's head utilizing the same. L. J. Grubman. 1,947,293; Feb. 13.
 Eyeset and the like for dolls and the like. D. Zaiden. 1,963,164; June 19.
 Eye set for dolls. N. Popovich. 1,958,861; May 15.
 Eye set for dolls. N. Popovich. 1,984,654; Dec. 18.
 Eye set for dolls. J. H. Wilhelm. 1,947,283; Feb. 13.
 Eye set for dolls, Movable. L. J. Grubman. 1,947,294; Feb. 13.
 Eye set for dolls, Rolling. A. Konoff. 1,947,296; Feb. 13.
 Eyeshade. F. E. Place. 1,943,277; Jan. 9.
 Eyeshield, Glare-intercepting. I. J. Ritchey. 1,963,716; June 19.
 Eye-testing apparatus. J. W. Smith. 1,981,438; Nov. 20.
 Eye testing device. E. B. Kirk. 1,960,111; May 22.
 Eye testing device. E. D. Tillyer. 1,942,850; Jan. 9.
 Eye testing device. E. D. Tillyer. 1,973,966; Sept. 18.
 Eye testing instrument. C. C. Allen and G. E. Park. 1,953,738; Apr. 3.
 Eye-testing instrument and method. A. Ames, jr. 1,954,399; Apr. 10.
 Eyelet. S. L. Gookin. 1,976,776; Oct. 16.
 Eyelet attaching device. C. J. Keller. 1,952,074; Mar. 27.
 Eyelet machine, Crank operated. Z. P. Candee and J. B. Burton. 1,952,195; Mar. 27.
 Eyelet, Metal. B. H. Roth. 1,951,168; Mar. 13.
 Eyelet setting device. F. M. Clement. 1,966,883; July 17.
 Eyelet, Shoe lacing. J. A. Brent. 1,981,087; Nov. 20.
 Eyelet tape. G. R. Upham. 1,980,238; Nov. 13.
 Eyes for artificial baits, lures, toys, and the like. G. H. Walker. 1,967,692; July 24.
 Eyes for dolls, Artificial. L. J. Schlitzer. 1,958,865; May 15.
 Eyes for dolls, manikins and the like, Artificial. L. J. Grubman. 1,943,117; Jan. 9.
 Eyes for dolls, toys, and the like, Artificial. J. Dunner. 1,979,321; Nov. 6.
 Eyes, Process and apparatus for treating. T. J. Arneson. 1,967,188; July 17.
 Fabric: See—
 Artificial fabric. Nonravel contoured fabric.
 Balanced spiral fabric. Pile fabric.
 Buttonhole fabric. Porous textile fabric.
 Elastic fabric. Terry loop knitted fabric.
 Elastic woven fabric. Textile fabric.
 Handkerchief fabric. Warp pile fabric.
 Knitted fabric. Wire fabric.
 Lace fabric. Wire spring fabric.
 Metal grille fabric.
 Multiple ply-textile fabric.
 Fabric. E. Cadgene. 1,978,407; Oct. 20.
 Fabric. W. Colvin, jr. 1,965,542; July 3.
 Fabric. E. I. Golding. 1,955,582; Apr. 17.
 Fabric. L. W. Griffiths. Des. 91,296; Jan. 2.
 Fabric. C. E. Pink. 1,947,357; Feb. 13.
 Fabric. G. J. Underwood. 1,944,534; Jan. 23.
 Fabric. L. H. Weinstein. 1,946,301; Feb. 6.
 Fabric. F. J. Zimmerer. 1,947,508; Feb. 20.
 Fabric and article such as stockings, and making the same. Runproof knitted. G. Gastrich. 1,965,034; July 3.
 Fabric and knitting the same, Heel. M. C. Miller. 1,963,240; June 19.
 Fabric and making same. W. B. Serrington. 1,967,267; July 24.
 Fabric and making same, Coated. A. M. Agnew. 1,980,309; Nov. 13.
 Fabric and making same, Knitted. N. Levin. 1,976,885; Oct. 16.
 Fabric and making same, Lockstitch knit. J. Titone. 1,984,326; Dec. 11.
 Fabric and making the same, Compound ventilated. A. A. Glidden and V. H. Bodle. 1,949,159; Feb. 27.
 Fabric and making the same, Ornamented knitted. M. Krissiep. 1,985,210; Dec. 18.
 Fabric and making the same, Rib. W. L. Smith, jr. 1,929,233; Oct. 30.
 Fabric and making the same; Woven. W. S. Nutter. 1,953,720; Apr. 3.
 Fabric and method of and apparatus for making the same, Knitted. W. J. Wesseler. 1,968,061; July 31.
 Fabric and method of and composition for making the same. W. B. Serrington. 1,967,268; July 24.
 Fabric and method of manufacture, Wire. F. Woodman. 1,947,688; Feb. 20.
 Fabric and the fabric, Welding ends of wire. K. U. Schuster. 1,955,517; Apr. 17.
 Fabric and the resulting fabric, Knitting runproof or run-resistant knitted. H. V. W. Scott. 1,983,148; Dec. 4.
 Fabric, Apparatus for cleaning. R. A. Hetzer. 1,981,234; Nov. 20.
 Fabric, Apparatus for the production of welded wire. J. Gaskell. 1,945,890; Feb. 6.
 Fabric, Apparatus for treating. R. A. Hetzer. 1,947,203; Feb. 13.
 Fabric cleaner. F. A. Pusch. 1,961,911; June 5.
 Fabric cleaning composition. E. C. Pailier. 1,964,006; June 26.
 Fabric containing resins, Artificial. W. E. Lawson. 1,953,083; Apr. 3.
 Fabric cutter. J. J. Turner. 1,972,209; Sept. 4.
 Fabric cutting device. N. Ross. 1,949,490; Mar. 6.
 Fabric during dyeing, Device for spanning. E. C. West. 1,962,798; June 12.
 Fabric edge, Finishing an elastic. D. Rhee. 1,977,207; Oct. 16.
 Fabric feeding, Multiple. M. McKinley. 1,957,050; May 1.
 Fabric for lining caskets, or similar article, Folded. E. D. Bloxson. Des. 92,515; June 19.
 Fabric for stockings and knitting same. W. Heinitz. 1,978,307; Oct. 23.
 Fabric, Forming open mesh. F. Muller. 1,960,023; May 22.
 Fabric impregnating process and apparatus. H. M. Eaton. 1,953,799; Apr. 3.
 Fabric in particular for the production of chenille cloths, Apparatus for producing leno. K. Metzler. 1,953,654; Apr. 3.
 Fabric, Knitting. A. Friedmann. 1,982,800; Dec. 4.
 Fabric, Knitting multithread. R. H. Lawson. 1,961,636; June 5.
 Fabric lathing for concrete surfaces. T. O'Meara. 1,967,968; July 24.
 Fabric, Making flocked. O. H. Forsdale. 1,975,542; Oct. 2.
 Fabric, Making sponge rubber coated. T. M. Knowland. 1,973,904; Sept. 18.
 Fabric, Manufacture of beaded. B. M. Dyckma. 1,943,658; Jan. 16.
 Fabric, Manufacture of new or improved. C. Dreyfus. 1,962,683; June 12.
 Fabric, Manufacture of photographic printing. L. Goedter. 1,961,348; June 5.
 Fabric materials, Securing together. F. A. Knoll. 1,970,755; Aug. 21.
 Fabric, Mechanism for knitting runproof or non-resistant knitted. H. B. W. Scott. 1,978,410-11; Oct. 30.
 Fabric, Method and composition for delustering. C. R. Weiss and W. R. Bennett. 1,942,523; Jan. 9.
 Fabric or similar material. H. J. Aronson. Des. 92,994; Aug. 14.
 Fabric or the like, Lace. J. Hufenus. Des. 93,166; Aug. 28.
 Fabric or the like, Lace. C. Schiller. Des. 91,595; Feb. 20.
 Fabric pattern cards, Process and apparatus for constructing. A. Pazziani and A. Chalut. 1,946,878; Feb. 13.
 Fabric pinking or notching mechanism. J. Mann. 1,962,023; June 5.
 Fabric, Producing ornamental. C. Dreyfus and H. Platt. 1,985,243; Dec. 25.
 Fabric seam and making the same. J. E. Dakin and W. L. Bolens. 1,972,039; Aug. 28.
 Fabric seam, Wire. A. B. Weissenborn and W. E. Buchanan. 1,973,189; Sept. 11.
 Fabric seams and producing same, Wire. A. B. Weissenborn and W. E. Buchanan. 1,949,593; Mar. 6.
 Fabric smoothing and guiding device. F. D. Fowler. 1,974,210; Sept. 18.
 Fabric stretching machine. T. Stoica. 1,950,578; Mar. 13.

- Fabric treating apparatus. S. L. Cluett. 1,971,211; Aug. 21.
- Fabric with rubber, Coating or impregnating. G. W. Trobridge. 1,955,840; Apr. 24.
- Fabricated board. G. C. Snyder. 1,944,280; Jan. 23.
- Fabricated structure. S. Schnetzer and T. H. Huff. 1,974,665; Sept. 25.
- Fabricated tank. W. Schwemlein. 1,943,191; Jan. 9.
- Fabricating board. E. W. Hutchings. 1,947,395; Feb. 13.
- Fabricating machine for long stock. J. H. Roberts. 1,945,469; Jan. 30.
- Fabricating machine for long stock. J. H. Roberts. 1,965,808; July 10.
- Fabrics and articles, such as stockings, and making the same, Runproof knitted. G. Gastrich. 1,983,128; Dec. 4.
- Fabrics and device for carrying out said method, Manufacture of. C. J. Slot. 1,965,474; July 3.
- Fabrics, Apparatus for cleaning. J. B. Sando. 1,947,174; Feb. 13.
- Fabrics, Apparatus for treating. S. L. Cluett. 1,944,001; Jan. 16.
- Fabrics, Apparatus for treating. J. A. Kennedy. 1,958,193; May 8.
- Fabrics, Apparatus for treating. A. Nuernberg. 1,967,130; July 17.
- Fabrics, Coating. J. McGavack. 1,946,090; Feb. 6.
- Fabrics, Decorating. C. L. Burdick. 1,950,838; Mar. 13.
- Fabrics, Device for and method of systematically embellishing. C. C. Coble. 1,952,365; Mar. 27.
- Fabrics, Device for mending runs in. J. Messing. 1,956,960; May 1.
- Fabrics, Drying of. K. F. Tandel. 1,980,558; Nov. 13.
- Fabrics, Finishing textile. J. T. Gibbons. 1,980,676; Nov. 13.
- Fabrics in open width condition, Process and apparatus for bleaching. F., E., and P. V. Barker. 1,951,745; Mar. 20.
- Fabrics, Making frieze. W. F. Bird. 1,985,761; Dec. 25.
- Fabrics, Mechanism for producing plain knit areas in certain knitted. E. M. Müller and E. Richter. 1,971,725; Aug. 28.
- Fabrics, Method and device for loading silk containing. R. Clavel. 1,970,736; Aug. 21.
- Fabrics, Method of and apparatus for preshrinking and conditioning. A. W. Buhlmann. 1,963,292; June 19.
- Fabrics, Novel mechanism and method for producing special loop formations in knitted. G. Gastrich. 1,977,676; Oct. 23.
- Fabrics of various kinds by needle action, Manufacture of. J. Morton. 1,946,030; Feb. 6.
- Fabrics or clothes during laundering operations and apparatus therefor, Treating. H. Heller. 1,981,954; Nov. 27.
- Fabrics, Ornamenting. A. Wolff. 1,952,901; Mar. 27.
- Fabrics, Process and machine for making plated. A. E. and F. R. Page. 1,977,590; Oct. 16.
- Fabrics, Producing antiravel. G. W. Goetsch and O. F. Smetana. 1,970,906; Aug. 21.
- Fabrics, Production of coated. C. A. Alt, H. C. Graebner, and L. Moffett. 1,951,119; Mar. 13.
- Fabrics, threads, and the like and product therefrom, Treating cellulose containing. E. Weiss. 1,985,124; Dec. 18.
- Fabrics, Weaving terry. S. P. Parker. 1,949,579; Mar. 6.
- Face for ventilators, Fabricated. W. T. Truax. 1,969,437; Aug. 7.
- Face patter. M. P. Dibble. 1,966,789; July 17.
- Face plate for machine tools, Universal. J. Piron. 1,961,528; June 5.
- Face powder box. S. de Vaulchier. Des. 93,461; Oct. 2.
- Face powder box. L. Rodnon. 1,964,274; June 26.
- Face powder container. S. Lowen. 1,956,991; May 1.
- Facial patter. J. Knapp. 1,973,768; Sept. 18.
- Facial treatment apparatus. N. Mascolo. 1,965,424; July 3.
- Facing apparatus. L. E. Poole. 1,947,659; Feb. 20.
- Facing board. H. E. Marks. 1,952,449; Mar. 27.
- Facing, Friction. H. Abert. 1,941,872; Jan. 2.
- Facing, Friction. R. J. Norton. 1,971,618; Aug. 28.
- Facing, Hard. F. P. Hawkins. 1,977,128; Oct. 16.
- Facings of pressed cork for rollers, drums, pulleys, and the like, Production of. G. Baldaux. 1,984,625; Dec. 18.
- Facsimile printer. R. W. Carlisle. 1,958,885; May 15.
- Facsimile transmission. R. H. Ranger. 1,973,726; Sept. 18.
- Facsimile - transmission system. V. K. Zworykin. Re19,314; Sept. 11.
- Facsimile transmitter. L. R. Philpott. 1,985,057; Dec. 18.
- Fading elimination. J. Rohnfeld. 1,964,598; June 26.
- Fairlead. S. J. Anderson. 1,976,708; Oct. 16.
- Fairway for ships and aircraft, Apparatus for distinguishing the. W. Hahnemann. 1,960,439; May 29.
- Fan. W. A. Geise. 1,983,606; Dec. 11.
- Fan. W. A. Jones. 1,958,145; May 8.
- Fan. H. A. Knox. 1,961,228; June 5.
- Fan. H. F. Morse. 1,971,827; Aug. 28.
- Fan. L. A. Pesmen. 1,963,558; June 19.
- Fan and supporting means therefor, Electric. H. C. Engelhardt. 1,956,614; May 1.
- Fan and water pump assembly. E. C. Walker. 1,960,282; May 29.
- Fan bearing. C. Hollerith. 1,948,816; Feb. 27.
- Fan blade. K. D. McMahan. 1,964,525; June 26.
- Fan blade. W. L. Upson. 1,957,237; May 1.
- Fan blade. L. C. Whiton, Jr. 1,985,705; Dec. 25.
- Fan, Circulating. C. A. Lindberg. 1,953,417; Apr. 3.
- Fan, Circulating. V. Weber. Des. 94,103; Dec. 18.
- Fan construction. A. D. Gardner. 1,977,942; Oct. 23.
- Fan construction. L. H. Von Ohlsen. 1,957,307; May 1.
- Fan, Electric. P. Côté. 1,958,182; May 8.
- Fan, Electric. L. N. Davy. 1,980,614; Nov. 13.
- Fan, Electric. A. C. Gilbert and A. A. Arnold. 1,975,934; Oct. 9.
- Fan, Electric. J. L. Waterbury. 1,945,010; Jan. 30.
- Fan for vehicles driven by internal combustion engines, Cooling. A. Buri. 1,966,787; July 17.
- Fan heater. J. S. Losee. 1,967,757; July 24.
- Fan, High temperature resistant. D. P. Ogden. 1,953,540; Apr. 3.
- Fan, Motor vehicle ventilating. J. R. Oishei. Re19,125; Mar. 27.
- Fan or blower for fuel burners. E. J. Lattner. 1,955,852; Apr. 24.
- Fan, Oscillating electric. J. J. Gough. 1,971,373; Aug. 28.
- Fan, Oscillating motor. W. Rärhel. 1,982,537; Nov. 27.
- Fan, Propeller type air circulating. W. Zellweger. 1,981,767; Nov. 20.
- Fan protector. E. K. Cook. 1,971,332; Aug. 28.
- Fan scroll. D. P. Ogden. 1,955,250; Apr. 17.
- Fan, Thermostatically controlled. C. E. Furgason. 1,978,788; Oct. 30.
- Fare-collection system. E. H. Thompson. 1,945,835; Feb. 6.
- Fare registering and change making machine. E. W. Wilson. 1,985,305; Dec. 25.
- Farinaceous materials in receptacles of any kind by compressed air, compressed gas, or the like, Stirring up. P. Goebels. 1,971,852; Aug. 28.
- Farm gate. J. Blake. 1,973,280; Sept. 11.
- Farm implement. E. O. Knick. 1,974,027; Sept. 18.
- Fastener: See
- Adjustable slide fastener.
 - Airplane cowl fastener.
 - Applying fastener.
 - Basket cover fastener.
 - Belt fastener.
 - Box cover fastener.
 - Box fastener.
 - Button fastener.
 - Cable fastener.
 - Closure fastener.
 - Collar fastener.
 - Cover fastener.
 - Door fastener.
 - Envelope fastener.
 - Fence wire fastener.
 - Garter fastener.
 - Hood fastener.
 - Key fastener.
 - Machinery belt fastener.
 - Multiple fastener.
 - Panel fastener.
 - Paper fastener.
 - Rivet fastener.
 - Rope fastener.
 - Sash fastener.
 - Separable fastener.
 - Shoe cleat fastener.
 - Shoe fastener.
 - Shoe lace fastener.
 - Slide fastener.
 - Snap fastener.
 - Spring fastener.
 - Strap fastener.
 - Tag and tag fastener.
 - Tag fastener.
 - Tape fastener.
 - Turn pad fastener.
 - Wagon and gate fastener.
 - Window fastener.
 - Window lock fastener.
 - Window stop fastener.
- Fastener. E. S. Becker. 1,984,961; Dec. 18.
- Fastener. R. T. Dawes. 1,982,906; Dec. 4.
- Fastener. W. Fetzner. 1,958,787; May 15.
- Fastener. R. C. Legat. 1,969,270; Aug. 7.
- Fastener. C. W. Magnuson. 1,958,759; May 15.
- Fastener. B. C. Place. 1,976,889; Oct. 16.
- Fastener. W. E. Richard. 1,960,922; May 29.
- Fastener. H. Rosenberg. 1,978,329; Oct. 23.
- Fastener. F. M. Stader. 1,959,505; May 22.
- Fastener and bolt, Window. C. S. Bock. 1,941,459; Jan. 2.
- Fastener and connector, Combination. W. R. Larter. 1,984,069; Dec. 11.
- Fastener and hanger, Combined. H. E. Stout. 1,959,745; May 22.
- Fastener and installation thereof, Separable. W. E. Hoke. 1,969,796; Aug. 14.
- Fastener and making same, Slide. L. Cox. 1,983,070; Dec. 4.
- Fastener and manufacture. G. Boden. 1,969,688; Aug. 7.
- Fastener and the like, Window pane. A. A. Smidt. 1,946,716; Feb. 13.
- Fastener attaching machine. L. N. Hayden. 1,944,510; Jan. 23.
- Fastener-attaching machine. J. J. Veillette. 1,975,413; Oct. 2.
- Fastener attachment machine, Separable. M. Kiessling, A. J. Krieger, and J. Draher. 1,971,158; Aug. 21.
- Fastener blanks, Producing metallic. G. A. Anderson. 1,942,043; Jan. 2.
- Fastener cap. H. V. Rau. 1,983,879; Dec. 11.
- Fastener for bracelets adjustable in size. R. Einsele. 1,945,266; Jan. 30.
- Fastener for connecting high voltage conductors to insulators. T. H. Bowen. 1,948,061; Feb. 20.
- Fastener for door sashes. C. F. Loper. 1,954,640; Apr. 10.
- Fastener for envelopes, Metallic. W. E. Swift. 1,955,896; Apr. 24.
- Fastener for guard fences. W. Blackmore. 1,949,897; Mar. 6.
- Fastener for handbags. M. Nahas. 1,953,055; Mar. 27.
- Fastener for loose covers for fruit baskets and the like. F. V. McNiven. 1,953,624; Apr. 3.

- Fastener for rocker box covers. F. A. Thaheld. 1,966,772; July 17.
- Fastener for straps and the like, Slide. G. Johnson. 1,956,031-2; Apr. 24.
- Fastener for trimming material. A. P. Ball. 1,964,554; June 26.
- Fastener for two-piece neckties. H. B. Jordan. 1,957,141; May 1.
- Fastener forming and assembling machine and method of securing fastener elements to tape. G. Sundback. 1,947,956; Feb. 20.
- Fastener holder. J. J. Conway. 1,953,062; Apr. 3.
- Fastener-inserting machine. A. A. Lawson. 1,957,463; May 8.
- Fastener, Making a corrugated. J. H. McFaul. 1,981,869; Nov. 27.
- Fastener or holder for window curtains. W. J. D. Lynch and R. L. Clarkson. 1,954,419; Apr. 10.
- Fastener post. D. I. Reiter. 1,962,035; June 5.
- Fastener socket, Snap. P. Upham. 1,948,321; Feb. 20.
- Fastener sockets, Making. G. Johnson. 1,948,300; Feb. 20.
- Fastener stud, Snap. G. Johnson. 1,978,087; Oct. 23.
- Fastener-supplying apparatus. W. T. Minett. 1,953,250; Apr. 3.
- Fasteners and the like, Device for supplying belt. J. K. Diamond. 1,984,634; Dec. 18.
- Fasteners, Manufacturing separable. D. Marinsky. 1,966,256; July 10.
- Fasteners to panels and the like, Attaching. B. C. Place. 1,958,678; May 15.
- Fasteners to upholstered trim panels, Securing. B. C. Place. 1,982,232; Nov. 27.
- Fastening. R. R. Potter and S. G. Russell. 1,947,921; Feb. 20.
- Fastening and sealing device, Combined. A. J. Deniston, jr. 1,953,592; Apr. 3.
- Fastening device. C. C. Beal. 1,960,046; May 22.
- Fastening device. A. Charron. 1,966,161; July 10.
- Fastening device. I. N. De Martinez. 1,970,129; Aug. 14.
- Fastening device. W. Dzus. 1,955,740; Apr. 24.
- Fastening device. J. R. Freeze. 1,957,770; May 8.
- Fastening device. H. C. Graham. 1,955,062; Apr. 17.
- Fastening device. W. A. Keys. 1,962,600; June 12.
- Fastening device. A. L. Knapp. 1,960,331; May 29.
- Fastening device. W. J. Morris. 1,969,026; Aug. 7.
- Fastening device. E. Poeter. 1,947,490; Feb. 20.
- Fastening device. G. A. Tinnerman. 1,981,973; Nov. 27.
- Fastening device, Adjustable. N. Statham. Re19,356; Oct. 30.
- Fastening device for flat articles. E. Lukacs. 1,973,989; Sept. 18.
- Fastening device for percolator tops. W. G. Billerman. 1,975,498; Oct. 2.
- Fastening device for rotary brushes and the like. W. Dossmann. 1,975,567; Oct. 2.
- Fastening device for securing the head of a hammer, hatchet, or the like. G. E. Dobbins. 1,947,832; Feb. 20.
- Fastening device for straps and the like. J. W. May. 1,933,383; Dec. 4.
- Fastening for automobile hoods. R. M. G. Phillips. 1,943,927; Jan. 16.
- Fastening for doors, Safety. G. S. Comstock. 1,952,584; Mar. 27.
- Fastening for gratings. C. M. Wellons. 1,941,589; Jan. 2.
- Fastening for T shaped handles, Permanent. C. W. Halsey and F. W. Kunath. 1,984,350; Dec. 11.
- Fastening, Hinged. J. C. Olsen. 1,975,862; Oct. 9.
- Fastening, Hinged. J. C. Olsen. 1,976,453; Feb. 20.
- Fastening-inserting machine. G. Goddu. 1,943,429; Jan. 16.
- Fastening inserting machine. G. Goddu and F. L. MacKenzie. 1,947,589; Feb. 20.
- Fastening-inserting machine. G. Goddu. 1,981,037; Nov. 20.
- Fastening inserting machine. C. E. Hood. 1,950,554; Mar. 13.
- Fastening inserting machine. F. N. La Chapelle. 1,958,438; May 13.
- Fastening-inserting machine. F. N. La Chapelle. 1,973,718; Sept. 18.
- Fastening-inserting machine. L. S. Macdonald. 1,975,468; Oct. 2.
- Fastening inserting machine. F. L. MacKenzie. 1,959,632; May 22.
- Fastening-inserting machine. F. L. MacKenzie. 1,964,004; June 26.
- Fastening-inserting machine. W. Minard. 1,979,395; Nov. 6.
- Fastening inserting machine. J. W. Pratt and H. Lane. 1,979,409; Nov. 6.
- Fastening-inserting machine. J. F. Standish. 1,979,417; Nov. 6.
- Fastening inserting mechanism. R. H. Lawson. 1,963,171; June 19.
- Fastening means. J. D. Stites. 1,966,835; July 17.
- Fastening means for abutting carrier flaps. N. H. Buschman. 1,967,284; July 24.
- Fastening means for articles of personal wear. N. Ottinger. 1,960,165; May 22.
- Fastening means for curtain rods, portière rods, or the like. H. P. B. Simonsson. 1,946,417; Feb. 6.
- Fastening means for electric heating pads. J. P. MacSweeney. 1,975,329; Oct. 2.
- Fastening means for expansible bodies. C. Brown. 1,942,237; Jan. 2.
- Fastening means for furniture. C. W. and F. L. Koch. 1,945,197; Jan. 30.
- Fastening means, Self locking. J. C. Hamill. 1,958,852; May 15.
- Fastening means, Watch movement frame. W. L. Smith. 1,968,718; July 31.
- Fastening-supplying apparatus. F. J. Balcom. 1,984,109; Dec. 11.
- Fastening-supplying apparatus. H. E. Briegleb. 1,983,594; Dec. 11.
- Fastening-supplying apparatus. F. A. Eich. 1,976,718; Oct. 16.
- Fastening supplying apparatus. G. Goddu. 1,975,784; Oct. 9.
- Fastening-supplying apparatus. F. L. MacKenzie. 1,947,769; Feb. 20.
- Fastening, Threaded. J. Rayner. 1,966,520; July 17.
- Fastening tool handle. E. A. Litchfield. 1,951,248; Mar. 13.
- Fastenings, Insertion of. G. Goddu. 1,969,747; Aug. 14.
- Fat and method, Frying. E. B. Working. 1,982,186; Nov. 27.
- Fats, fat emulsions, and the like to a rotating drum, Apparatus for applying liquid. R. Knollenberg. 1,983,982; Dec. 11.
- Fats, Manufacture of edible. B. Behrend. 1,944,962; Jan. 30.
- Fats to produce fatty acids, Treatment of. J. R. Moore and E. K. Wallace. 1,967,319; July 24.
- Fatty and pitchy matters from animal fibres and for making them more readily feltable, Removing. V. Fluss. 1,947,522; Feb. 20.
- Fatty materials, Rendering. W. Laabs. 1,950,360; Mar. 6.
- Fatty materials, Stabilizing the flavor and odor of. E. W. Eckey. 1,982,907; Dec. 4.
- Fatigue testing machine. R. L. Temple. 1,952,953; Mar. 27.
- Faucet. J. Andrés y Hernandez. 1,945,637; Feb. 6.
- Faucet. W. D. Bost. Des. 94,016; Dec. 11.
- Faucet. S. Brody. 1,977,610; Oct. 23.
- Faucet. W. C. Buttner. 1,947,329; Feb. 13.
- Faucet. W. C. Buttner. 1,981,496; Nov. 20.
- Faucet. R. Henningfield. 1,958,002; May 8.
- Faucet. J. Kornas. 1,971,186; Aug. 21.
- Faucet. R. Loewy. Des. 92,480; June 12.
- Faucet. L. J. Miller. 1,943,276; Jan. 9.
- Faucet. N. Schachter. 1,985,382; Dec. 25.
- Faucet. C. F. Stoddard. 1,984,999; Dec. 18.
- Faucet. W. L. and E. J. Thaete. 1,953,448; Apr. 3.
- Faucet. A. W. Wheaton. 1,964,836; July 3.
- Faucet adapter. A. H. Brandon. 1,946,832; Feb. 13.
- Faucet, Beverage dispensing. F. Schneible. 1,957,082; May 1.
- Faucet connection. E. S. Stoddard. 1,954,105; Apr. 10.
- Faucet connection. J. L. Sutton and J. Van Walshauser. Des. 93,306; Sept. 11.
- Faucet connection. J. L. Sutton and J. Van Walshauser. 1,984,347; Dec. 11.
- Faucet filter. J. D. Houck. 1,985,411; Dec. 25.
- Faucet valve. C. E. Chapple. 1,985,149; Dec. 18.
- Faucet, Filtering. M. Seidel. 1,958,073; May 8.
- Faucet for dispensing plastics, Forced feed. J. P. Le May. 1,944,663; Jan. 23.
- Faucet, Measuring. J. L. Wheeler. 1,979,428; Nov. 6.
- Faucet, Mixing. E. H. Fitter. 1,949,300; Feb. 27.
- Faucet, Mixing. C. J. Sonner. 1,967,909; July 24.
- Faucet, Punch. W. G. Stockman. 1,971,284; Aug. 21.
- Faucet, Sanitary. E. L. Roberts. 1,982,071; Nov. 27.
- Faucet, Self-closing all-metal. J. C. Ross. 1,950,749; Mar. 13.
- Faucet, Self closing gate. J. C. Kuckhoff. 1,977,234; Oct. 16.
- Faucet, Two-way locking. O. A. Causey. 1,949,926; Mar. 6.
- Faucet, Water. H. Gründler. 1,980,199; Nov. 13.
- Faucets, Attachment for. N. B. Piersall. 1,957,353; May 1.
- Fault responsive apparatus. A. S. Fitz Gerald. 1,957,204; May 1.
- Faults in cable conductors, Locating. P. H. Estes and O. McGinnis. 1,958,361; May 8.
- Feathers, Apparatus for cleaning and sterilizing. F. I. Klayman and F. R. Lawrence. 1,945,296; Jan. 30.
- Feed. C. F. Schnabel. 1,942,943; Jan. 9.
- Feed apparatus, Constant liquid. L. C. Bird. 1,970,880; Aug. 21.
- Feed, Apparatus for grinding and handling. F. K. Chandler. 1,967,022; July 17.
- Feed-back oscillator using ionizing tube. A. Hund. 1,968,770; July 31.
- Feed collet. I. H. Sheffer. 1,983,950; Dec. 11.
- Feed-control apparatus, Hydraulic. A. J. Calpha and O. I. Craft. 1,975,250; Oct. 2.
- Feed control for burners. A. J. Hartfield. 1,973,955; Sept. 18.
- Feed control for flying shear. F. C. Biggert, jr. 1,981,382; Nov. 20.
- Feed control mechanism. G. M. Nell. 1,957,976; May 8.
- Feed control switch, Welding electrode. R. K. Hopkins. 1,957,064; May 1.
- Feed cooling system for internal combustion engines, Force. J. Z. Brubaker. 1,985,240; Dec. 25.

- Feed device, Intermittent. E. R. Morton. 1,980,220; Nov. 13.
- Feed engaging mechanism, Fluid actuated. R. M. Galloway. 1,960,699; May 29.
- Feed fluid controller. W. Doble. 1,951,352; Mar. 20.
- Feed for automatic machine tools. H. W. Ruppel. 1,980,440; Nov. 13.
- Feed for blanks, Automatic. C. R. Moon. 1,962,872; June 12.
- Feed for bobbin winding machines. H. F. Borg and D. E. Walker. 1,973,328; Sept. 11.
- Feed for cigar wrapping machines, Automatic. F. Grover. 1,975,938; Oct. 9.
- Feed for driers, Automatic. E. B. Kerst. 1,969,613; Aug. 7.
- Feed for knitting machines. D. J. Mayer. 1,977,686; Oct. 23.
- Feed for machine tools and the like, Automatic. H. F. Vickers. 1,965,867; July 10.
- Feed for machine tools, Hydraulic. A. Oberhoffken. 1,944,362; Jan. 23.
- Feed for scrap bunch machines, Pneumatic. R. E. Rundell. 1,984,811; Dec. 18.
- Feed guide for platen presses. G. G. Schierholz. 1,949,944; Mar. 6.
- Feed mechanism. R. L. Wilcox and W. D. Rigney. 1,966,056; July 10.
- Feed mechanism, Cam controlled hydraulic. R. M. Galloway. 1,945,034; Jan. 30.
- Feed mechanism for bag cutters. C. A. Cooney. 1,970,490; Aug. 14.
- Feed mechanism for bed and cylinder presses. H. Honigmann. 1,955,717; Apr. 17.
- Feed mechanism for machine guns, Reversible. J. L. Hatcher. 1,956,574; May 1.
- Feed mechanism for machine guns, Reversible. F. T. Moore and C. Pfeiffer. Re19,159; May 8.
- Feed mechanism for phonograph recorders. H. C. Harrison. 1,959,423; May 22.
- Feed mechanism for tool-carrying spindles. C. F. Schenck. 1,972,359; Sept. 4.
- Feed mechanism, Hydraulic. W. Ferris. 1,946,902; Feb. 13.
- Feed, Method and apparatus for storing and dispensing. F. J. Kreutzer. 1,981,417; Nov. 20.
- Feed mill. W. F. Reschke. 1,975,406; Oct. 2.
- Feed mixing machine. C. B. Hill. 1,960,704; May 29.
- Feed mixing machine. R. G. Quehl. 1,948,871; Feb. 27.
- Feed regulation of liquids into working containers, Automatic. S. R. Dight. 1,980,749; Nov. 13.
- Feed ribbon, Woven endless. W. D. Ellis, 3d. 1,952,978; Mar. 27.
- Feed, Slicer. W. W. Hartman. 1,970,170; Aug. 14.
- Feed, storing and dispensing. J. G. Shodron. 1,918,483; Nov. 20.
- Feed system, Automatic convertible. M. E. Martellotti. 1,978,350; Oct. 23.
- Feed variator for shapers. W. F. Zimmermann. 1,960,565; May 29.
- Feed water heater. A. Magis and A. Huet. 1,942,179; Jan. 2.
- Feed water heater. R. G. Makely. 1,952,933; Mar. 27.
- Feed-water heater. A. Scrivenor. 1,971,054; Aug. 21.
- Feed water regulator. H. S. Fraser. 1,949,683; Mar. 6.
- Feed water regulator. W. L. Hunter and K. B. Whitley. 1,942,427; Jan. 9.
- Feed water regulator. H. J. Mastenbrook. 1,966,898; July 17.
- Feed water regulation. D. K. Swartout, Jr. 1,943,248; Jan. 9.
- Feed water regulator. V. V. Veenschoten. 1,963,890; June 19.
- Feed water regulator. V. V. Veenschoten. 1,979,299; Nov. 6.
- Feed welding and fusion cutting machine, Automatic. A. Scheidhauer. 1,974,513; Sept. 25.
- Feed worm attachment. H. C. Carter. 1,958,532; May 15.
- Feeder: See—
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| Automatic feeder. | Liquid feeder. |
| Blank feeder. | Metal feeder. |
| Endless comb feeder. | Pig feeder. |
| Glass feeder. | Poultry feeder. |
| Leer feeder. | Sheet feeder. |
- Feeder. O. N. Gingrich. 1,959,099; May 15.
- Feeder. A. A. Holbeck. 1,977,513; Oct. 16.
- Feeder. R. C. Moore. 1,949,281; Feb. 27.
- Feeder for crushed material, Table. T. M. Alexovits. 1,960,522; May 29.
- Feeder for pulverized materials. W. W. Pettibone. 1,944,902; Jan. 30.
- Feeder for type-casting and slug-casting machines, Automatic metal. C. F. Badgley. 1,963,221; June 19.
- Feeder for washing machines, Cleaning material. E. C. Chandler and H. Delamatter. 1,961,278; June 5.
- Feeder for washing machines, Cleaning material. E. C. Chandler and H. Delamatter. 1,971,063; Aug. 21.
- Feeder or watering trough, Poultry. J. J. Backes. 1,980,247; Nov. 13.
- Feeder, Paper. L. R. Tufts. 1,966,400; July 10.
- Feeding and arranging mechanism. S. Seltzer. 1,982,458; Nov. 27.
- Feeding and catching device for rolling mills, Automatic. E. B. Hudson. 1,973,810; Sept. 18.
- Feeding and catching table. R. J. Wean and A. D. Evans. 1,974,403; Sept. 18.
- Feeding and clamping mechanism. J. H. Moore. 1,968,307; July 31.
- Feeding and cutting mechanism. S. J. Campbell. 1,962,761; June 12.
- Feeding and emptying device for reservoirs. J. L. B. Berger. 1,973,325; Sept. 11.
- Feeding and slitting device. E. L. Walker and A. W. Werner. 1,963,183; June 19.
- Feeding and stripping mechanism for tube-forming machines. P. Witte. 1,981,490; Nov. 20.
- Feeding apparatus for conveyers. F. L. Furbush. 1,984,574; Dec. 18.
- Feeding apparatus for extruding presses. W. A. Wilhelm. 1,950,426; Mar. 13.
- Feeding appliance for bread slicing machines. H. J. and H. E. Criner. 1,957,321; May 1.
- Feeding device. F. Maccov. 1,972,895; Sept. 11.
- Feeding device. F. Stebler. 1,970,107; Aug. 14.
- Feeding device. C. T. Walter. 1,973,919; Sept. 18.
- Feeding device for a special lathe. H. Arni. 1,942,403; Jan. 9.
- Feeding device for clothes wringers. M. A. Ross. 1,954,264; Apr. 10.
- Feeding device for corn husking machines. A. Rosenthal. 1,959,064; May 15.
- Feeding device for envelope folding machines or the like. R. A. Nelson. 1,978,056; Oct. 23.
- Feeding device for rock drills. J. C. Curtis. 1,980,256; Nov. 13.
- Feeding device for sheets. M. Vierengel. 1,956,140; Apr. 24.
- Feeding device for stokers. W. D. Burton. 1,946,482; Feb. 13.
- Feeding device for stokers. W. D. Burton. 1,948,021; Feb. 20.
- Feeding device for strip materials. W. W. Carson, Jr. 1,951,545; Mar. 20.
- Feeding device, Power-operated. H. S. Mitchell. 1,947,728; Feb. 20.
- Feeding head for reciprocating or jiggling conveyers. J. R. Madeira. 1,944,357; Jan. 23.
- Feeding heads for reciprocating or jiggling conveyers. G. H. Ernsbarger. 1,968,249; July 31.
- Feeding heads for reciprocating or jiggling conveyers. T. Foster. 1,970,297; Aug. 14.
- Feeding joint. L. Emanuel. 1,979,150; Oct. 30.
- Feeding means for glass tube manipulating machine. J. Dichter. 1,981,692; Nov. 20.
- Feeding mechanism. J. M. Clark. 1,982,902; Dec. 4.
- Feeding mechanism. D. J. Hanna. 1,973,625; Sept. 11.
- Feeding mechanism. E. W. Medbery. 1,966,510; July 17.
- Feeding mechanism for carton filling machines. C. C. Colver. 1,953,928; Apr. 10.
- Feeding mechanism for conveying systems. D. O. Adams. 1,954,278; Apr. 10.
- Feeding mechanism for duplicating machines. J. K. Duncan. 1,965,827; July 10.
- Feeding mechanism for grinding mills. J. Holland-Letz. 1,946,084; Feb. 6.
- Feeding mechanism for presses. R. T. Anderson. 1,971,632; Aug. 28.
- Feeding mechanism for rotary duplicators. J. K. Duncan and C. N. Johnson. 1,960,482; May 29.
- Feeding mechanism for slicing machines. W. A. van Berkel. 1,945,127; Jan. 30.
- Feeding mechanism for slicing machines. A. van Duyn. 1,977,463; Oct. 16.
- Feeding mechanism, Straight line. W. P. Shomaker. 1,976,892; Oct. 16.
- Feeding mechanism, Tack strip. E. E. Kilmer. 1,969,562; Aug. 7.
- Feeler. G. M. Arragg. 1,985,396; Dec. 25.
- Feeler mechanism for looms. A. E. Benson. 1,973,138; Sept. 11.
- Feeler mechanism for protecting cloth seams, Selective. C. G. Richardson. 1,956,537; Apr. 24.
- Felt and artificial leather product made therefrom, Absorbent. G. L. Schwartz. 1,944,906; Jan. 30.
- Felt and the resultant product, Marking. W. R. Menshon. 1,942,763; Jan. 9.
- Felt, Bituminized. M. O. Schur and W. L. Hearn. 1,961,946; June 5.
- Felt for paper machines. A. Bong. 1,980,608; Nov. 13.
- Felt, paper, and the like, Making. B. C. Beckman and W. T. Hofmann. 1,979,819; Nov. 6.
- Felt, Producing absorbent. J. E. Plumstead. 1,947,106; Feb. 13.
- Felt, Producing absorbent and resilient. J. E. Plumstead. 1,947,108; Feb. 13.
- Felt, Producing absorbent or resilient. J. E. Plumstead. 1,947,103; Feb. 13.
- Felt, Producing absorbent or resilient. J. E. Plumstead. 1,947,105; Feb. 13.
- Felt, Producing absorbent or resilient. J. E. Plumstead. 1,947,107; Feb. 13.
- Felt, Space packing. H. J. Lowe. 1,967,444; July 24.
- Felt stretching machine. J. G. Bowden and J. W. Norton. 1,974,859; Sept. 25.
- Felting machine. G. H. Cochrane. 1,962,950; June 12.
- Felting machine. R. K. Reynolds. 1,984,700; Dec. 18.
- Felting machine. H. R. Williams. 1,961,272; June 5.
- Felting or felted paper product and making same, Fibrous. J. E. Plumstead. 1,947,104; Feb. 13.

- Felts and impregnated products prepared therefrom, Manufacture of waterlaid. M. O. Schur and W. L. Hearn. 1,961,945; June 5.
- Fence. G. A. La Clair. 1,985,322; Dec. 25.
- Fence and gate, Picket. W. J. Kibler. 1,956,767; May 1.
- Fence bar and making the same, Hollow. H. E. Tautz. 1,963,688; June 19.
- Fence for flower beds and the like, Root. W. Spencer. 1,977,021; Oct. 16.
- Fence, Highway guard. J. D. Miller. 1,977,286; Oct. 16.
- Fence hook. J. W. Maas. 1,960,541; May 29.
- Fence, Joinder. H. E. Tautz. 1,967,791; July 24.
- Fence, Joinder. H. E. Tautz. 1,975,562; Oct. 2.
- Fence, Metal snow. E. J. Eriksson. 1,948,655; Feb. 27.
- Fence, Picket. M. T. Whiting. 1,958,290; May 8.
- Fence post. G. F. Clark. 1,981,447; Nov. 20.
- Fence post. J. P. and P. B. Hise. 1,951,282; Mar. 13.
- Fence post. E. J. Paque. 1,968,309; July 31.
- Fence post. E. G. Schultz. 1,950,751; Mar. 13.
- Fence post. W. D. Williams and F. Czamba. 1,967,460; July 24.
- Fence post extension arm. R. Dandliker. 1,980,852; Nov. 13.
- Fence post, Sheet metal. E. K. Cole. 1,970,737; Aug. 21.
- Fence, Reinforced concrete. N. C. Nelson. 1,954,256; Apr. 10.
- Fence structure. H. G. Chapman. 1,979,866; Nov. 6.
- Fence tool. A. P. Cox. 1,948,904; Feb. 27.
- Fence wire fastener. J. A. Moritz. 1,971,047; Aug. 21.
- Fencing tool. N. M. Jacobs. 1,966,298; July 10.
- Fender flap. W. C. Jackson. Des. 93,110; Aug. 21.
- Fender guide. J. H. Cohen. Des. 92,582-5; June 26.
- Fender, Marine. C. T. Lyons. 1,981,182; Nov. 20.
- Fender shaper. J. C. Enders. 1,951,821; Mar. 20.
- Fender tool, Portable power driven. J. B. Fleming and H. C. Preston. 1,975,056; Sept. 11.
- Fender well wheel carrier. G. E. Parker. 1,965,990; July 10.
- Fender welt. R. C. Schemmel. 1,964,675; June 26.
- Fenders and other sheet metal, Straightening. J. B. Fleming. 1,957,495; May 8.
- Fenestrated endoscopic instrument and obturator therefor. R. H. Wappler. 1,969,542; Aug. 7.
- Ferns and product produced thereby, Treating. E. L. Moore. 1,962,667; June 12.
- Ferric chloride etching solution. A. C. White and S. M. Stoesser. 1,969,678; Aug. 7.
- Ferric oxide and other metal values from pyrites, Production of. S. I. Levy. 1,980,809; Nov. 13.
- Ferroboration, Production of. E. Pokorny and H. Seliger. 1,964,139; June 26.
- Ferromagnet system for converting electric oscillations into acoustic vibrations or conversely. A. A. Bartelink. 1,943,884; Jan. 16.
- Ferro-titanium alloy and making same. G. F. Comstock. 1,946,670; Feb. 13.
- Ferrous article and making it, Metal coated. F. M. Crapo. 1,984,335; Dec. 11.
- Ferrous products faced with stable surface alloys, Making. P. A. E. Armstrong. Re19,058; Jan. 23.
- Ferrous sheet material, Finishing. A. H. Shonkwiler and D. M. Shanafelt. 1,946,766; Feb. 13.
- Ferrovanadium containing products, Working up. E. Mayr. 1,970,467; Aug. 14.
- Ferrule, Flexible. W. H. Richardson. 1,985,427; Dec. 25.
- Ferrule, Paint brush. V. J. Kersting. 1,957,601; May 8.
- Ferrules for friction couplings, Packing. G. W. Haury. 1,978,047; Oct. 23.
- Ferrules in hollow wheels, Clinching. R. H. Rosenberg. 1,985,695; Dec. 25.
- Fertilizer. F. W. Genz. 1,944,788; Jan. 23.
- Fertilizer. B. Ober and E. H. Wight. 1,947,138; Feb. 13.
- Fertilizer. M. W. St. John. 1,951,742; Mar. 20.
- Fertilizer. W. Schoeller, M. Dohrn, and H. Goebel. 1,968,176; July 31.
- Fertilizer and manufacturing same, Compound. J. P. L. Remy-Neris. 1,957,350; May 1.
- Fertilizer and production thereof. R. M. Jones. 1,966,820; July 17.
- Fertilizer, Apparatus for producing phosphatic. G. C. Pfaff. 1,982,480; Nov. 27.
- Fertilizer applicator, Siphonic. G. W. Naftel and G. R. Roe. 1,955,308; Apr. 17.
- Fertilizer containing phosphorus, nitrogen, and potassium compounds. C. J. Hansen. 1,949,715; Mar. 6.
- Fertilizer distributor. J. J. Berg. 1,968,513; July 31.
- Fertilizer distributor. E. M. Cole. 1,981,223; Nov. 20.
- Fertilizer distributor. C. H. Gunn. 1,979,541; Nov. 6.
- Fertilizer distributor. G. B. Read. 1,959,108; May 15.
- Fertilizer distributor. H. R. Traphagen. 1,971,800; Aug. 28.
- Fertilizer from raw phosphate, Producing a. S. J. Gelhaar. 1,970,372; Aug. 14.
- Fertilizer manufacture. C. L. Burdick. 1,948,454; Feb. 20.
- Fertilizer, Manufacture of. C. J. Hansen. 1,961,104; May 29.
- Fertilizer, Manufacture of. W. Klempt and F. Brodtkorb. 1,969,650; Aug. 7.
- Fertilizer, Manufacturing nitrogenous. W. H. Waggman. 1,944,046; Jan. 16.
- Fertilizer, Mixed. C. Eyer and F. Korn. 1,952,849; Mar. 27.
- Fertilizer, Noncaking mixed. C. Eyer, G. Baetz, and A. Herterich. 1,966,947; July 17.
- Fertilizer, Production of a compound. J. P. L. Remy-Neris. 1,951,489; Mar. 20.
- Fertilizers, Apparatus for producing phosphatic. B. Ober, W. W. Pagon, G. L. Pruett, and W. W. Troxell. 1,982,479; Nov. 27.
- Fertilizers containing ammonium nitrate, Production of mixed. C. Krauch, C. Eyer, G. Baetz, and F. Korn. 1,947,601; Feb. 20.
- Fertilizers, Manufacture of. E. Luscher. 1,950,945; Mar. 13.
- Fertilizers, Manufacture of. F. Mitteau. 1,963,711; June 19.
- Fertilizers, Manufacture of. M. Shoeld. 1,980,008; Nov. 6.
- Fertilizers, Manufacturing. F. W. Sperr, jr. 1,968,323; July 31.
- Fertilizers, Producing. W. H. MacIntire. 1,953,419; Apr. 3.
- Fertilizers, Producing calcium nitrate. E. Lüscher and E. Stirnemann. 1,966,395; July 10.
- Fertilizers, Producing mixed. H. Tramm. 1,965,301; July 3.
- Fertilizers, Production of. W. K. Hall. 1,977,628; Oct. 23.
- Fiber board container. F. R. Bliss. 1,974,527; Sept. 25.
- Fiber can. R. E. Harris. 1,950,173; Mar. 6.
- Fiber cleaning belt-machine. F. P. Gardner. 1,960,663; May 29.
- Fiber cleaning machine. P. M. Strang. 1,968,860; Apr. 7.
- Fiber combing machine. G. Knowles. 1,953,536; Apr. 3.
- Fiber plate. F. D. Wilson. 1,945,013; Jan. 30.
- Fiber products, Making. A. Gerard and M. Weisman. 1,970,742; Aug. 21.
- Fiber products, Manufacture of. T. B. Munroe and M. D. Coulter. 1,968,418; July 31.
- Fiber products, Protecting. F. A. Irvine. 1,942,706; Jan. 9.
- Fiber, Radioactive artificial. F. Fattinger and O. Haas. 1,956,948; May 1.
- Fiber, Screening and refining of. W. H. Mason. 1,970,330; Aug. 14.
- Fiber sheet and its manufacture. E. H. Hussey. 1,952,208; Mar. 27.
- Fiber testing apparatus. H. Ewing and R. P. Roberts. 1,970,292; Aug. 14.
- Fibers, Cleaning. F. P. Gardner. 1,959,757; May 22.
- Fibers, Device for rapidly determining the fineness of. J. I. Hardy. 1,957,886; May 8.
- Fibers fit to be spun from muscular flesh, Obtaining. P. Bost. 1,956,058; Apr. 24.
- Fibers from seed cotton, Device for use in making arrays of. H. C. McNamara and R. T. Stutts. 1,957,411; May 1.
- Fibers in aqueous suspension, Method and apparatus for screening. H. W. Johnston. 1,950,924; Mar. 13.
- Fibers, Manufacture of artificial. A. Kämpf. 1,960,634; May 29.
- Fibers, Method of and apparatus for trimming projecting. J. H. Damon. 1,966,423; July 10.
- Fibers, Oiling and dressing. J. Nuesslein and H. Ulrich. 1,985,687; Dec. 25.
- Fibers or filaments, Device for measuring the lengths of. W. Sever. 1,980,883; Nov. 13.
- Fibers, Sizing artificial. C. F. Chandler. 1,943,000; Jan. 9.
- Fibers, Treating natural and artificial. A. G. Bouhuys. 1,979,188; Oct. 30.
- Fibroin, Dissolving. F. Gajewski, H. Fink, E. Rossner, and H. Mahn. 1,966,756; July 17.
- Fibrous article and making the same. J. B. Hawley. 1,952,168; Mar. 27.
- Fibrous articles, Apparatus for the production of pressed. G. J. Manson. 1,983,553; Dec. 11.
- Fibrous articles, Making thin pressed. G. J. Manson. 1,951,940; Mar. 20.
- Fibrous articles, Process and apparatus for finishing pressed. G. J. Manson. 1,983,554; Dec. 11.
- Fibrous cellulose material, Bleaching. J. Campbell and L. O. Rolleston. 1,957,937; May 8.
- Fibrous coating to a filament or wire, Process of and apparatus for applying a. B. W. Luttenberger. 1,950,988; Mar. 13.
- Fibrous composition and manufacture. H. C. Fisher. 1,949,249; Feb. 27.
- Fibrous material and making same, Treated. W. R. Seigle. 1,982,542; Nov. 27.
- Fibrous material and treating same. M. C. Teague and N. H. Brewster. 1,957,301; May 1.
- Fibrous material, Apparatus for treating. I. Tudor and O. Tudor-Hart. 1,971,124; Aug. 21.
- Fibrous material, Apparatus for treating. S. D. Wells. 1,949,669; Mar. 6.
- Fibrous material, Art of and apparatus for conveying. A. P. Aldrich, jr. 1,974,999; Sept. 25.
- Fibrous material, Drying. H. G. Walker and A. T. March. 1,956,737; May 1.
- Fibrous material, Method and apparatus for use in the digestion of. T. L. Dunbar. 1,977,379; Oct. 16.
- Fibrous material, Moisture resistant. P. C. Seel. 1,957,912; May 8.
- Fibrous material, Process and apparatus for. O. C. Schoenwerk. 1,943,489; Jan. 16.
- Fibrous material, Treating. L. A. Goodman. Re19,325; Sept. 25.
- Fibrous material, Treatment of. R. P. Rose and A. F. Owen. 1,982,024; Nov. 27.

- Fibrous material with electric current, Treating. A. Uhlmann, F. Seidel, and J. Ronke. 1,972,608; Sept. 4.
- Fibrous materials. C. Schoeller. 1,951,712; Mar. 20.
- Fibrous materials, Apparatus for making. E. Hopkinson. 1,949,472; Mar. 6.
- Fibrous materials, Filled. G. E. Pelton. 1,951,806; Mar. 20.
- Fibrous materials for building elements, Impregnating. K. Erdmann. 1,981,592; Nov. 20.
- Fibrous materials, Pulping of manila, sisal, or like raw. G. A. Richter. 1,954,226; Apr. 10.
- Fibrous materials, Reclaiming. P. Trunsky. 1,973,450; Sept. 11.
- Fibrous materials, Treating. T. W. Bacchus. Re19,288; Aug. 28.
- Fibrous materials, Treatment of. I. Tudor and O. Tudor-Hart. 1,941,451; Jan. 2.
- Fibrous materials, Utilizing. E. C. Lathrop and F. A. Irvine. 1,973,637; Sept. 11.
- Fibrous product and producing the same, Photographically printed. D. A. Shiraef and F. Jacobs. 1,972,323; Sept. 4.
- Fibrous product, Distended. F. L. Bryant. 1,966,437; July 17.
- Fibrous products with inorganic binders. W. A. Boughton. 1,975,081; Oct. 2.
- Fibrous sheets, Building. C. A. Baer. 1,953,457; Apr. 3.
- Fibrous stock, Saturating. I. J. Novak. 1,966,458; July 17.
- Fibrous web for impregnation purposes. G. A. Richter. 1,956,045; Apr. 24.
- Fibrous webs, Manufacture of waterlaid. M. O. Schur. 1,980,881; Nov. 13.
- Field signaling device. J. Straughan. 1,946,595; Feb. 13.
- Field strength in electromagnetic devices, Adjusting. R. D. Salmon. 1,944,578; Jan. 23.
- Field strength meter. P. B. Taylor. 1,982,331; Nov. 27.
- Field-winding for dynamo-electric machines. L. P. Shield-neck. 1,954,683; Apr. 10.
- Fifth wheel. J. R. Konetsky. 1,943,734; Jan. 16.
- Fifth wheel. F. I. Rogers. 1,947,987; Feb. 13.
- Fifth wheel. F. G. Spencer. 1,958,723; May 15.
- Fifth wheel lock. L. E. Lubbers. 1,946,167; Feb. 6.
- Fig slicing machine. H. Krum, G. Preall, and J. H. Chambers. 1,962,779; June 12.
- Figure for exemplifying the golf swing, Mechanical. J. D. Wallace and C. H. Landis. 1,983,329; Dec. 4.
- Figure toy. M. B. Pollock. 1,974,366; Sept. 18.
- Filament filling machines, Attachment for. A. Greenhalgh. 1,964,628; June 26.
- Filament for thermionic tubes. R. Gürtler. 1,966,242; July 10.
- Filament making machine. V. Anderson and D. G. Trutner. 1,947,449; Feb. 20.
- Filament support. W. W. Eitel and J. McCullough. 1,983,694; Dec. 11.
- Filament winding and treating. T. Malkomes. 1,955,719; Apr. 17.
- Filamentary material and means therefor, Treating. G. L. Brownell. 1,962,424; June 12.
- Filamentary material, Device for twisting textile. S. Spagnolo. 1,983,413; Dec. 4.
- Filamentary material, Manufacture of. E. Hopkinson. 1,943,436; Jan. 16.
- Filamentary materials, Manufacture of. E. Hopkinson. 1,943,439; Jan. 16.
- Filaments and the like, Spinning of artificial. W. I. Taylor. 1,949,983; Mar. 6.
- Filaments, Apparatus for the spinning of cuprammonium. A. Hartmann and W. Höfinghoff. 1,975,575; Oct. 2.
- Filaments, Manufacture of artificial. H. Hofmann. 1,974,273; Sept. 18.
- Filaments, Manufacture of artificial. J. J. Stoeckly and A. Brütz. 1,984,325; Dec. 11.
- Filaments, Method and apparatus for making elastic. W. A. Gibbons, E. Hazell and A. W. Keen. 1,947,080; Feb. 13.
- Filaments, Method of and apparatus for feeding. R. Kunath. 1,962,902; June 12.
- Filaments or fibers, Apparatus for the manufacture of artificial. R. H. Parkinson and F. A. Rjeson. 1,953,493; May 15.
- Filaments or threads, Apparatus for the production of artificial. H. Dreyfus, E. Kinsella, J. Bower, and W. I. Taylor. 1,942,540; Jan. 9.
- Filaments or threads by the dry spinning method, Production of artificial. W. I. Taylor. 1,943,353; Jan. 16.
- Filaments or threads, Manufacture of artificial. H. Dreyfus and W. I. Taylor. 1,949,604; Mar. 6.
- Filaments or threads, Manufacture of artificial. H. Dreyfus and W. I. Taylor. 1,950,025-6; Mar. 6.
- Filaments, Process and apparatus for making artificial. C. Dreyfus and W. Whitehead. 1,972,922; Sept. 11.
- Filaments, Process and apparatus for the manufacture of artificial. E. Brauer. 1,980,468; Nov. 13.
- Filaments, Spinning of artificial. C. Dreyfus and W. Whitehead. 1,958,238; May 8.
- Filaments, Stretching. R. Etkorn. 1,981,351; Nov. 20.
- Filaments, threads, films, or the like. S. A. Welch. 1,983,330; Dec. 4.
- Filaments, Twisting and winding artificial. H. C. Curtis. 1,976,332; Oct. 9.
- Filaments, yarns, or threads of cellulose derivatives, Manufacture or treatment of. H. Dreyfus. 1,972,924; Sept. 11.
- Filaments, yarns or threads, Treatment of. W. I. Taylor. 1,957,508; May 8.
- File, Rolling or sliding card. A. J. Kotcher. 1,984,485; Dec. 18.
- File. R. L. Harden. 1,952,753; Mar. 27.
- File box. W. B. Jensen. 1,968,082; July 31.
- File guide. H. Forsyth. 1,958,659; May 15.
- File holder, Flexible. W. J. Brown. 1,972,260; Sept. 4.
- File or the like, Paper. E. S. Roscoe. Des. 92,372; May 29.
- File, Paper. R. G. Ferrera. 1,976,390; Oct. 9.
- File pocket and wallet, Expanding. E. E. Hart. 1,956,325; Apr. 24.
- File, Storage. S. C. Huffman. 1,962,596; June 12.
- Files, Apparatus for sharpening. A. A. Roth. 1,942,881; Jan. 9.
- Filing container. F. D. Jonas. 1,944,328; Jan. 23.
- Filing, cutting, scraping, and manicuring implement. S. Segal. 1,969,100; Aug. 7.
- Filing device. H. Frey. 1,958,084; May 8.
- Filing device. L. E. Hutchings. 1,978,381; Oct. 23.
- Filing device. F. A. Pettis. 1,941,910; Jan. 2.
- Filing machine. B. and T. Grob. 1,949,742; Mar. 6.
- Filing machine. B. and T. Grob. 1,958,477; May 15.
- Filing of file wrappers or similar objects, Apparatus for the vertical. M. Dequeker. 1,953,552; Apr. 3.
- Filler and flat construction. R. Guyer. 1,943,667; Jan. 16.
- Filler cap. W. H. Radford. 1,947,797; Feb. 20.
- Filler cap. K. E. Stant. 1,964,277; June 26.
- Filler feed for cigar machines. C. V. Lindblad. 1,977,994; Oct. 23.
- Filler for chemical beating pads. H. E. Simmons. 1,953,513; Apr. 3.
- Filler for egg boxes. N. A. Petter. 1,963,379; June 19.
- Filler head and sirupur, Combination. J. E. Henes. 1,953,605; Apr. 3.
- Fillet forming and applying device. H. J. Jacobson. 1,959,628; May 22.
- Filling and measuring machine. B. N. Pierce. 1,949,580; Mar. 6.
- Filling and stuffing machine for mattresses and the like. W. P. F. Fanghanel and A. S. G. Rolstone. 1,953,850; Apr. 3.
- Filling apparatus. G. J. Meyer. 1,965,246; July 3.
- Filling detector. W. C. Waters, L. L. Purvis, and S. G. Taylor. 1,944,624; Jan. 23.
- Filling device. C. G. Butler. 1,981,495; Nov. 20.
- Filling device for hydraulic gears. H. Föttinger. 1,975,505; Oct. 2.
- Filling device for packing machines. P. Gangler. 1,943,013; Jan. 9.
- Filling feeder for looms. E. C. Smith. 1,947,624; Feb. 20.
- Filling for cold accumulators, Metallic. M. Fränkl. Re19,140; Apr. 17.
- Filling inaccessible spaces. G. L. Tappen. 1,971,123; Aug. 21.
- Filling machine. A. Calleson. 1,953,642; Apr. 3.
- Filling machine. A. Calleson. 1,953,643; Apr. 3.
- Filling machine. A. Calleson. 1,953,644; Apr. 3.
- Filling machine. A. Calleson. 1,953,645; Apr. 3.
- Filling machine. A. L. Currier. 1,953,646; Apr. 3.
- Filling machine. H. R. Lewis. 1,946,025; Feb. 6.
- Filling machine. L. De Markus. 1,985,767; Dec. 25.
- Filling machine. J. Schmidt. 1,956,595; May 1.
- Filling machine and filling containers. J. E. Weaver. 1,978,002; Oct. 23.
- Filling material for welding scale-resisting steels containing aluminum. H. J. Schiffer. 1,972,667; Sept. 4.
- Filling mechanism and method. E. B. Thomas. 1,946,298; Feb. 6.
- Filling neck protector. J. Harkness. 1,971,714; Aug. 28.
- Filling tube. W. E. Williams. 1,976,975; Oct. 16.
- Filling unit. W. J. Huff, O. W. Lusby, and L. Logan. 1,947,777; Feb. 20.
- Film advancing mechanism for motion picture apparatus. R. C. McClay. 1,951,762; Mar. 20.
- Film and ink for making same, Inscription bearing. H. Lummerzheim and E. Schnitzler. 1,983,910; Dec. 11.
- Film and making same, Noncurling cellulose organic derivative. J. G. McNally and N. F. Beach. 1,984,416; Dec. 18.
- Film and making same, Protected motion picture. L. L. Steele. 1,946,004; Feb. 6.
- Film and making the same, Transparent. T. F. Menzel. 1,970,388; Aug. 14.
- Film and preparing them, Multicolor. W. Krieger. 1,966,412; July 10.
- Film and projecting the same, Motion picture. T. H. Hunter. 1,966,503; July 17.
- Film, Animated slide advertising. W. C. Hyde. 1,957,782; May 8.
- Film backing, Nonhalation. K. C. D. Hickman and C. R. Sanford. 1,950,890; Mar. 13.
- Film cartridge, Photographic. O. Wittel. 1,973,457; Sept. 11.
- Film charging device for use with cinematographic cameras and projectors. C. E. Hillery-Collings. 1,960,082; May 22.
- Film, Coated motion picture. L. L. Steele. 1,946,005; Feb. 6.
- Film-coating rolls and the like, Apparatus for. H. J. Baxter. 1,949,234; Feb. 27.
- Film conveying method and apparatus. L. T. Troland. 1,974,935; Sept. 25.
- Film cooling device. K. Hoffmann. 1,953,713; Apr. 3.

- Film developing and handling frames. A. W. Buck. 1,955,575; Apr. 17.
- Film developing apparatus, Automatic. J. W. Smith. 1,969,823; Aug. 14.
- Film developing machine, Tension-operated motion-picture. V. C. de Ybarondo. 1,946,841; Feb. 13.
- Film editor. J. V. Curran. 1,948,842; Feb. 27.
- Film, etc., Leaching. E. R. Taylor and C. E. Allen. 1,942,848; Jan. 9.
- Film feed magazine. J. L. Spence, jr. 1,964,370; June 26.
- Film feeding means for motion picture devices, Automatically compensating. J. L. Spence, jr. 1,976,197; Oct. 9.
- Film feeding mechanism. D. Mowat. 1,918,370; Nov. 20.
- Film-handling mechanism. W. L. Wright. 1,980,463; Nov. 13.
- Film, Flowed. J. H. Stevens and J. F. Walsh. 1,963,765; June 19.
- Film for color photography. T. T. Baker, C. Bonamico, and R. A. S. Grist. 1,962,679; June 12.
- Film for motion picture apparatus, Reversible. D. H. Stewart. 1,969,484; Aug. 7.
- Film for photographic cameras, Roll. W. Naewigh. 1,944,132; Jan. 16.
- Film for projecting stereoscopic motion pictures, Method and apparatus for producing. E. L. Greensfelder. 1,963,438; June 19.
- Film gate. W. H. Bauch. 1,971,365; Aug. 28.
- Film gate. C. R. Hanna. 1,985,031; Dec. 18.
- Film gate. G. G. Moreno. 1,945,909; Feb. 6.
- Film gate for motion picture apparatus. E. L. Opperman. 1,969,475; Aug. 7.
- Film gate for motion-picture-projection machines. L. S. Frappier and E. Boecking. 1,941,676; Jan. 2.
- Film gate, Photographic. P. R. Ord. 1,957,904; May 8.
- Film guide and registration system for motion picture machines. G. B. Pollock. 1,966,684; July 17.
- Film guide construction. W. L. Wright. 1,961,471; June 5.
- Film guiding roll for cinematographic apparatus. L. Goldhammer and F. Stiefenhofer. 1,966,857; July 17.
- Film handling and apparatus therefor. B. A. Proctor. 1,944,037; Jan. 16.
- Film handling apparatus. W. D. Foster. 1,943,304-5; Jan. 16.
- Film handling apparatus. W. D. Foster. 1,944,025; Jan. 16.
- Film handling apparatus. W. D. Foster. 1,944,027-9; Jan. 16.
- Film handling apparatus. W. D. Foster and F. D. Sweet. 1,954,808; Apr. 17.
- Film handling apparatus. H. G. Ponting and G. W. Ford. 1,944,032; Jan. 16.
- Film handling apparatus. B. A. Proctor. 1,944,035; Jan. 16.
- Film handling apparatus. B. A. Proctor. 1,944,036; Jan. 16.
- Film handling apparatus and footage recording device therefor. F. D. Sweet. 1,944,038; Jan. 16.
- Film handling mechanism. W. L. Wright. 1,955,160; Apr. 17.
- Film holding attachment for cameras. G. R. Wear. 1,971,435; Aug. 28.
- Film holding device. H. B. Dilkes. 1,945,481; Jan. 30.
- Film holding device. F. Martindell. 1,945,493; Jan. 30.
- Film, Lenticulated. F. Fischer. 1,984,471; Dec. 18.
- Film magazine. N. Bouveng. 1,984,111; Dec. 11.
- Film magazine construction. D. McMaster. 1,942,869; Jan. 9.
- Film magazine for amateur motion picture cameras. E. S. Porter. 1,954,841; Apr. 17.
- Film magazine, Self-threading. C. J. Hughey. 1,966,347; July 10.
- Film marking. L. T. Troland. 1,963,510; June 19.
- Film measuring device. J. H. Spray. 1,974,758; Sept. 25.
- Film, Method and apparatus for canceling motion picture. L. C. Lange. 1,965,196; July 3.
- Film micrometer. B. H. Horstkotte. 1,961,764; June 5.
- Film movement and film pressure release, Combined intermittent claw feed. T. M. De La Garde. 1,944,500; Jan. 23.
- Film moving mechanism. M. Merta. 1,982,921; Dec. 4.
- Film moving mechanism, Intermittent. W. A. Kraft. 1,984,143; Dec. 11.
- Film or layer, Transparent. H. V. Funham. 1,981,588; Nov. 20.
- Film pack. J. H. S. Parker. 1,962,359; June 12.
- Film package, Photographic. J. Mihalyi. 1,947,482; Feb. 20.
- Film past a place of recording or reproduction, Method and apparatus for advancing. E. E. W. Anderson and G. K. V. Johanson. 1,980,978; Nov. 20.
- Film, Photographic stripping. C. R. Fordyce and M. Salo. 1,973,476; Sept. 11.
- Film, Plied aqueous cellulose. F. W. Hochstetter. 1,972,383; Sept. 4.
- Film precipitator, Water. A. N. Crowder and R. B. Hesson. 1,968,334; July 31.
- Film printing machine, Multiple. R. C. Wagner. 1,951,299; Mar. 13.
- Film processing, Photographic. J. Crabtree. 1,961,338; June 5.
- Film recording system, Sound. J. G. Frayne and R. R. Scoville. 1,951,903; Mar. 20.
- Film reel. E. J. Schaub. 1,946,764; Feb. 13.
- Film reel and support thereof. O. Wittel. 1,941,523; Jan. 2.
- Film, Reenforcing cinematograph. N. Pedersen. 1,943,989-90; Jan. 16.
- Film retaining means. L. W. Lessler and C. Bornmann. 1,978,638; Oct. 30.
- Film roll magazine for cameras, Auxiliary. L. Black. 1,944,312; Jan. 23.
- Film safety cut-out for moving picture machines. J. L. Spence, jr. 1,984,847; Dec. 18.
- Film shrinkage control. H. W. Menke. 1,943,687; Jan. 16.
- Film splicer. H. H. Rohrdanz. 1,972,536; Sept. 4.
- Film splicer. H. F. Rohrdanz. 1,981,332; Nov. 20.
- Film, Spooled. D. H. Kinloch. 1,962,959; June 12.
- Film spooling system, Motion-picture. O. Wittel. 1,941,522; Jan. 2.
- Film spools, Method and blank for making. T. G. Baxenden and J. R. Collyear. 1,967,920; July 24.
- Film sprocket, Variable pitch motion picture. H. D. Philips. 1,973,503; Sept. 11.
- Film strip, Photographic. W. H. Petit and E. S. Hine-line. 1,963,096; June 19.
- Film-strips, Apparatus for cleaning. E. M. Reynolds. 1,975,289; Oct. 2.
- Film supporting and driving apparatus. E. W. Kellogg. 1,919,270; Aug. 14.
- Film-supports for color photography, Making. J. Eggert and G. Heymer. 1,943,169; Jan. 9.
- Film tensioning and positioning device for photographic projectors. W. W. Wood and F. W. Lutz. 1,956,938; May 1.
- Film threading device for speaking movie machines. A. Dina. 1,949,457; Mar. 6.
- Film, tinting, dyeing, or backing photographic. K. C. D. Hickman. 1,957,888; May 8.
- Film treating apparatus. G. C. Beidler. 1,977,753; Oct. 23.
- Film, Treating cut. H. E. Van Derhoef. 1,976,311; Oct. 9.
- Film, Treating photographic. C. Holzwarth. 1,947,160; Feb. 13.
- Film winding device for motion picture apparatus. O. Wittel. 1,946,604; Feb. 13.
- Film winding mechanism. J. W. Droll and A. H. Olson. 1,950,601; Mar. 13.
- Film winding mechanism. H. C. Wellman. 1,962,373; June 12.
- Films and apparatus therefor, Numbering moving picture. J. L. Spence, jr. 1,948,319; Feb. 20.
- Films and coatings of cellulose material, Production of. C. W. Bonniksen. 1,976,539; Oct. 9.
- Films and obtaining synchronized film and shutter movements in cinematographic cameras and projectors, Intermittently traversing photographic. C. E. Hillery-Collings. 1,946,310; Feb. 6.
- Films and product thereof, Sonorizing goffered. I. Kit-roser. 1,984,532; Dec. 18.
- Films and the like, Apparatus for drying cellulose. E. Bleibler. 1,973,245; Sept. 11.
- Films, Apparatus for coloring. O. C. Gilmore. 1,964,257; June 26.
- Films, Apparatus for copying goffered. A. Wright. 1,982,187; Nov. 27.
- Films, Apparatus for preparing. A. G. Wise. 1,977,166; Oct. 16.
- Films, Apparatus for projecting lenticular. G. Heymer. 1,984,481; Dec. 18.
- Films, Apparatus for projecting lenticular screen. G. Heymer. 1,953,176; Apr. 3.
- Films, Apparatus for splicing. J. A. Maurer, jr., and H. H. Friend. 1,981,368; Nov. 20.
- Films, Apparatus for the treatment of cinematographic and similar. R. Marcon. 1,965,504; July 3.
- Films, Apparatus for treating cinematograph. A. S. Henderson. 1,979,106; Oct. 30.
- Films containing cellulose acetate, Manufacture of. H. J. Hands. 1,974,024; Sept. 18.
- Films, foils, and the like, Apparatus for making. G. Schneider. 1,981,472; Nov. 20.
- Films from cellulosic materials, Manufacture of. S. E. Sheppard and L. W. Eberlin. 1,942,840; Jan. 9.
- Films having a goffered base, Reproducing. J. L. Vidal. 1,959,885; May 22.
- Films in cinematographic apparatus, Device for reducing the stresses upon. E. Oehmichen. 1,957,148; May 1.
- Films in natural colors, Sound-record cinematograph. C. Bonamico. 1,984,456; Dec. 18.
- Films, Manufacture of sound. F. Sochor. 1,966,873; July 17.
- Films, Marking of. F. Schiffl. 1,962,216; June 12.
- Films, Method and apparatus for treating continuous. J. Shaw and J. W. Berwick. 1,958,211; May 8.
- Films, Preparing cellulose acetate. E. S. Farrow and S. J. Carroll. 1,954,312; Apr. 10.
- Films, Production of sensitized. L. Rado. 1,972,314; Sept. 4.
- Films, System and method for printing motion picture. D. A. Whitson and L. W. Physioc. 1,963,342; June 19.
- Films to provide fade-in and fade-out effects, Treating motion picture. R. C. Mercer. 1,943,389; Jan. 16.
- Films, Treating photographic. N. E. Titus. 1,952,572; Mar. 27.
- Films which, on being exhibited, show stereoscopic cinematographic pictures, Apparatus for producing. H. B. Brand. 1,950,473; Mar. 13.
- Films with sound records, Manufacture of cinematographic. T. T. Baker. 1,955,045; Apr. 17.

- Filter: See—
 Air filter. Multiplex rotary filter.
 Color filter. Oil filter.
 Crystal filter. Piezo-electric wave filter.
 Damped mechanical filter. Pressure filter.
 Drying filter. Rotary drum filter.
 Dust filter. Salt filter.
 Electric wave filter. Selfcleaning continuous filter.
 Faucet filter. ter.
 Liquid filter. Wave filter.
 Mechanical filter.
- Filter. H. O. Beatty. 1,965,999; July 10.
 Filter. S. F. Briggs. 1,978,856; Oct. 30.
 Filter. E. M. Brodersen. 1,977,818; Oct. 23.
 Filter. J. H. Cohen. 1,953,289; Apr. 3.
 Filter. M. O. Crawford. 1,977,174; Oct. 16.
 Filter. A. Harf. 1,979,197; Oct. 30.
 Filter. O. Hennings. 1,941,895; Jan. 2.
 Filter. G. T. Hiatt. 1,946,163; Feb. 6.
 Filter. K. D. Jones and W. R. Thomas. 1,946,744; Feb. 13.
 Filter. G. Lien. 1,950,254; Mar. 6.
 Filter. E. H. Morgan. 1,958,279; May 8.
 Filter. V. C. Norquist and E. E. Treanor. 1,976,408; Oct. 9.
 Filter. A. D. Redner. 1,969,033; Aug. 7.
 Filter. H. W. Schmeusser. 1,972,322; Sept. 4.
 Filter. G. Tabozzi. 1,981,397; Nov. 20.
 Filter. A. ten Bosch, N.Jzn. 1,974,697; Sept. 25.
 Filter. J. C. Thornburgh and E. S. Cason. 1,958,728; May 15.
 Filter. E. E. Trafton. Re19,298; Aug. 28.
 Filter. J. Weinstein. 1,942,584; Jan. 9.
 Filter. H. A. Wieneke. 1,962,542; June 12.
 Filter. J. Zwicky, W. F. Hunt, and S. A. Tyler. 1,971,090; Aug. 21.
 Filter aid. R. S. Thatchner. Re19,166; May 15.
 Filter and filter element and making filter elements. M. A. Goldman. 1,958,268; May 8.
 Filter and fluid segregator assembly. D. Samiran. 1,971,353; Aug. 28.
 Filter apparatus. Air. H. Wittemeier and W. Neumann. 1,941,524; Jan. 2.
 Filter cake discharge. H. W. Newton. 1,979,990; Nov. 6.
 Filter cake, Method and apparatus for forming, compacting, and discharging. H. W. Newton and R. S. Butler. 1,979,991; Nov. 6.
 Filter cake thickness control. A. J. Fischer. 1,963,616; June 19.
 Filter cartridge. W. G. Burhans. 1,981,307; Nov. 20.
 Filter cartridge for smoking appliances, Absorbent. P. H. Minton. 1,967,585; July 24.
 Filter circuit device, Electrical. P. E. Edelmann. 1,974,179; Sept. 18.
 Filter circuits. I. B. Levine. 1,951,025; Mar. 13.
 Filter clay. Revivifying. N. E. Lemmon and A. B. Brown. 1,946,748; Feb. 13.
 Filter-condenser. D. E. Briggs and C. H. Kain. 1,973,694; Sept. 18.
 Filter device. C. J. Freed, G. M. Baum, and F. S. Patterson. 1,984,339; Dec. 11.
 Filter element. H. Adam. 1,971,972; Aug. 28.
 Filter for heating and ventilating units, Air. W. Shurtleff. Re19,260; July 31.
 Filter for liquid and gas substances. R. Dumas. 1,976,547; Oct. 9.
 Filter for liquids. M. Hurst. 1,953,759; Apr. 3.
 Filter for producing color pictures on lenticular films, Process and multicolor. G. Heymer. 1,970,890; Aug. 21.
 Filter for radio signals. W. S. Hinman, jr. 1,954,295; Apr. 10.
 Filter for smoking appliances, Absorbent. P. H. Minton. 1,967,586; July 24.
 Filter for suppression of high frequency circuits. F. J. Given. 1,984,526; Dec. 18.
 Filter masses, Sterilizing. K. Enzinger. 1,956,673; May 1.
 Filter medium and making the same, Oil. K. E. Lyman and K. Miller. 1,963,945; June 19.
 Filter or strainer. A. Hoare. 1,979,200; Oct. 30.
 Filter pad. M. T. Wells. 1,955,158; Apr. 17.
 Filter press. N. H. Hiller and A. Roe. 1,977,480; Oct. 16.
 Filter pressure control, Oil. H. G. Kamrath. 1,942,554; Jan. 9.
 Filter screen. V. C. Norquist. 1,982,924; Dec. 4.
 Filter system. R. D. Duncan, jr. 1,946,574; Feb. 13.
 Filter system. C. R. Hanna. 1,985,030; Dec. 18.
 Filter system, Electrical. B. F. Miessner. 1,947,218; Feb. 13.
 Filter system, Selective. A. M. Trogner. 1,985,303; Dec. 25.
 Filter unit. J. J. Armstrong. Re19,359; Nov. 6.
 Filtering. R. B. Rathbun. 1,944,267; Jan. 23.
 Filtering apparatus. M. Lamort. 1,945,491; Jan. 30.
 Filtering apparatus. P. B. Renfrew and L. R. Hartley. 1,958,394; May 8.
 Filtering apparatus. E. von Maltitz. 1,945,839; Feb. 6.
 Filtering apparatus and process. G. W. O'Keefe. 1,948,947; Feb. 27.
 Filtering device. L. M. Gill. 1,941,982; Jan. 2.
 Filtering element. J. de la Torre. 1,943,165; Jan. 9.
 Filtering material and method. V. C. Benjamin. 1,954,236; Apr. 10.
 Filtering material for revivification, Preparing used. A. E. Pew, jr., and L. A. Tarbox. 1,982,828; Dec. 4.
 Filtering materials, Revivifying. J. D. Haseman. 1,956,025; Apr. 24.
 Filtering method and material. V. C. Benjamin. 1,949,644; Mar. 6.
 Filtering system. G. R. Ericson. 1,944,550; Jan. 23.
 Filtering used journal box oil, Method and apparatus for. L. C. McNamara, I. M. Conway, W. T. Bissell, H. H. Harold, and C. R. Wicker. 1,964,326; June 26.
 Filtration. I. M. Perkins. 1,980,431; Nov. 13.
 Filtration apparatus. A. Wright and F. W. Young. Re19,187; Apr. 17.
 Filtration, Method of and material for. G. C. Pierce. 1,981,877; Nov. 27.
 Filtration process and apparatus. R. D. Elliott. 1,978,254; Oct. 23.
 Financial status visualizer. F. X. A. Eble and F. W. Gast. 1,967,230; July 24.
 Finger and toe nails, Treating the human. S. P. Roberts. 1,978,144; Oct. 23.
 Finder for photographic cameras. L. E. W. van Albada. 1,975,302; Oct. 2.
 Finger nail, Artificial. A. Hamberg. 1,942,332; Jan. 2.
 Finger print card holder. J. Carpani. 1,957,628; May 8.
 Finger ring. J. D. Bobbroff. 1,972,128; Sept. 4.
 Finger ring. R. T. Dieges. 1,983,348; Dec. 4.
 Finger ring. F. A. Fasking. Des. 91,927-9; Apr. 10.
 Finger ring. V. L. Fulton. Des. 93,550; Oct. 9.
 Finger ring. F. T. Johnson. Des. 93,402; Sept. 25.
 Finger ring. F. P. Kinsley. Des. 93,829-30; Nov. 13.
 Finger ring. P. Mertens. Des. 91,680; Mar. 6.
 Finger ring. E. Steffen. Des. 91,546-7; Feb. 20.
 Finish and producing same. C. M. Andres. 1,973,740; Sept. 18.
 Finish for fabrics and the like, High glaze. A. W. Bateman and R. E. Thomas. 1,954,751; Apr. 10.
 Finish remover composition. G. Klinsenstein. 1,974,744; Sept. 25.
 Finish testing method and apparatus. R. Burns. 1,961,333; June 5.
 Finisher, Apparatus for applying wall. E. J. Miller. 1,960,276; May 29.
 Finishes for surfaces. C. S. Dippel. 1,967,295; July 24.
 Finishing apparatus. B. A. Franklin. 1,952,064; Mar. 27.
 Finishing, draining, and packing mechanism for centrifugal casting machines. M. T. Soso. 1,979,415; Nov. 6.
 Finishing machine. F. Ashworth. 1,954,035; Apr. 10.
 Finishing machine. H. V. Nown. 1,983,635; Dec. 11.
 Finishing structure and the like. A. G. W. Wedberg. 1,974,130; Sept. 18.
 Finishing tool. J. Wostl. 1,952,960; Mar. 27.
 Pinned tube. E. G. Lehman. 1,972,230; Sept. 4.
 Fins to radiator tubes, Bonding. F. M. and L. M. Young. 1,970,481; Aug. 14.
 Fire alarm. H. J. Blakeslee. 1,949,856; Mar. 6.
 Fire alarm and detector system. M. T. Souney, L. Toczko, and J. Moore. 1,953,441; Apr. 3.
 Fire alarm and extinguisher. S. B. Forman. 1,982,653; Dec. 4.
 Fire alarm system. O. I. H. Ekman. 1,977,121; Oct. 16.
 Fire alarm system. J. M. Johnson. 1,976,347; Oct. 9.
 Fire alarm, Automatic. C. E. Cole, E. Morrison, and I. V. Sigsbee. 1,970,224; Aug. 14.
 Fire apparatus. H. P. Lundskow. 1,979,041; Oct. 30.
 Fire, Apparatus for the extinguishment of. F. L. Boyd. 1,956,310; Apr. 24.
 Firearm. L. L. Driggs, jr. 1,970,501; Aug. 14.
 Firearm. E. Hayslip. 1,964,634; June 26.
 Firearm. C. G. Svebilus. 1,984,443; Dec. 18.
 Firearm construction. H. B. Dutton. 1,972,763; Sept. 4.
 Firearm light. J. Zajac. 1,950,835; Mar. 13.
 Firearm receiver. F. F. Burton and W. C. Roemer. 1,969,255; Aug. 7.
 Firearm, Repeating. J. E. Browning. 1,971,597; Aug. 28.
 Firearm, Self loading. A. Marek. 1,960,913; May 29.
 Firearms. S. L. Stetson. 1,964,649; June 26.
 Firearms. Thumb grip for. E. Jones. 1,962,775; June 12.
 Fire blanket spreader. A. W. Lawson and R. A. Dickson. 1,951,798; Mar. 20.
 Fire box. J. F. Slater. 1,981,127; Nov. 20.
 Fire control apparatus, Device for. S. J. van den Bergh. 1,951,852; Mar. 20.
 Firedoor construction for stokers. C. J. Surdy. 1,972,834; Sept. 4.
 Fire escape. E. Gross. 1,942,695; Jan. 9.
 Fire escape. E. Gross. 1,982,865; Dec. 4.
 Fire escape. J. H. Parsons. 1,980,595; Nov. 13.
 Fire escape, Tubular. F. M. Potter. 1,950,996; Mar. 13.
 Fire extinguisher. E. F. Baumgarten. 1,982,192; Nov. 27.
 Fire extinguisher. H. W. Boughty. 1,966,661; July 17.
 Fire extinguisher. G. Braun. 1,949,857; Mar. 6.
 Fire extinguisher. P. Evans and M. P. Stoney. 1,969,880; Aug. 14.
 Fire extinguisher. H. B. Graham and S. F. Warren. 1,980,051; Nov. 6.
 Fire extinguisher. R. C. Iddings, J. E. Bowman, and J. W. Wright. 1,972,738; Sept. 4.
 Fire extinguisher. R. C. Iddings and C. R. D'Olive. 1,976,074; Oct. 9.
 Fire extinguisher. J. Lincoln. 1,960,384; May 29.
 Fire extinguisher. J. M. Melick. 1,956,744; May 1.
 Fire extinguisher. J. S. Nelson. 1,961,567; June 5.

- Fire extinguisher. J. S. Nelson and P. A. Stover. 1,970,863; Aug. 21.
- Fire extinguisher. J. B. Quinn. 1,943,186; Jan. 9.
- Fire extinguisher. L. G. Suggs. 1,942,906; Jan. 9.
- Fire extinguisher. C. A. Thomas and C. A. Hochwalt. 1,973,734; Sept. 18.
- Fire extinguisher. C. H. Wheeler. 1,976,467; Oct. 9.
- Fire extinguisher. J. W. Wright. 1,976,056; Oct. 9.
- Fire extinguisher and alarm. Combined automatic. E. F. Pohl. 1,962,695; June 12.
- Fire extinguisher and other pump-like device. B. V. Heitmuller and J. F. Loeffler. 1,971,450; Aug. 28.
- Fire extinguisher, Automatic. J. A. Taylor. 1,976,586; Oct. 9.
- Fire extinguisher bracket. C. O. G. Wittig. Des. 91,641; Feb. 27.
- Fire extinguisher device. A. Mietzner. 1,950,562; Mar. 13.
- Fire extinguisher, Dry chemical. E. H. Warr and B. H. Statter. 1,945,457; Jan. 30.
- Fire extinguisher for aeroplanes. S. Pallotta. 1,955,086; Apr. 17.
- Fire extinguisher for films. H. J. Blum. 1,972,437; Sept. 4.
- Fire extinguisher, Portable. J. A. Goodall. 1,968,825; Aug. 7.
- Fire extinguisher, Portable hand. C. K. Huthsing. Des. 93,826-7; Nov. 13.
- Fire extinguisher, Small liquid. D. Mapes. 1,961,371; June 5.
- Fire extinguishing. F. H. Steinicke. 1,959,553; May 22.
- Fire extinguishing and brake control mechanism for railway cars. W. B. Whitsitt. 1,962,977; June 12.
- Fire extinguishing apparatus. D. Mapes. 1,965,845; July 10.
- Fire extinguishing apparatus. D. Mapes. 1,967,894; July 24.
- Fire extinguishing apparatus. D. Mapes. 1,968,086; July 31.
- Fire extinguishing apparatus. E. Tyden. 1,947,890; Feb. 20.
- Fire extinguishing apparatus. E. Tyden. 1,958,283-6; May 8.
- Fire extinguishing apparatus, Automatic. E. A. Lowe. 1,945,284; Jan. 30.
- Fire extinguishing foam. Method of and apparatus for producing. G. G. Urquhart. 1,954,154; Apr. 10.
- Fire extinguishing installation. E. Tyden. 1,958,289; May 8.
- Fire extinguishing materials and for producing fire extinguishing foam. Apparatus for handling. F. L. Boyd. 1,973,501; Sept. 11.
- Fire extinguishing medium distribution system. W. H. Freygang. 1,948,753; Feb. 27.
- Fire extinguishing system. A. C. Rowley. 1,950,270; Mar. 6.
- Fire extinguishing system. A. C. Rowley. 1,955,686; Apr. 17.
- Fire-extinguishing system. Automatic. E. A. Lowe and J. R. Hamilton. 1,942,822; Jan. 9.
- Fire fighting apparatus. Forest. J. Armstrong. 1,953,331; Apr. 3.
- Fire fighting tool. C. H. Rich. 1,942,901; Jan. 9.
- Fire grooving machine. H. F. Scruby. 1,971,582; Aug. 28.
- Fire kindler. B. O. Heron. 1,959,473; May 22.
- Fireplace and transparent door. Combined. L. Sulzer. Des. 91,741; Mar. 13.
- Fireplace construction. H. Nolan. 1,956,246; Apr. 24.
- Fireplace, Fluid fuel burning. L. Sulzer. Des. 92,502; June 12.
- Fireplace form and damper construction. Combined. E. H. Richardson. 1,983,003; Dec. 4.
- Fire prevention device for storage tanks. V. C. Pelleriti. 1,974,034; Sept. 18.
- Fire protecting device for cinematographs, Automatically acting. A. Grothe. 1,953,600; Apr. 3.
- Fire protection apparatus. W. Richter and P. Fray. 1,985,798; Dec. 25.
- Fire protective installation. E. Tyden. 1,958,288; May 8.
- Fire-protective system. B. Richards. 1,945,620; Feb. 6.
- Fire screen. E. G. Huff. 1,968,890; Aug. 7.
- Fire screen unit for volatile liquid storage receptacle. J. J. Tokheim. 1,983,417; Dec. 4.
- Fire shutter for motion picture projector. A. Dina. 1,949,455; Mar. 6.
- Fire wall. M. Liptak. 1,952,175; Mar. 27.
- Fires. Apparatus for detecting forest. G. A. Barker. 1,959,702; May 22.
- Fires. Apparatus for extinguishing tank. F. H. Steinicke and H. J. Keller. 1,956,083; Apr. 24.
- Fires. Apparatus to prevent petroleum. G. Centeno. 1,960,261; May 29.
- Firing device. J. Kleczewski. 1,959,479; May 22.
- Firing mechanism for machine guns. F. T. Moore. 1,966,592; July 17.
- Firing port. P. B. Tonnar. 1,980,891; Nov. 13.
- Firing system. J. F. Straitz. 1,953,275; Apr. 3.
- Fish and crab trap. T. Stanislaw. 1,958,724; May 15.
- Fish and other foodstuffs, Freezing. H. R. Beard. 1,969,832; Aug. 14.
- Fish bait and the product thereof, Making a. C. H. Shoff. 1,953,692; Apr. 3.
- Fish bait, Artificial. E. B. J. Peterson. 1,957,799; May 8.
- Fish bait body. C. Heddon. Des. 92,349; May 29.
- Fish bait body. L. J. Wooster. Des. 93,369-70; Sept. 18.
- Fish bait or plug. H. J. Hick. 1,967,089; July 17.
- Fish cooking apparatus. D. D. Peebles, P. D. V. Manning, and A. H. Potbury. 1,942,830; Jan. 9.
- Fish cutting and cleaning machine. M. O. Palmer. 1,975,018; Sept. 25.
- Fish feeding and positioning mechanism. W. B. Drevitson. 1,967,229; July 24.
- Fish feeding device. H. G. Pape. 1,976,962; Oct. 16.
- Fish final-positioning means. W. H. Hunt. 1,981,552; Nov. 20.
- Fish-holding device. J. B. Nelson and H. J. Stanfield. 1,962,570; June 12.
- Fishhook. M. Mitchell. 1,961,378; June 5.
- Fishhook holder. P. P. Patricoski. 1,957,352; May 1.
- Fish in trawlers or marine carriers, Preservation of. W. G. Brettell. 1,947,327; Feb. 13.
- Fish lure. D. J. Fogelson. 1,959,911; May 22.
- Fish lure. W. B. Gray. 1,960,488; May 29.
- Fish lure. W. Lissy. 1,948,823; Feb. 27.
- Fish lure. O. H. and A. H. Peters. 1,963,380; June 19.
- Fish lure. M. E. Walsh. 1,972,697; Sept. 4.
- Fish lure, Artificial. V. H. Byus. 1,981,029; Nov. 20.
- Fish lure, Artificial. J. F. White. 1,961,539; June 5.
- Fish lure, Weed resisting. A. Danielczuk. 1,948,983; Feb. 27.
- Fish. Method of and apparatus for electrically diverting. H. T. Burkey. 1,974,444; Sept. 25.
- Fishmouth spreader. P. Kirsch. 1,952,990; Mar. 27.
- Fish-positioning machine. W. B. Drevitson. 1,967,228; July 24.
- Fish. Preserving. H. Ohno. 1,965,966; July 10.
- Fish scaling device. O. V. Strand. 1,982,083-4; Nov. 27.
- Fish striker. Automatic. G. R. Sibley. 1,957,853; May 8.
- Fish stringer. C. T. Pfueger. 1,975,754; Oct. 2.
- Fish stringer. J. R. Plasters. 1,975,864; Oct. 9.
- Fish trap. B. E. Oldham. 1,956,225; Apr. 24.
- Fishing apparatus. M. Bachus. 1,975,385; Oct. 2.
- Fishing apparatus. H. C. Krohn. 1,984,272; Dec. 11.
- Fishing device. J. C. Clairon. 1,962,332; June 12.
- Fishing fly. W. A. Brush. 1,973,139; Sept. 11.
- Fishing fly. S. M. Wright and A. D. McGill. Re19,160; May 8.
- Fishing fly and process of making. F. B. Pott. 1,949,582; Mar. 6.
- Fishing fly hook. H. H. Harsted. 1,954,127; Apr. 10.
- Fishing hook. J. R. Glau. 1,974,358; Sept. 18.
- Fishing in the drilling of oil wells. Process and apparatus for. E. P. Halliburton. 1,964,913; July 8.
- Fishing line float. J. W. Taylor. 1,980,302; Nov. 13.
- Fishing line holder and drier. W. E. Field. 1,971,000; Aug. 21.
- Fishing line to a bob, Attaching a. R. V. Zimmer. 1,942,738; Jan. 9.
- Fishing lure. G. F. Boehm. 1,976,695; Oct. 9.
- Fishing lure. L. A. Chapleau and C. M. Rodgers. 1,955,408; Apr. 17.
- Fishing lure. J. D. Freese. 1,982,609; Nov. 27.
- Fishing method and apparatus. R. S. Tice and M. H. Littlefield. 1,980,452; Nov. 13.
- Fishing pole. E. M. Holm. 1,984,644; Dec. 18.
- Fishing reel. F. M. Case. 1,948,333; Feb. 20.
- Fishing reel. E. D. Clickner. 1,964,174; July 3.
- Fishing reel. F. Crawford. 1,941,739; Jan. 2.
- Fishing reel. O. Henze. 1,952,756; Mar. 27.
- Fishing reel. R. W. Johnson. 1,960,491; May 29.
- Fishing reel. A. Kovalovsky. 1,958,919; May 15.
- Fishing reel. O. E. Long and R. C. Swigerd. 1,980,345; Nov. 13.
- Fishing reel. H. J. Mathieu. 1,971,724; Aug. 28.
- Fishing reel. H. F. Maynes. 1,943,981; Jan. 16.
- Fishing reel. H. F. Maynes. 1,973,686; Sept. 11.
- Fishing reel. R. W. Miller. 1,967,678; July 24.
- Fishing reel. J. S. Norton. 1,955,973; Apr. 24.
- Fishing reel. E. B. Perrine. 1,964,998; July 3.
- Fishing reel. F. W. Russell. 1,948,886; Feb. 27.
- Fishing reel. S. G. Russell. 1,960,285; May 29.
- Fishing reel. S. G. Russell and E. D. Clickner. 1,960,286; May 29.
- Fishing reel. G. S. Scott. 1,981,429; Nov. 20.
- Fishing reel. W. F. Watson. 1,971,470; Aug. 28.
- Fishing reel bushing appliance. S. G. Russell and E. D. Clickner. 1,981,925; Nov. 27.
- Fishing reel construction. C. T. Pfueger. 1,977,142; Oct. 16.
- Fishing reel drive. W. Stubblefield. 1,953,693; Apr. 3.
- Fishing reel mount. A. F. Turano. 1,970,348; Aug. 14.
- Fishing rod. M. S. Dunkelberger. 1,965,796; July 10.
- Fishing rod. C. M. Fairley. 1,944,503; Jan. 23.
- Fishing rod. C. Heddon. 1,961,968; June 5.
- Fishing rod. J. Heddon. 1,962,869; June 12.
- Fishing rod. W. B. Pirnie. 1,961,642; June 5.
- Fishing rod attachment. E. L. Bowman. 1,964,425; June 26.
- Fishing rod holder. W. H. H. Puckett. 1,967,427; July 24.
- Fishing rod, Metallic. C. Heddon. 1,961,969-70; June 5.
- Fishing rod tip and the like. P. V. Reynolds. 1,959,989; May 22.
- Fishing rod tip end. L. and S. Gurrieri. 1,984,349; Dec. 11.
- Fishing rod, Walking stick. C. Grandjean. 1,972,518; Sept. 4.
- Fishing tackle. M. J. Coyne. 1,982,573; Nov. 27.

- Fishing tackle. P. Swanson and R. Baxtrum. 1,974,381; Sept. 18.
- Fishing tackle accessory unit. F. Madrak. 1,945,446; Jan. 30.
- Fishing tackle case. M. Silverspitz. 1,980,104; Nov. 6.
- Missure detector for rails. H. C. Drake. 1,983,442; Dec. 4.
- Fitting. L. A. Cornelius. 1,947,581; Feb. 20.
- Fitting. A. J. Weatherhead, jr. 1,977,564; Oct. 16.
- Fitting, Flow control. J. Bijur. 1,955,733; Apr. 24.
- Fitting for conduit outlet boxes, Electric. R. H. Olley. 1,978,882; Oct. 30.
- Fitting for containers. T. W. Rieke. Re19,351; Oct. 23.
- Fitting for electric conduits. C. G. Bondeson. 1,974,910; Sept. 25.
- Fitting for handles. H. Sipöcz. 1,945,299; Jan. 30.
- Fitting for strain insulators. W. A. Hillebrand and A. M. Morris. 1,983,369; Dec. 4.
- Fitting for underfloor conduit system, Flush receptacle. L. A. Sharp. 1,965,087; July 3.
- Fitting, Forming a. E. S. Cornell, jr. 1,948,564; Feb. 27.
- Fitting making apparatus. C. H. Smith. 1,963,507; June 19.
- Fitting, Waste and overflow. A. N. Pasman. 1,941,714; Jan. 2.
- Fittings, Extracting. C. B. Thompson. 1,951,537; Mar. 20.
- Fittings for oil cracking stills, Return bend. E. B. Windisch. 1,963,515; June 19.
- Fittings for tubes and the like. H. J. Kerr and J. E. Trainer. 1,960,246; May 29.
- Fittings in flexible doll heads, Apparatus for and method of mounting. S. Marcus. 1,943,736; Jan. 16.
- Fittings, Making metal. R. H. Banks. 1,982,850; Dec. 4.
- Fittings, Manufacturing. D. E. Lindquist. 1,964,474; June 26.
- 5-nitro-2-amino-anisole, Manufacture of. J. M. Tinker and L. Speigler. 1,963,598; June 19.
- Fixture. A. C. De Napoli, jr., and J. O. Kleber. 1,981,690; Nov. 20.
- Fixture. E. S. Denk. 1,966,167; July 10.
- Fixture. W. D. Schmidt. 1,958,021; May 8.
- Fixture adapter. J. Stone. 1,976,199; Oct. 9.
- Fixture and support therefor. E. V. Haffling. 1,951,656; Mar. 20.
- Fixture attachment. J. A. Hoegger. 1,962,739; June 12.
- Fixture, Combination. F. T. Meyer. 1,948,971; Feb. 27.
- Fixture for electric lamps, Swivel harp. K. Berger. 1,974,947; Sept. 25.
- Fixture, Lighting. E. F. Guth. 1,962,067-9; June 5.
- Fixture, Socket. H. C. Dodge and G. H. Nobbs. 1,966,379; July 10.
- Fixture support. G. Arras and D. E. Worrell. 1,975,068; Oct. 2.
- Flags and the like on airplanes, Device for displaying. E. Pieper. 1,973,389; Sept. 11.
- Flame and process of making the same, Coloring. C. H. Ohlweiler. 1,977,890; Oct. 23.
- Flame arrester for gasoline tanks. D. Wortmann. 1,974,091; Sept. 18.
- Flame combustion, Method of and apparatus for producing stable luminous. L. Wilson. 1,950,044; Mar. 6.
- Flame extinguisher. F. J. Kurth. 1,978,678; Oct. 30.
- Flame extinguisher for stuffing-boxes. H. T. Wheeler. 1,944,385; Jan. 23.
- Flame in furnaces, Producing luminous. L. A. Mekler. 1,984,687; Dec. 18.
- Flame-proofing composition of matter and making the same. F. W. Hochstetter. 1,961,045; May 29.
- Flame protector, Cooking range. A. Weber. 1,976,870; Oct. 16.
- Flame stabilizer for cutting blowpipes, Preheating. F. C. Geibig. 1,971,001; Aug. 21.
- Flame stabilizer for cutting blowpipes, Preheating. R. J. Kehl. 1,971,008; Aug. 21.
- Flange and rail lubricator. I. L. Dudley. 1,977,755; Oct. 23.
- Flange connection. H. Dahlstrand. 1,957,699-700; May 8.
- Flange construction. W. F. Kispert. 1,941,841; Jan. 2.
- Flange forming machine. A. Kipnis. 1,978,430; Oct. 30.
- Flange greaser. W. V. Mallory. 1,972,785; Sept. 4.
- Flange lubricator. J. Sims. 1,979,056; Oct. 30.
- Flange, Wall-wash. J. van der Werf. 1,957,742; May 8.
- Flanged articles of paper or like material, Manufacture of. E. Z. Taylor. 1,966,469; July 17.
- Flanged bodies, Manufacturing. L. I. Yeomans. 1,968,792; July 31.
- Flanged joint. H. L. Guy. 1,969,556; Aug. 7.
- Flap trimmer. N. W. Mathey. 1,963,331; June 19.
- Flare. S. Wiley. 1,964,016; June 26.
- Flare, Highway. C. M. Bolser. 1,961,629; June 5.
- Flare signal. L. L. Driggs, jr. 1,947,834; Feb. 20.
- Flaring tool. W. E. Holsclaw. 1,955,913; Apr. 24.
- Flash arrester, Hydraulic. W. F. Mesinger. 1,955,679; Apr. 17.
- Flash composition. J. Piccard. 1,964,077; June 26.
- Flash light. O. C. Britsch. 1,948,613; Feb. 27.
- Flashlight. M. E. Buchholz. 1,946,059; Feb. 6.
- Flash light. G. C. Fullmer. 1,943,760; Jan. 16.
- Flashlight. H. G. Graubner and A. G. Saurwein. 1,960,739; May 29.
- Flashlight. W. J. Officer and B. A. Seaver. 1,969,320; Aug. 7.
- Flash light. G. B. Pratt. 1,950,190; Mar. 6.
- Flash light. G. B. Pratt. 1,985,459; Dec. 25.
- Flash light attachment for batteries. H. T. Kingsbury. 1,971,266; Aug. 21.
- Flash light attachment for cameras. H. H. Tracy. 1,973,937; Sept. 18.
- Flash light device. T. W. Frech, J. T. Fagan, J. F. Donovan, and E. B. Isaacs. 1,981,544; Nov. 20.
- Flashlight, Electric. J. Muros. 1,955,511; Apr. 17.
- Flash light equipment. M. Schwartz. 1,959,931; May 22.
- Flashlight, Folding duplex. J. J. Walsh. 1,974,294; Sept. 18.
- Flash light lamp. J. A. M. van Liempt. 1,944,854; Jan. 23.
- Flashlight mechanism. J. L. Le Gorre. 1,953,019; Mar. 27.
- Flash light operating device. E. L. Johnson and H. W. Comfort. 1,979,942; Nov. 6.
- Flash light, Portable. A. C. Recker. Des. 94,163; Dec. 25.
- Flash light timing device for cameras. P. D. Patterson. 1,959,596; May 22.
- Flashlight, Vestpocket. G. H. Barber and G. B. Pratt. 1,969,196; Aug. 7.
- Flashlights, Suspension loop for. A. J. Desimone. 1,984,401; Dec. 18.
- Flash remover. H. C. Rippel. 1,969,579; Aug. 7.
- Flash remover, External. A. F. Hanson. 1,973,344; Sept. 11.
- Flash removing tool. G. L. Kelley and A. F. Hanson. 1,958,147; May 8.
- Flasher. J. Schmidinger. 1,979,349; Nov. 6.
- Flasher switch. L. J. Mickle. 1,959,634; May 22.
- Flasher switch. F. W. Rom. 1,949,489; Mar. 6.
- Flashing. C. A. Earley. 1,970,692; Aug. 21.
- Flashing. A. B. Friedberg. 1,976,166; Oct. 9.
- Flashing, Interlocking. J. Sobel. 1,975,874; Oct. 9.
- Flashing, Interlocking metal. D. Levow and A. Ratner. 1,947,131; Feb. 13.
- Flashing negative glow display device. A. F. Henninger. 1,960,245; May 29.
- Flashing reglet. L. S. Wilson. 1,954,274; Apr. 10.
- Flashing, Reglet and counter. A. Herman. 1,958,622; May 15.
- Flashing sign. W. G. Wagenhals. 1,949,519; Mar. 6.
- Flask. D. E. Briner. Des. 92,518; June 19.
- Flask and manufacturing the same, Foundry. I. R. Smith. 1,974,292; Sept. 18.
- Flask bar and gagger combined, Adjustable. E. F. Oyster. 1,948,867; Feb. 27.
- Flask, Dental. E. Handler. Des. 93,475; Oct. 2.
- Flask, Dental. W. F. Rodin. 1,962,410; June 12.
- Flask, Molding. G. A. Wiechert. 1,949,227; Feb. 27.
- Flask or similar article, Glass. U. Bertocchini. Des. 93,326; Sept. 18.
- Flask ring. J. V. Turner. 1,970,261; Aug. 14.
- Flask, Snap. E. P. Rothacker. 1,956,177; Apr. 24.
- Flasks, Manufacture of double walled. M. Batschuk and W. Hodecker. 1,960,045; May 22.
- Flat and filler, Combination. E. L. Shepard. 1,970,436; Aug. 14.
- Flat hosiery frame. W. Heinitz. 1,978,308; Oct. 23.
- Flat hosiery frame. T. Richter. 1,973,781; Sept. 18.
- Flatiron. C. C. Maurer. 1,979,631; Nov. 6.
- Flatiron. A. D. Olds. 1,971,759; Aug. 28.
- Flatiron. F. Schaefer. 1,962,940; June 12.
- Flatiron and attachment therefor, Electric. S. Kuno. 1,954,594; Apr. 10.
- Flatiron or like article. R. I. Huffman. Des. 93,106; Aug. 21.
- Flat-opening case. C. J. Schell. 1,985,521; Dec. 25.
- Flatware, Making. H. R. Lott. 1,962,279; June 12.
- Flavoring composition, Solid. C. L. Griffith. 1,971,910; Aug. 28.
- Flaw detector. H. C. Drake. 1,944,930; Jan. 30.
- Flaw detector for boiler welds. H. C. Drake. 1,978,252; Oct. 23.
- Flaw detector for electrical conductors. E. A. Sperry. 1,944,954; Jan. 30.
- Flaw detector for tubular conductors. F. D. Braddon. 1,985,277; Dec. 25.
- Flaw detector for tubular conductors. F. D. Braddon and F. H. Shepard, jr. 1,946,189; Feb. 6.
- Flaw detector mechanism. H. C. Drake. 1,973,528; Sept. 11.
- Flaw detector mechanism. H. C. Drake. 1,980,669; Nov. 13.
- Flaw detector mechanism for electrical detectors. H. C. Drake. 1,967,812; July 24.
- Flaw detector unit. H. C. Drake. 1,960,968; May 29.
- Flaws, Detecting. H. C. Drake and L. J. De Lanty. 1,946,196; Feb. 6.
- Flexible bearing. J. F. Duffy. 1,963,940; June 19.
- Flexible connector. J. C. Hoover. 1,974,391; Sept. 18.
- Flexible coupling. L. Axien. 1,952,232; Mar. 27.
- Flexible coupling. O. H. Gallamore. 1,943,791; Jan. 16.
- Flexible coupling. J. R. Grundy. 1,948,708; Feb. 27.
- Flexible coupling. C. A. Helsterkamp. 1,950,448; Mar. 13.
- Flexible coupling. H. Klauke. 1,965,145; July 3.
- Flexible coupling. E. C. Kradoska. 1,972,779; Sept. 4.
- Flexible coupling. G. J. Neher. 1,983,094; Dec. 4.
- Flexible coupling. F. W. Peters. 1,948,868; Feb. 27.
- Flexible coupling. U. Quintavalle. 1,943,942; Jan. 16.
- Flexible coupling. R. A. Smith. 1,942,782; Jan. 9.
- Flexible elastic coupling. E. Benedek. 1,953,211; Apr. 3.
- Flexible insulated pipe. P. B. Andrews. 1,942,468; Jan. 9.

- Flexible metallic coupling. C. W. McQuirk. Re19,132; Apr. 3.
- Flexible pocket receptacle. W. R. Buxton. 1,969,835; Aug. 14.
- Flexible sealing coupling. H. E. Fritz. 1,948,211; Feb. 20.
- Flexible shaft coupling. M. W. Morgan. 1,961,426; June 5.
- Flexible shaft coupling. E. W. Swartwout. 1,957,300; May 1.
- Flexible ventilator. J. P. Quinlan and H. Weide. 1,972,274; Sept. 4.
- Flexure testing device and method. S. Krall. 1,954,483; Apr. 10.
- Flier block construction. M. J. McHale. 1,962,693; June 12.
- Flier construction. M. J. McHale. 1,961,672; June 5.
- Flier construction. M. J. McHale. 1,966,304; July 10.
- Flier construction. M. J. McHale. 1,973,261; Sept. 11.
- Flier construction. M. J. McHale. 1,977,004; Oct. 16.
- Flies and other insects, Device for killing. J. L. Martin. 1,942,252; Jan. 2.
- Flight indicator. P. R. Bassett and E. A. Sperry, jr. 1,982,851; Dec. 4.
- Flight recorder for aircraft. T. R. Rhodes. 1,982,882; Dec. 4.
- Flight trainer. W. E. Huffman. 1,944,180; Jan. 23.
- Fly. I. I. Levine. 1,982,996; Dec. 4.
- Fly ash structural material. H. C. Peffer and P. W. Jones. 1,942,769-70; Jan. 9.
- Fly book. W. L. Kneittles. 1,979,475; Nov. 6.
- Fly box. H. W. Phillips. 1,963,502; June 19.
- Fly casting basket reel. E. J. Sellers. 1,947,141; Feb. 13.
- Fly catcher. T. H. Drummond. 1,972,762; Sept. 4.
- Fly for stackers, Pneumatic. W. A. van Berkel. 1,976,866; Oct. 16.
- Fly or insect trap, Mechanical. F. W. Reynolds. 1,961,303; June 5.
- Fly paper package. G. T. Tongue. 1,983,251; Dec. 4.
- Fly screen. A. F. Nye and H. B. Lawson. 1,961,383; June 5.
- Fly swatter. J. L. Bennett. Des. 92,877; July 31.
- Fly swatter. J. L. Bennett and S. A. Platt. Des. 93,533; Oct. 9.
- Flywheel, Rubber mounted. W. R. Griswold. 1,982,658; Dec. 4.
- Fly-wheel starting motor. R. A. Webster and B. K. Smith. 1,946,513; Feb. 13.
- Flyer. W. T. Munson. 1,985,666; Dec. 25.
- Flying cutter. F. C. Biggert, jr., and J. A. Smitmans. 1,959,852; May 22.
- Flying cutter. A. B. Haswell. 1,944,710; Jan. 23.
- Flying equipment. R. J. Miller. 1,981,461; Nov. 20.
- Flying machine. F. J. Baume. 1,977,843; Oct. 23.
- Flying machine. D. K. Jette. 1,955,501; Apr. 17.
- Flying machine. W. C. Pitter. 1,963,528; June 19.
- Flying machine. R. S. Powell. 1,963,676; June 19.
- Flying machine, Vertical lift. C. W. Waller. 1,984,292; Dec. 11.
- Flying shear. J. A. Smitmans. 1,969,433; Aug. 7.
- Flying wing. R. J. Hoffman. 1,981,701; Nov. 20.
- Float. C. C. Manchester. 1,977,685; Oct. 23.
- Floater. G. Raymond. 1,950,191; Mar. 6.
- Floater actuated valve, Automatic. L. E. Rush and R. W. Dudley. 1,956,656; May 1.
- Floater, Automatically illuminating. H. V. White. 1,972,724; Sept. 4.
- Floater controlled valve. F. N. Pearce. 1,980,430; Nov. 13.
- Floater-controlled valve. F. H. Warner. 1,943,569; Jan. 16.
- Floater, Fishing. E. B. Thomas. 1,973,028; Sept. 11.
- Floater for fishing tackle. G. W. Snell. 1,950,933; Mar. 13.
- Floater for glass tank feeding shelves, Heat retaining. F. G. Schwalbe. 1,983,816; Dec. 11.
- Floater, Net. T. J. Johnson. 1,974,278; Sept. 18.
- Floater operated switch. J. B. Fryar. 1,943,011; Jan. 9.
- Floater valve. C. M. Brenner. 1,970,074; Aug. 14.
- Floater valve. E. L. Johnston. 1,960,014; May 22.
- Floater valve. J. W. Matthews. 1,982,062; Nov. 27.
- Floater valve. F. L. Tarleton. 1,982,705; Dec. 4.
- Floater valve. H. W. Todd. 1,959,043; May 15.
- Floater valve, Quick action. J. G. Ambroz and L. L. Fish. 1,983,061; Dec. 4.
- Floating bearing. J. Raible. 1,964,140; June 26.
- Floating bearing. R. B. Zuber. 1,978,876; Oct. 30.
- Floating stuffing box. B. G. Goble. 1,947,198; Feb. 13.
- Flock-applying machine. I. Kruger. 1,955,552; Apr. 17.
- Floodlight. J. J. Gibney. 1,960,534; May 29.
- Floodlight. C. F. Haas. Des. 94,138; Dec. 25.
- Floodlight. C. H. Oppenheimer. 1,962,907; June 12.
- Flood light. J. H. Wise. Des. 91,915; Apr. 3.
- Floodlight. J. H. Wise. 1,970,829; Aug. 21.
- Flood packer. P. H. Mack. 1,946,353; Feb. 6.
- Flood valve. H. G. Carlson, A. M. Arnott, and G. I. Rockwood. 1,961,581; June 5.
- Floor. R. W. Storm. 1,946,646; Feb. 13.
- Floor and ceiling. E. Hoyer. 1,970,309; Aug. 14.
- Floor and ceiling construction. C. R. Birdsey and H. W. Reel. 1,947,401; Feb. 13.
- Floor and roof construction. J. A. Ferguson. 1,968,034; Oct. 30.
- Floor and roof construction. J. C. Orrell. 1,978,585; July 31.
- Floor and roof structures, Building. N. Garrett. 1,963,983; June 26.
- Floor and wall junction box, Combination. F. J. Reske and E. J. Truman. 1,958,927; May 15.
- Floor beam construction, Metal. J. Kahn. 1,967,620; July 24.
- Floor-block or stone. L. M. Serra. 1,961,677; June 5.
- Floor cleaner, Electrically lighted. H. J. Goosman. Re19,290; Aug. 28.
- Floor cleaning device. A. E. Moorhead. 1,947,136; Feb. 13.
- Floor-cleaning machine for use on transportable electric vacuum apparatus, Motorless. A. Buck. 1,954,066; Apr. 10.
- Floor construction. K. P. Billner. 1,973,743; Sept. 18.
- Floor construction. J. Kahn. 1,947,418; Feb. 13.
- Floor construction. E. Mahler and E. Rossbach. 1,944,292; Jan. 23.
- Floor construction. J. G. Shryock. 1,983,410; Dec. 4.
- Floor construction. H. F. Young. 1,959,119; May 15.
- Floor construction element. C. W. Akers. Re19,124; Mar. 27.
- Floor construction, Fireproof. E. Flordelisi. 1,974,708; Sept. 25.
- Floor construction, Garage. M. M. Gleichman. 1,969,002; Aug. 7.
- Floor construction, Metal. R. T. Bell. 1,941,967; Jan. 2.
- Floor covering. R. R. Jones. 1,974,279-80; Sept. 18.
- Floor covering. C. O. Karpf. Des. 91,431-2; Jan. 30.
- Floor covering. C. O. Karpf. Des. 91,463; Feb. 6.
- Floor covering and manufacture thereof. W. Rowe. 1,957,732; May 8.
- Floor covering and method. J. E. Graham and E. M. Lines. 1,971,036; Aug. 21.
- Floor covering and method. E. M. Lines. 1,956,197; Apr. 24.
- Floor covering, Laminated. G. H. Alvey. 1,954,858; Apr. 17.
- Floor covering or like material. A. C. Hetherington and S. A. Sim. 1,970,090; Aug. 14.
- Floor covering seam protector. E. F. Rowley. 1,966,020; July 10.
- Floor coverings and materials therefor, Manufacturing hard surface. J. T. Baldwin. 1,971,635; Aug. 28.
- Floor coverings moth repellent, Making. L. P. Saponoff. 1,980,598; Nov. 13.
- Floor dispensing device. H. V. Marsh. 1,950,805; Mar. 13.
- Floor display stand. D. M. Carmichael. 1,948,902; Feb. 27.
- Floor expansion joint. C. L. Snyder and W. G. Webb. 1,977,496; Oct. 16.
- Floor for china clay, Drying. R. J. Varcoe. 1,972,670; Sept. 4.
- Floor lamp. P. Terenzi. Des. 91,473; Feb. 6.
- Floor lamp. G. A. Wheeler. Des. 92,788; July 10.
- Floor machine. W. S. Finnell. 1,979,797; Nov. 6.
- Floor plate. G. G. Greulich. Des. 92,073-4; Apr. 24.
- Floor plate. E. E. Moore. Des. 93,991-2; Dec. 4.
- Floor polishing device. J. Glover. 1,983,363; Dec. 4.
- Floor polishing machine. E. A. Fowler. 1,964,318; June 26.
- Floor polishing machine. O. Holm-Hansen and N. H. Watts. Des. 93,619; Oct. 16.
- Floor polishing machine. E. S. Stinsman. 1,973,915; Sept. 18.
- Floor roughing machine. F. P. Sloan. 1,964,746; July 3.
- Floor sander. H. J. Mavis and L. E. Hagstrom. 1,957,790; May 8.
- Floor scrubbing and mopping machine. L. Heitman. 1,954,314; Apr. 10.
- Floor securing device. J. A. MacLean. 1,978,642; Oct. 30.
- Floor structure, Armored. J. M. Keown. 1,982,110; Nov. 27.
- Floor surfacer and polisher. M. H. Lang. 1,969,805; Aug. 14.
- Floor surfacing machine. J. Alder. 1,969,290; Aug. 7.
- Floor surfacing machine. P. Vinella. 1,958,077; May 8.
- Floor surfacing structure. A. W. Hawkes and R. D. Bonney. 1,970,503; Aug. 14.
- Floor treating appliance. D. F. Larkin. 1,961,518; June 5.
- Floor treating machine, Rotary. E. B. Gruendel. 1,948,815; Feb. 27.
- Floor treatment device. F. Riebel, jr. 1,969,036; Aug. 7.
- Flooring. S. D. Butterworth. 1,951,965; Mar. 20.
- Flooring. K. E. Crooks. 1,952,536; Mar. 27.
- Flooring. H. M. Newton. 1,982,476; Nov. 27.
- Flooring and the like. A. C. Hayden. 1,970,139; Aug. 14.
- Flooring, Apparatus for making. H. M. Newton. 1,977,080; Oct. 16.
- Flooring, Library. A. S. MacDonald. 1,961,230; June 5.
- Flooring strip, Composition. E. S. Cornell, jr. 1,974,950; Sept. 25.
- Flooring, Wood block. S. D. Butterworth. 1,978,075; Oct. 23.
- Floors, Apparatus for forming concrete. H. W. Roos. 1,947,360; Feb. 13.
- Floors, Laying tile. E. B. Gates. 1,985,159; Dec. 18.
- Floors, walls, etc., Construction of. H. G. Jenkinson. 1,970,457; Aug. 14.
- Floral device or garland. C. J. Foser. 1,970,370; Aug. 14.
- Floral piece and unit for use therewith. H. L. Cohen. 1,960,476; May 29.
- Floral rack. C. L. Brown. 1,942,950; Jan. 9.
- Flotation. I. H. Derby and O. D. Cunningham. Re19,192; June 5.

- Flotation apparatus. A. C. Daman. 1,985,153; Dec. 18.
 Flotation machine. A. C. Daman. 1,942,803; Jan. 9.
 Flotation machine. H. L. Veatch. 1,958,325; May 8.
 Flotation method. F. A. Brinker. 1,973,558; Sept. 11.
 Flotation process. W. Schäfer and W. Mertens. 1,944,529; Jan. 23.
 Flotation process and reagent. L. J. Christmann. 1,960,526; May 29.
 Flotation process for nonsulphide ore. J. M. Patek. 1,953,431; Apr. 3.
 Flotation reagent. F. E. Downs. 1,961,899; June 5.
 Flour and making same. Bean. D. Véron. 1,956,913; May 1.
 Flour and other powdered materials. Device for sifting. T. J. Stahl. 1,953,369; Apr. 3.
 Flour, Apparatus for making. E. M. Kinslow. 1,974,113; Sept. 18.
 Flour, Bleaching. L. W. Haas. 1,957,337; May 1.
 Flour milling process. Wheat. C. S. Johnson. 1,980,622; Nov. 13.
 Flour mix and making same. Dehydrated. J. D. Duff and L. E. Dietrich. 1,959,466; May 22.
 Flour, Prepared cake. J. Finkel. 1,944,881; Jan. 30.
 Flour, Producing. C. F. Dietz. 1,974,808; Sept. 25.
 Flour, Producing. J. Finkel. 1,944,880; Jan. 30.
 Flour product and making the same. Baked. A. K. Epstein and B. R. Harris. 1,945,346; Jan. 30.
 Flour saving means for dough brakes. C. P. and W. W. Wagner. 1,963,005; June 12.
 Flour sifter. B. G. Hall. Des. 92,902; July 31.
 Flow bean. T. K. Holtane. 1,953,110; Apr. 3.
 Flow between well casings and inside tubings. Closing off. W. D. Shaffer. 1,963,683; June 19.
 Flow choke. H. W. Fletcher. 1,947,586; Feb. 20.
 Flow control apparatus. H. A. Gollmar. 1,942,094; Jan. 2.
 Flow control apparatus for wells. E. G. Ware. 1,957,119; May 1.
 Flow control fitting. J. Bijur. 1,948,503; Feb. 27.
 Flow control method and apparatus. Dynamic. A. D. MacLean. 1,941,701; Jan. 2.
 Flow control system. P. M. Contant. 1,971,338; Aug. 28.
 Flow controlling means for dishwashers. V. Rendle and W. C. Cross. 1,985,580; Dec. 25.
 Flow controlling mechanism. I. A. Morris. 1,958,545; May 15.
 Flow gauge. K. Connell. 1,965,333; July 3.
 Flow indicator. M. M. Borden. 1,975,710; Oct. 2.
 Flow line. I. A. Morris. 1,956,157; Apr. 24.
 Flow measuring apparatus. W. Melas. 1,972,713; Sept. 4.
 Flow measuring device. E. Wachendorf. 1,967,847; July 24.
 Flow meter. L. Gess. 1,962,769; June 12.
 Flow meter. F. C. Mock and C. H. Havill. 1,980,761; Nov. 13.
 Flow meter. E. Staegemann. 1,977,498; Oct. 16.
 Flow plug valve. Controlled. M. W. Link. 1,972,151; Sept. 4.
 Flow regulator for lowering chutes. F. Pardee, jr. 1,961,595; June 5.
 Flow switch. R. B. Hicks. 1,982,430; Nov. 27.
 Flowing device. Combination. H. E. Brock and F. C. Brazell. 1,950,220; Mar. 6.
 Flowing device. Flow velocity actuated. A. Boynton. 1,957,523; May 8.
 Flower, Artificial. F. Zeimet. 1,970,265; Aug. 14.
 Flower base. P. A. Roth. 1,965,003; July 3.
 Flower box. B. Rogge. 1,959,800; May 22.
 Flower box holder. R. Torgersen. 1,955,476; Apr. 17.
 Flower container stand. E. C. Gurganus. Des. 93,768; Nov. 6.
 Flower cup. Combination. H. B. Newman. 1,967,320; July 24.
 Flower holder. J. W. Ash. 1,962,110; June 12.
 Flower holder. N. T. Bartlett. 1,965,565; July 10.
 Flower holder. S. Cantor. Des. 94,071-2; Dec. 18.
 Flower holder. W. F. Cassidy, jr. 1,963,824; June 19.
 Flower holder. E. A. Field. 1,947,702; Feb. 20.
 Flower holder. E. A. Field. 1,973,868; Sept. 18.
 Flower holder. R. E. Spencer. Des. 92,115; Apr. 24.
 Flower holder. R. E. Spencer. Des. 92,433; June 5.
 Flower holder. R. E. Spencer. Des. 92,934; July 31.
 Flower nutrient. Cut. W. Heuer. 1,978,201; Oct. 23.
 Flowerpot. D. Lockwood. 1,971,075; Aug. 21.
 Flowerpot. J. Pavlečka. 1,953,363; Apr. 3.
 Flowerpot. Collapsible. C. Augustin and T. P. Carroll. 1,951,642; Mar. 20.
 Flowerpot or the like. G. W. Pfaltzgraff. Des. 92,314; May 22.
 Flowerpot, Self-feeding. W. J. Guille. 1,948,031; Feb. 20.
 Flowerpot stand. H. Wiesenthal. Des. 94,061; Dec. 11.
 Flowers in floral sprays. Device for preserving. E. J. Siegler and W. Gear, jr. 1,951,777; Mar. 20.
 Flue cleaner. M. Mathias. 1,979,167; Oct. 30.
 Flue construction. C. M. Dibble. Re19,102; Mar. 6.
 Flue for hot water heaters. Internal. W. G. Cartter. 1,948,064; Feb. 20.
 Flue gas cleaning apparatus. H. Bleibtreu and J. B. Eberlein. 1,961,956; June 5.
 Flue-spark screen. J. A. Johnson. 1,961,695; June 5.
 Flue, Water heater. S. J. Lonergan. 1,947,606; Feb. 20.
 Fluffy material. Making light. W. H. MacIntire. 1,975,213; Oct. 2.
 Fluid actuated brake. W. A. Eaton. Re19,258; July 31.
 Fluid actuated clamp. A. W. Hawes and A. White. 1,961,044; May 29.
 Fluid actuator and pump. A. Wicha. 1,946,343; Feb. 6.
 Fluid analyzing method and apparatus. C. Z. Rosecrans. 1,957,808; May 8.
 Fluid and liquid separation. J. P. Walker. 1,970,783; Aug. 21.
 Fluid, Apparatus for heating. P. F. Shivers. 1,985,215; Dec. 18.
 Fluid-applying machine. S. J. Finn. 1,973,054; Sept. 11.
 Fluid brake. S. A. Gudgeon and J. B. Wemmer. 1,945,606; Feb. 6.
 Fluid change gear. P. F. A. Köchling. 1,960,705; May 29.
 Fluid circulation system. V. L. Ronci, J. E. Clark, and D. A. Hale. 1,984,548; Dec. 18.
 Fluid cleaning apparatus. A. H. Benesh. 1,942,381; Jan. 2.
 Fluid composition. J. Bebie and G. L. Doelling. 1,949,775; Mar. 6.
 Fluid composition. J. Bebie and G. L. Doelling. 1,960,295; May 29.
 Fluid composition. G. L. Doelling. 1,960,298; May 29.
 Fluid compression apparatus. W. Wels. 1,967,167; July 17.
 Fluid compressor. J. E. Behlmer. 1,941,651; Jan. 2.
 Fluid compressor. N. Herzmark. 1,967,935; July 24.
 Fluid compressor. C. M. Tursky. Re19,210; June 12.
 Fluid compressor. C. M. Tursky. 1,954,002; Apr. 10.
 Fluid compressor. C. M. Tursky. 1,981,481; Nov. 20.
 Fluid compressor, Oscillating. F. A. Smith. 1,944,198; Jan. 23.
 Fluid control apparatus. C. Hyland. 1,952,806; Mar. 27.
 Fluid control system. J. L. Roth and W. R. Paulsen. 1,961,790; June 5.
 Fluid control valve. C. R. Buller. 1,985,279; Dec. 25.
 Fluid controlled system. J. R. Hamilton and E. A. Lowe. 1,950,029; Mar. 6.
 Fluid controlling and temperature measuring device. Combined. J. F. Donnelly. 1,978,992; Oct. 30.
 Fluid controlling valve. J. De Mooy. 1,968,284; July 31.
 Fluid cooling apparatus. F. L. Shelor. 1,972,800; Sept. 4.
 Fluid cooling for electron emission tubes. H. E. Hallborg. 1,963,131; June 19.
 Fluid, Device for controlling the action of a. J. Breton. 1,980,469; Nov. 13.
 Fluid discharge device. G. D. Hummel. 1,959,102; May 15.
 Fluid dispenser. S. Hardcastle. 1,949,387; Feb. 27.
 Fluid dispensing. H. T. Goss. 1,953,598; Apr. 3.
 Fluid dispensing apparatus. V. F. Bernesser. 1,970,272; Aug. 14.
 Fluid dispensing apparatus. W. T. Faux. 1,960,102; May 22.
 Fluid-dispensing apparatus. J. C. Woodford. 1,950,833; Mar. 13.
 Fluid dispensing apparatus. J. C. Woodford. 1,980,148; Nov. 6.
 Fluid dispensing apparatus. M. S. Young. 1,984,005; Dec. 11.
 Fluid dispensing machine. H. J. Asoesty. 1,984,298; Dec. 11.
 Fluid distributing means for wire drawing machines. E. J. McIlvried and J. C. Bittman. 1,972,746; Sept. 4.
 Fluid, Dry cleaning. G. L. Parkhurst. 1,948,045; Feb. 20.
 Fluid eliminator, Heavy. J. D. MacLachlan. 1,948,180; Feb. 20.
 Fluid equalizer for compression machines. B. F. Irwin. 1,955,002; Apr. 17.
 Fluid feed proportioning method and apparatus. Automatic. R. M. and J. H. Banks, and W. W. Burritt. 1,946,474; Feb. 13.
 Fluid-flow. Apparatus for measuring. R. C. Thompson. 1,957,681; May 8.
 Fluid flow circuit control. C. E. Bohner. 1,967,017; July 17.
 Fluid-flow control. H. M. Blinn and H. T. Hunter. 1,942,132; Jan. 2.
 Fluid flow controller. W. H. Green. 1,969,366; Aug. 7.
 Fluid flow, Controlling. H. J. Mastenbrook. 1,943,241; Jan. 9.
 Fluid flow indicator. C. E. Bohner. 1,967,018; July 17.
 Fluid flow indicator. L. P. Lyon. 1,955,754; Apr. 24.
 Fluid flow regulation. E. S. Bristol. 1,949,408; Mar. 6.
 Fluid foil. D. R. Davis. 1,942,688; Jan. 9.
 Fluid fuel burner. I. S. Holloway. 1,974,958; Sept. 25.
 Fluid fuel burner. E. J. Latner. 1,957,717; May 8.
 Fluid fuel burner. J. Lithgow. 1,967,036; July 17.
 Fluid fuel burner. P. D. Shoenberger. 1,969,157; Aug. 7.
 Fluid fuel burner. O. E. B. Sundblad and B. A. Grahn. 1,980,449; Nov. 13.
 Fluid generating arrangement. Indirectly heated elastic. C. Osenberg. 1,959,214; May 15.
 Fluid generator and the like. Elastic. A. J. Nerad. 1,965,427; July 3.
 Fluid heater. C. W. Gordon. 1,973,377; Sept. 11.
 Fluid, Heating. L. A. Mekler. 1,954,089; Apr. 10.
 Fluid, Heating. P. F. Shivers. 1,985,216; Dec. 18.
 Fluid-heating apparatus. D. S. Jacobs. 1,942,170; Jan. 2.
 Fluid, Hydraulic. A. G. Weber and R. B. Schnelder. 1,945,543; Feb. 6.
 Fluid, Hydraulic pressure. J. B. Robinson. 1,973,660; Sept. 11.
 Fluid lift, Hydraulic. R. E. Shappell. 1,966,739; July 17.

- Fluid measuring and dispensing apparatus. L. Gross. 1,966,498; July 17.
- Fluid measuring and dispensing means for washing machines. W. B. Hutchings. 1,958,541; May 15.
- Fluid measuring apparatus. O. A. Alving. 1,970,538; Aug. 21.
- Fluid measuring apparatus. C. D. Collins. 1,946,275; Feb. 6.
- Fluid mediums, Apparatus for treating. L. P. Hynes. 1,985,830; Dec. 25.
- Fluid meter. H. L. Blum. 1,974,202; Sept. 18.
- Fluid meter. H. L. Blum. 1,977,424; Oct. 16.
- Fluid meter. H. L. Blum. 1,981,797; Nov. 20.
- Fluid meter. H. L. Blum. 1,985,399-400; Dec. 25.
- Fluid meter. W. S. Brubaker. 1,981,831; Nov. 20.
- Fluid meter. R. E. Connet. 1,958,610; May 15.
- Fluid meter. M. Cornell. 1,959,904; May 22.
- Fluid meter. A. J. Granberg. 1,956,281-2; Apr. 24.
- Fluid meter. A. J. Granberg. 1,965,892; July 10.
- Fluid meter. H. J. Keitel. 1,983,231; Dec. 4.
- Fluid meter. E. A. Kerstein. 1,958,704; May 15.
- Fluid meter. W. Moller. 1,972,054; Aug. 28.
- Fluid meter. P. S. Morgan. 1,952,882; Mar. 27.
- Fluid, Method and apparatus for filtering. M. T. Wells. 1,966,274; July 10.
- Fluid mixer. J. V. Resek. 1,942,270; Jan. 2.
- Fluid mixing device. L. L. Davies, J. V. Resek, and W. W. Carson, jr. 1,942,269; Jan. 2.
- Fluid mixing unit, Thermostatically-controlled. G. E. Ames. 1,980,310; Nov. 13.
- Fluid motor. C. E. Bannister. 1,965,564; July 10.
- Fluid motor. L. L. Belmont. 1,959,152; May 15.
- Fluid motor. C. and L. M. Christian. 1,965,488; July 3.
- Fluid motor. L. P. De Sorcy. 1,964,340; June 26.
- Fluid motor. G. H. Hartman. 1,965,038; July 3.
- Fluid motor. H. Hueber and G. Dykstra. 1,981,840; Nov. 20.
- Fluid motor. J. Penrod. 1,963,472; June 19.
- Fluid motor device. V. M. Everett. 1,953,534; Apr. 3.
- Fluid operated hand tool. J. H. Johanson. 1,981,955; Nov. 27.
- Fluid operated motor. A. Rappl. 1,969,094; Aug. 7.
- Fluid operated pump. G. S. Knox. 1,977,727; Oct. 23.
- Fluid operated switch. H. L. Decker. 1,958,297; May 8.
- Fluid operated switch. H. L. Van Valkenborg and W. H. Spencer. 1,962,221; June 12.
- Fluid operated tool. A. G. Slatcher. 1,970,775; Aug. 21.
- Fluid pressure actuated brake. F. C. and W. M. Folberth. 1,947,841; Feb. 20.
- Fluid pressure actuated device and controlling same. F. G. and W. M. Folberth. 1,968,484; July 31.
- Fluid pressure actuated mechanism. F. G. and W. M. Folberth. 1,966,622; July 17.
- Fluid pressure apparatus. R. C. L. P. Turgot. 1,967,383; July 24.
- Fluid pressure brake. A. Chevillot. 1,947,696; Feb. 20.
- Fluid pressure brake. E. S. Cook. 1,976,876; Oct. 16.
- Fluid pressure brake. E. S. Cook. 1,980,322; Nov. 13.
- Fluid pressure brake. C. C. Farmer. 1,953,009; Mar. 27.
- Fluid pressure brake. C. C. Farmer. 1,956,674; May 1.
- Fluid pressure brake. C. C. Farmer. 1,967,299; July 24.
- Fluid pressure brake. C. C. Farmer. 1,972,733; Sept. 4.
- Fluid pressure brake. C. C. Farmer and E. E. Hewitt. 1,961,100; May 29.
- Fluid pressure brake. E. R. Fitch. 1,943,593; Jan. 16.
- Fluid pressure brake. E. R. Fitch and E. S. Cook. 1,947,705; Feb. 20.
- Fluid-pressure brake. E. R. Fitch and E. S. Cook. 1,974,954; Sept. 25.
- Fluid pressure brake. E. E. Hewitt. 1,964,056; June 26.
- Fluid pressure brake. J. C. McCune. 1,943,615; Jan. 16.
- Fluid pressure brake. J. C. McCune. 1,956,690; May 1.
- Fluid-pressure brake. J. C. McCune. 1,964,069; June 26.
- Fluid pressure brake. A. Neveu. 1,952,386; Mar. 27.
- Fluid pressure brake. A. Neveu. 1,964,071; June 26.
- Fluid pressure brake. A. Neveu and J. Guillemin-Tarayre. 1,964,072; June 26.
- Fluid pressure brake. J. N. Rock and E. A. Vail. 1,951,672; Mar. 20.
- Fluid pressure brake. E. A. Rockwell. 1,953,988; Apr. 10.
- Fluid pressure brake. V. M. Ward. 1,954,158; Apr. 10.
- Fluid pressure brake. H. H. Westinghouse. 1,952,345; Mar. 27.
- Fluid pressure brake. H. J. Winter. 1,943,574; Jan. 16.
- Fluid pressure brake. O. C. Wright. 1,949,033; Feb. 27.
- Fluid pressure control apparatus for pressing machines. J. F. Reynolds. 1,944,462; Jan. 23.
- Fluid pressure control mechanism. H. C. Frentzel, jr. 1,980,478; Nov. 13.
- Fluid pressure engine, Rotary. E. Crewdson. 1,947,334; Feb. 13.
- Fluid pressure governing mechanism. C. C. Franck. 1,947,128; Feb. 13.
- Fluid pressure motor. W. O. Carver. 1,955,486; Apr. 17.
- Fluid pressure operated device. I. G. Ringstrom. 1,941,815; Jan. 2.
- Fluid pressure regulation, Apparatus for. T. W. Demarest. 1,975,138; Oct. 2.
- Fluid pressure regulator. H. W. Fletcher. 1,947,585; Feb. 20.
- Fluid pressure regulator. F. J. Woolfenden. 1,981,576; Nov. 20.
- Fluid pressure system. E. W. Anger. 1,982,622; Dec. 4.
- Fluid-pressure system. C. H. Graesser. 1,951,049; Mar. 13.
- Fluid pressure tool. F. E. Terrill. 1,942,784; Jan. 9.
- Fluid-pressure unloader. C. E. L. Lipman. 1,965,420; July 3.
- Fluid pressures, Method of and apparatus for reducing. G. W. Smith. 1,958,644; May 15.
- Fluid, Production of expansive. D. C. Semmer. 1,953,870; Apr. 3.
- Fluid projector. A. H. Benesh. 1,947,752; Feb. 20.
- Fluid proportioning device. C. Grunsky. 1,961,350; June 5.
- Fluid pump. J. T. Hume. 1,983,131; Dec. 4.
- Fluid pump, Hand operated metered. G. S. Rogers and W. H. Johnson. 1,956,178; Apr. 24.
- Fluid purifier. C. A. Winslow. 1,948,282; Feb. 20.
- Fluid purifier. E. A. Winslow. 1,952,740; Mar. 27.
- Fluid regulating and cut-off valve. J. W. Brunette. 1,948,062; Feb. 20.
- Fluid sampling system. J. F. Quereau. 1,967,428; July 24.
- Fluid segregator. D. Samiran. 1,919,227; June 26.
- Fluid segregator. D. Samiran. 1,948,543; Feb. 27.
- Fluid supply system. J. N. Hardy. 1,953,603; Apr. 3.
- Fluid-tight joint. R. F. Anderson. 1,956,264; Apr. 24.
- Fluid transfer device. L. N. Hampton. 1,942,549; Jan. 9.
- Fluid transmission, Variable torque. C. E. Yahn. 1,957,124; May 1.
- Fluid treater. H. A. Wintermute. 1,974,226; Sept. 18.
- Fluid treating apparatus. G. MacLean. 1,976,955; Oct. 16.
- Fluid treating device. W. S. Bowen. 1,952,308; Mar. 27.
- Fluid treating system. J. H. Walker. 1,948,893; Feb. 27.
- Fluid under pressure two currents of fluids at different temperatures, Method and apparatus for obtaining from a. G. J. Ranque. 1,952,281; Mar. 27.
- Fluid valve. L. de Florez. 1,982,644; Dec. 4.
- Fluids, Apparatus for conditioning. C. C. Hubbell. 1,966,011; July 10.
- Fluids, Apparatus for conditioning. B. P. Lientz. 1,972,099; Sept. 4.
- Fluids, Apparatus for controlling the flow of. W. Smalley. 1,945,757; Feb. 6.
- Fluids, Apparatus for electrical treatment of. C. Hahn. 1,978,426; Oct. 30.
- Fluids, Apparatus for measuring flowing. C. F. Johnson. 1,966,628; July 17.
- Fluids, Controlling the flow of. V. V. Veenschoten. 1,949,437; Mar. 6.
- Fluids, Heating of. H. Tropsch. 1,981,129; Nov. 20.
- Fluids, Inducting and discharging device for. A. W. Slayback. 1,977,357; Oct. 16.
- Fluids, Method for the fractional supply of. I. B. Kimball. 1,974,072; Sept. 18.
- Fluids, Method of and apparatus for deodorizing and dehydrating. P. F. Rust. 1,943,146; Jan. 9.
- Fluids through conduits, Apparatus to control the flow of. W. H. Bailey. 1,942,793; Jan. 9.
- Fluids under pressure, Stopping the flow of. C. C. Hosmer. 1,970,964; Aug. 21.
- Fluorine compounds, Production of organic. L. C. Holt and E. L. Mattison. 1,967,244; July 24.
- Fluorine compounds, Purification of organic. H. W. Daudt. 1,946,195; Feb. 6.
- Fluoro-halo derivatives of hexachloroethane, Manufacture of. A. L. Henne. 1,970,562; Aug. 21.
- Fluoroscopic device. F. E. Talty. 1,967,980; July 24.
- Fluoroscopic screen holder. J. J. Grobe. 1,982,954; Dec. 4.
- Flush tank and closet bowl, Integral. F. G. Brotz and G. P. Gavin. 1,953,537; Oct. 9.
- Flush valve. T. R. Burke. 1,951,963; Mar. 20.
- Flush valve. A. C. Dobrick. 1,964,111; June 26.
- Flush valve. E. G. Hedges. 1,959,955; May 22.
- Flush valve. E. J. Kocour. 1,985,257; Dec. 25.
- Flush valve. W. F. Schultheiss. 1,942,837; Jan. 9.
- Flush valve. B. O. Tilden. 1,944,379; Jan. 23.
- Flush valve. D. E. West and N. S. Palmer. 1,961,469; June 5.
- Flushing apparatus. J. A. Vogel. 1,961,313; June 5.
- Flushing apparatus for water closet system. J. A. Vogel. 1,985,119; Dec. 18.
- Flushing apparatus, Safety. M. J. Tracy. 1,956,085-7; Apr. 24.
- Flushing apparatus, Time controlled. R. B. Coleman. 1,985,314; Dec. 25.
- Flushing arm attachment for water closets. F. Guidetti and G. M. Sacerdote. 1,949,415; Mar. 6.
- Flushing attachment for operating tables. A. L. Ormsbee. 1,960,392; May 29.
- Flushing device. G. Schwibinger. 1,975,214; Oct. 2.
- Flushing device. T. E. Sheridan. 1,961,795; June 5.
- Flushing system. W. S. White. 1,983,925; Dec. 11.
- Flushing tank. H. W. Patterson. 1,963,211; June 19.
- Flushing tank. W. Taylor. 1,971,880; Aug. 28.
- Flushing tank valve. J. Mello. 1,943,769; Jan. 16.
- Flushing valve. F. G. Curtin. 1,943,951; Jan. 16.
- Flushing valve. F. G. Curtin. 1,969,640; Aug. 7.
- Flux, Applying. I. A. Wyant. 1,977,220; Oct. 16.
- Flux for autogenously welding magnesium and its alloys. W. O. Binder. 1,968,984; Aug. 7.
- Flux for galvanizing. A. T. Baldwin. 1,965,759; July 10.
- Flux for silver soldering stainless steel. A. J. Maffia. 1,968,841; Aug. 7.

- Flux for use in soldering. W. K. Schweitzer. 1,974,436; Sept. 25.
- Flux, Soldering. H. S. McQuaid. 1,949,916; Mar. 6.
- Flux wash for galvanizing. A. T. Baldwin. 1,965,760; July 10.
- Fluxes, Method of and material for removing soldering. J. H. Gravell. 1,966,203; July 10.
- Fluxing apparatus. H. O. Preston and F. J. Strowbridge. 1,946,428; Feb. 6.
- Fluxing composition. C. C. Callis and R. B. Derr. 1,960,239; May 29.
- Fluxion seal ring. H. T. Wheeler. 1,956,844; May 1.
- Foam by mechanical means. Apparatus for production of. E. Schröder and J. A. S. van Deurs. 1,982,884; Dec. 4.
- Foam by mechanical means, Producing of. J. C. Hansen-Ellehammer. 1,970,082; Aug. 14.
- Foam cell. F. J. Gough and B. T. Ballard. 1,955,123; Apr. 17.
- Foam indicating apparatus for steam boilers. R. W. Seniff. 1,977,898; Oct. 23.
- Foam prevention. H. R. Mathias. 1,964,641; June 26.
- Foam, Prevention of. R. W. Richardson and R. B. Schneider. 1,981,634; Nov. 20.
- Foam reduction. R. G. Clarkson. 1,981,635; Nov. 20.
- Foam separator for fermentation plants and the like. E. Jantzen and H. Schmaljuss. 1,967,938; July 24.
- Foamite corrosion inhibitor. G. M. Fisher. 1,948,029; Feb. 20.
- Focus checking device. C. E. Godley. 1,961,347; June 5.
- Focus mechanism, Follow. G. A. Mitchell. 1,981,185; Nov. 20.
- Focusing device for cameras. T. M. De La Garde. 1,950,660; Mar. 13.
- Focusing means for cameras. M. B. Burns. 1,968,476; July 31.
- Focusing means in photographic enlarging apparatus. H. Westendorp. 1,950,533; Mar. 13.
- Foil and thin film, Cementing. A. F. Caprio. 1,981,141; Nov. 20.
- Foil capacitor, Floating. W. M. Bailey. 1,963,607; June 19.
- Foils, films, strips, sheets, ribbons, webs preferably of cellulose, Method and apparatus for drying. E. Bleibler. 1,975,708; Oct. 2.
- Foils of gold or other metal or of different metals, Electrolytic production of embossing. J. Fichtmueller. 1,945,142; Jan. 30.
- Foldable and extensible chair. P. A. Cross and W. Steinman. 1,963,333; July 31.
- Foldable chair. C. D. Kivler. 1,977,766; Oct. 23.
- Foldable chair. J. Kovats. 1,981,387; Nov. 20.
- Foldable chair. M. L. Tinsley. 1,963,509; June 19.
- Foldable container. M. Blitz. 1,981,774; Nov. 20.
- Foldable container. J. C. Heim. 1,950,111; Mar. 6.
- Foldable luggage carrier. G. E. Thomas. 1,946,368; Feb. 6.
- Foldable rack. L. J. Meyer. 1,946,633; Feb. 13.
- Foldable table. H. O. Dobie. 1,976,839; Oct. 16.
- Folded portions of packages, Apparatus for securing. A. G. Rose. 1,969,581; Aug. 7.
- Folder, Advertising. F. H. Ebersold. 1,955,117; Apr. 17.
- Folder, Advertising. R. Stuart. 1,969,768; Aug. 14.
- Folder, Card filing. O. Schinze. 1,974,515; Sept. 25.
- Folder, Mailing. L. Galter. 1,951,144; Mar. 13.
- Folder or container. A. J. Tanner. 1,970,636; Aug. 21.
- Folder or enclosure. J. E. Salinger. 1,970,394; Aug. 14.
- Folder protecting device. H. A. W. Wood. 1,919,408; Dec. 25.
- Folder protecting device. H. A. W. Wood. 1,951,590; Mar. 20.
- Folder, Protective. M. L. McKenna. 1,967,584; July 24.
- Folding and collecting mechanism. C. S. Crafts. 1,970,931; Aug. 21.
- Folding and wrapping machine. G. J. Egenolf. 1,941,544; Jan. 2.
- Folding blank box. E. R. Walker and C. Roehm. 1,984,609; Dec. 18.
- Folding board. J. P. Doman. 1,982,205; Nov. 27.
- Folding box. G. W. Glass. 1,953,896; Apr. 3.
- Folding box. A. A. Scarpa. 1,969,625; Aug. 7.
- Folding box, One-piece. G. H. Gault. 1,978,626; Oct. 30.
- Folding bracket. H. L. Snyder. 1,984,602; Dec. 18.
- Folding card table. J. C. Calhoun. 1,950,540; Mar. 13.
- Folding chair. C. N. Allerding. 1,970,266; Aug. 14.
- Folding chair. J. W. Beiger. 1,979,308; Nov. 6.
- Folding chair. W. W. Boardman. 1,945,018; Jan. 30.
- Folding chair. J. M. Bozarth. 1,949,951; Mar. 6.
- Folding chair. W. O. Brown. Des. 91,292; Jan. 2.
- Folding chair. W. E. Clarin. 1,943,058; Jan. 9.
- Folding chair. L. W. Emerson. 1,947,410; Feb. 13.
- Folding chair. L. W. Emerson. 1,980,615; Nov. 13.
- Folding chair. W. H. Gillette. 1,948,216; Feb. 20.
- Folding chair. W. M. Hanson. 1,958,042; May 8.
- Folding chair. J. Kovats. 1,946,082; Feb. 6.
- Folding chair. J. Kovats. 1,976,567; Oct. 9.
- Folding chair. E. B. Morgan. 1,979,562; Nov. 6.
- Folding chair. T. F. Murray. 1,949,282; Feb. 27.
- Folding chair. K. W. Olson. 1,957,286; May 1.
- Folding chair. F. M. Overbey. 1,943,037; Jan. 9.
- Folding chair. R. O. Ross. 1,980,551; Nov. 13.
- Folding chair. G. D. Schermerhorn. 1,949,492; Mar. 6.
- Folding chair. J. Silverman. 1,945,574; Feb. 6.
- Folding chair. F. Simmons. 1,975,520; Oct. 2.
- Folding chair. I. Spanopoulos. 1,984,238; Dec. 11.
- Folding chair. J. D. Welliver. 1,959,046; May 15.
- Folding chair. L. S. Williams. 1,957,417; May 1.
- Folding chair and the like. H. E. Taylor. 1,952,296; Mar. 27.
- Folding container. G. M. Hartson. 1,972,483; Sept. 4.
- Folding device, Paper. H. I. Stage. 1,974,165; Sept. 18.
- Folding display. H. Ziemmerman. 1,962,852; June 12.
- Folding egg box. S. Reich. 1,985,579; Dec. 25.
- Folding fruit box. F. E. Warner. 1,948,083; Feb. 20.
- Folding ironing table. J. A. Reitze. 1,982,399; Nov. 27.
- Folding ironing table. C. W. Sadenwater. 1,961,944; June 5.
- Folding lawn chair. W. Holloway. 1,971,783; Aug. 28.
- Folding leg table. R. V. Stoner and E. A. Schlaak. 1,943,563; Jan. 16.
- Folding machine. C. W. Brenn. 1,968,122; July 31.
- Folding machine. P. R. Glass. 1,977,908; Oct. 23.
- Folding machine. L. M. Kahn. 1,980,532; Nov. 13.
- Folding machine. A. R. Ridderstrom. 1,942,363; Jan. 2.
- Folding machine. G. Spiess. 1,969,049; Aug. 7.
- Folding machine. A. W. Werner. 1,955,398; Apr. 17.
- Folding machine. H. L. Wood. 1,982,848; Dec. 4.
- Folding means. H. Howe. 1,964,759; July 3.
- Folding mechanism. C. S. Crafts. 1,966,885; July 17.
- Folding mechanism. C. S. Crafts. 1,978,567; Oct. 30.
- Folding mechanism. C. S. Crafts. 1,979,316; Nov. 6.
- Folding mechanism. H. Fankboner. 1,949,153; Feb. 27.
- Folding mechanism. H. Fankboner. 1,957,880; May 8.
- Folding mechanism. H. Howe. 1,945,899; Feb. 6.
- Folding mechanism. A. Lundquist and J. D. Spillane. 1,976,853; Oct. 16.
- Folding pocket case. F. P. Hughes. 1,944,345; Jan. 23.
- Folding projection screen. W. A. Riddell. 1,946,639; Feb. 13.
- Folding rack. A. van Rosendaal. 1,982,972; Dec. 4.
- Folding stand. J. Bucholz. 1,946,610; Feb. 13.
- Folding table. T. W. Andersen. 1,962,126; June 12.
- Folding table. J. W. Bereman. 1,966,944; July 17.
- Folding table. J. Bontemps. 1,969,723; Aug. 14.
- Folding table. J. F. Bradbury. 1,941,927; Jan. 2.
- Folding table. W. O. Brown. Des. 91,315; Jan. 9.
- Folding table. E. J. Coffed. 1,963,612; June 19.
- Folding table. R. O. Cuffel. 1,985,284; Dec. 25.
- Folding table. A. Duffy. 1,956,946; May 1.
- Folding table. J. D. Gallant. 1,955,492; Apr. 17.
- Folding table. J. A. and L. A. Granstand. 1,964,571; June 26.
- Folding table. H. T. Hallowell and F. Bennett. 1,966,344; July 10.
- Folding table. F. H. Hatfield. 1,965,700; July 10.
- Folding table. K. G. Johanson. 1,942,603; Jan. 9.
- Folding table. A. L. Johnson and H. G. McComb. 1,960,586; May 29.
- Folding table. W. C. Lindsay. 1,959,725; May 22.
- Folding table. J. B. O'Connor and J. E. Bales. 1,979,568; Nov. 6.
- Folding table. R. B. Seward. 1,951,884; Mar. 20.
- Folding table. M. B. Shwayder. 1,955,151; Apr. 17.
- Folding table. M. L. Tinsley. 1,951,888; Mar. 20.
- Folding table. L. R. Vinding. 1,978,827; Oct. 30.
- Folding table. J. J. Wilkinson. 1,963,911; June 19.
- Folding table. B. E. Willett. 1,950,958; Mar. 13.
- Follow-up or remote control system. B. A. Wittkubns and F. M. Watkins. 1,959,805; May 22.
- Follow construction for filing drawers. F. L. G. Straubel. 1,983,576; Dec. 11.
- Follow for filing devices. B. G. Rand. 1,948,935; Feb. 27.
- Font, Holy water. C. H. Richardson. Des. 91,964; Apr. 10.
- Food. W. R. Thomas. 1,950,935; Mar. 13.
- Food appliance. L. Wygodsky. 1,953,982; Apr. 10.
- Food Cereal. E. H. McKay. 1,946,803; Feb. 13.
- Food-color and producing same, Protein. H. E. Allen. 1,956,785; May 1.
- Food composition. R. M. Preston. 1,949,657; Mar. 6.
- Food compound and preparing same. C. M. Strasburger. 1,971,323; Aug. 21.
- Food container. L. H. Scurlock. Des. 91,971; Apr. 10.
- Food container. L. H. Scurlock. Des. 92,981; Aug. 7.
- Food container unit. L. H. Scurlock. Des. 94,099; Dec. 18.
- Food conveyor construction. W. A. Barnes. 1,964,805; July 3.
- Food cutter. J. M. Marty. 1,974,501; Sept. 25.
- Food flavors, extracts, and juices, Preparing. J. B. Rolle. 1,956,362; Apr. 24.
- Food handling apparatus. H. L. Johnston. 1,944,181; Jan. 23.
- Food heating apparatus, Electric. A. V. Courtright. 1,970,360; Aug. 14.
- Food hot, Device for keeping. M. G. French. 1,961,756; June 5.
- Food masher. A. E. Johnson. 1,977,339; Oct. 16.
- Food materials, Treating. H. C. Gore and C. N. Frey. 1,953,754; Apr. 3.
- Food preparing device. C. W. Rothfeld. Des. 93,633; Oct. 16.
- Food preparing machine. C. B. Krause. 1,944,245; Jan. 23.
- Food product. C. W. Christensen and V. Conquest. 1,958,295; May 8.
- Food product. S. S. Leaf. 1,950,734; Mar. 13.
- Food product. R. Pilorz. 1,944,265; Jan. 23.
- Food product. M. Schnaier. 1,952,688 Mar. 27.
- Food product. S. Siegel. 1,968,916; Aug. 7.
- Food product and making same. D. A. Farrell. 1,984,470; Dec. 18.

- Food product and method of manufacture. D. D. Peebles. 1,976,246; Oct. 9.
- Food product and preparing the same. C. Birdseye. 1,955,484; Apr. 17.
- Food product and process of making. G. T. Lewis. 1,973,084; Sept. 11.
- Food product and producing same. F. E. Hollweg. 1,971,981; Aug. 28.
- Food product and producing the same. E. Jameson and C. P. Wilson. 1,977,945; Oct. 23.
- Food products and resulting articles, Treating. C. W. Lang. 1,973,634; Sept. 11.
- Food products, Freezing. J. M. Young. 1,965,624; July 10.
- Food products, Freezing and packaging. C. Birdseye. 1,977,373; Oct. 16.
- Food products in metal containers, Freezing. A. L. Kronquest. 1,975,009; Sept. 25.
- Food products in metal containers, Hermetically sealing. R. B. McKinnis. 1,975,012; Sept. 25.
- Food products, Preparing. B. J. G. Chiego. 1,947,520; Feb. 20.
- Food products, Preventing deterioration of. R. L. Feagles. 1,953,077; Apr. 3.
- Food products, Process and apparatus for preparing and packing. C. W. Vogt. 1,972,253; Sept. 4.
- Food products, Sterilization of. G. Grindrod. Re19,193; June 5.
- Food products, Treating. S. Tranin and R. M. Snyder. 1,945,102; Jan. 30.
- Food products, Treating solid. S. Tranin and R. M. Snyder. 1,975,991; Oct. 9.
- Food rack. A. A. Godman. Des. 92,162; May 8.
- Food receptacle. W. E. Tomlinson. 1,979,057; Oct. 30.
- Food server. M. N. Robertson. 1,969,580; Aug. 7.
- Food servicer. C. J. De Muth. 1,948,937; Feb. 27.
- Food substances, Treating. G. Sperti, R. J. Norris, R. B. Withrow, and H. Schneider. 1,982,029; Nov. 27.
- Foods, Apparatus for heat treating. G. Grindrod. 1,979,685; Nov. 6.
- Foods, Canning. G. S. Bohart. 1,961,681; June 5.
- Foods, Device for browning. S. C. Andrew. 1,959,807; May 22.
- Foods, Fruit flavored. G. L. Teller. 1,957,053; May 1.
- Foods, Preservation of. H. R. Beard. 1,963,965; June 26.
- Foodstuff. C. Dreyfus. 1,943,374; Jan. 16.
- Foodstuffs, Apparatus for treating. H. R. Beard. 1,969,833; Aug. 14.
- Foodstuffs, Canning. J. T. McCrosson. 1,956,770; May 1.
- Foodstuffs, Condimentation and coloration of. H. E. Allen. 1,956,784; May 1.
- Foodstuffs, Method of and apparatus for wrapping. C. F. M. van Berkel. Re19,358; Oct. 30.
- Food stuffs, Preserving. C. E. Forrest. 1,975,541; Oct. 2.
- Foodstuffs, Producing. L. Bernardini. 1,949,895; Mar. 6.
- Foot adjuster and exerciser. J. S. Bach. 1,978,244; Oct. 23.
- Foot appliance, Correctional. D. V. Mazzocco. 1,977,316; Oct. 16.
- Foot arch support. P. G. H. Hinder. 1,972,776; Sept. 4.
- Football. R. E. Jary. Des. 92,721; July 10.
- Football, Devices for playing table. A. T. C. Insall. and F. E. Andrews. 1,980,274; Nov. 13.
- Football practice apparatus. R. Crowther. 1,962,088; June 5.
- Footballs, basketballs, or like inflatable balls, Apparatus for treating. B. Kozmer. Re19,393; Dec. 11.
- Foot bath. M. H. Martindell and O. Stenmar. 1,970,465; Aug. 14.
- Foot comfort pad. W. M. Scholl. 1,963,474; June 19.
- Foot corrective device. R. V. Parsons. 1,941,713; Jan. 2.
- Foot exerciser. V. D. Hess. 1,949,906; Mar. 6.
- Foot exerciser. J. M. Hiss. 1,963,903; June 19.
- Foot exerciser. E. R. Mayland. 1,972,308; Sept. 4.
- Foot for furniture and the like, Adjustable. F. V. Fögelstrom. 1,973,948; Sept. 18.
- Foot for glider swings. C. H. Oermann. 1,966,355; July 10.
- Foot measuring and recording machine. E. J. Bliss and C. E. Clarke. 1,971,954; Aug. 28.
- Foot-measuring device. E. J. Bliss. 1,951,322; Mar. 13.
- Foot-pedal jack. B. W. Twyman. 1,950,640; Mar. 13.
- Foot rest, Chiropractic. A. W. Cousins. 1,947,758; Feb. 20.
- Foot rest, Collapsible. W. Green and R. B. Alguire. 1,979,152; Oct. 30.
- Foot rest, Heel protecting. F. J. Kramer. 1,951,284; Mar. 13.
- Foot-size measurer. E. J. Bliss. 1,951,323; Mar. 13.
- Footstool or like article, Multi-position. R. C. Crego. Des. 92,703; July 10.
- Foot support. E. Frel. 1,981,100; Nov. 20.
- Foot treating device. J. F. Schipper. 1,962,971; June 12.
- Foot valve. W. H. D. Brouse. 1,977,039; Oct. 16.
- Footometer. J. M. Hiss. 1,973,435; Sept. 11.
- Foots from crude oil, Removal of. E. C. Ragsdale. 1,985,426; Dec. 25.
- Footwear. B. Boghosian. 1,968,012; July 31.
- Footwear. H. C. Hebig. 1,959,359; May 22.
- Footwear. N. Littell and H. C. Hebig. 1,973,292; Sept. 11.
- Footwear. F. Markowsky. 1,949,318; Feb. 27.
- Footwear. A. M. Mondl. 1,974,580; Sept. 25.
- Footwear. A. A. Page. 1,977,693; Oct. 23.
- Footwear. S. I. Pike. 1,961,910; June 5.
- Footwear. W. N. Sechler and S. Goodman. 1,945,122; Jan. 30.
- Footwear. M. J. Weisburd. 1,945,012; Jan. 30.
- Footwear. F. A. Wood. Re19,407; Dec. 25.
- Footwear and making same, Rubber. J. E. Taber. 1,952,473; Mar. 27.
- Footwear and the like and method and apparatus for producing the same. F. J. MacDonald. 1,952,628; Mar. 27.
- Footwear, Apparatus for the manufacture of. J. A. Bata. 1,975,034-5; Sept. 25.
- Footwear, Apparatus for the manufacture of. J. A. Bata. 1,975,532; Oct. 2.
- Footwear appliance. A. B. Merrill and C. A. Ritchie. 1,958,107; May 8.
- Footwear article. H. P. Manville. 1,971,456; Aug. 28.
- Footwear, Lasting. J. S. Kamborian. 1,979,000; Oct. 30.
- Footwear, manufacture. C. A. Ostling and F. Zonino. 1,976,365; Oct. 9.
- Footwear, Manufacture of rubber. L. H. Burnham and R. M. Holden. 1,972,976; Sept. 11.
- Footwear, Waterproof. H. P. Manville. 1,943,448; Jan. 16.
- Footwear with high heels, Manufacture of press-molded rubber. H. C. L. Dunker. 1,977,576; Oct. 16.
- Force cup. W. B. Stephenson. 1,972,114; Sept. 4.
- Force feed lubricator. N. Fries. 1,949,272; Feb. 27.
- Force feed lubricator. C. A. Parsons. 1,960,064; May 22.
- Force feed lubricator. C. A. Parsons and L. W. Drott. 1,953,771; Apr. 3.
- Force measuring device. E. S. Larson. 1,961,368; June 5.
- Force measuring machine. H. M. Cameron. 1,979,822; Nov. 6.
- Forced draft furnace. C. H. Oakes. 1,957,902; May 8.
- Forceps, Phimosos hemostatic. S. U. and C. A. Siven. 1,946,642; Feb. 13.
- Forehearth for glass melting furnaces and conditioning molten glass. T. Wardley. 1,970,113; Aug. 14.
- Forest and field ground, Preparing, sowing, and planting in. T. Rognerud. 1,956,697; May 1.
- Forging apparatus. J. Lamond. 1,983,618; Dec. 11.
- Forging furnace. A. J. Nordenson. 1,942,515; Jan. 9.
- Forging head. G. K. Garrett. 1,974,566; Sept. 25.
- Forging machine. F. L. Bush, J. B. Hill, and R. Hervig. 1,952,491; Mar. 27.
- Forging machine. W. W. Criley. 1,975,537; Oct. 2.
- Forging machine. H. Müller. 1,969,317; Aug. 7.
- Forging machine. F. J. Rode. 1,953,314; Apr. 3.
- Forgings, Forming. C. H. Smith. 1,945,827; Feb. 6.
- Forgings, Making channel. O. W. Andersen. 1,958,178; May 8.
- Fork. H. D. Homan. 1,970,093; Aug. 14.
- Fork, Egg. J. C. Butner. 1,983,067; Dec. 4.
- Fork, Electrical filling. T. E. Carroll. 1,960,988; May 29.
- Fork for wheeled vehicles. A. D. Whidden. 1,947,631; Feb. 20.
- Fork, Griddle greasing. J. R. Moore. 1,973,093; Sept. 11.
- Fork, or similar article, Table. G. S. Wilson. Des. 93,956; Nov. 27.
- Fork, Turf. E. Leeborg. 1,982,749; Dec. 4.
- Form, Adjustable stocking. C. Cochrane. 1,969,727; Aug. 14.
- Form aligning device. R. B. Doty. 1,969,877; Aug. 14.
- Form and form holder, Variable width metal. G. S. Nelson. 1,964,958; July 3.
- Form and manufacturing the same, Snap-out. O. P. Peters. 1,947,139; Feb. 13.
- Form, Annular collapsible. F. L. Johnson. 1,948,035; Feb. 20.
- Form apparatus for producing concrete slabs. G. W. Gilleland. 1,981,036; Nov. 20.
- Form, Baking. H. N. Smith. 1,946,244; Feb. 6.
- Form bending machine. E. J. W. Ragsdale. 1,961,709; May 29.
- Form, Cap. M. J. Ford. 1,954,565; Apr. 10.
- Form clamp. H. A. Kavanaugh and G. F. Newton. 1,981,178; Nov. 20.
- Form, Concrete. J. T. and J. E. Blair. 1,980,372; Nov. 13.
- Form, Concrete. L. I. Bruce. 1,965,686; July 10.
- Form, Dental impression. S. R. Salvio. 1,979,493; Nov. 6.
- Form, Display. F. Schlag and A. Fuggiti. 1,981,527; Nov. 20.
- Form, Dressing. E. J. Roe. 1,952,779; Mar. 27.
- Form, Drying. W. W. Sibson and J. W. Dennis. 1,959,932; May 22.
- Form, Facing. J. D. Duke. 1,964,254; June 26.
- Form, Facing. W. Gaul. 1,963,986; June 26.
- Form, Facing. A. E. F. Moore. 1,964,742; July 3.
- Form for concrete catch basins or the like. C. J. Mears. 1,948,931; Feb. 27.
- Form for concrete construction, Collapsible. R. D. Smith. 1,947,625; Feb. 20.
- Form for concrete construction, Permanent. W. B. Davenport. 1,945,030; Jan. 30.
- Form for concrete floor construction. W. M. Goldsmith and B. Harig. 1,942,093; Jan. 2.
- Form for constructing concrete piers, Adjustable. D. A. Provance. 1,951,949; Mar. 20.
- Form for glass plates, Fitting. J. Wynd. 1,946,377; Feb. 6.
- Form for knock-down concrete structures. K. E. Bemis. 1,948,486; Feb. 27.
- Form for road widening, Road. E. A. Robertson. 1,956,046; Apr. 24.
- Form, Garment. J. W. Likly. 1,951,985; Mar. 20.

- Form, Garment packaging. H. L. Greve. 1,955,708; Apr. 17.
- Form hanger. T. D. Anderson. 1,972,913; Sept. 11.
- Form, Hosiery drying. T. W. Prosser and J. H. Wahlbeck. 1,942,448; Jan. 9.
- Form, Hosiery drying. T. W. Prosser and J. H. Wahlbeck. 1,980,547; Nov. 13.
- Form, Making a hollow display. W. J. De Witt. 1,981,949; Nov. 27.
- Form, Manifolding. A. R. Lawson and L. Huffman. 1,953,241; Apr. 3.
- Form measuring device. E. E. Koe. 1,976,174; Oct. 9.
- Form, Multiplex. C. A. Meisel. 1,954,423; Apr. 10.
- Form panel and apparatus for use therewith. N. Garrett. 1,963,985; June 26.
- Form pieces, Making electrically insulating. U. Gubler. 1,944,508; Jan. 23.
- Form, Printing. H. B. Phillips. 1,949,693; Mar. 6.
- Form puller. C. E. Rarick. 1,943,803; Jan. 16.
- Form, Road. J. N. Heltzel. 1,944,511; Jan. 23.
- Form, Road. J. N. Heltzel. 1,948,213; Feb. 20.
- Form roller for printing machines. F. Lamatsch. 1,955,752; Apr. 24.
- Form shaping device for woodworking machines. J. O. Creek and W. Wood. 1,981,584; Nov. 20.
- Form, Shoe. W. J. de Witt. 1,963,837; June 19.
- Form, Shoe. A. G. Legge. 1,948,621; Feb. 27.
- Form, Stocking. R. B. Doty. 1,969,731; Aug. 14.
- Form tie. M. S. Anderson. 1,950,018; Mar. 6.
- Form tie. T. C. Schenk. 1,970,946; Aug. 21.
- Form tie clamp. G. P. Wherren. 1,963,514; June 19.
- Form tie, Concrete-wall. E. Anderson. 1,973,941; Sept. 18.
- Form tierod and fastening therefor, Concrete. S. S. Colt. 1,973,609; Sept. 11.
- Form, Tire building. A. L. Heston. 1,944,865; Jan. 23.
- Form, Wall. M. S. Anderson. 1,970,547; Aug. 21.
- Formed container. J. H. Carson. 1,959,613; May 22.
- Former for printing machines. W. J. Strain. 1,982,703; Dec. 4.
- Former-head. W. McClintock. 1,978,470; Oct. 30.
- Forming and breaking head for wire rope stranders and closers. W. E. Somerville. 1,942,670; Jan. 9.
- Forming body. J. M. Smith. 1,960,353; May 29.
- Forming composite brake drums. A. S. Van Halteren. 1,968,976; Aug. 7.
- Forming guide for engraving and allied machines. G. Horner. 1,956,505; Apr. 24.
- Forming machine. Can body. M. L. Dodge and P. M. Pearson. 1,966,380; July 10.
- Forming means. J. Miotke. 1,947,611; Feb. 20.
- Forming records in record cards or the like, particularly for use in statistical or like machines. N. G. Smith and A. Thomas. 1,969,332; Aug. 7.
- Forms for caissons, piers, etc. H. E. White. 1,967,490; July 24.
- Forms for multicolor printing, Preparing. J. F. Springstead. 1,975,181; Oct. 2.
- Forms, Inking printing. A. and E. Kluge. 1,980,969; Nov. 13.
- Formaldehyde condensation product. R. A. Jacobson. 1,945,315; Jan. 30.
- Formamide, Vaporization of. H. A. Bond. 1,950,875; Mar. 13.
- Foundation and attic ventilator. C. G. McGilvray. 1,973,645; Sept. 11.
- Foundation construction. W. J. Newman. 1,954,094; Apr. 10.
- Foundations, Constructing. M. F. Clements and N. F. Helmers. 1,963,351; June 19.
- Foundations, Preparing. S. O. Brune and O. Peterson. 1,979,670; Nov. 6.
- Foundry core. E. Weatherford. 1,984,905; Dec. 18.
- Foundry facing and making same. B. F. Wallace. 1,919,396; Dec. 11.
- Foundry facing and making same. B. F. Wallace. 1,955,936; Apr. 24.
- Fountain: See—
 Drinking fountain. Portable fountain.
 Electrically operated fountain. Poultry fountain.
 Lavatory fountain. Water temperature controlling fountain.
 Fountain, Advertising drinking. A. H. Adams. Des. 92,157; May 8.
- Fountain divider for printing presses. G. H. Flinker. 1,953,105; Apr. 3.
- Fountain inking pad. B. E. Horton. 1,949,865; Mar. 6.
- Fountain sirup pump. Soda. F. W. Ludwig. 1,942,609; Jan. 9.
- 4-phenalkyl-3-keto-3,4-dihydro-1,4-benzoxazines and manufacture of same. E. Pelswerk and H. Mayer. 1,951,807; Mar. 20.
- 4,6-dimethyl-7-chloro-oxythionaphthene and its indigold derivatives. N. Steiger. 1,945,923; Feb. 6.
- Fourdriner paper machine. F. S. McDonnell. 1,982,349; Nov. 27.
- Fourdriner paper machine. M. T. Weston. 1,955,399; Apr. 17.
- Fowl-sticking machine. O. W. Swanson. 1,965,612; July 10.
- Foxing treating machine. L. E. James. 1,945,640; Feb. 6.
- Fractionating apparatus. R. W. Bliefeldt. 1,948,500; Feb. 27.
- Fractionating apparatus. M. H. Kotzebue. 1,983,762; Dec. 11.
- Fractionating process. C. W. Stratford. 1,953,730; Apr. 3.
- Fractionating system. W. H. Bahlke and E. W. Thiele. 1,947,577; Feb. 20.
- Fractionation, Process and apparatus for. J. F. Wait. 1,983,058; Dec. 4.
- Fracture appliance. C. P. Jones. 1,950,799; Mar. 13.
- Fracture reducing table. J. O. Rankin. 1,955,017; Apr. 17.
- Frankfurters, Smoking. F. Seaver. 1,984,435; Dec. 18.
- Frame: See—
 Automobile frame. Pocketbook frame.
 Awning frame. Quilting frame.
 Bag frame. Railway motor frame.
 Bicycle frame. Rear curtain light frame.
 Box-making frame. Receptacle frame.
 Cofferdam frame. Refrigerator frame.
 Coping saw frame. Ring spinning frame.
 Curtain display frame. Roof frame.
 Curtain stretcher frame. Saw frame.
 Drawing and spinning frame. Screen and sash frame.
 Drawing frame. Side door frame.
 Drop wire frame. Side frame.
 Drying-frame. Sign frame.
 Film developing and handling frame. Spectacle frame.
 Flat hosiery frame. Spinning and like frame.
 Friction frame. Spinning frame.
 Furnace door frame. Stretching frame.
 Glider frame. Studio couch frame.
 Hand bag frame. Suspension frame.
 Hive frame. Table frame.
 License plate frame. Tender frame.
 Machine frame. Tent frame.
 Metal window frame. Truck frame.
 Molding frame. Truck side frame.
 Motorcycle frame. Universal vacuum frame.
 Motorcycle towing frame. Vacuum frame.
 Pendulum abduction frame. Vehicle frame.
 Picture frame. Windshield frame.
 Window screen frame.
- Frame. H. M. Magid. 1,942,437; Jan. 9.
- Frame. S. E. Overton. 1,949,081; Feb. 27.
- Frame. M. B. Stone. 1,973,580; Sept. 11.
- Frame. M. B. Stone. 1,973,583; Sept. 11.
- Frame. M. B. Stone and W. F. Williamson. 1,973,582; Sept. 11.
- Frame and journal box therefor, Side. A. O. Buckius. 1,962,579; June 12.
- Frame and tray for beds, Supporting. P. Vorbeck. 1,950,128; Mar. 6.
- Frame assembly for mounting a unitary device on an automobile chassis. R. C. Evans. 1,981,995; Nov. 27.
- Frame cone, Roving. F. H. Martin. 1,958,632; May 15.
- Frame construction. C. M. Dill. 1,965,580; July 10.
- Frame construction, Curtain. F. A. Hoiles. 1,943,763; Jan. 16.
- Frame corner bead. A. T. Potter. 1,947,736; Feb. 20.
- Frame corner construction. O. P. Wallace and B. F. Whybark. 1,943,777; Jan. 16.
- Frame finishing machine, Flat. J. B. and L. B. Moreau. 1,971,079; Aug. 21.
- Frame for a photographic machine. M. Annick. Des. 93,376; Sept. 25.
- Frame for access opening for use in aircraft construction. C. E. Hathorn. 1,961,584; June 5.
- Frame for buildings, Metallic. J. Marshall. 1,955,818; Apr. 24.
- Frame for locomotives, End. H. Glaenger and T. E. Herrick, Jr. 1,955,675; Apr. 17.
- Frame for looms, Tuft. C. C. Alvord. 1,948,835; Feb. 27.
- Frame for making hooked rugs or the like. J. A. Peirce. 1,975,331; Oct. 2.
- Frame for multicompartment handbags. F. J. Quigan. 1,952,183; Mar. 27.
- Frame for projectors, Film display. A. Hudson. 1,943,673; Jan. 16.
- Frame for screens and the like. C. R. Parrish. 1,950,062; Mar. 6.
- Frame for stretching skins. W. A. Gibbs. 1,954,697; Apr. 10.
- Frame for vertical reciprocating engines. E. Atteslander. 1,971,673; Aug. 28.
- Frame structure and fabricating the same, Metal tubular. D. F. McMurchy. 1,972,309; Sept. 4.
- Framework and the covering of airships, Method of and apparatus for strengthening the. G. Fulton. 1,951,353; Mar. 20.
- Framework, Structural metal. H. L. Dovell. 1,958,473; May 15.
- Framework, Universal. L. C. Warner. 1,951,457; Mar. 20.
- Framing apparatus for making purses. El F. Sieg. 1,960,799; May 29.
- Framing handle construction. A. Kindelmann and E. Boecking. 1,957,171; May 1.
- Framing mechanism for motion picture projectors. A. Dina. 1,949,458; Mar. 6.
- Framing mechanism for motion picture projectors. A. Dina. 1,955,379; Apr. 17.
- Franking, stamping or the like machine. W. Ochsenbein. 1,968,347; July 31.
- Fraud preventative device for slot machines. G. Poulas. 1,977,326; Oct. 16.

- Fraud preventive device for check controlled apparatus.** A. A. Knee. 1,945,318; Jan. 30.
- Freewheel control.** W. B. Barnes. 1,961,326; June 5.
- Free wheel mechanism.** H. F. von Thüngen. 1,942,909; Jan. 9.
- Freewheeling device.** C. C. Bradley and L. E. Thatcher. 1,950,656; Mar. 13.
- Freewheeling device.** J. V. Martin. 1,950,736; Mar. 13.
- Freewheeling device.** F. W. Parker. 1,946,877; Feb. 13.
- Free wheeling device.** D. G. Roos. 1,967,539; July 24.
- Freeness indicator and recorder.** G. S. Witham, jr. 1,945,988; Feb. 6.
- Freeness tester.** A. R. Harvey. 1,970,521; Aug. 14.
- Freeasia.** W. P. Morgan. Pl. Pt. 98; May 22.
- Freezer.** F. J. Miles. 1,971,791; Aug. 28.
- Freezer.** M. R. Westover. 1,984,612; Dec. 18.
- Freezer construction, Ice-cream.** W. R. Helwege. 1,942,696; Jan. 9.
- Freezer for electric ice-boxes, Ice cream.** M. W. Bowman. 1,957,522; May 8.
- Freezer for mechanically operated refrigerating units.** F. Schalljo and J. Miller. 1,974,512; Sept. 25.
- Freezer, Ice cream.** G. Richards. 1,985,381; Dec. 25.
- Freezer or the like, Ice cream.** R. R. McMath and O. F. Nelson. 1,953,766; Apr. 3.
- Freezing and dispensing device.** C. R. Sibley and A. F. Pym. 1,954,229; Apr. 10.
- Freezing and dispensing device.** C. R. Sibley and A. F. Pym. 1,969,104; Aug. 7.
- Freezing apparatus.** E. Behringer. 1,949,265; Feb. 27.
- Freezing apparatus.** C. Morrow. 1,951,365; Mar. 20.
- Freezing apparatus.** E. J. Murphy. 1,961,069-70; May 29.
- Freezing attachment, Ice cream.** N. T. Skowlund. 1,944,114; Jan. 16.
- Freezing mechanism.** J. H. Westfield. 1,973,190; Sept. 11.
- Freezing, Method or process of.** B. S. Foss. 1,952,666; Mar. 27.
- Freezing of comestibles, Quick.** C. W. Vogt. 1,953,520; Apr. 3.
- Freezing process and refrigerant, Quick.** H. V. Atwell. 1,944,857; Jan. 23.
- Freezing structure, Sharp.** C. L. and F. R. West. 1,943,466; Jan. 16.
- Freezing units for household refrigerators.** L. G. Knapp. 1,975,232; Oct. 2.
- Freight container.** R. H. Clapp. 1,973,372; Sept. 11.
- Freight container car.** G. C. Woodruff. 1,969,391; Aug. 7.
- Freight container, Less than carload.** G. L. Bennett. 1,970,592; Aug. 21.
- Freight handling apparatus.** B. F. Fitch. 1,971,339; Aug. 28.
- French-binding straightening and cementing machine.** F. S. Sherman and J. Husler. 1,981,006; Nov. 20.
- Frenching machine.** W. Swift. 1,982,487; Nov. 27.
- Frequency adjusting system.** L. A. Gebhard and C. F. Rudolph. 1,984,301; Dec. 11.
- Frequency and load control of alternating current systems.** C. A. Hoxie. 1,971,818; Aug. 28.
- Frequency changes in piezo electric crystals due to changes in temperature, Apparatus for compensating.** W. E. Bower. 1,970,554; Aug. 21.
- Frequency changing apparatus.** L. A. Gebhard. 1,969,745; Aug. 14.
- Frequency changing system.** F. A. Cowan. 1,959,459; May 22.
- Frequency changing system.** L. A. Gebhard. 1,965,590; July 10.
- Frequency changing system.** L. A. Gebhard and C. F. Rudolph. 1,969,746; Aug. 14.
- Frequency changing system.** H. Meyer-Delius. 1,982,605; Nov. 27.
- Frequency changing system for high frequency signaling apparatus.** L. A. Gebhard. 1,945,525; Feb. 6.
- Frequency control.** J. W. Conklin. 1,945,544; Feb. 6.
- Frequency control and modulation system.** A. Hund. 1,945,690; Feb. 6.
- Frequency control apparatus.** L. A. Gebhard. 1,968,035; July 31.
- Frequency control apparatus.** L. A. Gebhard. 1,972,517; Sept. 4.
- Frequency control apparatus.** L. C. Young. 1,950,535; Mar. 13.
- Frequency control device.** G. B. Hirsch. 1,942,599; Jan. 9.
- Frequency control for amplifiers.** C. H. Garrett. 1,953,475; Apr. 3.
- Frequency control means.** H. Chireix. 1,952,701; Mar. 27.
- Frequency control system.** J. L. Finch and J. W. Conklin. 1,945,545; Feb. 6.
- Frequency control system.** R. M. Page. 1,953,973; Apr. 10.
- Frequency control system.** W. Runge. 1,952,463; Mar. 27.
- Frequency control system, Automatic.** E. E. Stevens and D. D. Higgins. 1,984,440; Dec. 18.
- Frequency converting system.** J. Jonas. 1,980,409; Nov. 13.
- Frequency divider.** W. F. Curtis. 1,950,400; Mar. 13.
- Frequency indicating and control apparatus.** L. Hammond. 1,960,672; May 29.
- Frequency measuring system.** V. J. Andrew. 1,966,230; July 10.
- Frequency measuring system.** H. C. Forges. 1,982,340; Nov. 27.
- Frequency meter.** R. F. Field. 1,983,447; Dec. 4.
- Frequency, Method of and apparatus for measuring.** A. J. Williams, jr. 1,957,925; May 8.
- Frequency modulation.** J. W. Conklin. 1,965,332; July 3.
- Frequency regulation of systems distributing power and time.** H. E. Warren. 1,953,790; Apr. 3.
- Frequency regulation of systems distributing power and time.** H. E. Warren. 1,963,727; June 19.
- Frequency responsive apparatus.** L. O. Grondahl. 1,959,161; May 15.
- Frequency stabilization.** H. O. Roosenstein. 1,978,818; Oct. 30.
- Frequency translation, Device and circuit for.** R. A. Heising. 1,976,558; Oct. 9.
- Frequencies by means of static apparatus, Changing.** M. Schenkel. 1,982,324; Nov. 27.
- Friction and positive clutch, Combination.** M. R. Bauer. 1,971,846; Aug. 28.
- Friction brake.** W. A. Blume. 1,941,656; Jan. 2.
- Friction brake.** W. A. Blume. 1,952,903; Mar. 27.
- Friction brake.** N. P. V. Buus. 1,959,049; May 15.
- Friction clutch.** C. W. Chapman. 1,972,643; Sept. 4.
- Friction clutch.** G. Fast. 1,984,337; Dec. 11.
- Friction clutch.** E. R. Evans. 1,976,063; Oct. 9.
- Friction clutch.** R. T. Hazelton and B. H. Mersch. 1,963,364; June 19.
- Friction clutch.** K. E. Lyman. 1,981,807; Nov. 20.
- Friction clutch.** C. A. and W. V. Thelander. 1,985,301; Dec. 25.
- Friction clutch.** E. V. J. Tower. 1,965,325-6; July 3.
- Friction clutch, Centrifugal.** C. A. Olcott. 1,972,047; Aug. 28.
- Friction clutch, Fluid operated.** H. A. Gehres. 1,974,740; Sept. 25.
- Friction clutching device.** F. Ljungström. 1,976,791; Oct. 16.
- Friction controlling apparatus.** H. W. Nieman. 1,975,473; Oct. 2.
- Friction coupling.** J. H. Bach. 1,946,263; Feb. 6.
- Friction device.** W. S. Burdick. 1,971,929; Aug. 28.
- Friction device.** J. Whyte. 1,945,245; Jan. 30.
- Friction device for exercisers.** G. E. Schmidt. 1,975,021; Sept. 25.
- Friction draft gear.** R. R. Stevens. 1,947,812; Feb. 20.
- Friction draft gear.** A. F. Stuebing. 1,942,377; Jan. 2.
- Friction draft gear.** H. E. Van Dorn. 1,946,650; Feb. 13.
- Friction element and improving the same.** I. J. Novak. 1,971,163; Aug. 21.
- Friction element and making the same.** S. Collier and R. H. Soulis. 1,967,224; July 24.
- Friction facing and composition of matter.** D. Repony. 1,980,227; Nov. 13.
- Friction for automatic bobbins, Open bottom.** I. Snow. 1,949,192; Feb. 27.
- Friction hinge.** E. M. Meyer. 1,956,040; Apr. 24.
- Friction hinge.** W. J. Sorrow, jr. 1,967,104; July 17.
- Friction joint.** W. Cathcart. 1,967,288; July 24.
- Friction material.** C. T. Begg. 1,952,114; Mar. 27.
- Friction operated mechanism.** P. Barthelemy. 1,963,880; June 19.
- Friction pieces comprising an exuding substance, Treatment of.** A. E. Ricard. 1,961,304; June 5.
- Friction spring.** A. L. Stowell. 1,958,024; May 8.
- Friction transmission.** J. Ehrlich. 1,981,910; Nov. 27.
- Frictional movement transmitting mechanism for straight knitting machines.** C. F. Meyer. 1,971,316; Aug. 21.
- Frit and producing same, Vitreous enamel.** C. J. Kinzie. 1,959,678; May 22.
- Frog, Electrically operated.** J. F. Woolley, jr., and L. J. Long. 1,962,546; June 12.
- Front and winker stay, Combined.** W. J. Eckerle. 1,968,192; July 31.
- Front end construction.** C. H. Kuschel. 1,968,299; July 31.
- Front end construction.** E. S. MacPherson. 1,947,787; Feb. 20.
- Front end construction for rock drills.** J. C. Curtis. 1,968,376; July 31.
- Front end construction for vehicles.** E. S. MacPherson. 1,955,968; Apr. 24.
- Front for automobile radiators, Winter.** M. W. Reeves. 1,958,767; May 15.
- Front for radiators, Auxiliary.** F. B. Herz. 1,985,372; Dec. 25.
- Front for radiocabinets.** J. L. Finnegan. 1,959,266; May 15.
- Froth for sealing volatile liquids.** G. M. Fisher. 1,985,491; Dec. 25.
- Front for traveling bake ovens.** F. C. Haller. Des. 92,904; July 31.
- Front spring for an automobile.** F. B. Bell and D. L. Hubbard. 1,968,631; July 31.
- Frost on refrigerating conduits, Preventing rapid formation of.** G. H. Klippel. 1,964,822; July 3.
- Frostproof water meter.** W. H. Larrabee. 1,972,525; Sept. 4.
- Froth control in ore flotation.** L. M. Barker, O. E. Young, and O. C. Ralston. 1,973,278; Sept. 11.
- Froth flotation.** I. H. Derby and O. D. Cunningham. 1,974,704; Sept. 25.
- Froth flotation.** O. C. Ralston. 1,952,727; Mar. 27.
- Froth flotation of oxidized ores.** G. H. Wigton. 1,974,885; Sept. 25.
- Froth-flotation process.** M. S. Hansen. 1,972,588; Sept. 4.

- Froth or scum on liquids, Suppression of. J. Everett. 1,984,789; Dec. 18.
- Froth production and froth-producing reagent. M. S. Hansen. 1,981,506; Nov. 20.
- Frozen substances, Cutting. H. Ingalls. 1,961,690; June 5.
- Fruit and the like, Method and apparatus for treating. L. E. Jones. 1,957,964; May 8.
- Fruit and vegetable cleaning machine. E. C. Eberts. 1,964,430; June 26.
- Fruit and vegetable packing machine. A. B. Clisson. 1,963,650; June 19.
- Fruit and vegetable press. R. Stoico. 1,943,150; Jan. 9.
- Fruit and vegetable sizer. J. E. and C. W. Kimsey. 1,969,138; Aug. 7.
- Fruit and vegetables, Method of and apparatus for classifying. A. R. Thompson and K. Omsted. 1,943,278; Jan. 9.
- Fruit and vegetables, Packing. J. G. Kuhn. 1,958,516; May 15.
- Fruit cleaner. L. A. Benner and H. F. Moseley. 1,952,619; Mar. 27.
- Fruit cleaning and polishing machine. J. D. Grabill. 1,975,687; Oct. 2.
- Fruit cleaning machine. A. R. Thompson. 1,973,917; Sept. 18.
- Fruit cleaning machine. W. A. Trescott. 1,957,305; May 1.
- Fruit container. E. Peters. 1,944,105; Jan. 16.
- Fruit dicing machine. A. M. Erickson. 1,975,261; Oct. 2.
- Fruit drier. P. A. Minnis. 1,982,116; Nov. 27.
- Fruit dumping method and apparatus. G. A. Turner. 1,945,758; Feb. 6.
- Fruit for packing and sealing in containers, Conditioning. A. E. Stevenson. 1,962,287; June 12.
- Fruit handling machine. D. H. Rosenberg and B. B. Lowry. 1,963,504; June 19.
- Fruit in preparation for market, Coating fresh. M. L. Trowbridge. 1,985,846; Dec. 25.
- Fruit in preparation for market, Protective treatment of fresh. E. M. Brogden. 1,985,239; Dec. 25.
- Fruit in preparation for market, Treatment of fresh. E. M. Brogden. 1,985,238; Dec. 25.
- Fruit in preparation for market, Treatment of fresh. B. C. Skinner. 1,985,842; Dec. 25.
- Fruit in preparation for market, Treatment of insect-infested. B. C. Skinner. 1,947,115; Feb. 13.
- Fruit jar holder. W. I. Burns. 1,954,692; Apr. 10.
- Fruit jar lifter. F. Koch, Jr. 1,945,642; Feb. 6.
- Fruit juice, Apparatus for extracting. S. Estrada, E. Mauri, and A. Ivey. 1,966,978; July 17.
- Fruit juice extractor. H. D. Flegel. 1,958,570; May 15.
- Fruit juice extractor. W. P. Herman. 1,956,288; Apr. 24.
- Fruit juice extractor. W. P. Herman. 1,969,006; Aug. 7.
- Fruit juice extractor. C. E. Jenkins. 1,953,714; Apr. 3.
- Fruit juice extractor. E. S. Johnston. 1,981,554; Nov. 20.
- Fruit juice extractor. E. T. Keenan. 1,982,741-2; Dec. 4.
- Fruit juice extractor. K. Larson. 1,957,346; May 1.
- Fruit juice extractor. J. L. Maull. 1,960,501; May 29.
- Fruit juice extractor. G. J. Orfanos. 1,977,011; Oct. 16.
- Fruit juice extractor. J. W. Puterbaugh. 1,955,975; Apr. 24.
- Fruit juice extractor. C. C. Schiller. 1,965,910; July 10.
- Fruit juice extractor. E. J. Strand. 1,951,219; Mar. 13.
- Fruit juice machine, Citrus. T. D. McCall. 1,985,328; Dec. 25.
- Fruit juices and preserved product, Preservation of citrus. F. Burkart. 1,958,232; May 8.
- Fruit juices, Concentration of. W. L. Clement. 1,965,576; July 10.
- Fruit juices in their natural state, Preserving, Fresh. I. H. Polk. 1,980,695; Nov. 13.
- Fruit juices, Manufacture of unfermentable. S. C. Vandecavey. 1,947,237; Feb. 13.
- Fruit, Method of and apparatus for cleaning. A. O. Moe. 1,983,478; Dec. 4.
- Fruit, Method and apparatus for drying. F. B. Roberts. 1,981,197; Nov. 20.
- Fruit, Method and apparatus for drying. A. R. Thompson. 1,974,128; Sept. 18.
- Fruit or other growing vegetable matter, Treating. L. G. Copeman. 1,955,950; Apr. 24.
- Fruit or the like, Packaging. G. K. S. Ferguson. 1,946,315; Feb. 6.
- Fruit packer. A. E. F. Moore. 1,964,741; July 3.
- Fruit packer. W. D. Wright. 1,951,957; Mar. 20.
- Fruit, Packing. F. P. Wood. 1,962,886; June 12.
- Fruit peel, Preserving. A. W. Stott. 1,980,013; Nov. 6.
- Fruit peeling device. W. Darr. 1,982,193; Nov. 27.
- Fruit peeling, stemming, halving, and trimming methods and apparatus. A. L. Duncan. 1,950,718; Mar. 13.
- Fruit picker. G. E. Melown. 1,968,414; July 31.
- Fruit picking bag. H. B. McClure. 1,979,632; Nov. 6.
- Fruit pitting machine. W. O. Awa and C. Klemme. 1,949,641-2; Mar. 6.
- Fruit pitting machine. R. Chapelle. 1,985,336; Dec. 25.
- Fruit polishing machine. N. Miller. 1,964,766; July 3.
- Fruit, Preserving fresh raw. W. M. Pease. 1,970,865; Aug. 21.
- Fruit, Process and machine for treating citrus. J. R. MacRill and F. H. Walker. 1,970,861; Aug. 21.
- Fruit sizer. W. de Back. 1,984,672; Dec. 18.
- Fruit slicing, coring, or pitting machine. B. N. Mulford. 1,973,260; Sept. 11.
- Fruit-slicing machine. A. M. Erickson. 1,953,595; Apr. 3.
- Fruit slicing machine. A. M. Erickson. 1,959,575; May 22.
- Fruit slicing machine. H. Krum, G. Preall, and J. H. Chambers. Re19,127; Apr. 3.
- Fruit testing apparatus. C. D. Fisher. 1,961,965; June 5.
- Fruit, Treating fresh. J. C. Baker. 1,967,074; July 17.
- Fruit, Washing. F. Stebler. 1,945,922; Feb. 6.
- Fruit washing and drying machine. G. A. Wuest. 1,951,046; Mar. 13.
- Fruit-washing device for table use. C. Sai. 1,956,048; Apr. 24.
- Fruit washing machine. L. E. Jones. 1,983,906; Dec. 11.
- Fruit washing machine. A. E. Petzel. 1,968,503; July 31.
- Fruit washing machine. P. Secondo. 1,964,275; June 26.
- Fruit waxing and polishing machine. F. Stebler. 1,985,555; Dec. 25.
- Fruits and vegetables, Cleaning. E. C. Eberts. 1,964,429; June 26.
- Fruits and vegetables, Method and apparatus for treating. J. V. Rogers. 1,983,403; Dec. 4.
- Fruits, Apparatus facilitating germicidal treatment and washing of. E. J. Goodale. 1,973,062; Sept. 11.
- Fruits, Merchandising preserved. M. Heseltine. 1,942,212; Jan. 2.
- Fruits, vegetables, etc., Preserving. P. H. Craig. 1,981,583; Nov. 20.
- Fuel agglomerates, Producing coked. E. H. Bunce. 1,941,462; Jan. 2.
- Fuel and making same, Self compensated motor. C. Ellis. 1,976,696; Oct. 9.
- Fuel and preparing same, Motor. C. Winning. 1,982,277; Nov. 27.
- Fuel and treating fuels. J. R. Belknap. 1,958,691; May 15.
- Fuel, Antiknock motor. L. Rosenstein. 1,948,449; Feb. 20.
- Fuel, Apparatus for burning liquid. J. C. Korth and G. I. Carter. 1,970,145; Aug. 14.
- Fuel, Apparatus for burning pulverized. O. Craig. 1,951,862; Mar. 20.
- Fuel, Apparatus for the treatment of. A. J. A. Hereng. 1,964,877; July 3.
- Fuel atomizing means. F. Stephan. 1,966,911; July 17.
- Fuel briquette, Forming a. C. B. Wood. 1,977,332; Oct. 16.
- Fuel briquettes, Making. O. von T. Rohn. 1,966,598; July 17.
- Fuel briquettes, Preparing carbonized. H. O. Loebell and A. L. Klees. 1,948,471; Feb. 20.
- Fuel burner. F. T. Agthe and R. C. Newhouse. 1,976,208; Oct. 9.
- Fuel burner. E. G. Bailey. 1,966,195; July 10.
- Fuel burner. W. H. Byrne and C. H. Byers. 1,971,328; Aug. 28.
- Fuel burner. J. O. Colclasure. 1,975,067; Sept. 25.
- Fuel burner. J. A. De Vilbiss. 1,944,408; Jan. 23.
- Fuel burner. F. W. Ellingham. 1,950,787; Mar. 13.
- Fuel burner. V. Gregor. 1,953,853; Apr. 3.
- Fuel burner. C. G. Hawley. 1,969,371; Aug. 7.
- Fuel burner. A. L. Kerr. 1,950,800; Mar. 13.
- Fuel burner. E. Schmidt. 1,983,709; Dec. 11.
- Fuel burner, Finely divided. G. P. Jackson. 1,949,277; Feb. 27.
- Fuel burner, Fluid. R. A. Sharp. 1,976,097; Oct. 9.
- Fuel burner, Liquid. P. R. Johnson. 1,978,904; Oct. 30.
- Fuel burner, Pulverized. M. C. M. Hatch. 1,961,043; May 29.
- Fuel burner, Pulverized. O. Mellott. 1,959,542; May 22.
- Fuel burner, Solid. E. Zimmerman. 1,983,059; Dec. 4.
- Fuel burning apparatus. L. B. Joyner. 1,985,637; Dec. 25.
- Fuel burning apparatus. G. W. McKee. 1,976,080; Oct. 9.
- Fuel burning apparatus, Liquid. W. J. Smith. 1,943,632; Jan. 16.
- Fuel burning apparatus, Operating. R. C. Benner, G. J. Easter, and B. W. Stromberg. 1,955,574; Apr. 17.
- Fuel burning heater, Fluid. S. A. Moss, S. R. Puffer, and W. A. Reeves. 1,963,758; June 19.
- Fuel-burning mechanism, Electrically operated and controlled fluid. W. W. Williams. 1,984,670; Dec. 18.
- Fuel burning system and apparatus, Hydrocarbon. J. J. Jorgensen. 1,971,488; Aug. 28.
- Fuel composition and manufacture. L. F. Hoyt and W. A. Smith. 1,975,755; Oct. 2.
- Fuel composition and producing the same. S. P. Miller. 1,963,589; June 19.
- Fuel conditioning apparatus. F. D. Hoffman. Re19,317; Sept. 18.
- Fuel control apparatus. R. D. Fageol. 1,982,049; Nov. 27.
- Fuel control apparatus, Thermostatically controlled. E. L. Fonseca. 1,975,142; Oct. 2.
- Fuel control device. C. Driest. 1,952,541; Mar. 27.
- Fuel control device, Automatic. E. L. Fonseca. 1,945,109; Jan. 30.
- Fuel control device for internal combustion engines, Electrically operated automatic. W. R. Pulkinghorn. 1,968,653; July 31.
- Fuel control device, Thermostatic. E. L. Fonseca. 1,946,679; Feb. 13.

- Fuel control for boilers, Automatic. A. G. Blanchard. 1,972,757; Sept. 4.
- Fuel control means for ranges. W. C. Lindemann and A. T. Schmidt. 1,972,627; Sept. 4.
- Fuel control system. H. M. Corse. 1,944,068; Jan. 16.
- Fuel control system. J. L. Roth and W. R. Paulsen. 1,961,791; June 5.
- Fuel control system, Gaseous. E. J. Te Pas. 1,956,052; Apr. 24.
- Fuel cut-off, Automatic. C. C. Schorremans. 1,970,475; Aug. 14.
- Fuel delivery device for internal combustion engines. E. Atteslander. 1,952,154; Mar. 27.
- Fuel device. C. I. Justheim. 1,973,711; Sept. 18.
- Fuel distributing mechanism. H. P. Anderson. 1,978,357; Oct. 23.
- Fuel distributing mechanism. W. Clark and S. Hansen. 1,954,774; Apr. 10.
- Fuel distributing system. A. M. Hunt. 1,952,711; Mar. 27.
- Fuel distributing system. J. H. Ichter. 1,946,443; Feb. 6.
- Fuel economizer. W. F. Gerhardt. 1,961,290; June 5.
- Fuel economizer. B. M. Goldoft and J. Roscoe. 1,974,865; Sept. 25.
- Fuel economizer for carburetor engines. G. W. Waldo. 1,955,661; Apr. 17.
- Fuel feed control mechanism. T. H. Filmer. 1,945,850; Feb. 6.
- Fuel-feed device. L. Kletetschka. 1,965,498; July 3.
- Fuel feed mechanism. E. C. Rassbach and O. Baur. 1,967,101; July 17.
- Fuel feed mechanism for underfeed stokers. E. C. Webb. 1,967,693; July 24.
- Fuel feed system. L. E. Gould. 1,968,293; July 31.
- Fuel feeder. O. A. Hartley. 1,959,864; May 22.
- Fuel-feeding apparatus for locomotives. H. Yoerg. 1,947,074; Feb. 13.
- Fuel feeding device. E. A. Rockwell. 1,946,590; Feb. 13.
- Fuel feeding device. E. A. Rockwell. 1,976,518; Oct. 9.
- Fuel feeding device, Impulse. E. A. Rockwell. 1,980,090; Nov. 6.
- Fuel feeding system. J. G. Vincent. 1,941,642; Jan. 2.
- Fuel feeding system for internal combustion engines. E. C. Horton and H. Hueber. 1,981,838; Nov. 20.
- Fuel for electric fires and radiators, Imitation. H. H. Berry. 1,947,672; Feb. 20.
- Fuel for internal combustion engines. J. F. P. de La Riboisiere. 1,982,420; Nov. 27.
- Fuel from acid sludge, Production of. I. Hechenbleikner. 1,953,226; Apr. 3.
- Fuel from hydrocarbon oils, Producing motor. M. L. Chappell. 1,984,519; Dec. 18.
- Fuel gas generator. A. Jagmin. 1,980,802; Nov. 13.
- Fuel handling apparatus, Liquid. T. F. Koestner and G. M. Waldhier. 1,971,787; Aug. 28.
- Fuel heating system, Liquid. N. B. Johnson. 1,969,080; Aug. 7.
- Fuel in blast furnace operations, Utilization of gaseous. E. P. Fleming and A. L. Labbe. 1,964,727; July 3.
- Fuel injection apparatus for internal combustion engines. H. C. Gill. 1,973,146; Sept. 11.
- Fuel injection apparatus, Hydraulic. S. R. Hunter. 1,953,610; Apr. 3.
- Fuel injection device for internal combustion engines. G. A. Bell. 1,943,718; Jan. 16.
- Fuel injection device for internal combustion engines. B. Bischof. 1,956,706; May 1.
- Fuel injection device for internal combustion engines. H. Junkers. Re19,184; May 29.
- Fuel injection device for internal combustion engines. E. Schaeren. 1,968,961; Aug. 7.
- Fuel injection device for internal-combustion engines. R. W. Vigers and E. E. Chatterton. 1,946,339; Feb. 6.
- Fuel injection pump. O. Baur. 1,944,858; Jan. 23.
- Fuel injection pump. G. Baurassik. 1,956,923; May 1.
- Fuel injector. F. C. Mock. 1,952,816; Mar. 27.
- Fuel injector. F. C. Mock. 1,977,005; Oct. 16.
- Fuel injector, Liquid. F. Ritz. 1,982,023; Nov. 27.
- Fuel lubricating and antiknock materials, Motor. G. F. Ruddies. 1,980,097; Nov. 6.
- Fuel, Manufacture of motor. R. E. Burk and H. P. Lankelma. 1,980,380; Nov. 13.
- Fuel mixer. L. J. Sevison. 1,967,330; July 24.
- Fuel-mixing device. H. B. Townsley. 1,951,262; Mar. 13.
- Fuel, Motor. C. W. Hannum. 1,980,200-1; Nov. 13.
- Fuel, Motor. A. O. Jaeger. 1,941,689; Jan. 2.
- Fuel, Motor. L. F. Magness. 1,954,939; Apr. 17.
- Fuel, Nondetonating. P. S. Danner. 1,954,865; Apr. 17.
- Fuel, Nonknocking motor. M. Pier and E. Ringer. 1,979,841; Nov. 6.
- Fuel oil burner. W. H. Clawson. 1,952,236; Mar. 27.
- Fuel oil burner. L. A. Popp. 1,948,394; Feb. 20.
- Fuel oil burner. L. A. Popp. 1,969,423; Aug. 7.
- Fuel oil burner. F. K. Sparling. 1,942,619; Jan. 9.
- Fuel oil charges for oil burning motors, Combusting. H. A. Palmer. 1,956,586; May 1.
- Fuel or carburetor cooler, Liquid. C. H. Kenneweg. 1,953,809; Apr. 3.
- Fuel, Oxidized motor. C. Ellis. 1,973,475; Sept. 11.
- Fuel, Preparing antidetonation motor. E. J. Gohr. 1,954,993; Apr. 17.
- Fuel, Process and apparatus for carbonizing solid. M. M. Brandegee. 1,953,040; Mar. 27.
- Fuel product, Motor. T. H. Rogers and V. Voorhees. 1,970,339; Aug. 14.
- Fuel product, Motor. T. H. Rogers and V. Voorhees. 1,982,267; Nov. 27.
- Fuel product, Motor. T. H. Rogers and V. Voorhees. 1,982,618; Nov. 27.
- Fuel proportioning device for gas engines, Automatic. H. H. Waters. 1,954,968; Apr. 17.
- Fuel pump. L. Coatalen. 1,943,162; Jan. 9.
- Fuel pump. A. Fielden. 1,981,913; Nov. 27.
- Fuel pump. F. Knecht. 1,958,948; May 15.
- Fuel pump. J. M. R. Retel. 1,948,047; Feb. 20.
- Fuel pump. E. A. Rockwell. 1,943,901; Jan. 16.
- Fuel pump. E. A. Rockwell. 1,944,575; Jan. 23.
- Fuel pump. E. A. Rockwell. 1,957,669; May 8.
- Fuel pump. E. A. Rockwell. 1,968,423; July 31.
- Fuel pump. E. A. Rockwell. 1,970,626; Aug. 21.
- Fuel pump. E. A. Rockwell. 1,976,519; Oct. 9.
- Fuel pump. E. A. Rockwell. 1,980,091; Nov. 6.
- Fuel pump. E. A. Rockwell. 1,981,250; Nov. 20.
- Fuel pump. A. A. Sidney. 1,951,215; Mar. 13.
- Fuel pump. E. O. P. Thege and H. G. Camner. 1,953,449; Apr. 3.
- Fuel pump, Engine operated. W. H. Muzzy. 1,965,666; July 10.
- Fuel pump, High pressure injection. J. F. Hermann. 1,981,551; Nov. 20.
- Fuel pumping device. E. A. Rockwell. 1,981,667; Nov. 20.
- Fuel pumping system for internal combustion engines. A. E. Berdon. 1,957,754; May 8.
- Fuel regulator. E. L. Baker. 1,945,390; Jan. 30.
- Fuel regulator. E. L. Baker. 1,969,250; Aug. 7.
- Fuel regulator. A. M. Vedoe. 1,945,387; Jan. 30.
- Fuel saver. J. A. and C. Nelson. 1,958,491; May 15.
- Fuel saver. J. H. Nitka. 1,949,026; Feb. 27.
- Fuel saver for hard coal burners. T. R. O'Brien. 1,977,951; Oct. 23.
- Fuel saving valve. M. Mallory. 1,963,628; June 19.
- Fuel stabilization, Motor. F. B. Downing and H. W. Walker. 1,945,521; Feb. 6.
- Fuel, Stabilized motor. F. B. Downing, R. G. Clarkson, and C. G. Wolff. 1,957,134; May 1.
- Fuel such as coal and the like, Apparatus for treating pulverized. F. L. Dornbrook and M. K. Drewry. 1,954,350; Apr. 10.
- Fuel such as coal and the like, Apparatus for treating pulverized. F. L. Dornbrook and M. K. Drewry. 1,954,352; Apr. 10.
- Fuel supplied to the injector nozzles of internal combustion engines, Filtering the. L. Schargorodsky. 1,964,218; June 26.
- Fuel supply control apparatus. A. Gorretta. 1,977,336; Oct. 16.
- Fuel supply in Diesel motors and the like. J. C. Hansen-Ellehammer. 1,964,796; July 3.
- Fuel supply means, Engine. A. Rosner. 1,963,384; June 19.
- Fuel supply means for oil engines. C. L. Reed. 1,970,866; Aug. 21.
- Fuel supply of internal combustion engines, Device for controlling the. L. D. Viel. 1,955,037; Apr. 17.
- Fuel supply system. J. C. Chapple. 1,952,420; Mar. 27.
- Fuel supply system. G. F. Nolte. 1,952,510; Mar. 27.
- Fuel supply system for internal combustion engines. A. Boudains. 1,952,964; Mar. 27.
- Fuel support for gas generators and other combustion apparatus. F. W. Steere. 1,984,045; Dec. 11.
- Fuel system for motor vehicle engines. H. Hueber and E. C. Horton. 1,981,841; Nov. 20.
- Fuel tank lock. F. E. Schneider. 1,968,506; July 31.
- Fuel to an internal combustion motor, Method of and system for supplying. D. E. Day and G. L. Holzapfel. 1,973,142; Sept. 11.
- Fuel to internal combustion engines, System for supplying. H. A. Palmer. 1,967,970; July 24.
- Fuel, Treating. S. Buka. 1,979,730; Nov. 6.
- Fuel, Treatment of motor. P. I. Murrill. 1,947,219; Feb. 15.
- Fuel valve. C. W. Thornhill. 1,984,444; Dec. 18.
- Fuel vapor and air mixer. P. Ruffino. 1,942,187; Jan. 2.
- Fuel vaporizer and carburetor. C. H. Long. 1,970,010; Aug. 14.
- Fuel vaporizing device. C. Bugaud. 1,969,202; Aug. 7.
- Fuel vaporizing device for gasoline engines. C. D. Turner. 1,959,397; May 22.
- Fuel, Vaporizing liquid. A. H. Masters. 1,959,031; May 15.
- Fueling arrangement for pyrophoric lighters. L. V. Aronson. 1,961,577; June 5.
- Fueling for internal combustion engines, Auxiliary. D. Grabbe. 1,970,425; Aug. 14.
- Fueling system. C. I. Justheim and J. C. Stafford. 1,973,713; Sept. 18.
- Fueling system, Atmospherically controlled. C. I. Justheim. 1,982,107; Nov. 27.
- Fuels and lubricants from heavy hydrocarbons by the action of hydrogen, Simultaneously producing high grade motor. R. T. Haslam. 1,944,236; Jan. 23.
- Fuels and product derived therefrom or other materials into valuable liquids, Conversion of solid. C. Krauch and M. Pier. 1,983,234; Dec. 4.
- Fuels, Apparatus for burning certain. F. J. Postel. 1,955,472; Apr. 17.
- Fuels from heavier hydrocarbons, Producing highly refined motor. J. M. Jennings. 1,955,297; Apr. 17.
- Fuels, Generating gaseous. J. M. F. Soelberg. 1,974,125; Sept. 18.

- Fuels, Making antiknock motor.** V. Voorhees. 1,951,780; Mar. 20.
- Fuels, Method of and apparatus for the treatment and use of liquid.** E. A. Burrows. 1,941,968; Jan. 2.
- Fuels of low heat value, Enriching and burning gaseous.** W. Mathesius. 1,958,671; May 15.
- Fuels, Production of motor.** W. J. Edmonds. 1,960,206; May 22.
- Fuels, Recovering blended.** R. Carter. 1,978,984; Oct. 30.
- Fuels, Reducing discoloration of motor.** W. A. Schulze and F. E. Frey. 1,950,697; Mar. 13.
- Fuming machine.** D. Gessner. 1,977,579; Oct. 16.
- Fume hood.** H. F. Buckel. 1,972,917; Sept. 11.
- Fume hood, Dual draft.** J. M. Liptay. 1,968,532; July 31.
- Fumigating.** G. P. Gray. 1,967,304; July 24.
- Fumigating compound and fumigating.** K. F. Cooper. 1,967,290; July 24.
- Fungicide.** W. S. Calcott and M. O. Foreman. 1,985,597; Dec. 25.
- Fungicide.** M. C. Goldsworthy. 1,954,171; Apr. 10.
- Fungicide.** M. C. Goldsworthy. 1,958,102; May 8.
- Fungicides and bactericides.** E. B. Alvord. 1,962,109; June 5.
- Funnel.** L. Green. 1,942,282; Jan. 2.
- Funnel for containers, Dispensing.** A. L. Kronquest. 1,966,350; July 10.
- Funnel guide and making it.** G. Borneman. 1,948,560; Feb. 27.
- Fur machine.** F. W. Horstmann. 1,952,254; Mar. 27.
- Fur, Making imitation astrachan.** G. Romane. 1,950,416; Mar. 13.
- Fur scraping and fleshing apparatus.** M. G. Hodgeoff and I. Reiffel. 1,951,016; Mar. 13.
- Furskins, animal hair fibers, and the like, Treatment of animal.** G. Levy. 1,978,800; Oct. 30.
- Fur treating composition and process.** W. C. Mercier. 1,955,678; Apr. 17.
- Furrier's art.** P. Holman. 1,942,425; Jan. 9.
- Furs, Dressing and treating.** O. F. Muller. 1,952,137; Mar. 27.
- Furfural, Manufacture of.** B. S. Groth and G. H. Blomqvist. 1,960,812; May 29.
- Furfural, Producing.** B. S. Groth and G. H. Blomqvist. 1,946,688; Feb. 13.
- Furfural, Production of.** G. H. Blomqvist and B. S. Groth. 1,946,667; Feb. 13.
- Furfuryl xanthate and making it.** C. H. Keller. 1,969,269; Aug. 7.
- Furnace: See—**
- Air-conditioning furnace.
 - Annealing furnace.
 - Automatic furnace.
 - Boiler furnace.
 - Clay burning furnace.
 - Coal dust furnace.
 - Combustion furnace.
 - Confectioner's melting furnace.
 - Continuous furnace.
 - Cremation furnace.
 - Electric furnace.
 - Electric heating furnace.
 - Electric induction furnace.
 - Electric muffle furnace.
 - Electric resistance furnace.
 - Electrical furnace.
 - Forced draft furnace.
 - Forging furnace.
 - Gas burning furnace.
 - Gas furnace.
 - Gas producer and other furnace.
 - Glass furnace.
 - Glass melting furnace.
 - Heat treating furnace.
 - Heating furnace.
 - Hot air furnace.
 - Incinerator furnace.
 - Induction electric furnace.
 - Induction furnace.
 - Induction heated furnace.
 - Melting furnace.
 - Metallurgical furnace.
 - Oxidizing furnace.
 - Pulverized fuel furnace.
 - Refuse burning furnace.
 - Refuse destructor furnace.
 - Regenerative furnace.
 - Rotary tube furnace.
 - Stoker furnace.
 - Vertical shaft furnace.
 - Warm air furnace.
- Furnace.** E. W. Ballentine. 1,955,483; Apr. 17.
- Furnace.** H. Blackburn. 1,979,139; Oct. 30.
- Furnace.** C. Bollinger. 1,966,482; July 17.
- Furnace.** W. D. Burton and E. M. May. 1,953,335; Apr. 3.
- Furnace.** T. G. Coghlan and E. A. Johnsen. 1,943,949; Jan. 16.
- Furnace.** P. B. Crocker. 1,962,482; June 12.
- Furnace.** S. M. Finn. 1,968,934; Aug. 7.
- Furnace.** R. S. Godard. 1,943,957; Jan. 16.
- Furnace.** H. G. Gregory and G. P. Ward. 1,952,010; Mar. 20.
- Furnace.** O. S. Haskell. 1,976,557; Oct. 9.
- Furnace.** R. O. Hoffman. 1,976,883; Oct. 16.
- Furnace.** G. Hofmann. 1,948,214; Feb. 20.
- Furnace.** C. L. Ipsen. 1,979,108; Oct. 30.
- Furnace.** C. L. Ipsen and R. E. Cox. 1,963,846; June 19.
- Furnace.** J. H. Jennings. 1,961,766; June 5.
- Furnace.** L. R. Johnson. 1,943,537; Jan. 16.
- Furnace.** O. Kelly. 1,945,224-5; Jan. 30.
- Furnace.** I. Langmuir. 1,952,927; Mar. 27.
- Furnace.** J. L. McFarland. 1,967,098; July 17.
- Furnace.** G. W. McKee. 1,949,726; Mar. 6.
- Furnace.** W. K. Rankin. 1,980,825; Nov. 13.
- Furnace.** E. R. Reeves. 1,952,023; Mar. 20.
- Furnace.** W. Ryan. 1,984,157; Dec. 11.
- Furnace.** C. C. Simeral and A. Drill. 1,977,651; Oct. 23.
- Furnace.** H. Singer. 1,979,083; Oct. 30.
- Furnace.** H. W. Soward. 1,953,570; Apr. 3.
- Furnace.** R. M. Spencer. 1,974,143; Sept. 18.
- Furnace.** J. F. O. Stratton. 1,970,109; Aug. 14.
- Furnace.** T. C. Toomey. 1,970,585; Aug. 21.
- Furnace.** E. L. Torrey. 1,981,378; Nov. 20.
- Furnace.** J. C. White. 1,957,921; May 8.
- Furnace and heating and ventilating system.** F. A. Headson. 1,974,652; Sept. 25.
- Furnace and kiln and their operation.** R. W. P. Horn and E. Ashton. 1,960,413; May 29.
- Furnace and method of combustion, Pulverized fuel.** J. G. Coutant. 1,947,460; Feb. 20.
- Furnace and method of operating.** F. H. Daniels. 1,942,687; Jan. 9.
- Furnace and operating the same, Heating.** G. A. Merkt. 1,972,053; Aug. 28.
- Furnace and process, Pyro-electric metallurgical.** G. F. Weaton. 1,967,274; July 24.
- Furnace and regenerator construction therefor.** C. F. Ryan. 1,961,510; June 5.
- Furnace apparatus, Blast.** J. B. Henry. 1,962,593; June 12.
- Furnace charger.** E. C. Reilly and H. D. Pennington. 1,984,032; Dec. 11.
- Furnace charging apparatus.** S. M. Jenks. 1,951,092; Mar. 13.
- Furnace construction.** G. W. Davey. 1,943,756; Jan. 16.
- Furnace construction.** R. C. Denny. 1,957,098; May 1.
- Furnace construction.** K. B. Faulkner. 1,955,956; Apr. 24.
- Furnace construction.** G. M. Keranen. 1,973,533; Sept. 11.
- Furnace construction.** J. J. Ward. 1,968,186; July 31.
- Furnace control.** R. W. Stem. 1,981,679; Nov. 20.
- Furnace control system.** G. W. Bailey. 1,956,608; May 1.
- Furnace conveyer.** O. K. Carpenter, W. E. Griffith, and P. S. Menough. 1,944,217; Jan. 23.
- Furnace-door frame.** R. J. Schade. 1,946,295; Feb. 6.
- Furnace fan bearing.** O. P. Nystrom. 1,975,612; Oct. 2.
- Furnace flue cleaner.** A. H. Krueger. 1,974,029; Sept. 18.
- Furnace for annealing metal sheets by a continuous process.** E. Griffiths. 1,944,974; Jan. 30.
- Furnace for bands and wires, Heating.** E. F. Russ. 1,956,401; Apr. 24.
- Furnace for burning bagasse.** A. L. Adams. 1,952,227; Mar. 27.
- Furnace for burning wet material.** R. M. Hardgrove and M. D. Jones. 1,973,705; Sept. 18.
- Furnace for desulphurizing ores in a fine or dust like condition, Rotary tube.** H. Klencke. 1,977,767; Oct. 23.
- Furnace for heat treatment of small articles.** C. I. Hayes. 1,960,219; May 22.
- Furnace for heating metal wire.** M. Tomura. 1,967,520; July 24.
- Furnace for metal working.** J. Schmeller, sr. 1,952,145; Mar. 27.
- Furnace for the production of metal sponge.** F. Johannsen and A. Leysner. 1,968,946; Aug. 7.
- Furnace for treating pulverized ore with gas, Rotary.** O. and J. B. Stålhane. 1,959,772; May 22.
- Furnace forehearth, Apparatus and process for heating glass.** J. Ferguson. 1,979,610; Nov. 6.
- Furnace grate.** H. B. Holt. 1,963,789; June 19.
- Furnace having water-cooled grate.** F. E. Stoller. 1,962,791; June 12.
- Furnace heat regulator.** P. C. and W. P. Timm. 1,980,836; Nov. 13.
- Furnace heating element, Warm air.** W. W. Williams. Des. 92,441; June 5.
- Furnace jacket construction.** O. P. Nystrom and M. de Lin. 1,975,613; Oct. 2.
- Furnace lining.** G. F. Doyle and T. Kauffman, jr. 1,978,077; Oct. 23.
- Furnace linings, Fixing.** J. Johnstone. 1,942,863; Jan. 9.
- Furnace method, Electric.** P. L. J. Miguet and M. P. Peron. 1,944,521; Jan. 23.
- Furnace operation, Open hearth.** Q. Bent, E. F. Entwisle, and V. J. Pazzetti. 1,983,927; Dec. 11.
- Furnace operation, Open hearth.** F. E. Leahy. 1,955,589; Apr. 17.
- Furnace operation, Phosphorus.** R. Weigel. 1,952,004; Mar. 20.
- Furnace or other apparatus, Tilting a.** G. E. Taylor and L. E. Thompson. 1,943,494; Jan. 16.
- Furnace oscillating apparatus.** A. F. Case. 1,972,868; Sept. 11.
- Furnace outlet box and register.** R. Klomparsens. 1,961,497; June 5.
- Furnace peep sight.** W. H. Jacobi. 1,973,171; Sept. 11.
- Furnace refractory, Removable.** A. Macchi. 1,957,220; May 1.
- Furnace regulation.** C. H. Smoot. 1,964,774; July 3.
- Furnace regulator.** W. E. Johnston. 1,968,150; July 31.
- Furnace regulator.** D. M. Murdoch. 1,956,297; Apr. 24.
- Furnace retort cleaning machine.** T. P. Morrison. 1,970,053; Aug. 14.
- Furnace structure.** O. J. Kuenhold. 1,984,933; Dec. 18.
- Furnace structure.** L. S. Longenecker. 1,977,799; Oct. 23.
- Furnace structure.** E. L. Watson. 1,955,990; Apr. 24.
- Furnace structure.** G. F. Weaton. 1,970,209; Aug. 14.
- Furnace structure.** D. Willcox. 1,963,481; June 19.
- Furnace system, Electric.** E. F. Christensen. 1,956,412; Apr. 24.
- Furnace tuyère.** J. S. Bennett. 1,958,842; May 15.
- Furnace wall.** E. G. Bailey. 1,982,623; Dec. 4.
- Furnace wall.** F. B. Bigelow. 1,967,281; July 24.
- Furnace wall.** W. F. Keenan. 1,972,593; Sept. 4.
- Furnace wall.** J. M. Lamble. 1,946,083; Feb. 6.

- Furnace wall. C. E. Lucke. 1,972,100; Sept. 4.
 Furnace wall. O. Nygaard. 1,948,798; Feb. 27.
 Furnace wall. O. Nygaard. 1,968,615; July 31.
 Furnace wall. D. W. Ross and J. M. Lambie. 1,970,944; Aug. 21.
 Furnace wall. B. H. Snow. 1,955,700; Apr. 17.
 Furnace wall. T. C. Toomey. 1,949,638; Mar. 6.
 Furnace wall and supporting bracket therefor, Lined. F. Guertin. 1,975,146; Oct. 2.
 Furnace wall, Cooled. T. N. Wynne and A. E. Klingensmith. 1,955,996; Apr. 24.
 Furnace wall, Refractory. P. W. Antill. 1,972,838; Sept. 4.
 Furnace wall structure. W. F. Keenan, jr., and W. H. Hardie. 1,981,648; Nov. 20.
 Furnace wall, Water cooled. O. Mygaard. 1,944,569; Jan. 23.
 Furnace with heat recirculating means, Heated. T. Lydon. 1,950,006; Mar. 6.
 Furnaces, Apparatus for feeding batch to glass melting. E. O. Hiller. 1,941,897; Jan. 2.
 Furnaces, Apparatus for the control of blast. P. Zimmerman. 1,968,548; July 31.
 Furnaces, Firing. W. Trinks. 1,964,544; June 26.
 Furnaces, Method and apparatus for operating. S. A. Porter. 1,944,074; Jan. 16.
 Furnaces, Operating electric high-frequency. L. Dreyfus and A. Garde. 1,981,994; Nov. 27.
 Furnaces, Operating high frequency. W. Fischer. 1,948,704; Feb. 27.
 Furnaces, Operating open hearth. A. J. Boynton. 1,942,682; Jan. 9.
 Furnaces, Operating smelting. M. Fränkl. 1,974,772; Sept. 25.
 Furniture. H. Alpers. 1,956,483; Apr. 24.
 Furniture. L. Boothe. 1,963,347; June 19.
 Furniture. W. R. McGowen. 1,942,301-2; Jan. 2.
 Furniture. W. R. McGowen. 1,952,768; Mar. 27.
 Furniture. D. W. Paul. 1,976,140; Oct. 9.
 Furniture. I. Salomon. 1,955,203; Apr. 17.
 Furniture. S. H. Watkins. 1,953,451; Apr. 3.
 Furniture, Article of. H. W. Davis. 1,942,856; Jan. 9.
 Furniture, Article of. C. E. Friesner. 1,959,860; May 22.
 Furniture base. G. J. Pike. Des. 92,554; June 19.
 Furniture, Combination. J. C. Tridle. 1,942,623; Jan. 9.
 Furniture, Combination. J. P. Walters. 1,984,506; Dec. 18.
 Furniture construction. C. H. Laun. 1,948,724; Feb. 27.
 Furniture construction. T. W. Ross. 1,946,917; Feb. 13.
 Furniture construction, Insulated. E. Ohnstrand. 1,944,263; Jan. 23.
 Furniture, Convertible. F. D. Schneider. 1,961,457; June 5.
 Furniture drawer support, Wood. J. Tillotson, jr. 1,944,477; Jan. 23.
 Furniture fitted with drawers. G. A. Knox. 1,959,761; May 22.
 Furniture glide. E. W. North. 1,954,458; Apr. 10.
 Furniture, Knock-down leg for. G. H. Rundle. 1,942,003; Jan. 2.
 Furniture leg. G. J. Pike. Des. 92,556; June 19.
 Furniture leg, Folding. W. M. Boenning. 1,970,220; Aug. 14.
 Furniture leg or the like. R. T. Campbell. Des. 93,760; Nov. 6.
 Furniture leg shoe. R. E. Miller. 1,952,602; Mar. 27.
 Furniture, Metal. J. P. Kiesecker. Re19,112; Mar. 13.
 Furniture, Metal. J. P. Kiesecker. 1,953,613; Apr. 3.
 Furniture, Metal. L. A. Vanderhoof. 1,958,686; May 15.
 Furniture of the folding type, Article of. C. J. Symmonds. 1,980,450; Nov. 13.
 Furniture, Office. F. O. Peterson. 1,949,326; Feb. 27.
 Furniture pedestal base. A. R. Schwarzkopf. Des. 93,051; Aug. 14.
 Furniture post. J. C. Garver. Des. 91,815; Mar. 27.
 Furniture, School. F. G. Yawman. 1,970,874; Aug. 21.
 Furniture seat construction. L. A. Suekoff. 1,953,276; Apr. 3.
 Furniture, Sitting and hesting. A. Lorenz. 1,978,024; Oct. 23.
 Furniture slide. S. Higgins. 1,954,130; Apr. 10.
 Furniture slip cover. J. Levi. 1,942,111; Jan. 2.
 Furniture, Spring base. L. Larsen. Re19,141; Apr. 17.
 Furniture-tubing, Metal. C. A. Stuart. Des. 91,692; Mar. 6.
 Furring strips to cement building blocks, Attaching. J. L. Crawford. 1,980,982; Nov. 20.
 Furrow width controller hitch, Adjustable. H. N. Wright. 1,960,132; May 22.
 Fuse. E. Adams and S. W. Blaklee. 1,945,672; Feb. 6.
 Fuse. F. W. Bold. 1,946,668; Feb. 13.
 Fuse. C. H. Gunthorp. 1,968,642; July 31.
 Fuse. J. H. Hanson and W. E. Underwood. 1,968,763; July 31.
 Fuse. J. L. Johnson and M. Geisler. 1,948,421; Feb. 20.
 Fuse. E. F. Kelfer. 1,985,350; Dec. 25.
 Fuse. I. Korn. 1,958,194; May 8.
 Fuse. C. E. O. Kriegstedt. 1,957,345; May 1.
 Fuse. C. Ringwald. Re19,097; Feb. 27.
 Fuse. W. O. Schultz. 1,949,186; Feb. 27.
 Fuse. R. L. Smythe. 1,967,543; July 24.
 Fuse. A. G. Steinmayer. 1,952,635; Mar. 27.
 Fuse. A. G. Steinmayer and W. D. Kyle. 1,979,418; Nov. 6.
 Fuse. J. F. Tritle. 1,950,199; Mar. 6.
 Fuse, All-way. J. M. King. 1,962,149; June 12.
 Fuse and fuse receptacle, Electric. M. B. Wood. 1,956,337; Apr. 24.
 Fuse and mounting therefor. L. L. Glezen and S. P. Shackleton. 1,947,588; Feb. 20.
 Fuse and renewable element therefor. P. Cote. 1,953,011; Mar. 27.
 Fuse block. H. J. L. Frank. 1,965,410; July 3.
 Fuse box, Disconnect type. A. L. Van Emden. 1,957,480; May 8.
 Fuse box of pyrex. A. G. Steinmayer. 1,954,186; Apr. 10.
 Fuse cartridge. F. Brandt. 1,974,257; Sept. 18.
 Fuse clamp. J. E. Carlson. 1,946,898; Feb. 13.
 Fuse clip. J. G. Jackson and W. T. Allen. 1,953,807; Apr. 3.
 Fuse clip, Pressure contact. J. G. Jackson. 1,950,557; Mar. 13.
 Fuse, Combination high tension switch. T. E. Murray, jr. 1,954,220; Apr. 10.
 Fuse construction. A. G. Steinmayer. 1,953,136; Apr. 3.
 Fuse construction, Low-capacity. E. V. Sundt. 1,946,553; Feb. 13.
 Fuse, cut-out, and adapter. C. W. Cowles. 1,969,257; Aug. 7.
 Fuse device. J. Lofgren. 1,968,213; July 31.
 Fuse device, Electric. J. A. Ten Brook. 1,952,734; Mar. 27.
 Fuse disconnecting switch, Multiple. R. R. Pittman and C. H. Walsh. 1,965,391; July 3.
 Fuse, Electric. A. J. Bowie. 1,954,037; Apr. 10.
 Fuse, Electric. T. C. Crimmins. 1,952,058; Mar. 27.
 Fuse, Electric. T. W. Kirkman. 1,981,599; Nov. 20.
 Fuse, Electric. F. C. La Mar. 1,958,366; May 8.
 Fuse, Electric. B. K. Smith. 1,945,539-41; Feb. 6.
 Fuse, Electric. S. J. Spurgeon and M. B. McClure. 1,984,498; Dec. 18.
 Fuse, Electric. W. A. Stoehr. 1,982,032; Nov. 27.
 Fuse, Electric. C. D. Thompson. 1,956,839; May 1.
 Fuse, Expulsion. B. R. Hermann. 1,962,654; June 12.
 Fuse, Expulsion. J. Sandin. 1,944,762; Jan. 23.
 Fuse for aeroplane defense projectiles. H. Junghans. 1,969,222; Aug. 7.
 Fuse for bombs. D. L. Woodberry. 1,959,401; May 22.
 Fuse for furnaces and the like, Protective. P. H. Clark. 1,979,098; Oct. 30.
 Fuse for projectiles. N. E. Methlin. 1,956,222; Apr. 24.
 Fuse for projectiles. N. E. Methlin. 1,956,223; Apr. 24.
 Fuse for projectiles. A. F. Teitscheid. 1,955,779; Apr. 24.
 Fuse for projectiles. A. F. Teitscheid. 1,975,809; Oct. 9.
 Fuse for projectiles. H. H. Zornig. 1,973,738; Sept. 18.
 Fuse for projectiles, Self-retarding mechanical percussion. A. Varaud. 1,943,706; Jan. 16.
 Fuse for projectiles, Time. A. Varaud. 1,984,098; Dec. 11.
 Fuse for shells. H. E. Nash. 1,949,841; Mar. 6.
 Fuse, High potential. G. L. Hill. 1,965,239; July 3.
 Fuse, High power. A. P. Strom and H. L. Rawlins. 1,971,836; Aug. 28.
 Fuse, High tension electric. L. H. Hoffer. 1,953,348; Apr. 3.
 Fuse, High voltage. G. B. Mangan. 1,955,138; Apr. 17.
 Fuse, High voltage. J. Slepian. 1,958,904; May 15.
 Fuse, High voltage expulsion. J. W. Huffstutter. 1,971,819; Aug. 28.
 Fuse holder. W. C. Edwards. 1,969,301; Aug. 7.
 Fuse, Indicating electric. I. Yelen. 1,958,099; May 8.
 Fuse, Indicating plug. F. C. La Mar. 1,951,307; Mar. 13.
 Fuse, Indicating plug. F. C. La Mar. 1,951,309; Mar. 13.
 Fuse, Indicating plug. F. C. La Mar. 1,957,546; May 8.
 Fuse integrity indicator. F. C. La Mar. 1,951,308; Mar. 13.
 Fuse integrity indicator. F. C. La Mar. 1,951,310; Mar. 13.
 Fuse link. L. P. Boll. 1,964,450; June 26.
 Fuse link. A. G. Steinmayer. 1,973,120; Sept. 11.
 Fuse, Liquid. R. H. Earle. 1,980,476; Nov. 13.
 Fuse, Liquid. A. G. Steinmayer. 1,970,634; Aug. 21.
 Fuse, Mechanical time. A. Varaud. 1,944,623; Jan. 23.
 Fuse, Mechanical time. A. Varaud. 1,979,426; Nov. 6.
 Fuse mechanism for projectiles. A. Varaud. 1,959,604; May 22.
 Fuse mechanism for projectiles. A. Varaud. 1,970,206; Aug. 14.
 Fuse mechanism for projectiles. A. Varaud. 1,970,207; Aug. 14.
 Fuse, Multiple. M. Lipsey. 1,981,735; Nov. 20.
 Fuse of high sensitivity, Percussion. E. W. Brandt. 1,944,780; Jan. 23.
 Fuse, Oil. A. G. Steinmayer and W. O. Schultz. 1,972,958; Sept. 11.
 Fuse, Oil. A. G. Steinmayer and W. O. Schultz. 1,980,506; Nov. 13.
 Fuse panel. C. A. Good. 1,965,099; July 3.
 Fuse plug. C. Peckerman. 1,976,510; Oct. 9.
 Fuse, Plug. J. G. Riesman. 1,982,693; Dec. 4.
 Fuse plug. H. A. Sowka. 1,973,396; Sept. 11.
 Fuse, Plug. N. M. Stephenson. 1,979,715; Nov. 6.
 Fuse plug. G. R. Trumbull. 1,982,584; Nov. 27.
 Fuse plug. T. Wold. 1,984,954; Dec. 18.
 Fuse plug adapter. A. Machenheimer. 1,942,178; Jan. 2.
 Fuse plug, Attachment. L. R. McNamara. 1,959,211; May 15.
 Fuse plug, Electric. S. Quisling. 1,983,993; Dec. 11.
 Fuse plug for electric light switch boxes. H. A. Peterson. 1,952,279; Mar. 27.

- Fuse plug, Multiple. K. A. Ferry and E. L. Blakeslee. 1,957,137; May 1.
- Fuse plug, Multiple. C. I. Justheim. 1,965,768; July 10.
- Fuse plug, Multiple. A. Pfeiffer. 1,959,250; May 15.
- Fuse plug, Multiple glass top. C. I. Justheim. 1,949,016; Feb. 27.
- Fuse powder for metal delay. J. Piccard. 1,971,502; Aug. 28.
- Fuse receptacle. G. E. Wadsworth. 1,952,151; Mar. 27.
- Fuse, Renewable. D. Miller. 1,972,569; Sept. 4.
- Fuse, Renewable. A. Naher. 1,974,119; Sept. 18.
- Fuse-setting machine. A. Dabrasky. 1,946,487; Feb. 13.
- Fuse structure. W. D. Kyle. 1,983,859; Dec. 11.
- Fuse switch. T. B. Bash. 1,942,634; Jan. 9.
- Fuse switch. T. Birkenmaier. 1,962,922; June 12.
- Fuse switch. A. G. Miller. 1,959,595; May 22.
- Fuse, Thermal. H. Kershaw. 1,960,495; May 29.
- Fuse, Thermal. L. V. Lucia. 1,974,923; Sept. 25.
- Fuse, Thermal electric. F. C. La Mar. 1,958,567; May 8.
- Fuse units, Refillable multiple. W. A. Starck. 1,974,694; Sept. 25.
- Fused electric connector. F. C. Kollath. 1,970,144; Aug. 14.
- Fuses of projectiles, Apparatus for timing mechanical. A. Vraud. 1,974,523; Sept. 25.
- Fusible blow-out plug. L. O. Thompson. 1,948,056; Feb. 20.
- Fusing method and clip in the manufacture of fused multifocal lens blanks. G. A. Clement. 1,978,896; Oct. 30.
- Fusion welding, Apparatus and method for. J. L. Anderson. 1,979,243; Nov. 6.
- Fuselage joint. F. E. Loudy. 1,946,408; Feb. 6.
- Gas operating device. J. S. Richardson. 1,963,313; June 19.
- Gain control. D. F. Whiting. 1,973,453; Sept. 11.
- Gain control, Automatic. W. S. Barden. 1,974,909; Sept. 25.
- Gain control system, Automatic. P. O. Farnham. 1,953,553; Apr. 3.
- Galley mechanism for typographical line-casting machines. W. F. Gorse and R. H. Scott. 1,952,797; Mar. 27.
- Galvanic cell and caustic electrolyte therefor. G. W. Helse and C. W. Brokate. 1,954,410; Apr. 10.
- Galvanic cells, Manufacture of. A. Heilbrunn. 1,984,926; Dec. 18.
- Galvanizing apparatus. M. L. Hunker and J. M. Miller. 1,971,221; Aug. 21.
- Galvanizing, Continuous. J. L. Schueler. Re19,209; June 12.
- Galvanizing machine. M. L. Hunker. 1,971,220; Aug. 21.
- Galvanizing machine. F. W. Thompson. 1,963,106; June 19.
- Galvanometer, Vibrating. W. G. Green. 1,981,266; Nov. 20.
- Game. A. A. Abrams. 1,957,748; May 8.
- Game. H. G. Badgerow. 1,958,358; May 8.
- Game. J. A. Barry. 1,945,798; Feb. 6.
- Game. P. D. Brown. 1,982,633; Dec. 4.
- Game. R. C. David. 1,958,567; May 15.
- Game. C. C. De Pew. 1,947,125; Feb. 13.
- Game. E. C. Fohmann. 1,942,280; Jan. 2.
- Game. J. C. Forkner. 1,976,065; Oct. 9.
- Game. O. W. Gustavson. 1,944,317; Jan. 23.
- Game. L. W. Harris. 1,977,772; Feb. 20.
- Game. J. T. Hartnett. 1,982,611; Nov. 27.
- Game. E. Lazar. 1,951,056; Mar. 13.
- Game. A. F. Livingston. 1,956,193; Apr. 24.
- Game. O. E. Martinson. 1,961,155; June 5.
- Game. B. O. Mattson. 1,970,466; Aug. 14.
- Game. M. D. Maynard. 1,983,044; Dec. 4.
- Game. J. A. Obenchain. 1,949,941; Mar. 6.
- Game. J. Pressman. 1,979,345; Nov. 6.
- Game. L. Prisciantelli. 1,970,249; Aug. 14.
- Game. E. Pritzkow. 1,953,631; Apr. 3.
- Game. N. Robin. 1,977,894; Oct. 23.
- Game. E. Schultz. 1,943,697; Jan. 16.
- Game. R. Wade. 1,952,187; Mar. 27.
- Game. B. F. Wupper. 1,979,431; Nov. 6.
- Game apparatus. H. Amsden. 1,967,217; July 24.
- Game apparatus. W. H. Bellah. 1,985,736; Dec. 25.
- Game apparatus. J. P. Boggess. 1,970,731; Aug. 21.
- Game apparatus. H. G. Breitenstein. Des. 92,330; May 29.
- Game apparatus. H. G. Breitenstein. Des. 92,448; June 12.
- Game apparatus. H. G. Breitenstein. Des. 93,199; Sept. 4.
- Game apparatus. H. G. Breitenstein. Des. 93,536; Oct. 9.
- Game apparatus. W. E. Brumblow. 1,962,680; June 12.
- Game apparatus. C. H. Buckler. 1,950,221; Mar. 6.
- Game apparatus. L. Calaluca. 1,971,295; Aug. 21.
- Game apparatus. T. J. Dixon. 1,946,616; Feb. 13.
- Game apparatus. B. F. Finn. 1,979,459; Nov. 6.
- Game apparatus. L. W. Gensburg. Des. 94,024; Dec. 11.
- Game apparatus. D. Gottlieb. Des. 93,767; Nov. 6.
- Game apparatus. G. R. Hannan and I. P. Simonsen. 1,954,700; Apr. 10.
- Game apparatus. J. F. and M. Inman. 1,952,624; Mar. 27.
- Game apparatus. L. M. Jonas. 1,975,724; Oct. 2.
- Game apparatus. C. R. Kirk. 1,973,814; Sept. 18.
- Game apparatus. C. R. Kirk and E. E. Collison. 1,973,815; Sept. 18.
- Game apparatus. W. J. Knox. 1,953,810; Apr. 3.
- Game apparatus. H. Kohirogawa. 1,960,113; May 22.
- Game apparatus. B. Macdougall. 1,983,811; Dec. 11.
- Game apparatus. J. Mankinen. 1,977,519; Oct. 16.
- Game apparatus. R. I. Mayorga. 1,943,685; Jan. 16.
- Game apparatus. G. H. Miner. Des. 93,566; Oct. 9.
- Game apparatus. J. W. Muench. 1,974,782; Sept. 25.
- Game apparatus. J. S. Nicholas. 1,942,932; Jan. 9.
- Game apparatus. C. A. Olsen and L. L. Schmidt. 1,946,232; Feb. 6.
- Game apparatus. H. L. Roberts. 1,955,344; Apr. 17.
- Game apparatus. D. C. Rockola. 1,949,488; Mar. 6.
- Game apparatus. D. C. Rockola. 1,975,374; Oct. 2.
- Game apparatus. D. Skolnik. 1,961,014; May 29.
- Game apparatus. G. Smith. Des. 94,056; Dec. 11.
- Game apparatus. R. Smith. 1,941,630; Jan. 2.
- Game apparatus. C. A. Toce and G. D. Fleak. 1,945,873; Feb. 6.
- Game apparatus. H. F. Walker. Des. 91,914; Apr. 3.
- Game apparatus. R. L. L. Warner. 1,953,873; Apr. 3.
- Game apparatus. J. W. Whitlock. 1,970,069; Aug. 14.
- Game apparatus, Coin controlled. B. MacDougall. 1,973,820; Sept. 18.
- Game apparatus, Convertible. W. E. Staff. 1,979,177; Oct. 30.
- Game apparatus for education and amusement. J. Konigsberg. 1,956,099; Apr. 24.
- Game, Apparatus for playing a. J. Barker. 1,944,628; Jan. 23.
- Game, Apparatus for playing a new. J. D. Bowling. 1,974,860; Sept. 25.
- Game apparatus, Indoor. L. Burn. 1,981,581; Nov. 20.
- Game apparatus, Marble. C. R. Simkins. Des. 93,751; Oct. 30.
- Game apparatus, Pictorial. J. Thomay. 1,972,206; Sept. 4.
- Game apparatus, Race. A. Gueydan. 1,951,051; Mar. 13.
- Game, Ball. A. N. Albera. 1,973,424; Sept. 11.
- Game board. C. A. Anderson. Des. 92,057-8; Apr. 24.
- Game board. M. Brown and F. J. Prindiville. Des. 92,835; July 24.
- Game board. H. M. Burke. 1,964,378; June 26.
- Game board. E. R. Frase. Des. 91,353; Jan. 16.
- Game board. R. K. Harsh. Des. 93,823; Nov. 13.
- Game board. G. V. Jefferson. 1,942,291; Jan. 2.
- Game board. F. L. Lindstrom. Des. 91,672; Mar. 6.
- Game board. J. E. Markle. Des. 91,834; Mar. 27.
- Game board. R. H. Osbrink. Des. 93,671; Oct. 23.
- Game board. H. Rubin. 1,977,148; Oct. 16.
- Game board. G. Saxmann. Des. 91,967; Apr. 10.
- Game board. R. E. Vezay. Des. 92,785; July 10.
- Gameboard. Y. von Stackelburg. 1,962,576; June 12.
- Game board. A. Wickman. 1,971,839; Aug. 28.
- Game board. E. J. Wohlfield. Des. 93,316; Sept. 11.
- Game board. E. J. Wohlfield. Des. 93,804; Nov. 6.
- Game board device. L. L. Fuller. 1,966,793; July 17.
- Game board for contract or auction bridge. G. O. Bloodgood. 1,957,382; May 1.
- Game board or similar article, Golf. A. S. Moorman. Des. 93,282; Sept. 11.
- Game board, Spinning. H. Vogelleitner. Des. 94,173; Dec. 25.
- Game, Card. G. M. Parker. 1,982,534; Nov. 27.
- Game device. L. E. Baltzley. Des. 92,874; July 31.
- Game device. H. T. Hipwell. 1,959,024; May 15.
- Game device. W. H. Huenergardt. 1,972,993; Sept. 11.
- Game device. D. L. Nelson. 1,942,898; Jan. 9.
- Game device. D. C. Rockola. 1,942,880; Jan. 9.
- Game device. L. E. Ross. Des. 92,628; June 26.
- Game device. W. A. Taylor. 1,972,803; Sept. 4.
- Game device. W. J. Thompson. 1,979,584; Nov. 6.
- Game device. J. Wahlberg. 1,970,586; Aug. 21.
- Game device, Baseball. F. C. Rojahn. 1,960,829; May 29.
- Game device, Educational. E. B. Hamilton. 1,946,318; Feb. 6.
- Game device, Hop scotch. M. B. Eddy. Des. 94,077; Dec. 18.
- Game, Educational. F. Savory. 1,980,637; Nov. 13.
- Game, Golf. F. L. Fox and F. C. Gibson. 1,957,331; May 1.
- Game implement. F. N. Van Der Linden. 1,974,224; Sept. 18.
- Game, Marble target. W. W. Harris. 1,942,476; Jan. 9.
- Game, Music reading. K. S. Gregg. 1,945,398; Jan. 30.
- Game of skill. J. H. Keeney. 1,966,862; July 17.
- Game of skill. K. Kohn. 1,978,137; Oct. 23.
- Game of skill. C. L. Phillips and I. M. Upperco. 1,944,997; Jan. 30.
- Game of skill. W. L. Scott. 1,969,429; Aug. 7.
- Game or puzzle. H. Hoffmann. 1,978,107; Oct. 23.
- Game puzzle. E. C. Schacht. 1,960,216; May 22.
- Game, Race. J. Co Callol. 1,959,755; May 22.
- Game, Racing. H. E. Rindfleisch. 1,971,236; Aug. 21.
- Game, Round. E. Donath. 1,952,540; Mar. 27.
- Game scoring device. W. H. Francis. Des. 92,459; June 12.
- Game scoring device. W. J. Obidine. 1,959,636; May 22.
- Game, Shuffle board. T. Reichard. 1,963,382; June 19.
- Game, Skill rotating flasher. D. Schneider and R. J. Rihs. 1,981,672; Nov. 20.
- Game table. W. B. Vandegrift. Des. 92,633; June 26.
- Game tally holder. P. D. Spillane. 1,974,881; Sept. 25.
- Games, Apparatus for simulated card. R. Stavely, E. M. Robinson, and P. A. Robinson. 1,942,376; Jan. 2.
- Gap protective device, Adjustable. E. M. Skipper and R. L. McCoy. 1,946,815; Feb. 13.
- Garage. H. Harnischfeger and G. J. Lexa. 1,955,959; Apr. 24.

- Garage, Automobile parking. J. E. Clyde. 1,966,165; July 10.
- Garage door hanger. C. H. Schneider. 1,962,844; June 12.
- Garbage burner. G. R. Howle. Re19,214; June 19.
- Garbage can. T. M. Morrissey. 1,975,554; Oct. 2.
- Garbage can, Sanitary. L. M. Lasell. 1,985,508; Dec. 25.
- Garbage container, Sanitary. W. H. Willey. 1,968,006; July 24.
- Garbage disposal, Apparatus for. W. H. Willey. 1,968,007; July 24.
- Garbage, Disposing of. E. L. and S. L. Coble. 1,968,515; July 31.
- Garbage, Incinerating. H. H. Bighouse. 1,974,231; Sept. 18.
- Garbage reducing machine. H. F. Dillon. 1,965,033; July 3.
- Garden implement. R. A. Bevis. 1,966,536; July 17.
- Garden tool. R. E. May. 1,962,025; June 5.
- Garden tool. J. G. Rieff. 1,973,417; Sept. 11.
- Garden tool. F. C. Vonderabe. 1,954,854; Apr. 17.
- Gardener's tool. N. A. Whittaker. 1,978,659; Oct. 30.
- Gardenia plant. W. E. Lenk. Pl. Pt. 93; Apr. 17.
- Garment. J. W. Bour. 1,959,331; May 22.
- Garment. S. H. Camp. 1,964,107; June 26.
- Garment. J. M. Cohen. 1,960,081; May 22.
- Garment. A. Cornblum. 1,984,011; Dec. 11.
- Garment. W. D. Craig. 1,960,218; May 22.
- Garment. M. S. Erlanger. 1,944,416; Jan. 23.
- Garment. M. S. Erlanger. 1,973,849; Sept. 18.
- Garment. M. B. Godard. 1,951,478; Mar. 20.
- Garment. I. Gold. 1,951,240; Mar. 13.
- Garment. A. Graves. 1,975,688; Oct. 2.
- Garment. R. M. Graves. 1,982,657; Dec. 4.
- Garment. E. C. Gregory. 1,964,659; June 19.
- Garment. H. W. Hoch. 1,971,682; Aug. 28.
- Garment. E. Julius. 1,972,045; Aug. 28.
- Garment. C. G. Knight. 1,955,241; Apr. 17.
- Garment. H. D. Konski. 1,949,312; Feb. 27.
- Garment. I. Krosney. Des. 92,183; May 8.
- Garment. J. H. Lakritz. 1,984,310; Dec. 11.
- Garment. C. E. Martin. 1,945,747; Feb. 6.
- Garment. S. I. Miller and M. Boriski. 1,946,173; Feb. 6.
- Garment. C. E. Oathout. 1,951,944; Mar. 20.
- Garment. C. E. Oathout. 1,963,174; June 19.
- Garment. S. V. P. Quackenbush. 1,971,622; Aug. 28.
- Garment. M. L. Rieffannacht. 1,972,795; Sept. 4.
- Garment. M. L. Rieffannacht. 1,973,659; Sept. 11.
- Garment. R. V. Rockwell. 1,955,657; Apr. 17.
- Garment. M. C. Schrank. 1,945,451; Jan. 30.
- Garment. J. Siegel. 1,966,973; July 17.
- Garment. V. L. Stephenson. 1,956,813; May 1.
- Garment. C. F. Trageser. 1,973,419; Sept. 11.
- Garment. I. I. Tubbs. 1,959,311; May 15.
- Garment. M. Wallace. 1,973,421; Sept. 11.
- Garment adjuster. S. B. Siegman. 1,954,600; Apr. 10.
- Garment and life preserver, Safety bathing. K. Gunther. 1,947,005; Feb. 13.
- Garment and making the same. R. O. Kennedy. 1,952,013; Mar. 20.
- Garment and making the same. H. L. Miskend. 1,977,802; Oct. 23.
- Garment, Baby's. B. S. Alsop. 1,977,604; Oct. 23.
- Garment bag. A. J. Rassenfoss. 1,967,429; July 24.
- Garment bag. A. Stone. 1,968,102; July 31.
- Garment bagging apparatus. F. C. Coss. 1,984,631; Dec. 18.
- Garment band. M. L. Heller. 1,943,729; Jan. 16.
- Garment, Bathing. C. N. Winship. 1,944,482; Jan. 23.
- Garment, Catamenial. M. Myer. 1,952,213; Mar. 27.
- Garment, Child's. J. R. Craighead. Des. 91,987; Apr. 17.
- Garment, Child's. J. A. Forsch. 1,961,607; June 5.
- Garment, Child's. G. W. Van Brunt and L. W. Dunlap. Des. 93,587; Oct. 9.
- Garment, Combination. J. Beckerman. 1,964,447; June 26.
- Garment, Combination. R. H. Davis. 1,946,782; Feb. 13.
- Garment, Combination. H. Wipperman. 1,941,505; Jan. 2.
- Garment, Combination foundation. V. M. Eatman. 1,968,339; July 31.
- Garment, Combination foundation. G. E. Rutledge. 1,965,860; July 10.
- Garment, Drop-seat. E. O. Fellroth. 1,967,233-4; July 24.
- Garment drying support. N. Riordan. 1,966,970; July 17.
- Garment fastening device. B. Liebowitz. 1,971,145; Aug. 21.
- Garment folding. H. L. S. Kuhn. 1,966,630; July 17.
- Garment folding board. B. Liebowitz. 1,955,244; Apr. 17.
- Garment, Foundation. L. Malmstead. 1,955,306; Apr. 17.
- Garment hanger. C. T. Balochi. 1,966,373; July 10.
- Garment hanger. F. H. Deknatel. 1,955,792; Apr. 24.
- Garment hanger. I. Dukes. 1,962,712; June 12.
- Garment hanger. R. Freedman. 1,973,376; Sept. 11.
- Garment hanger. K. E. Goerner. 1,980,939; Nov. 13.
- Garment hanger. L. H. Hall. 1,979,687; Nov. 6.
- Garment hanger. J. G. Linnemann. 1,970,009; Aug. 14.
- Garment hanger. H. F. Littledale. 1,962,399; June 12.
- Garment hanger. E. H. Maw. 1,969,896; Aug. 14.
- Garment hanger. D. N. Peirce. 1,959,840; May 22.
- Garment hanger. M. Raymond. 1,970,943; Aug. 21.
- Garment hanger. H. Sanford. 1,943,845; Jan. 16.
- Garment hanger. W. Sevigny. 1,955,203; Apr. 17.
- Garment hanger. L. Snitzer. 1,980,557; Nov. 13.
- Garment hanger. F. Traub. 1,970,478; Aug. 14.
- Garment hanger. L. A. Young. 1,963,163; June 19.
- Garment hanger. L. A. Young. 1,968,065; July 31.
- Garment holder. J. W. Cronk. 1,962,583; June 12.
- Garment hook. F. J. Skinner. Des. 93,894; Nov. 20.
- Garment, Lady's bathing. T. M. Negri. 1,964,210; June 26.
- Garment, Lady's bathing. T. M. Negri. 1,971,080; Aug. 21.
- Garment, Nether. S. Nishimoto. 1,973,963; Sept. 18.
- Garment or ironing press. J. P. Daly. 1,974,264; Sept. 18.
- Garment or ironing press. E. Davis. 1,949,115; Feb. 27.
- Garment or ironing press. E. Davis. 1,950,135-6; Mar. 6.
- Garment or ironing press. E. Davis. 1,954,988; Apr. 17.
- Garment or ironing press. E. Davis. 1,957,250; May 1.
- Garment or ironing press. E. Davis. 1,967,023; July 17.
- Garment or ironing press. E. Davis. 1,971,253; Aug. 21.
- Garment or ironing press. E. Davis. 1,972,474; Sept. 4.
- Garment or ironing press. E. Davis. 1,973,467; Sept. 11.
- Garment or ironing press. E. Davis. 1,979,962; Nov. 6.
- Garment or ironing press. E. Davis. 1,982,202; Nov. 27.
- Garment or ironing press. J. C. Ledbetter. 1,950,802; Mar. 13.
- Garment or ironing press. J. Zimarik. 1,954,974; Apr. 17.
- Garment pressing machine. F. N. Beede. 1,963,822; June 19.
- Garment protector. J. G. Dupont. 1,964,938; July 3.
- Garment protector. H. T. Meek. 1,979,983; Nov. 6.
- Garment protector. B. J. Sachs. 1,981,571; Nov. 20.
- Garment renovating apparatus. E. F. Morken. 1,976,453; Oct. 9.
- Garment, Sanitary. L. K. Bade. 1,959,282; May 15.
- Garment seat construction. S. R. Hickerson. 1,976,126; Oct. 9.
- Garment, Shadow proofing. O. A. Johnston. 1,966,861; July 17.
- Garment, Slip-on. M. D. Neilson. 1,963,334; June 19.
- Garment, Sleeping. G. F. Earnshaw. 1,982,579; Nov. 27.
- Garment stay securing means. J. F. Donahue. 1,951,236; Mar. 13.
- Garment support. G. J. Moriarty. 1,970,052; Aug. 14.
- Garment support. F. W. Moore. 1,971,826; Aug. 28.
- Garment support, Adjustable. A. G. Vara. 1,949,701; Mar. 6.
- Garment support and hand rest. F. R. White. 1,955,521; Apr. 17.
- Garment supporting band. A. J. Krein. 1,948,444; Feb. 20.
- Garment supporting board. W. M. Goldwater. 1,944,078; Jan. 16.
- Garment treating machine. R. A. Hetzer. 1,980,860; Nov. 13.
- Garment, Woman's bifurcated. F. A. Lacks. Des. 92,477; June 12.
- Garments and product thereof, Making. S. Wachtel and L. B. Zeldis. 1,979,300; Nov. 6.
- Garments, Apparatus for demonstrating figure-molding. F. W. Moore. 1,971,826; Aug. 28.
- Garments, Manufacturing. F. A. Schmidt and H. H. Kramer. 1,981,124; Nov. 20.
- Garments, Woman's. H. Aronson. 1,977,465; Oct. 16.
- Garter. I. A. Botty. Des. 92,333; May 29.
- Garter. F. A. Knoll. Des. 93,170; Aug. 28.
- Garter. H. Lobbenberg. 1,962,021; June 5.
- Garter clasp loop. R. Tilly. Des. 92,217; May 8.
- Garter fastener. O. J. Drews. 1,976,604; Oct. 9.
- Garter, Man's. W. J. Cubel. 1,965,220; July 3.
- Gas analyzing process and apparatus. J. D. Morgan. 1,947,303; Feb. 13.
- Gas and a hydrocarbon oil, Purifying a hydrocarbon. C. W. Garrison. 1,942,054; Jan. 2.
- Gas and air for high-power burners, Mixing. G. Wunsch. 1,963,010; June 12.
- Gas and air mixing device. S. B. Brown. 1,977,168; Oct. 16.
- Gas and air mixing valve. A. C. Fletcher. 1,973,977; Sept. 18.
- Gas and apparatus therefor, Treatment of. J. M. Jenkins, R. C. Thompson, and D. R. McNeal. 1,966,173; July 10.
- Gas and converting hydrocarbon oils, Making combustible. A. P. Sachs. 1,955,774; Apr. 24.
- Gas and fluid separator. H. A. Ward. 1,947,366; Feb. 13.
- Gas and liquid separator. J. A. O'Brien. 1,973,650; Sept. 11.
- Gas and liquid transfer pump. S. S. Ekman. 1,970,366; Aug. 14.
- Gas and oil burner, Combined. J. T. Voorheis. 1,951,379; Mar. 20.
- Gas and steam producer, Combined. C. Marischka. 1,967,582; July 24.
- Gas and tar, Making. O. B. Evans. 1,971,710; Aug. 28.
- Gas and water gas, Making mixed oil. H. G. Terzian. 1,980,115; Nov. 6.
- Gas and water gas production, Mixed oil. J. A. Perry. 1,971,729; Aug. 28.
- Gas and water gas, Production of mixed oil. H. G. Terzian. 1,949,819; Mar. 6.
- Gas and water gas, Production of mixed oil. H. G. Terzian. 1,972,804; Sept. 4.
- Gas, Apparatus for cleaning. J. P. Grilli. 1,951,867; Mar. 20.

- Gas, Apparatus for generating combustible. W. H. Hermisdorf. 1,960,108; May 22.
- Gas, Apparatus for generating water. O. Nygaard. 1,964,073; June 26.
- Gas, Apparatus for making. J. Whitehart. 1,944,818; Jan. 23.
- Gas, Apparatus for manufacturing water. O. H. Blackwood and P. G. Exline. 1,953,061; Apr. 3.
- Gas, Apparatus for purifying. W. J. Huff, L. Logan, and O. W. Lusby. 1,947,779; Feb. 20.
- Gas arc lamp. K. F. J. Kirsten. 1,980,534; Nov. 13.
- Gas burner. T. A. Coleman. 1,980,321; Nov. 13.
- Gas-blast switch. S. Ruppel. 1,982,355; Nov. 27.
- Gas-bulb heating apparatus. A. W. Machlet. 1,941,807; Jan. 2.
- Gas burner. H. Briggs. 1,952,356; Mar. 27.
- Gas burner. C. H. Butz and F. Gawan. 1,971,208; Aug. 21.
- Gas burner. J. E. Chambers. 1,959,657; May 22.
- Gas burner. C. Cone. 1,950,046; Mar. 6.
- Gas burner. C. Cone. 1,953,590; Apr. 3.
- Gas burner. A. B. Cunningham. 1,956,857; May 1.
- Gas burner. J. E. Cunningham. 1,973,334; Sept. 11.
- Gas burner. R. F. Cuyler. 1,942,397; Jan. 9.
- Gas burner. P. A. Dayton. 1,955,622; Apr. 17.
- Gas burner. H. H. Dodge. 1,962,237; June 12.
- Gas burner. H. H. Dodge. 1,981,349; Nov. 20.
- Gas burner. P. L. F. Feyling. 1,961,751; June 5.
- Gas burner. E. H. Fisher. 1,943,859; Jan. 16.
- Gas burner. P. M. Forster. 1,971,554; Aug. 28.
- Gas burner. J. E. Gloekler. 1,954,476; Apr. 10.
- Gas burner. J. H. Gwathmey. 1,954,873; Apr. 17.
- Gas burner. W. G. Hagan. 1,946,791; Feb. 13.
- Gas burner. W. L. Hager. 1,957,587; May 8.
- Gas burner. P. S. Harper. 1,971,449; Aug. 28.
- Gas burner. W. G. Haskell, jr. 1,952,919; Mar. 27.
- Gas burner. S. E. Henson. 1,968,395; July 31.
- Gas burner. F. C. Hohenstein. 1,967,884; July 24.
- Gas burner. H. E. Kerr. 1,952,550; Mar. 27.
- Gas burner. J. F. Lutenbacher. 1,977,947; Oct. 23.
- Gas burner. J. T. McCourt. 1,947,866; Feb. 20.
- Gas burner. J. Paulucci. 1,955,512; Apr. 17.
- Gas burner. A. N. Roth. 1,961,572; June 5.
- Gas burner. A. N. Roth. 1,968,620; July 31.
- Gas burner. J. F. Sinton and K. B. Anderson. 1,946,116; Feb. 6.
- Gas burner. R. Soderlind. 1,946,365; Feb. 6.
- Gas burner. P. J. Sonner. 1,953,367; Apr. 3.
- Gas burner. H. H. Sweet. 1,978,177; Oct. 23.
- Gas burner. E. J. Te Pas. 1,972,836; Sept. 4.
- Gas burner. M. Thorson. 1,973,935; Sept. 18.
- Gas burner. A. L. Wem. 1,981,976; Nov. 27.
- Gas burner. A. U. Wetherbee. 1,978,517; Oct. 30.
- Gas burner. J. Zander. 1,962,756; June 12.
- Gas burner. J. S. Zink. 1,968,731; July 31.
- Gas burner, Combination. H. B. Ring. 1,963,420; June 19.
- Gas burner control and ignition system. L. S. Castonguay. 1,971,704; Aug. 28.
- Gas burner, Cross flame. N. E. Werner. 1,960,609; May 29.
- Gas burner, Luminous flame. F. J. Hacker. 1,947,201; Feb. 13.
- Gas burner, Nozzle. W. R. Hones. 1,964,575; June 26.
- Gas burner support. E. J. Te Pas and E. J. Hansen. 1,966,399; July 10.
- Gas burning apparatus. F. W. Stockmeyer. 1,949,030; Feb. 27.
- Gas burning furnace. C. L. Hunt. 1,950,849; Mar. 13.
- Gas by electrical action, Supplying and cleaning. C. Hahn. 1,980,521; Nov. 13.
- Gas by-products, Purification of coal distillation. I. H. Jones. 1,971,786; Aug. 28.
- Gas by the admission of high carbon oil to generator during blow run, Manufacture of. P. W. Janeway. 1,971,717; Aug. 28.
- Gas by the use of high carbon and low carbon oil, Manufacturing carburetted water. J. A. Perry. 1,964,299; June 26.
- Gas cleaning apparatus. A. W. Simon, L. C. Kron, and H. Raymond. 1,969,627; Aug. 7.
- Gas combustion system and control. G. H. Irwin. 1,961,933; June 5.
- Gas compressor. H. C. Cooper. 1,951,751; Mar. 20.
- Gas conduction device. G. W. Garman. 1,957,205; May 1.
- Gas conduction device. W. J. Hitchcock. 1,951,150; Mar. 13.
- Gas consuming device. J. S. Blackmore. 1,946,729; Feb. 13.
- Gas container, Electrically welded high pressure. R. Furrer. 1,966,241; July 10.
- Gas, Continuous process for making carbureted water. P. Subkow. 1,972,833; Sept. 4.
- Gas control system and apparatus. G. A. Tuck. 1,946,043; Feb. 6.
- Gas-conversion apparatus. F. P. Wilson, jr. 1,953,047; Mar. 27.
- Gas cooling device for compressed gas electric circuit breaker silencers. A. Clerc. 1,984,396; Dec. 18.
- Gas cut-off, Automatic. W. B. Walters. 1,963,452; June 19.
- Gas cut-off, Automatic thermogravity. E. U. Benson. 1,979,857; Nov. 6.
- Gas detector. C. H. Lewis. 1,974,498; Sept. 25.
- Gas detector. A. L. Marshall. 1,979,976; Nov. 6.
- Gas discharge device. K. Rath. 1,985,058; Dec. 18.
- Gas discharge in electric discharge vessels, Arrangement for controlling the. W. Dallenbach. 1,975,714; Oct. 2.
- Gas discharge tube, Power factor corrected. J. B. Lilienfeld. 1,974,284; Sept. 18.
- Gas discharging device. P. von Frantzius. 1,970,719; Aug. 21.
- Gas distributing apparatus. W. I. Thrall. 1,960,466; May 29.
- Gas distributing system for coke ovens, Fuel. J. Becker. 1,968,367; July 31.
- Gas distributing system, Liquid petroleum. J. B. Green. 1,968,141; July 31.
- Gas engine. J. A. Charter. 1,962,426; June 12.
- Gas engine. H. D. Murray. 1,982,229; Nov. 27.
- Gas existing in dilute admixture with other gases, Recovering in concentrated form. F. W. de Jahn. 1,946,489; Feb. 13.
- Gas extension firer. W. Alexandra. 1,960,768; May 29.
- Gas feeding device. F. A. Duerr and E. A. Stierheim. 1,944,316; Jan. 23.
- Gas filled tube, Parallel operated. L. K. Swart. 1,977,255; Oct. 16.
- Gas from liquefied gas, Method and device for producing compressed. C. W. P. Heylandt. Re19,054; Jan. 16.
- Gas from liquefied gas, Method and device for producing compressed. C. W. P. Heylandt. Re19,251; July 24.
- Gas from pulverized fuel, Method of and apparatus for generating water. M. Heller. 1,963,167; June 19.
- Gas from solid fuel, Apparatus for the production of combustible. C. Whitfield. 1,974,873; Sept. 18.
- Gas fuel burner. G. E. White. 1,968,978; Aug. 7.
- Gas furnace. R. R. Cameron. 1,972,549; Sept. 4.
- Gas furnace. R. E. Fraser. 1,952,009; Mar. 20.
- Gas generating apparatus. J. H. Cordes. 1,964,315; June 26.
- Gas generating apparatus. J. E. Tone. 1,984,665; Dec. 18.
- Gas generating apparatus, Hydrogenating. M. J. Trumble and W. L. Seeley. 1,948,808; Feb. 27.
- Gas, Generating combustible. W. H. Hermisdorf. 1,945,550; Feb. 6.
- Gas generating device. W. H. Cheney. 1,944,544; Jan. 23.
- Gas generator. C. W. Andrews and W. B. Chapman. 1,941,455; Jan. 2.
- Gas generator. G. M. Deming. 1,967,293-4; July 24.
- Gas generator. G. M. Deming. 1,969,121; Aug. 7.
- Gas generator. G. M. Deming. 1,970,225; Aug. 14.
- Gas generator. F. C. Greene. 1,947,590; Feb. 20.
- Gas generator. C. Marischka. 1,973,874; Sept. 18.
- Gas generator. J. A. Mathes. 1,950,806; Mar. 13.
- Gas generator, Carbureted water. C. I. Tenney. 1,961,464; June 5.
- Gas generator for internal combustion engines. W. J. Cloud and R. G. Wilson. 1,970,166; Aug. 14.
- Gas generator for pulverized fuel. W. B. Plummer. 1,953,312; Apr. 3.
- Gas heater. R. F. Cuyler and F. M. Hartford. 1,947,830; Feb. 20.
- Gas heater. G. H. McFadden. Des. 94,038; Dec. 11.
- Gas heater. G. F. Reznor. 1,942,936; Jan. 9.
- Gas heating apparatus, High-power. G. Wunsch. 1,963,009; June 12.
- Gas holder valve. R. S. Deans. 1,944,969; Jan. 30.
- Gas humidifying device. F. A. Blashfield. 1,974,843; Sept. 25.
- Gas igniter. L. C. Daniels. 1,954,921; Apr. 17.
- Gas igniting and burning device. G. Herberster. 1,982,101; Nov. 27.
- Gas into a liquid, Introducing a. S. A. Eskilson. 1,966,854; July 17.
- Gas-lift control, Method and apparatus for. P. Subkow. 1,981,477; Nov. 20.
- Gas lighting apparatus, Luminescent. J. O. Cadieux. 1,981,903; Nov. 27.
- Gas, Making. H. G. Terzian. 1,956,259; Apr. 24.
- Gas, Making blue and carbureted water. H. J. Carson. 1,952,654; Mar. 27.
- Gas, Making carbureted water gas. G. J. Nordmeyer and T. W. Stone. 1,947,792; Feb. 20.
- Gas, Making combustible. W. W. Odell. 1,972,898; Sept. 11.
- Gas, Making combustible. J. A. Perry and W. H. Fullweiler. 1,949,810; Mar. 6.
- Gas making device. C. R. Hemenway. 1,943,311; Jan. 16.
- Gas, Making low gravity. A. F. Kunberger. 1,971,721; Aug. 28.
- Gas, Making oil. C. Rosier. 1,945,790; Feb. 6.
- Gas making with emulsified fuel. M. W. Ditto. 1,970,996; Aug. 21.
- Gas, Manufacture of carbureted water. H. O. Loebell. 1,964,293; June 26.
- Gas, Manufacture of water. N. E. Rambush. 1,947,614; Feb. 20.
- Gas, Manufacturing carbureted water. M. H. Merritt and G. I. Koons. 1,950,620; Mar. 13.
- Gas manufacturing set with marginal blast, One shell. E. L. Hall. 1,964,285; June 26.
- Gas mask. F. C. Montuori. 1,975,797; Oct. 9.
- Gas mask carrier. L. M. McBride and R. Monro. 1,967,739; Oct. 16.
- Gas mask head harness. A. V. Motsinger. 1,942,442; Jan. 9.
- Gas material, Apparatus for dispensing. L. I. Dana. 1,943,059; Jan. 9.

- Gas material, Apparatus for dispensing. L. C. Updegraff. 1,943,047; Jan. 9.
- Gas material, Method and apparatus for dispensing. L. I. Dana. 1,950,353; Mar. 6.
- Gas material, Method and apparatus for dispensing. L. I. Dana. 1,953,467; Apr. 3.
- Gas material, Method and apparatus for dispensing. H. D. Edwards. 1,953,533; Apr. 3.
- Gas material, Method and apparatus for dispensing. H. C. Smith. 1,942,944; Jan. 9.
- Gas material, Purifying. L. J. Bowditch. 1,967,736; July 24.
- Gas meter. L. J. Corrier and J. F. Greiner. 1,981,832; Nov. 20.
- Gas meter. A. D. MacLean. 1,961,299; June 5.
- Gas meter. F. von Schütz and W. Holm. 1,955,696; Apr. 17.
- Gas meter. H. J. Waddell. 1,950,334; Mar. 6.
- Gas meter. J. H. Wilson and D. C. E. Poole. 1,952,959; Mar. 27.
- Gas meter bar. C. T. Bard. 1,947,371; Feb. 13.
- Gas meter, Diaphragm. W. Strelow. 1,960,801; May 29.
- Gas meter hanger. R. L. Ellis. 1,949,829; Mar. 6.
- Gas, Method and apparatus for expanding high pressure. R. D. Booth, J. R. Coffin, and A. J. Tigges. 1,971,518; Aug. 28.
- Gas mixing apparatus. R. W. Thomas. 1,980,770; Nov. 13.
- Gas mixing device. H. C. Duncan. 1,978,702; Oct. 30.
- Gas mixing device. E. T. Larkin. 1,947,603; Feb. 20.
- Gas mixtures, Resolution of. M. Fränkl. 1,963,840; June 19.
- Gas mixtures, Separating. M. Fränkl. 1,945,634; Feb. 6.
- Gas mixtures, Separation of. P. Baumann, H. Tanneberger, and H. Schilling. 1,942,131; Jan. 2.
- Gas of high calorific value, Manufacturing producer. K. Koller and Z. Gálócsy. 1,964,207; June 26.
- Gas, oil, and other products, Production of. L. C. Karick. 1,950,558; Mar. 13.
- Gas pilot and burner. L. Stein and W. C. Peters. 1,974,975; Sept. 25.
- Gas pilot control. J. A. Perry and E. J. Brady. 1,980,085; Nov. 6.
- Gas-pressure regulator. A. C. Becker. 1,978,397-8; Oct. 30.
- Gas pressure regulator, Compound. G. M. Deming. 1,948,027; Feb. 20.
- Gas, Process and apparatus for dispensing measured charges of liquefied. E. W. Harvey. 1,981,729; Nov. 20.
- Gas process, Carbureted water. H. J. Carson. 1,953,843; Apr. 3.
- Gas process using sodium carbonate, Producer. A. H. White and D. A. Fox. 1,948,085; Feb. 20.
- Gas process, Water. F. H. Dechant. 1,966,886; July 17.
- Gas, Processing hydrocarbon. J. B. Garner, R. W. Miller, and G. B. Leyden. 1,954,991; Apr. 17.
- Gas producer. A. L. Galusha. 1,947,339; Feb. 13.
- Gas producer. J. D. Thomas. 1,945,464; Jan. 30.
- Gas producer. J. N. Williams. 1,964,614; June 26.
- Gas producer. A. C. Wolfe. 1,983,687; Dec. 11.
- Gas producer and other furnaces. A. L. Galusha. 1,950,236; Mar. 6.
- Gas producer, Heavy fuel oil suction. F. O. Lacassagne. 1,955,242; Apr. 17.
- Gas producer, Water. N. E. Rambush and J. O. Dean. 1,962,616; June 12.
- Gas producing device, Electrolytic. O. K. Enzor. 1,963,959; June 26.
- Gas, Producing water. C. E. Lucke. 1,977,684; Oct. 23.
- Gas, Production of oil gas and water. E. L. Hall. 1,956,284; Apr. 24.
- Gas propelling device, Reversible flow. H. S. Messing. 1,959,106; May 15.
- Gas purification. C. Davies, jr. 1,942,050; Jan. 2.
- Gas purification. J. G. Dely. 1,962,485; June 12.
- Gas purification. H. A. Gollmar. 1,957,262; May 1.
- Gas purification. W. J. Huff, L. Logan, and O. W. Lusby. 1,947,776; Feb. 20.
- Gas purification. D. L. Jacobson. 1,983,375; Dec. 4.
- Gas purification. F. W. Sperr, jr. 1,942,072; Jan. 2.
- Gas purification. F. W. Sperr, jr. 1,961,255; June 5.
- Gas purification. A. L. Ward and C. W. Jordan. 1,976,704; Oct. 9.
- Gas purification and the like. D. K. Dean. 1,957,251; May 1.
- Gas purification process and recovery of by-products therefrom. H. A. Gollmar. 1,971,779; Aug. 28.
- Gas purifier. R. Ruemelin. 1,955,834; Apr. 24.
- Gas purifier for vehicles, Exhaust. C. A. Miller. 1,953,120; Apr. 3.
- Gas purifying masses, Working up. J. A. Bordo. 1,962,051; June 5.
- Gas reactions, Performing endothermic. T. S. Wheeler and D. Binnie. 1,942,889; Jan. 9.
- Gas, Reforming oil. J. A. Perry. 1,971,728; Aug. 28.
- Gas regulating and igniting attachment, Electromagnetic. J. G. Neumann. 1,976,625; Oct. 9.
- Gas regulator. W. C. Groble. 1,973,704; Sept. 18.
- Gas, Repurifying carbon dioxide. G. T. Reich. 1,978,508; Oct. 30.
- Gas rich in hydrogen, Process and apparatus for producing. R. P. Russell and W. V. Hanks. 1,951,774; Mar. 20.
- Gas saver and decarbonizer. C. W. Novotny. 1,964,892; July 3.
- Gas saving device. L. J. Baker, F. E. Laman, and C. R. Baker. 1,973,791; Sept. 18.
- Gas scrubber. J. W. Armour. 1,955,999; Apr. 24.
- Gas scrubber. F. H. Daniels and K. K. Nahigyan. 1,974,768; Sept. 25.
- Gas scrubber. K. K. Nahigyan. 1,984,690; Dec. 18.
- Gas scrubbing. D. W. Bowers. 1,979,189; Oct. 30.
- Gas scrubbing. H. R. Fife. 1,944,122; Jan. 16.
- Gas separator. D. S. Willson. 1,957,418; May 1.
- Gas service regulator. A. G. Ford. 1,941,831; Jan. 2.
- Gas storage and utilization equipment, Consumer's liquefied. P. S. Endacott. 1,976,719; Oct. 16.
- Gas, Storage of liquefied. J. Robinson. 1,963,922; June 19.
- Gas stove burner. G. and H. Petersen. 1,951,439; Mar. 20.
- Gas supply control system. G. A. Tuck. 1,971,882; Aug. 28.
- Gas tank cap lock. W. H. Scott. 1,977,493; Oct. 16.
- Gas tank pressure regulator. S. D. Clifhero and E. G. Durando. 1,982,045; Nov. 27.
- Gas through refractory walls, Means preventing passage of. L. A. Mekler. 1,971,915; Aug. 28.
- Gas, Treating. M. Shoeld. 1,945,002; Jan. 30.
- Gas treating articles. A. H. Warth. 1,983,648; Dec. 11.
- Gas treatment. G. A. Bragg. 1,983,338; Dec. 4.
- Gas treatment. E. Parkinson. 1,976,629; Oct. 9.
- Gas, Treatment of. E. V. Harlow. 1,983,366; Dec. 4.
- Gas, Treatment of. W. von Piotrowski and J. Winkler. 1,977,101; Oct. 16.
- Gas, Treatment of. P. J. Wilson, jr. 1,968,275; July 31.
- Gas, Treatment of artificial. W. L. Shively. 1,945,001; Jan. 30.
- Gas, Treatment of manufactured. J. R. Bircher, H. W. Seyler, and J. H. Wells. 1,963,323; June 19.
- Gas valve. S. W. E. Andersson. 1,961,324; June 5.
- Gas valve, Combined regulating and snap action. G. B. Shawn. 1,956,977; May 1.
- Gas valve lock. D. A. Pack. 1,949,178; Feb. 27.
- Gas washing and sludge recovering apparatus, Combined. J. P. Grilli. 1,976,392; Oct. 9.
- Gas washing apparatus, Exhaust. C. M. Gerhold. 1,948,348; Feb. 20.
- Gas wells, Method of and apparatus for controlling. H. C. Otis. 1,949,323; Feb. 27.
- Gaseous condition tube, Permanent color. R. E. Miesse. 1,977,688; Oct. 23.
- Gaseous conduction apparatus. C. G. Smith. 1,951,808; Mar. 20.
- Gaseous discharge device. L. de Forest. 1,944,929; Jan. 30.
- Gaseous discharge device. C. G. Found. 1,971,907; Aug. 28.
- Gaseous discharge device. C. G. Smith. 1,946,336; Feb. 6.
- Gaseous discharge device. C. G. Smith. 1,962,158; June 12.
- Gaseous discharge device, Electric. C. E. Kenty. 1,984,483; Dec. 18.
- Gaseous discharge device, Hot cathode. Y. Imaoka. 1,985,096; Dec. 18.
- Gaseous discharge lamp. D. M. Moore. 1,971,916; Aug. 28.
- Gaseous discharge tube, Dual purpose. A. Hund. 1,981,359; Nov. 20.
- Gaseous discharge tube, Electric. A. Claude. 1,972,183; Sept. 4.
- Gaseous discharge tube, Grid-controlled. J. D. Le Van. 1,962,159; June 12.
- Gaseous electric discharge device. G. Gaidies and M. Reger. 1,968,822; Aug. 7.
- Gaseous electric discharge device. J. Pikelharing. 1,971,918; Aug. 28.
- Gaseous electric discharge device. M. Pirani, M. Reger, and G. Gaidies. 1,968,854; Aug. 7.
- Gaseous electric discharge lamp device. G. Gaidies, E. Tarján, and M. Thomas. 1,968,823; Aug. 7.
- Gaseous electric sign. C. D. Mitchell. 1,956,725; May 1.
- Gaseous fuel burner. U. G. Elmore. 1,962,113; June 12.
- Gaseous fuel generator. R. V. Welhofer. 1,984,716; Dec. 18.
- Gaseous impurities from electric discharge tubes, Removing. L. H. Dawson. 1,962,138; June 12.
- Gaseous mixtures, Apparatus for analyzing. A. M. Kennedy. 1,959,242; May 15.
- Gaseous mixtures, Apparatus for making explosive. J. A. de Grey. 1,942,956; Jan. 9.
- Gaseous mixtures, Apparatus for separating the constituents of. C. C. Van Nuys. 1,958,554; May 15.
- Gaseous mixtures, Apparatus for separating the constituents of. C. C. Van Nuys. 1,959,884; May 22.
- Gaseous mixtures containing hydrogen and nitrogen from methane, Production of. G. Wietzel and G. Schiller. 1,957,744; May 8.
- Gaseous mixtures, Method and apparatus for liquefying and separating. W. W. Frazer. 1,968,518; July 31.
- Gaseous mixtures, Method and apparatus for purifying. G. K. E. H. Stampe. 1,954,395; Apr. 10.
- Gaseous mixtures, Process and apparatus for the separation of. M. Fränkl. 1,974,065; Sept. 18.
- Gaseous mixtures, Purification and separation of. M. Shoeld. 1,971,798; Aug. 28.
- Gaseous mixtures, Separating. I. H. Levin. 1,959,030; May 15.
- Gaseous mixtures, Separating the constituents of. C. C. Van Nuys. 1,959,267; Aug. 7.

- Gaseous mixtures, Separating the constituents of. C. C. Van Nuy. 1,958,553; May 15.
- Gaseous mixtures, Separation of. G. Claude and J. Le Rouge. 1,984,463; Dec. 18.
- Gaseous mixtures, Separation of. M. Gobert. 1,945,367; Jan. 30.
- Gaseous pressure wave absorbing construction. M. E. Kliofoth. 1,968,456; July 31.
- Gaseous products, Apparatus for the treatment of. I. Hechenbleikner. 1,982,099; Nov. 27.
- Gaseous products, Refrigerating and separating. I. S. Gregory. 1,946,580; Feb. 13.
- Gaseous reduction of metal oxides. W. Bradley and A. J. Boynton. 1,951,342; Mar. 20.
- Gaseous signal light. J. O. Cadieux. 1,951,502; Mar. 20.
- Gases and manufacturing sulphur trioxide therefrom. Purifying sulphur dioxide bearing. A. A. Heimrod. 1,971,855; Aug. 28.
- Gases and of combustion thereof, Preparation of mixed. H. A. Brassert. 1,972,259; Sept. 4.
- Gases and vapors to obtain a mixture of hydrogen and nitrogen in determined proportions, Dissociating hydrocarbon. W. D. Wilcox. 1,951,044; Mar. 13.
- Gases, Apparatus for humidifying and cooling dust-laden. R. Heinrich. 1,966,859; July 17.
- Gases, Apparatus for liquefying. J. C. Swan. 1,965,010; July 3.
- Gases, Apparatus for measuring. M. B. Zoll. 1,947,370; Feb. 13.
- Gases, Apparatus for proportioning and mixing. R. W. Thomas. 1,967,164; July 17.
- Gases, Apparatus for purifying liquefied. W. F. Moeller. 1,967,718; July 24.
- Gases, Apparatus for separation of. H. Duggan and I. R. McHaffie. 1,980,791; Nov. 13.
- Gases, Apparatus for the purification of. E. C. Kendall. 1,970,700; Aug. 21.
- Gases, Apparatus for the treatment of. C. G. Hawley. 1,980,522; Nov. 13.
- Gases, Apparatus for treating. A. M. Harkness. 1,972,932; Sept. 11.
- Gases, Apparatus for use in the catalytic oxidation of. R. C. Jeffcott. 1,949,122; Feb. 27.
- Gases by liquefaction, Apparatus for separating mixed. W. L. de Baufre. 1,961,202; June 5.
- Gases by liquefaction, Separating mixed. W. L. de Baufre. 1,961,201; June 5.
- Gases by liquids, Apparatus for the absorption of. H. E. Keyes. 1,952,675; Mar. 27.
- Gases by selective liquefaction, Apparatus for separating mixed. W. L. de Baufre. 1,961,203; June 5.
- Gases by selective liquefaction, Apparatus for separating mixed. W. L. de Baufre. 1,962,176; June 12.
- Gases containing sulphur vapor, Treating. G. H. Gleason and A. C. Looman. 1,972,885; Sept. 11.
- Gases, Cooling and purifying burner. E. J. Mullen. 1,943,137; Jan. 9.
- Gases, Desulphurization of. P. Herold and W. Baumann. 1,984,971; Dec. 18.
- Gases, Device for electrical purification of. G. Brion and J. Krutzsch. 1,976,214; Oct. 9.
- Gases, Electrical purification of. R. Heinrich. 1,941,861; Jan. 2.
- Gases for ammonia synthesis, Purifying. P. Christin. 1,951,819; Mar. 20.
- Gases for feeding explosion motors, Production of. P. P. Lombard and H. J. Duval. 1,951,803; Mar. 20.
- Gases from fuel oils, Making permanent or fixed. H. A. Hickey. 1,967,669; July 24.
- Gases krypton and xenon from the atmosphere, Apparatus for separating the rare. W. Dennis. 1,945,366; Jan. 30.
- Gases, Method and apparatus for treating. E. J. Mullen and W. S. Allen. 1,969,381; Aug. 7.
- Gases, Method and apparatus for treating. C. J. Warnke. 1,967,952; July 24.
- Gases, Method of and apparatus for forming hot. E. G. DeCorolis and H. B. Barber. 1,958,913; May 15.
- Gases, Method of and apparatus for testing. G. W. Jones. 1,977,481; Oct. 16.
- Gases, Odorizing liquefied petroleum. F. E. Frey. 1,944,175; Jan. 23.
- Gases or gas mixtures at high temperatures, Conversion of. C. Eymann. 1,957,254; May 1.
- Gases, Polymerization of olefinic. W. B. Plummer. 1,947,306; Feb. 13.
- Gases poor in carbon monoxide, Production of. F. Bössner and C. Marischka. 1,985,441; Dec. 25.
- Gases, Process and apparatus for converting hydrocarbon. M. P. Youker. 1,976,469; Oct. 9.
- Gases, Purification of. F. J. Metzger. 1,942,485; Jan. 9.
- Gases, Purification of. J. Skogmark and M. F. Chase. 1,954,366; Apr. 10.
- Gases, Purifying. S. T. Adair and C. F. Cushing. 1,945,407; Jan. 30.
- Gases, Purifying. R. S. Richardson. 1,962,525; June 12.
- Gases, Purifying liquefied. W. F. Moeller. 1,967,717; July 24.
- Gases, Pyrolysis of hydrocarbon. C. C. Towne. 1,943,246; Jan. 9.
- Gases, Separating acidic. R. R. Bottoms. 1,964,808; July 3.
- Gases, Separating fine particles from. R. G. Bowman. 1,959,945; May 22.
- Gases, Separating mixed. W. L. De Baufre. 1,951,183-5; Mar. 13.
- Gases, Separation of acid. G. A. Perkins. 1,951,992; Mar. 20.
- Gases, Treatment and purification of certain. W. Glud and W. Klempf. 1,950,981; Mar. 13.
- Gases, Treatment of coal distillation. S. P. Miller. 1,944,523; Jan. 23.
- Gases, Treatment of hydrocarbon. A. E. Dunstan and R. V. Wheeler. 1,976,717; Oct. 16.
- Gases, Treatment of hydrocarbon. G. Egloff. 1,972,926; Sept. 11.
- Gases, Treatment of hydrocarbon. V. Ipatieff. 1,960,631; May 29.
- Gases, Utilization of nitrogen oxide. M. F. Fogler. 1,949,462; Mar. 6.
- Gases, Utilizing natural hydrocarbon. C. R. Wagner. 1,976,591; Oct. 9.
- Gases with liquids, Reacting. K. A. Lindner. 1,949,392; Feb. 27.
- Gasifier and mixer. P. R. Schreurs. 1,967,133; July 17.
- Gasifier, Electric. H. Gamard. 1,941,678; Jan. 2.
- Gasifying apparatus. A. Curioni. 1,977,872; Oct. 23.
- Gasket. C. B. Bailey. 1,968,365; July 31.
- Gasket. G. A. Barker. 1,946,475; Feb. 13.
- Gasket. S. H. Clark. 1,965,279; July 3.
- Gasket. B. W. Dennis. 1,944,135; Jan. 16.
- Gasket. E. E. Hewitt. 1,969,795; Aug. 14.
- Gasket. C. R. Hubbard and F. W. Armstrong. 1,942,703-4; Jan. 9.
- Gasket. A. H. Kinzel. 1,943,122; Jan. 9.
- Gasket. F. J. Oven. 1,957,798; May 8.
- Gasket. G. H. Pfefferle. 1,942,489; Jan. 9.
- Gasket. C. G. A. Rosen. 1,982,759; Dec. 4.
- Gasket. B. J. Victor. 1,974,633; Sept. 25.
- Gasket. J. H. Victor. 1,956,183; Apr. 24.
- Gasket. J. H. Victor. 1,985,473; Dec. 25.
- Gasket. J. H. Victor. 1,985,475; Dec. 25.
- Gasket and attachment. E. Swedman and W. A. Ellsworth. 1,967,456; July 24.
- Gasket, Blind. W. B. Mathews. 1,979,806; Nov. 6.
- Gasket construction. E. E. Hewitt and E. K. Lynn. 1,980,335; Nov. 13.
- Gasket construction. J. W. Moore and V. C. Foster. 1,960,750; May 29.
- Gasket for pipe joints and clamps. G. H. Pfefferle. 1,984,806; Dec. 18.
- Gasket, Liquid filled. G. H. Pfefferle. 1,966,202; July 10.
- Gaskets to containers, Mechanism for applying elastic. C. J. Aulbach. 1,971,334; Aug. 28.
- Gasoline. G. Alleman. 1,969,249; Aug. 7.
- Gasoline, Antiknock. V. Voorhees. 1,974,167; Sept. 18.
- Gasoline, Decidifying. S. J. Dickey. 1,949,786; Mar. 6.
- Gasoline dispenser. D. J. Nelson. 1,964,783; July 3.
- Gasoline, dispensing device. J. L. Wilson, jr. 1,959,453; May 22.
- Gasoline dispensing system. A. L. Wallace. 1,957,398; May 1.
- Gasoline from natural gas, Recovery of. H. S. Cole, jr., and E. R. Cox. 1,953,043; Mar. 27.
- Gasoline from natural gas, Recovery of. H. S. Cole, jr., and E. R. Cox. 1,972,060; Aug. 28.
- Gasoline from natural gas, Recovery of. E. R. Cox. 1,972,061; Aug. 28.
- Gasoline gauge. R. Clason. 1,950,595; Mar. 13.
- Gasoline meter. F. E. Fick. 1,966,619; July 17.
- Gasoline product and method of refining. A. P. Bjerregaard. 1,949,896; Mar. 6.
- Gasoline recovery apparatus. J. C. Swan. 1,965,011; July 3.
- Gasoline recovery, Natural. H. S. Cole and E. R. Cox. 1,969,207; Aug. 7.
- Gasoline, Refining cracked. K. J. Smith. 1,969,047; Aug. 7.
- Gasoline, Sweetening. R. B. Day. 1,948,565; Feb. 27.
- Gasoline tank filler. H. D. Allee. 1,952,484; Mar. 27.
- Gasoline tank filler indicator. G. W. Bettles. 1,953,669; Apr. 3.
- Gasoline tank lock, Automobile. A. E. Wilson. 1,949,523; Mar. 6.
- Gasoline with zinc chloride, Refining. F. E. Kimball. 1,970,143; Aug. 14.
- Gate: See—
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| Automatic gate. | Hot gas gate. |
| Automatic water gate. | Molasses gate. |
| Crossing gate. | Motion picture gate. |
| Farm gate. | Safety gate. |
| Film gate. | Railway crossing gate. |
- Gate. S. H. Deeds. 1,959,709; May 22.
- Gate. F. A. Dorris. 1,966,028; July 10.
- Gate. R. Keys. 1,975,953; Oct. 9.
- Gate. J. L. Wilson. 1,961,680; June 5.
- Gate construction. A. Saurbrey. 1,942,617; Jan. 9.
- Gate construction. J. F. Schrontz. 1,947,176; Feb. 13.
- Gate for film handling apparatus. J. P. Laug and W. D. Foster. 1,944,031; Jan. 16.
- Gate for pneumatic coal-cleaning apparatus. A. Allen. 1,949,734; Mar. 6.
- Gate for trolley buckets and the like, Automatic. S. H. Durbin. 1,969,598; Aug. 7.
- Gate opening and closing device. M. Staley. 1,959,042; May 15.
- Gate operating means. O. L. Vincent. 1,952,641; Mar. 27.
- Gate operating mechanism. C. P. Galanot. 1,959,912; May 22.
- Gate-operating mechanism. C. P. Galanot. 1,968,445; July 31.

- Gate operating mechanism. E. Phillips. 1,963,212; June 19.
- Gate type rotary pump. T. L. Morris and W. A. Grant. 1,946,097; Feb. 6.
- Gate valve. W. P. Bowdry, Jr. 1,955,222; Apr. 17.
- Gate valve. J. T. Fahey. 1,949,011; Feb. 27.
- Gate valve. Relief by-passed. V. Fina. 1,980,914; Nov. 13.
- Gate valve seat surfacing machinery. L. G. Plant. 1,980,928; Nov. 13.
- Gathering device for corn pickers. B. M. Hyman. 1,964,579; June 26.
- Gathering means for corn pickers. R. B. Hitchcock. 1,948,917; Feb. 27.
- Gathering organization for loading machines. E. M. Arentzen. 1,945,340; Jan. 30.
- Gathering unit for road paving machines. H. H. Barber. 1,958,460; May 15.
- Gauge: See—
- Air pressure gauge.
 - Airplane gasoline gauge.
 - Alignment gauge.
 - Bevel gauge.
 - Boiler alarm gauge.
 - Brake shoe adjusting gauge.
 - Contour and depth gauge.
 - Dental crown gauge.
 - Dental pressure gauge.
 - Differential gauge.
 - Flow gauge.
 - Gasoline gauge.
 - Grinding gauge.
 - Ham saw gauge.
 - Hand wind gauge.
 - Headlight focusing gauge.
 - Inclination gauge.
 - Indicating limit plug gauge.
 - Lasting gauge.
 - Limit gauge.
 - Liquid gauge.
 - Liquid level gauge.
 - McLeod gauge.
 - Mean pressure gauge.
 - Micrometer gauge.
 - Miter gauge.
 - Oil gauge.
 - Pipe thread gauge.
 - Pitch gauge.
 - Portable pressure gauge.
 - Pressure gauge.
 - Pressure recording gauge.
 - Printers' feed gauge.
 - Propeller blade pitch gauge.
 - Raker tooth gauge.
 - Ring and finger gauge.
 - Road surface gauge.
 - Saw table gauge.
 - Screw-thread gauge.
 - Spindle and king pin gauge.
 - Steam and water gauge.
 - Tank gauge.
 - Thread gauge.
 - Tire gauge.
 - Vacuum gauge.
 - Valve and pressure gauge.
 - Washer display gauge.
 - Water gauge.
 - Well pressure gauge.
 - Wheel gauge.
- Gauge. W. Ames. 1,945,796; Feb. 6.
- Gauge. W. Ames. 1,966,424; July 17.
- Gauge. W. Ames. 1,968,866; Aug. 7.
- Gauge. E. Aronson. 1,950,912; Mar. 13.
- Gauge. T. M. Eynon. 1,977,434; Oct. 16.
- Gauge. H. Hastings and L. I. Hall. 1,950,142; Mar. 6.
- Gauge. J. J. Jazwieck. 1,967,618; July 24.
- Gauge. C. V. Johnson. 1,956,292; Apr. 24.
- Gauge. H. L. Joyce. 1,950,031; Mar. 6.
- Gauge. R. B. Lewis. 1,973,640; Sept. 11.
- Gauge. H. T. Passler. 1,981,751; Nov. 20.
- Gauge. J. Pignone. 1,942,118; Jan. 2.
- Gauge adapter, Broken. A. L. and R. H. Miller. 1,949,971; Mar. 6.
- Gauge and filling valve, Combined tire. A. S. Marchus. 1,919,252; July 24.
- Gauge and marker for dresses, Length. H. H. Yocum. 1,971,516; Aug. 28.
- Gauge and minimum pressure indicator, Pressure. J. C. McMullin and P. M. Hammett. 1,957,030; May 1.
- Gauge arm. C. C. Bennett. 1,974,006; Sept. 18.
- Gauge bob and thermometer, Combination. J. F. Haller. 1,947,592; Feb. 20.
- Gauge construction, Gearless. M. Klein. 1,978,750; Oct. 30.
- Gauge control system for rolling mills, Automatic. D. A. Boyer and W. S. Rearick. 1,977,619; Oct. 23.
- Gauge damping device, Pressure. L. Durner. 1,943,954; Jan. 16.
- Gauge for chaser grinding. E. T. Bysshe and R. R. Finn. 1,979,023; Oct. 30.
- Gauge for determining pressures in deep wells. N. H. Ricker. 1,960,923; May 29.
- Gauge for fastening-inserting machines. F. L. MacKenzie. 1,972,101; Sept. 4.
- Gauge for flatwork ironers. F. J. Couch and H. W. Gabbert. 1,962,112; June 12.
- Gauge for liquid storage tanks, Automatic. J. H. Wiggins and C. A. Turner. 1,972,120; Sept. 4.
- Gauge for printing presses, Feed. C. L. Stiles. 1,949,286; Feb. 27.
- Gauge for testing cylindrical objects. H. W. Zimmerman. 1,954,233; Apr. 10.
- Gauge for testing the camber of steering wheels of motor vehicles, Camber. C. H. Phelps. 1,959,642; May 22.
- Gauge for typewriters, Line. H. U. Bittman. 1,942,406; Jan. 9.
- Gauge glass apparatus. F. M. Roby. 1,984,945; Dec. 18.
- Gauge glass illuminator. D. R. McMullen. 1,979,982; Nov. 6.
- Gauge indicator, Electric visible surface. A. K. Hinchman. 1,970,142; Aug. 14.
- Gauge locking device. M. Klein. 1,978,271; Oct. 23.
- Gauge recharging system, Pneumatic. J. A. Diener. 1,964,253; June 26.
- Gauge rod and wiper, Oil. H. B. Claus. 1,976,434; Oct. 9.
- Gauge stabilizer, Pressure. R. R. McDonell. 1,941,613; Jan. 2.
- Gauge stop for machine tools, Stock. H. W. Ruppel. 1,947,799; Feb. 20.
- Gauge tube. J. B. Fournier. 1,984,734; Dec. 18.
- Gauged dose tube. W. L. Beebe. 1,959,896; May 22.
- Gauging members for assemblage, Apparatus for. F. Freyman. 1,948,291; Feb. 20.
- Gauging, severing, piling, and holding mechanism for sheet material. J. A. Stromely. 1,949,262; Feb. 27.
- Gear: See—
- Bobbin gear.
 - Buffing and draft gear.
 - Bus and switch gear.
 - Change-speed gear.
 - Control gear.
 - Draft and buffer gear.
 - Draft and buffer gear.
 - Draft and buffing gear.
 - Draft and building gear.
 - Draft gear.
 - Driving gear.
 - Electrical switch gear.
 - Engine valve gear.
 - Fluid change gear.
 - Friction draft gear.
 - Helical gear.
 - Hydraulic control gear.
 - Hydraulic draft gear.
 - Hydraulic steering gear.
 - Hydraulic transmission gear.
 - Landing gear.
 - Marine reverse gear.
 - Reduction gear.
 - Retractable landing gear.
 - Speed friction gear.
 - Speed reduction gear.
 - Speed transmission gear.
 - Starting gear.
 - Steam engine valve gear.
 - Switch gear.
 - Transmission gear.
 - Transmitting gear.
 - Trawl gear.
 - Valve gear.
 - Variable speed gear.
 - Vehicle draft and buffing gear.
 - Vehicle steering gear.
 - Wing and landing gear.
- Gear. F. Eisenach and A. Bruckner. 1,971,034; Aug. 21.
- Gear. E. Wildhaber. 1,982,037; Nov. 27.
- Gear adjustment for steering gears, Worm. H. Marles. 1,974,781; Sept. 25.
- Gear and car construction, Draft. J. A. Shafer. 1,955,838; Apr. 24.
- Gear and clutch mechanism, Reverse. R. M. Upton. 1,956,601; May 1.
- Gear and clutch mechanism, Reversing. W. G. Hoelscher. 1,971,955; Aug. 28.
- Gear and gear tooth. N. Trbojevich. 1,973,185; Sept. 11.
- Gear and making the same, Composite. E. M. d'Aubigne. 1,981,782; Nov. 20.
- Gear and manufacture, Silent. W. W. Carter. 1,984,113; Dec. 11.
- Gear and method of manufacture, Silent. R. W. Lytle. 1,943,024; Jan. 9.
- Gear and rotary valve therefor, Power steering. G. W. Jessup. 1,947,991; Feb. 20.
- Gear and segmental rim for use therein. F. H. Bengel. 1,945,415; Jan. 30.
- Gear and spring seat therefor, Draft. D. F. Sproul. 1,972,957; Sept. 11.
- Gear antioverload device, Feed. D. C. Klausmeyer. 1,976,944; Oct. 16.
- Gear assembly, Cartridge type drive. D. C. Klausmeyer and T. L. Gibson. 1,979,474; Nov. 6.
- Gear changing mechanism, Automatic. J. Grisenti. 1,979,830; Nov. 6.
- Gear construction, Tipping. M. F. Edwards. 1,981,725; Nov. 20.
- Gear cutter. J. Gstyr. 1,969,841; Aug. 14.
- Gear cutting apparatus. C. C. Merz. 1,963,756; June 19.
- Gear cutting machine. W. D. Archea. 1,972,823; Sept. 4.
- Gear cutting machine. R. S. Condon and A. P. Schauseil. 1,976,984; Oct. 16.
- Gear-cutting machine. R. Merkel. 1,949,546; Mar. 6.
- Gear cutting machine. W. Schmitt and G. Rothe. 1,961,396; June 5.
- Gear cutting machine and method. A. L. De Leeuw. 1,983,019; Dec. 4.
- Gear drive, Reduction. M. B. Benson. 1,942,796; Jan. 9.
- Gear drive, Variable angle. R. W. Hammitt. 1,970,652; Aug. 21.
- Gear finishing generating machine. E. W. Miller. 1,984,194; Dec. 11.
- Gear for aircraft, Flotation. R. F. Dagnall and A. H. Reffell. 1,956,494; Apr. 24.
- Gear for bodies of motor vehicles, Tipping. S. Burrows. 1,947,328; Feb. 13.
- Gear for internal combustion engines, Cam. A. Kreidler. 1,976,286; Oct. 9.
- Gear for internal-combustion engines, Reversing. J. C. Matthew. 1,950,561; Mar. 13.
- Gear for internal-combustion engines, Starting. A. C. Lock. 1,941,698; Jan. 2.
- Gear for motor cars, Steering. G. Ries. 1,959,548; May 22.
- Gear for motor vehicles, Steering. L. T. Greist. 1,951,147; Mar. 13.
- Gear for motor vehicles, Steering. J. W. Leighton. 1,951,247; Mar. 13.
- Gear for portable cranes, Selective. M. Molinelli. 1,963,308; June 19.
- Gear for stepless changing the rotation of a driven shaft, Friction. D. H. Hevnan. 1,950,675; Mar. 13.
- Gear for use more especially with motor road vehicles, Change speed. H. Austin. 1,973,553; Sept. 11.
- Gear for variable delivery pumps, Control. W. Wallace. 1,947,540; Feb. 20.
- Gear for Z crank axial engines or the like, Rocker. W. A. Coombs. 1,956,944; May 1.
- Gear grinding machine, Helical. E. R. Fellows. 1,942,416; Jan. 9.
- Gear grinding machine, Helical. E. E. Eaton. 1,984,259; Dec. 11.
- Gear lock. A. Benario. 1,964,308; June 26.

- Gear lock. O. E. Fishburn. 1,976,697; Oct. 9.
 Gear mechanism. C. D. Ellis and N. A. Parker. 1,977,508; Oct. 16.
 Gear mechanism. R. J. Reaney. 1,944,370; Jan. 23.
 Gear mechanism, Automatic change speed. J. M. Vetter. 1,984,556; Dec. 18.
 Gear mechanism, Change speed. E. G. Grinham and W. R. Turner. 1,973,807; Sept. 18.
 Gear mechanism, Change-speed. P. Riley. 1,955,656; Apr. 17.
 Gear members, Apparatus and method of producing. J. R. Richer. 1,965,002; July 3.
 Gear of motor vehicles, Steering. A. Shoffman. 1,956,932; May 1.
 Gear of reciprocating mechanism such as jiggers, shaking conveyers and the like, Driving. K. Stroedter. 1,966,319; July 10.
 Gear, particularly for motor vehicles, Articulated differential. F. Porsche and K. Rabe. 1,946,358; Feb. 6.
 Gear pinion. P. J. Muschong. 1,941,994; Jan. 2.
 Gear pump. C. J. Howard. 1,976,227; Oct. 9.
 Gear pump, High pressure. C. H. Kasch. 1,963,705; June 19.
 Gear ratio in automobiles, Simplifying the changing of the. R. Flight. 1,962,064; June 5.
 Gear reduction unit, Worm. G. H. Acker. 1,972,911; Sept. 11.
 Gear selecting and shifting mechanism. R. E. Flanders. 1,975,060; Sept. 25.
 Gear shaper. O. G. Simmons. 1,968,469; July 31.
 Gear shift. L. L. Leece. 1,969,416; Aug. 7.
 Gear shift arrangement, Dashboard. A. Gauthier and E. Lalonde. 1,977,510; Oct. 16.
 Gear shift, Automatic. A. B. Collins. 1,970,738; Aug. 21.
 Gear shift, Automatic pneumatic. H. E. Pérez. 1,979,488; Nov. 6.
 Gear shift control mechanism. J. L. Matthews. 1,946,750; Feb. 13.
 Gear shift controlling mechanism. F. C. Higgins. 1,971,817; Aug. 28.
 Gear shift lever horn button system. J. A. Suiter. 1,985,808; Dec. 25.
 Gear shift mechanism, Vacuum operated. D. F. Linsley. 1,966,865; July 17.
 Gear shifter. O. E. Fishburn and H. H. Robbins. 1,956,528; Apr. 24.
 Gear shifting device, Self-locking. B. Thomson. 1,976,309; Oct. 9.
 Gear shifting mechanism. F. P. Lackinger. 1,975,795; Oct. 9.
 Gear shifting mechanism. F. M. Vandervoort. 1,980,644; Nov. 13.
 Gear-shifting mechanism, Fluid-operated. K. W. Gaskill. Re19,382; Nov. 27.
 Gear shifting mechanism, Hydraulic. H. J. Nathan. 1,950,860; Mar. 13.
 Gear teeth, Apparatus for generating ends of. M. Haas. 1,960,536; May 29.
 Gear teeth, Apparatus for testing the accuracy of. J. Goulder. 1,961,663; June 5.
 Gear testing apparatus. F. A. Firestone, E. J. Abbott, and H. B. Vincent. 1,981,693; Nov. 20.
 Gear testing and lapping machine. O. G. Simmons. 1,958,550; May 15.
 Gear transmission. P. E. Darling and F. T. Bromley. 1,949,294; Feb. 27.
 Gear transmission. F. C. Thompson. 1,975,300; Oct. 2.
 Gear transmission, Helical. R. Beringer. 1,970,729; Aug. 21.
 Gear transmission, (interrupted gear tooth), Sliding. C. D. Peterson. 1,977,204; Oct. 16.
 Gear unit, Reverse. P. D. Harvey. 1,947,847; Feb. 20.
 Gear wheel seat, Automatic adjusting splined. M. M. Condon. 1,943,266; Jan. 9.
 Gear with automatically alternating transmission, Driving. G. H. Schieferstein. 1,974,514; Sept. 25.
 Geared motor. W. P. Schmitter. 1,971,968; Aug. 28.
 Gearing. W. J. Austin. 1,957,989; May 8.
 Gearing. M. Cousin. 1,968,439; July 31.
 Gearing. L. A. and W. F. Cowles, and N. J. Proctor. 1,964,251; June 26.
 Gearing. B. F. Gravely. 1,944,789; Jan. 23.
 Gearing. W. Maag. 1,970,894; Aug. 21.
 Gearing. R. Stevenson. 1,982,768; Dec. 4.
 Gearing. A. B. Stickney. 1,954,686; Apr. 10.
 Gearing, Adjustable. G. H. Earles and A. A. Leftwich. 1,968,338; July 31.
 Gearing, Automotive differential. H. C. Snow and G. W. Harper. 1,955,103; Apr. 17.
 Gearing, Change speed. A. Alltree. 1,982,976; Dec. 4.
 Gearing, Change speed. W. H. Kimpton. 1,966,952; July 17.
 Gearing, Change speed. K. Maybach. 1,949,167; Feb. 27.
 Gearing, Change speed. K. Sieg. 1,984,039; Dec. 11.
 Gearing, Change speed transmission. R. L. Dodge, J. L. Collins, and H. R. Lietzke. 1,951,651; Mar. 20.
 Gearing, Fluid-operated. H. A. Thompson. 1,944,018; Jan. 16.
 Gearing for automatic vehicles, Transmission. J. W. Conners. 1,944,069; Jan. 16.
 Gearing for laundry machines. G. H. Reama. 1,957,978; May 8.
 Gearing for motor vehicles, Differential. M. Walter. 1,941,645; Jan. 2.
 Gearing for performing movements with intercalated periods of standstill. H. Alt. 1,964,900; July 3.
 Gearing for radial aeroplane engines, Planetary reduction. C. Gianani. 1,977,943; Oct. 23.
 Gearing for washing machines. O. E. Stokes. Re19,357; Oct. 30.
 Gearing for washing machines. O. E. Stokes. 1,953,729; Apr. 3.
 Gearing, Housed. R. E. and L. E. Ormsby. 1,943,693; Jan. 16.
 Gearing, Hyperboloidal worm. J. J. Guest. 1,971,260; Aug. 21.
 Gearing, intended particularly for power driven vehicles, Epicyclic. C. Mathys-Muller. 1,983,804; Dec. 11.
 Gearing, Motor vehicle transmission. F. W. Cotterman. 1,981,823; Nov. 20.
 Gearing mounting. J. H. Baninger. 1,956,305; Apr. 24.
 Gearing, Pivotaly supported. F. Sturm and E. Hartmann. 1,956,051; Apr. 24.
 Gearing, Speed reducing. C. B. Hamilton, jr. 1,957,832; May 8.
 Gearing, Starter. W. L. McGrath. 1,985,182; Dec. 18.
 Gearing, Starter. M. P. Whitney. 1,952,645; Mar. 27.
 Gearing, Synchronous shiftable bevel. E. H. Fahrney. 1,951,139; Mar. 13.
 Gearing, Thread spindle. V. Jereczek. 1,985,861; Dec. 25.
 Gearing, Transmission. P. L. Bannan. 1,949,643; Mar. 6.
 Gearing, Transmission. W. E. Dörr. 1,944,682; Jan. 23.
 Gearing, Transmission. E. R. Fish. 1,980,262; Nov. 13.
 Gearing, Transmission. C. A. Roeder. 1,979,080; Oct. 30.
 Gearing, Two-speed. M. B. Morgan. 1,976,887; Oct. 16.
 Gearing, Variable speed transmission. H. W. Bullock. 1,953,551; Apr. 3.
 Gearing, Variable-speed transmission. G. T. Smith-Clarke. 1,949,816; Mar. 6.
 Gearing, Worm. H. E. Merritt. 1,948,795; Feb. 27.
 Gearing, Worm. N. Trbojevlch. 1,980,237; Nov. 13.
 Gearings, Method of and device for producing conjugate worm. H. Schicht. 1,980,554; Nov. 13.
 Gears, Abrading. E. Wildhaber. 1,956,407; Apr. 24.
 Gears and similar articles, Treating. E. F. Davis. 1,963,355; June 19.
 Gears, Attachment for cutting internal. W. E. Sykes. 1,978,064; Oct. 23.
 Gears by lapping, etc., Finishing. E. W. Miller. 1,955,082; Apr. 17.
 Gears, Cutting. E. Wildhaber. 1,978,924; Oct. 30.
 Gears, Cutting bevel and hypoid. E. Wildhaber. 1,956,817; May 1.
 Gears, Cutting spiral bevel. F. H. Adams. 1,973,135; Sept. 11.
 Gears for the locking of point throwing levers and the like, Interlocking. R. Zawadzki. 1,956,751; May 1.
 Gears, Friction change speed. G. Colucci. 1,981,532; Nov. 20.
 Gears, Generating tapered. E. Wildhaber. 1,977,749; Oct. 23.
 Gears, Manufacturing silent. R. W. Lytle. 1,952,811; Mar. 27.
 Gears, Mechanism for disengaging driving. R. W. Kaltenbach. 1,970,174; Aug. 14.
 Gears, Method and equipment for lapping spur-helical and internal. F. C. Hofmann and F. F. Rohl. 1,948,071; Feb. 20.
 Gears, Method of and apparatus for lapping. H. Jackowski. 1,966,172; July 10.
 Gears, Method of and apparatus for lapping. A. C. Page. 1,985,213; Dec. 18.
 Gears, Method of and machine for chamfering. M. H. Hill. 1,985,409; Dec. 25.
 Gears, Method of and machine for cutting. M. H. Hill. 1,964,800; July 3.
 Gears, Method of and machine for cutting. M. H. Hill and M. H. Jobanson. 1,964,799; July 3.
 Gears, Method of and machine for generating. N. Trbojevlch. 1,972,544; Sept. 4.
 Gears, Method of and machine for grinding. R. S. Condon. 1,979,870; Nov. 6.
 Gears, Method of and machine for producing. J. E. Gleason and E. W. Bullock. 1,982,050; Nov. 27.
 Gears, Producing. M. H. Jobanson. 1,977,765; Oct. 23.
 Gears, Producing. N. Trbojevlch. 1,954,504; Apr. 10.
 Gears, Producing. E. Wildhaber. 1,980,365; Nov. 13.
 Gears, Producing. E. Wildhaber. 1,982,036; Nov. 27.
 Gears, Retarding device for. A. Barényi. 1,972,971; Sept. 11.
 Gears, Stabilizing reverse. E. D. Caldwell and L. S. Wilbur. 1,965,406; July 3.
 Gel and making same. G. C. Connolly and J. A. Pierce. 1,976,875; Oct. 16.
 Gel and making same, Synthetic inorganic. C. S. Howe. 1,943,532; Jan. 16.
 Gel composition, Inorganic. R. Cross. 1,943,584; Jan. 16.
 Gelatin reliefs and making metal casts therefrom, Developing. A. Murray. 1,942,872; Jan. 9.
 Gelatine relief, Photographically produced. M. Martinez. 1,954,325; Apr. 10.
 Gelatinous material, Method and apparatus for rapidly drying. D. Abernethy. 1,980,898; Nov. 13.
 Gelatinous product. D. Abernethy. 1,974,228; Sept. 18.
 Gels, Making. W. Vaughan. 1,945,838; Feb. 6.
 Gem setting. J. Braun. Des. 92,287; May 22.
 Gem setting. W. H. Rothe. Des. 92,825; July 17.
 Generating and battery charging system. R. H. Sullivan. 1,968,971; Aug. 7.

- Generating plant, Automatic. B. Lazich. 1,976,236; Oct. 9.
- Generating system. B. M. Leece and D. S. Cole. 1,962,992; June 12.
- Generator: See—
- Acetylene gas generator. Oscillation generator.
- Acetylene generator. Ozone generator.
- Adjustable grate generator. Pipe welding generator.
- Alternating current generator. Polyphase converter-generator.
- Current generator. Power generator.
- Direct current generator. Range and steam generator.
- Elastic fluid generator. Steam generator.
- Electric generator. Steam or vapor generator.
- Electric ozone generator. Thermionic valve generator.
- Electric steam generator. Thermostatic generator.
- Fuel gas generator. Tone generator.
- Gas generator. Tube generator.
- Gaseous fuel generator. Vapor generator.
- High frequency generator. Vapor lamp generator.
- Homopolar generator. Vaporizing generator.
- Impulse generator. Water-gas generator.
- Linear voltage generator. Windmill driven generator.
- Multiple exhaust generator.
- Neon lamp generator.
- Oil gas generator.
- Generator and purifier, Combined. W. J. Huff, L. Logan, and O. W. Lusby. 1,947,778; Feb. 20.
- Generator control. F. J. Pease. 1,984,696; Dec. 18.
- Generator drive assembly. F. O. Marshall. 1,948,473; Feb. 20.
- Generator for earth inductor compasses. M. M. Titterton. 1,959,251; May 15.
- Generator for individual heating unit, Electrically operated steam. T. H. Noll. 1,950,511; Mar. 13.
- Generator regulation. B. F. Buckler. 1,955,111; Apr. 17.
- Generator regulator. H. S. de Malaussene. 1,954,562; Apr. 10.
- Generator regulator for motor vehicles equipped with free-wheeling. H. S. de Malaussene. 1,954,563; Apr. 10.
- Generator ventilator. L. A. Koch, jr. Des. 92,723; July 10.
- Generator voltage regulator. C. P. West. 1,985,004; Dec. 18.
- Generator with alternate poles, Double-winding. C. M. Laffoon, L. A. Kilgore, and R. E. Powers. 1,949,424; Mar. 6.
- Generator with pumping attachment, Wind-driven electric power. G. Manikowske. 1,941,611; Jan. 2.
- Generators, Elastic fluid turbine driving electric. A. H. Law and J. P. Chittenden. 1,959,373; May 22.
- Geological formations, and especially for the study of porous strata encountered by a bore hole, Reconnaissance of the. C. Schlumberger. 1,970,342; Aug. 14.
- Geological structure, Determining. K. E. Burg. 1,978,668; Oct. 20.
- Geological survey, Conducting. F. W. Lee. 1,951,760; Mar. 20.
- Geometrical instrument. H. T. Budenbom. 1,951,899; Mar. 20.
- Geometrical instrument. A. O. Wallerius. 1,948,952; Feb. 27.
- Geophysical exploration, Apparatus for. R. H. Varian. 1,951,716; Mar. 20.
- Geophysical measurements, Apparatus for making. F. J. G. Neumann and W. R. Haubold. 1,983,483; Dec. 4.
- Germicidal preparation. E. Klarmann. 1,953,413; Apr. 3.
- Germicidal preparation. E. Klarmann. 1,984,646; Dec. 18.
- Getter in vacuum tubes. L. Sutherland. 1,966,226; July 10.
- Getter material, Making. S. Umbreit. 1,979,506; Nov. 6.
- Gibbing and tying means for press frames. M. R. Hatch. 1,959,865; May 22.
- Gift-wrapping assembly. W. Robichaud. 1,951,561; Mar. 20.
- Gift wrapping ensemble. C. Weiner. 1,942,673; Jan. 9.
- Glimping machine. D. J. Mayer. 1,949,484; Mar. 6.
- Gin ribs, Making. O. Mitchell. 1,983,300; Dec. 4.
- Girder for aircraft, Light weight. L. Dürr. 1,943,256; Jan. 9.
- Girder, Plate. F. Bauer. 1,977,371; Oct. 16.
- Girder, Plate. W. H. Weiskopf and J. W. Pickworth. 1,946,049; Feb. 6.
- Girdle. J. Bloom. 1,981,136; Nov. 20.
- Girdle. S. D. Kops. Des. 92,408; June 5.
- Girdle. M. S. Strait. 1,945,093; Jan. 30.
- Gland and the like. A. G. Royle. 1,976,966; Oct. 16.
- Glare breaker for headlights. W. H. J. Downey. 1,961,284; June 5.
- Glare protector for automobiles and other vehicles. W. Geist. 1,982,511; Nov. 27.
- Glareshield for motor vehicles. H. B. Chase. 1,953,877; Apr. 3.
- Glare shield mechanism. H. E. Williams. 1,958,934; May 15.
- Glass and frame. Sealed double-pane. H. D. Geyer. 1,975,895; Oct. 9.
- Glass and making it, Composite. M. L. Macht. 1,954,055; Apr. 10.
- Glass and making same. E. E. Fisher. 1,962,495; June 12.
- Glass and making same, Ornamental. G. L. West. 1,983,720; Dec. 11.
- Glass and making the same, Laminated. P. R. Morris. 1,974,624; Sept. 25.
- Glass and making the same, Laminated. W. H. Moss. 1,947,486; Feb. 20.
- Glass and making the same, Laminated. W. H. Moss. 1,953,971; Apr. 10.
- Glass and producing the same, Laminated. G. B. Watkins. 1,960,520; May 29.
- Glass and tumbler washer. E. Schnee. 1,959,842; May 22.
- Glass apparatus. J. L. Drake. 1,945,601; Feb. 6.
- Glass, Apparatus for and method of making wire. E. W. Paxton and A. W. Schmid. 1,960,315; May 29.
- Glass, Apparatus for case hardening. L. V. Black. 1,970,730; Aug. 21.
- Glass, Apparatus for drawing sheet. D. Adams. 1,967,047; July 17.
- Glass, Apparatus for feeding. A. H. Stewart. 1,965,438; July 3.
- Glass, Apparatus for feeding molten. G. E. Rowe. 1,976,193; Oct. 9.
- Glass, Apparatus for feeding predetermined different weights of molten. J. T. Wood. 1,955,869; Apr. 24.
- Glass, Apparatus for flowing and distributing molten. L. D. Soubier. 1,967,378; July 24.
- Glass, Apparatus for gathering molten. L. D. Soubier. 1,978,032; Oct. 23.
- Glass, Apparatus for grinding the edges of sheet. W. Owen. 1,966,869; July 17.
- Glass, Apparatus for grooving laminated. J. G. Oliver. 1,954,057; Apr. 10.
- Glass, Apparatus for grooving laminated. W. G. Hullhorst. 1,948,581; Feb. 27.
- Glass, Apparatus for handling and inspecting plate. H. S. Heichert. 1,983,755; Dec. 11.
- Glass, Apparatus for inspecting. D. H. Boggs. 1,974,598; Sept. 25.
- Glass, Apparatus for inspecting. D. H. Boggs and W. J. Hefner. 1,956,165; Apr. 24.
- Glass, Apparatus for maintaining the thickness of drawn. J. Arrault. 1,941,924; Jan. 2.
- Glass, Apparatus for making and refining. J. Ferguson. 1,979,609; Nov. 6.
- Glass, Apparatus for making composite. E. L. Fix and B. J. Dennison. 1,956,168; Apr. 24.
- Glass, Apparatus for making insulating. J. H. Fox. 1,984,924; Dec. 18.
- Glass, Apparatus for making insulating. W. Owen. 1,984,942; Dec. 18.
- Glass, Apparatus for making sheet. J. S. Gregorius. 1,956,170; Apr. 24.
- Glass, Apparatus for producing sheet. C. Cone. 1,948,563; Feb. 27.
- Glass, Apparatus for sealing laminated. G. B. Watkins and R. W. Wampler. 1,983,156; Dec. 4.
- Glass, Apparatus for severing sheet. W. Owen. 1,973,723; Sept. 18.
- Glass, Apparatus for the production of wired. J. Gaskell. 1,967,932; July 24.
- Glass, Apparatus for treating sheet. C. H. Wright and B. H. Weekley. 1,972,965; Sept. 11.
- Glass apparatus, Sheet. F. R. Hohmann. 1,961,494; June 5.
- Glass article. I. O. Pedersen and E. G. Stahle. 1,979,573; Nov. 6.
- Glass article, Making a. W. A. Ingler. 1,947,526; Feb. 20.
- Glass articles, Apparatus for fire finishing. R. A. Cosh. 1,949,901; Mar. 6.
- Glass articles, Apparatus for forming hollow. L. D. Soubier. 1,981,636; Nov. 20.
- Glass articles, Gauging. D. E. Gray. 1,960,151; May 22.
- Glass articles, Making blown. L. D. Soubier. 1,949,887; Mar. 6.
- Glass articles, Manufacture of tubular. A. Hofmann and V. Anderson. 1,974,399; Sept. 18.
- Glass articles, Method and apparatus for cooling. W. H. Rising. 1,951,950; Mar. 20.
- Glass automatically, Apparatus for scoring and snapping flat. F. B. Waldron. 1,972,210; Sept. 4.
- Glass blank transfer. C. C. Kinker. 1,985,416; Dec. 25.
- Glass-blowing machine. J. W. Lynch and E. G. Bridges. 1,948,928; Feb. 27.
- Glass, Calking laminated. E. H. Haux. 1,970,748; Aug. 21.
- Glass, Circulating molten. F. Flexon. 1,959,417; May 22.
- Glass cleaning implement, Window. L. Koukal. 1,975,585; Oct. 2.
- Glass, Coin controlled. V. C. Boydston. 1,967,737; July 24.
- Glass composition. E. E. Fisher. 1,962,496; June 12.
- Glass composition for electrical discharge devices. M. Pirani, M. Reger, and G. Gaidies. 1,969,277; Aug. 7.
- Glass construction. H. W. Weld. 1,943,995; Jan. 16.
- Glass, Controlling the composition of. H. H. Blau. 1,955,451; Apr. 17.
- Glass cooler and process of absorbing heat, Sheet. J. L. Drake. 1,953,341; Apr. 3.
- Glass cutter. A. T. Fletcher. 1,962,238; June 12.
- Glass cutter. W. H. Shortell. Des. 93,639; Oct. 16.
- Glass cutting apparatus. E. J. Brasseur and G. J. Rice. 1,970,930; Aug. 21.
- Glass cutting apparatus. W. Owen. 1,946,356; Feb. 6.
- Glass cutting apparatus. W. Owen. 1,984,943; Dec. 18.
- Glass cutting apparatus, Sheet. J. L. Drake. 1,970,932; Aug. 21.
- Glass cutting machine. W. A. Lockhart. 1,977,135; Oct. 16.

- Glass cutting machine. A. L. and E. J. Shaw. 1,961,082; May 29.
- Glass, Decorating. A. H. Ernst. 1,977,625; Oct. 23.
- Glass designing. A. D. Nash. 1,952,454; Mar. 27.
- Glass, Device for grooving safety. C. E. Smith. 1,954,061; Apr. 10.
- Glass, Device for use in cutting. W. Owen. 1,974,627; Sept. 25.
- Glass drawing tank. H. L. Halbach. 1,980,992; Nov. 20.
- Glass, Drinking. R. B. Griffin. Des. 93,871; Nov. 20.
- Glass, Drinking. E. A. Walton. Des. 92,218-19; May 8.
- Glass edge working machine. K. A. Weber. 1,958,526; May 15.
- Glass-enclosed spaces, Dehydrating. D. E. Rutishauser. 1,956,628; May 1.
- Glass, etc., Method of and apparatus for melting. P. L. Geer. H. A. Moore, and W. A. Morton. 1,973,689; Sept. 11.
- Glass feed, Automatic. C. G. Hilgenberg and C. B. Garwood. 1,982,253; Nov. 27.
- Glass feeder. J. W. Ross. 1,982,761; Dec. 4.
- Glass feeder, Pneumatic. H. S. Brady, I. H. Freese, and H. R. Eccleston. 1,959,811; May 22.
- Glass feeder, Pneumatic. I. H. Freese. 1,959,821; May 22.
- Glass feeder, Pneumatic. D. Stenhouse. 1,959,506; May 22.
- Glass feeding apparatus. A. H. Stewart. 1,961,093; May 29.
- Glass, Feeding molten. J. Bailey. 1,970,354; Aug. 14.
- Glass, Field. O. E. Trautmann and O. G. H. Kallenbach. 1,952,224; Mar. 27.
- Glass forming apparatus, Sheet. D. H. Goodwillie. 1,967,025; July 17.
- Glass forming machine. I. H. Freese. 1,980,047; Nov. 6.
- Glass forming machine. J. F. Rule. 1,967,452; July 24.
- Glass furnace. C. C. Kinker. 1,980,344; Nov. 13.
- Glass furnace. J. E. McBurney. 1,977,968; Oct. 23.
- Glass furnace. L. D. Soubier. 1,949,380; Feb. 27.
- Glass gathering and forming machine, Suction type. L. D. Soubier. 1,967,377; July 24.
- Glass gathering machinery. G. Lufkin. 1,977,967; Oct. 23.
- Glass, Gauge. S. F. Weston. 1,977,603; Oct. 16.
- Glass grinding apparatus. C. E. Henderson. 1,955,128; Apr. 17.
- Glass grinding apparatus. F. B. Waldron. 1,956,781; May 1.
- Glass grinding machine. H. J. Hamann. 1,961,487; June 5.
- Glass grinding machine. M. R. Schottland. 1,980,932; Nov. 13.
- Glass, Grooving laminated. E. H. Haux. 1,966,817; July 17.
- Glass handling apparatus. H. S. Heichert. 1,970,749; Aug. 21.
- Glass, Headlight cover. G. M. Cressaty. Des. 91,805; Mar. 27.
- Glass, Heat absorbing. E. Berger. 1,961,603; June 5.
- Glass holder. E. R. Collins. 1,949,708; Mar. 6.
- Glass holder. M. H. Hewlett. Des. 91,661; Mar. 6.
- Glasshouse. R. Ritter. 1,970,708; Aug. 21.
- Glass, Illuminating magnifying. C. M. Lindsay. 1,960,114; May 22.
- Glass, Laminated. W. L. Monro. 1,980,970; Nov. 13.
- Glass, Laminated. W. L. Monro. 1,981,703; Nov. 20.
- Glass, Laminated. G. B. Watkins. 1,963,601; June 19.
- Glass, Laminated safety. G. H. Murray. 1,958,013; May 8.
- Glass, Laminated safety. J. D. Ryan and G. B. Watkins. 1,976,750; Oct. 16.
- Glass level control mechanism and method. H. W. McIntosh. 1,977,969; Oct. 23.
- Glass machine. K. W. Sommer and P. Maca. 1,950,758; Mar. 13.
- Glass machine. Continuous rotation. C. C. Kinker. 1,980,343; Nov. 13.
- Glass, Machine for working. V. L. Ronci. 1,969,525; Aug. 7.
- Glass making machine. E. B. Hunter. 1,952,593; Mar. 27.
- Glass, Manufacture of changeant or opalescent. N. Kreidl. 1,975,397; Oct. 2.
- Glass, Manufacture of tempered. B. Long. 1,960,222; May 22.
- Glass manufacture, Sheet. N. Franzen. 1,956,860; May 1.
- Glass melting furnace. P. L. Geer. 1,973,688; Sept. 11.
- Glass melting furnace. G. Lufkin and F. Flexon. 1,981,625; Nov. 20.
- Glass, Method and apparatus for cooling. J. T. Littleton. 1,981,560; Nov. 20.
- Glass, Method and apparatus for making. V. Mulholland. 1,953,023; Mar. 27.
- Glass, Method and apparatus for making safety. J. H. Sherts. 1,959,221; May 15.
- Glass, Method and apparatus for making wire. C. B. Kingsley. 1,945,895; Feb. 6.
- Glass, Method and apparatus for use in the cutting of. C. B. Schafer. 1,985,520; Dec. 25.
- Glass method and apparatus, Spun. H. J. Blum. 1,950,219; Mar. 6.
- Glass, Method for pouring. A. D. H. Chan. 1,955,952; Apr. 24.
- Glass, Method of and apparatus for feeding. E. C. Stewart. 1,961,015; May 29.
- Glass, Method of and apparatus for feeding molten. S. G. Stuckey. 1,945,871; Feb. 6.
- Glass, Method of and apparatus for making. W. O. Amsler. 1,941,778; Jan. 2.
- Glass, Method of and apparatus for making. H. A. Wadman. 1,944,855; Jan. 23.
- Glass, Method of and apparatus for severing wire. E. W. Faxon. 1,959,545; May 22.
- Glass, Method of and apparatus for supplying molten. A. J. Smith. 1,963,763; June 19.
- Glass molding apparatus. A. R. Bethel. 1,979,661; Nov. 6.
- Glass molding machine. R. G. Allen. 1,974,841; Sept. 25.
- Glass, Nonglare safety. J. H. Sherts. 1,966,833; July 17.
- Glass, Obstructing the flow of molten. L. Boudin. 1,960,186; May 22.
- Glass, Opaque. J. C. Parkinson. 1,956,176; Apr. 24.
- Glass, Optical. E. Berger. 1,943,051; Jan. 9.
- Glass or similar article, Beverage. W. H. Hommel. Des. 93,272; Sept. 11.
- Glass pipe. D. E. Gray. 1,975,269; Oct. 2.
- Glass, Plate. F. Gelstharp. 1,954,077; Apr. 10.
- Glass plates or strips, Apparatus for polishing. J. H. Griffin. 1,964,320; June 26.
- Glass polishing tool. F. B. Waldron. 1,946,955; Feb. 13.
- Glass, Process and apparatus for annealing sheet. D. Adams. 1,955,163; Apr. 17.
- Glass, Process and apparatus for cutting and handling sheet. E. G. Green. 1,967,055; July 17.
- Glass, Process and apparatus for feeding. W. J. Miller and E. A. Lawrence. 1,942,035; Jan. 2.
- Glass, Process and apparatus for making case hardened. W. Owen. 1,959,215; May 15.
- Glass, Process and apparatus for producing laminated. F. Fraser. 1,960,580; May 29.
- Glass, Process and apparatus for sealing laminated. F. Fraser. 1,953,344; Apr. 3.
- Glass, Process and apparatus for surfacing plate. F. V. Wilhelm and T. K. Gregorius. 1,959,225; May 15.
- Glass, Producing laminated. A. C. Schoepfer. 1,944,277; Jan. 23.
- Glass, Producing laminated. G. B. Watkins. 1,982,712; Dec. 4.
- Glass, Producing safety. G. B. Watkins. 1,980,510; Nov. 13.
- Glass product and manufacturing sponge-like glass. B. Long. 1,945,052; Jan. 30.
- Glass replacement tool. H. T. Hall. 1,955,630; Apr. 17.
- Glass rolling apparatus, Plate. J. H. Fox. 1,946,397; Feb. 6.
- Glass rolling machine, Sheet. C. Cone. 1,975,827; Oct. 9.
- Glass rolling means. Y. Brancart. 1,963,486; June 19.
- Glass run channel structure. J. S. Reid. 1,951,671; Mar. 20.
- Glass, Safety. L. V. Black. 1,976,915; Oct. 16.
- Glass, Safety. J. D. Ryan. 1,976,749; Oct. 16.
- Glass, Safety. J. D. Ryan and W. J. Arner. 1,976,748; Oct. 16.
- Glass, Safety. R. W. Wampler. 1,963,569; June 19.
- Glass, Safety. G. B. Watkins. 1,963,602; June 19.
- Glass, Safety. G. B. Watkins and J. D. Ryan. 1,976,758; Oct. 16.
- Glass sheets, Apparatus for scoring corrugated. G. Aurlen. 1,965,065; July 3.
- Glass sheets, Apparatus for tempering. C. Ziegler. 1,944,625; Jan. 23.
- Glass sheets, Apparatus for use in the packing of. A. Angelo. 1,982,621; Dec. 4.
- Glass sheets from the forming machine to the leers, Feeding. L. von Reis. 1,967,638; July 24.
- Glass sheets, Leering. R. Genenger. 1,967,613; July 24.
- Glass sheets, Process of and apparatus for tempering. B. Long. 1,971,268; Aug. 21.
- Glass sheets, Separating. A. E. Spinasse. 1,973,546; Sept. 11.
- Glass silk, Apparatus for the production of. O. H. A. Kröger and O. A. Oswald. 1,968,693; July 31.
- Glass supporting stand. H. F. Clark and L. J. Pierce. 1,960,805; May 29.
- Glass surface on film support, Manufacture of ground. A. D. Slack. 1,969,481; Aug. 7.
- Glass surfaces, Chemically etching. H. E. Wetherbee. 1,980,021; Nov. 6.
- Glass tank. W. O. Amsler. 1,941,779; Jan. 2.
- Glass tank. G. Dougherty. 1,957,252; May 1.
- Glass-to-metal thermal joint. M. E. Nordberg. 1,964,329; June 26.
- Glass to suction cups, Apparatus for feeding molten. W. A. Morton. 1,978,645; Oct. 30.
- Glass transfer mechanism. S. B. Bowman and T. Stenhouse. 1,942,084; Jan. 2.
- Glass transporting mechanism, Plate. V. Olen. 1,953,056; Mar. 27.
- Glass treatment. H. R. Moulton. 1,960,121; May 22.
- Glass tube cutter. E. H. Fahrney. 1,951,140; Mar. 13.
- Glass, Two-part service. E. W. Holl. 1,943,866; Jan. 16.
- Glass, Ultra-violet transmitting. K. Fuwa. 1,971,309; Aug. 21.
- Glass, Ultra violet ray transmitting. K. Fuwa and F. Suzuki. 1,983,359; Dec. 4.
- Glassware and the like, Apparatus for annealing. P. L. Geer and W. A. Morton. 1,966,292; July 10.
- Glassware annealing leir. G. Lufkin. 1,967,365; July 24.
- Glassware, Apparatus for annealing. W. A. Morton and P. L. Geer. 1,982,477; Nov. 27.

- Glassware, Apparatus for annealing. H. A. Wadman. 1,961,512; June 5.
- Glassware, Apparatus for forming. K. E. Peiler and A. J. Smith. 1,944,844; Jan. 23.
- Glassware, Apparatus for making. K. E. Peiler. 1,971,352; Aug. 28.
- Glassware, Apparatus for making. K. E. Peiler. 1,975,050; Sept. 25.
- Glassware by surface treatment, Strengthening. J. B. Murgatroyd. 1,973,501; Sept. 11.
- Glassware, Footed. H. R. Schutz. 1,977,091; Oct. 16.
- Glassware forming apparatus. G. E. Rowe. 1,979,211; Oct. 30.
- Glassware forming machine. R. G. Allen. 1,970,792; Aug. 21.
- Glassware forming machine. R. G. Allen and J. E. McLaughlin. 1,981,937; Nov. 27.
- Glassware forming machine. J. P. Benolt and L. D. Soubier. 1,949,894; Mar. 6.
- Glassware forming machine. J. R. Hoge. 1,959,428; May 22.
- Glassware forming machine. E. H. Lorenz and G. E. Rowe. 1,976,239; Oct. 9.
- Glassware forming machine. F. O'Neill. 1,981,244; Nov. 20.
- Glassware forming machine. L. D. Soubier. 1,976,583; Oct. 9.
- Glassware forming machine. L. D. Soubier. 1,977,741-2; Oct. 23.
- Glassware forming machine. L. D. Soubier and J. E. Collins. 1,949,886; Mar. 6.
- Glassware forming machine. L. D. Soubier and C. W. Schreiber. 1,977,743; Oct. 23.
- Glassware, Making articles of. R. C. Cobel. 1,960,729; May 29.
- Glassware, Manufacture of. A. Schiller. 1,948,682; Feb. 27.
- Glassware, Manufacture of hollow. G. E. Rowe. 1,945,982; Feb. 6.
- Glassware, Method and apparatus for making footed. H. R. Schutz. 1,972,717; Sept. 4.
- Glassware, Method and apparatus for manufacturing. S. B. Bowman and F. C. Flint. 1,980,373; Nov. 13.
- Glassware, Method of and apparatus for annealing. H. L. Eastman. 1,947,408; Feb. 13.
- Glassware, Method of and apparatus for annealing. W. A. Morton and P. L. Geer. 1,982,478; Nov. 27.
- Glassware, Method of and apparatus for annealing. H. A. Wadman. 1,974,058; Sept. 18.
- Glassware, Method of and apparatus for forming. E. H. Lorenz. 1,974,824; Sept. 25.
- Glassware, Method of and apparatus for forming. K. E. Peiler. 1,944,866; Jan. 23.
- Glassware, Method of and apparatus for forming hollow. K. E. Peiler. 1,955,765; Apr. 24.
- Glassware, Method of and apparatus for forming hollow. G. E. Rowe. 1,956,203; Apr. 24.
- Glassware, Method of and apparatus for making. J. E. Collins and J. E. McLaughlin. 1,949,899; Mar. 6.
- Glassware, Method of and apparatus for making pressed and blown hollow. E. O. Hiller. 1,982,103; Nov. 27.
- Glassware, Method of and apparatus for manufacturing hollow. G. E. Rowe. 1,945,983; Feb. 6.
- Glassware, Ornamental. A. H. Stewart. 1,963,156; June 19.
- Glassware shaping apparatus. C. F. Miller, jr. 1,957,410; May 1.
- Glass with salt. Method and apparatus for making. H. A. Wadman. 1,970,112; Aug. 14.
- Glass working apparatus. W. L. Van Ness. 1,943,195; Jan. 9.
- Glass working machine. B. T. Headley and P. H. Thompson. 1,948,218; Feb. 20.
- Glass working method and machine. B. T. Headley and P. H. Thompson. 1,948,219; Feb. 20.
- Glasses and enamels, Production of opaque. I. Kreidl. 1,948,461; Feb. 20.
- Glasses and the like. F. Spill. 1,955,690; Apr. 17.
- Glasses, Device for fixing. A. Magis. 1,973,644; Sept. 11.
- Glasses, Sport. A. E. Jones. 1,950,925; Mar. 13.
- Glaze cutter. M. I. Seiler. 1,946,416; Feb. 6.
- Glaze or enamel. K. E. Long. 1,954,390; Apr. 10.
- Glazing bar. J. A. McDonald. 1,942,871; Jan. 9.
- Glazing construction. S. K. Huston, jr. 1,976,993; Oct. 16.
- Glazing, Double. J. C. Parkinson. 1,954,058; Apr. 10.
- Glazing machine. A. H. Baughan and R. C. Oyster. 1,977,704; Oct. 23.
- Glider. P. E. G. Ericson. 1,953,752; Apr. 3.
- Glider. P. Goodman. Des. 91,997; Apr. 17.
- Glider. W. R. McGowen. Des. 92,012-13; Apr. 17.
- Glider. E. J. Potts and C. A. Sheldon. 1,958,312; May 8.
- Glider. I. P. Smith. 1,973,229; Sept. 11.
- Glider. C. I. Sweet. Des. 93,427; Sept. 25.
- Glider. H. E. Wolf. 1,974,396; Sept. 18.
- Glider. J. Yassay. Des. 93,904; Nov. 20.
- Glider frame. C. E. Friesner. 1,956,830; May 1.
- Glider frame construction. C. E. Friesner. 1,973,753; Sept. 18.
- Glider frame construction. M. B. Smith. 1,962,917; June 12.
- Glider, Health. E. V. Traver. 1,982,843; Dec. 4.
- Globe, Advertising. J. S. Wilkinson. 1,963,317; June 19.
- Globe, Advertising. J. S. Wilkinson. 1,973,455; Sept. 11.
- Globe dial fixture. R. H. Schulz. 1,981,253; Nov. 20.
- Globe holder. G. H. Seal. 1,978,031; Oct. 23.
- Globe holder. A. G. Steinmayer and R. L. Smythe. 1,961,462; June 5.
- Globe holder. I. G. Webb. 1,942,156; Jan. 2.
- Globe with appliances mounting for attaching them. F. Deutsch. 1,942,805; Jan. 9.
- Globes, Method and mold for making. J. C. Smith. 1,956,161; Apr. 24.
- Glossimeter. A. H. Pfund. 1,949,619; Mar. 6.
- Glove. P. A. Chanut. 1,981,779; Nov. 20.
- Glove. W. H. Gillespie. 1,984,183; Dec. 11.
- Glove. C. H. Gordon. Des. 92,957; Aug. 7.
- Glove. I. Steinberger. 1,984,240; Dec. 11.
- Glove. C. F. Sturm. 1,963,595; June 19.
- Glove. H. R. Ziegler. Des. 92,223; May 8.
- Glove, Baseball player's. A. Richey, jr. 1,964,175; June 26.
- Glove drying device. J. G. Swartz. 1,969,953; Aug. 14.
- Glove manufacture. H. A. Gillian. 1,944,505; Jan. 23.
- Glove or mitt construction, Athletic. K. K. Kirkham. 1,974,616; Sept. 25.
- Glove ornament. J. A. Mitchell. 1,949,755; Mar. 6.
- Glove, Rubber. A. A. Wiley. 1,979,130; Oct. 30.
- Glove structure, Dress. P. A. Chanut. 1,984,461; Dec. 18.
- Gloves, Forming rubber. D. F. Twiss and E. A. Murphy. 1,951,377; Mar. 20.
- Glow cathode. W. Espe and F. Evers. 1,954,474; Apr. 10.
- Glow discharge tube. M. Ponte. 1,983,638; Dec. 11.
- Glow discharge tube, Electric. G. Holst, M. J. Drievesteyn, J. H. de Boer, and M. C. Teves. 1,976,397; Oct. 9.
- Glow lamp. T. Kowvallis. 1,969,566; Aug. 7.
- Glowlamp. S. F. Marvin and P. J. Kayatt. 1,954,420-1; Apr. 10.
- Glow lamp. F. Michelissen and F. Schröter. 1,955,079; Apr. 17.
- Glowlamp. J. Weinberger. 1,954,231; Apr. 10.
- Glow lamp. R. M. Williams. 1,975,243; Oct. 2.
- Glow lamp, Electric cathode. H. Ewest. 1,961,748; June 5.
- Glow-light for lighting fixtures. T. Chanock. 1,966,485; July 17.
- Glucosides, Production of. B. Helferich and E. Schmitz-Hillebrecht. 1,966,033; July 10.
- Glue. G. H. Osgood. 1,950,060; Mar. 6.
- Glue and gelatin, Electrosomotic fractionation of. A. Jenny. 1,942,478; Jan. 9.
- Glue and the product thereof, Preparation of. E. F. Christopher and F. L. De Beukelaer. 1,950,483; Mar. 13.
- Glue applying apparatus. M. J. Milmo. 1,957,470; May 8.
- Glue applying apparatus. M. J. Milmo. 1,960,228; May 22.
- Glue from bones, Producing. D. Sakon. 1,951,260; Mar. 13.
- Glue treatment. C. E. Rozema. 1,967,688; July 24.
- Glue, Vegetable protein. R. G. Peterson. 1,977,404; Oct. 16.
- Gluer. H. J. Goss. 1,981,038; Nov. 20.
- Gluing machine. C. L. Humphrey and R. K. Lee. 1,982,004; Nov. 27.
- Gluing method and apparatus. E. H. Merritt. 1,980,216; Nov. 13.
- Gluten from flour, Apparatus for mechanically preparing. P. Barbade. 1,948,453; Feb. 20.
- Glycerides, Hydration of. E. F. Spellmeyer. 1,976,376; Oct. 9.
- Glycerin lyes, Processing. J. J. Healy, jr. 1,973,380; Sept. 11.
- Glycerine, Purifying. A. Jenny. 1,955,237; Apr. 17.
- Go-cart, Folding. D. W. Siebert and A. A. Greenwood. 1,978,915; Oct. 30.
- Goblet. E. Kanter. Des. 91,409; Jan. 23.
- Goblet or article of similar nature, Glass. R. C. Irwin. Des. 92,247; May 15.
- Goblet or article of similar nature, Glass. E. H. Mann. Des. 93,120; Aug. 21.
- Goblet or similar article. E. M. Bottome. Des. 93,380; Sept. 25.
- Goblet or similar article. G. Sakier. Des. 92,113; Apr. 24.
- Goggles. N. M. Baker. 1,942,394; Jan. 9.
- Goggles. N. M. Baker. 1,943,910; Jan. 16.
- Goggles. C. E. Fraser. 1,947,137; Feb. 13.
- Goggles. R. S. Gray. 1,963,487; June 19.
- Goggles. H. K. Halikman. 1,968,142-3; July 31.
- Goggles, Antiglare. J. A. Marchner. 1,957,071; May 1.
- Goggles, Aviation. F. Willson and H. F. Shindel. 1,949,595; Mar. 6.
- Goggles, Aviator's. N. M. Baker. 1,942,393; Jan. 9.
- Goggles, Electrically heated. A. H. Gilkeson and J. H. Herr. 1,963,990; June 26.
- Gold and antimony contained in antimony sulphide ores, Separating. H. W. C. Annable. 1,964,781; July 3.
- Gold and other precious metals from milled ores and placer material, Apparatus for recovering. F. D. Lewis. 1,983,701; Dec. 11.
- Gold bearing material, Treatment of. W. E. John and E. Beyers. 1,952,988; Mar. 27.
- Gold leaf, Applying. D. D. Swift and H. E. Robertson. 1,974,349; Sept. 18.
- Gold leaf carrier, Manufacture of. D. D. Swift. 1,974,883; Sept. 25.
- Gold-saving apparatus. G. L. Covington. 1,947,035; Feb. 13.
- Gold separator. R. F. Berry and R. L. Moon. 1,948,781; Feb. 27.

- Gold separator. W. J. Burke and L. D. Stower. 19,66,001; July 10.
- Gold washing and concentrating machine for placer sands and quartz ores. Portable. W. A. McCullough. 1,973,770; Sept. 18.
- Golf bag. E. C. Deibel. 1,956,008; Apr. 24.
- Golf bag. A. L. Lathrop. 1,955,463; Apr. 17.
- Golf bag. S. D. Locke and H. J. Stegeman. 1,951,158; Mar. 13.
- Golf bag. R. Reichhart. 1,961,454; June 5.
- Golf bag. R. W. Schneider. 1,951,492; Mar. 20.
- Golf bag stand. G. A. Huehn. 1,982,388; Nov. 27.
- Golf bag support. W. H. Gunther. 1,970,849; Aug. 21.
- Golf bag support. A. A. Zack. 1,978,242; Oct. 23.
- Golf bag supporting means. G. F. Schutes. 1,978,230; Oct. 23.
- Golf bag supporting stand. J. L. Donovan. 1,960,099; May 22.
- Golf ball. W. C. Burbank. Des. 91,919; Apr. 10.
- Golf ball practice driving apparatus. A. D. Harnett. 1,966,960; July 17.
- Golf ball practice machine. M. T. Thompson. 1,971,057; Aug. 21.
- Golf ball teeing device. C. C. Beckett. 1,952,113; Mar. 27.
- Golf ball vending machine. C. F. Grim. 1,952,244; Mar. 27.
- Golf ball washer. F. C. Lerch. 1,954,738; Apr. 10.
- Golf balls or the like. Machine for cleaning. O. E. Heisser. 1,974,185; Sept. 18.
- Golf club. W. T. Aldrich. 1,981,085; Nov. 20.
- Golf club. G. E. Barnhart. Des. 92,571; June 26.
- Golf club. G. E. Barnhart. Des. 93,756; Nov. 6.
- Golf club. G. E. Barnhart. Des. 93,862; Nov. 20.
- Golf club. H. M. Brading. 1,980,031; Nov. 6.
- Golf club. A. E. Buhrke and A. F. Heeter. 1,976,323-4; Oct. 9.
- Golf club. L. J. Cocke. 1,958,032; May 8.
- Golf club. R. H. Cowdery. 1,983,069; Dec. 4.
- Golf club. W. L. Dyce. 1,946,134; Feb. 6.
- Golf club. P. E. Heller. 1,953,604; Apr. 3.
- Golf club. A. S. Iles. 1,960,110; May 22.
- Golf club. C. G. Jansky. 1,980,408; Nov. 13.
- Golf club. R. A. Link. 1,942,434; Jan. 9.
- Golf club. W. S. Luckett. 1,969,086; Aug. 7.
- Golf club. C. Lussky and M. W. Brumleve. 1,982,526; Nov. 27.
- Golf club. C. F. Mensing. 1,949,970; Mar. 6.
- Golf club. A. Pardoe. 1,967,999; July 24.
- Golf club. H. S. Petry. 1,965,857; July 10.
- Golf club. M. B. Reach. 1,942,122; Jan. 2.
- Golf club. W. C. Spiker. 1,983,196; Dec. 4.
- Golf club. J. B. Wantz. 1,982,087; Nov. 27.
- Golf club. S. E. Watson. 1,946,007; Feb. 6.
- Golf club. L. A. Young. 1,945,844; Feb. 6.
- Golf club carrier. C. M. Baldwin. 1,960,862; May 29.
- Golf club construction. L. A. Young. 1,975,822; Oct. 9.
- Golf club cutter head. L. A. Young. 1,975,341; Oct. 2.
- Golf club grip. L. H. Gerow. 1,942,922; Jan. 9.
- Golf club head. J. M. Oldham. 1,968,092; July 31.
- Golf club head. G. W. Thompson. Des. 91,336; Jan. 9.
- Golf club head, Balanced. L. A. Young. 1,968,627; July 31.
- Golf club head, Metal. G. and R. Nicoll. Des. 92,266; May 15.
- Golf club head, Resilient. L. A. Young. 1,968,626; July 31.
- Golf club seal and making the same. K. Smith. 1,943,399; Jan. 16.
- Golf club separator. H. D. Thorsen. 1,968,723; July 31.
- Golf club shaft. J. M. Oldham. 1,968,616; July 31.
- Golf club shafts, Making. G. B. Durell. 1,983,074; Dec. 4.
- Golf clubs and the like. Apparatus for measuring moments of. R. W. Adams. 1,953,916; Apr. 10.
- Golf clubs, Making. J. L. Cassidy. 1,962,804; June 11.
- Golf drive indicator. G. Le Witt. 1,976,405; Oct. 9.
- Golf drive indicator. H. S. Mikesell. 1,975,368; Oct. 2.
- Golf driving mechanism. H. E. Hellum and J. F. Glish. 1,973,207; Sept. 11.
- Golf game. A. R. Thomas. 1,959,882; May 22.
- Golf green and making the same. J. A. Curtiss. 1,948,026; Feb. 20.
- Golf gripper. H. O. Potter. 1,954,262; Apr. 10.
- Golf hole cup or rim. A. J. John. 1,943,610; Jan. 16.
- Golf instructor, Precision. F. B. MacStocker. 1,960,787; May 29.
- Golf meter. G. W. Bickerton. 1,967,076; July 17.
- Golf player's club selecting device. F. H. Ford. 1,943,066; Jan. 9.
- Golf practice apparatus. S. Hoffund. 1,965,838; July 10.
- Golf practice device. M. G. Rosengarten. 1,980,701; Nov. 13.
- Golf practicing device. T. J. Merritt. 1,967,776; July 24.
- Golf practicing device. T. J. Merritt and G. B. Smith. 1,956,452; Apr. 24.
- Golf practicing machine. K. M. Lawson. 1,982,525; Nov. 27.
- Golf putter. W. C. Spiker. Re19,178; May 22.
- Golf putter head. J. Bernardi. Des. 94,111; Dec. 25.
- Golf register. M. J. Beach. 1,944,629; Jan. 23.
- Golf shaft. R. H. Cowdery. 1,974,389; Sept. 18.
- Golf shaft, Collapsible. K. P. Edwards. 1,967,355; July 24.
- Golf swing device. D. W. Perlin. 1,983,920; Dec. 11.
- Golf teaching and playing device. R. G. MacDonald. 1,944,942; Jan. 30.
- Golf tee. P. A. Czichos. 1,959,347; May 22.
- Golf tee. W. Dalglish. 1,947,674; Feb. 20.
- Golf tee. E. H. Millet. Des. 92,918; July 31.
- Golf tee. H. R. Thompson. 1,942,672; Jan. 9.
- Golf tee. R. M. Whitelaw. 1,973,316; Oct. 9.
- Golf tee, Automatic. J. Loeb. 1,972,894; Sept. 11.
- Golf tee holder. R. Obarski. 1,955,650; Apr. 17.
- Golfer's appliance. B. S. Preston. 1,958,956; May 15.
- Golfing tee, Automatic. W. H. Gardner and C. M. Belton. 1,965,697; July 10.
- Gong, Electric. E. J. Deary. 1,962,928; June 12.
- Gong, Single stroke. I. W. Green. 1,942,811; Jan. 9.
- Goods of or containing rubber or similar material, Manufacture of. E. W. Madge and A. N. Ward. 1,985,045; Dec. 18.
- Goods of or containing rubber or the like, Manufacture of. D. F. Twiss and E. A. Murphy. 1,980,774; Nov. 13.
- Governing and regulating apparatus. N. Artsay. 1,977,980; Oct. 23.
- Governing device for internal combustion engines. R. Miller. 1,970,614; Aug. 21.
- Governing mechanism for elastic fluid engines. E. D. Dickinson. 1,976,659; Oct. 9.
- Governing mechanism for elastic fluid turbines. F. R. Ericson. 1,960,051; May 22.
- Governing mechanism for elastic fluid turbines. A. W. Levie. 1,957,219; May 1.
- Governor. J. W. Anderson. Re19,331; Oct. 2.
- Governor. J. W. Anderson. 1,947,509; Feb. 20.
- Governor. J. L. Bonanno. 1,958,884; May 15.
- Governor. W. S. Bowen. 1,944,210; Jan. 23.
- Governor. I. M. Crafts. 1,954,864; Apr. 17.
- Governor. I. M. Crafts. 1,965,936; July 10.
- Governor. A. C. Hoof. 1,966,722; July 17.
- Governor. F. A. Jermerson and F. V. Allen. 1,947,009; Feb. 13.
- Governor. S. L. Kerr. 1,947,602; Feb. 20.
- Governor. G. W. McKee. 1,960,121; Mar. 6.
- Governor. A. F. Schwendner. 1,956,255; Apr. 24.
- Governor. R. J. Weaver. 1,976,907; Oct. 16.
- Governor, Air compressor. W. J. Cummings. 1,965,070; July 3.
- Governor and switch, Combined electromagnetic. F. Menzel and E. Dobler. 1,974,852; Sept. 25.
- Governor, Automatic engine. W. A. Engstrom and E. Ginn. 1,944,638; Jan. 23.
- Governor, Centrifugal. J. Bohll. 1,975,680; Oct. 2.
- Governor, Centrifugal. K. Morsbach and O. Steiner. 1,956,359; Apr. 24.
- Governor, Centrifugal speed. A. S. Howell. 1,941,473; Jan. 2.
- Governor, Centrifugal spring. M. J. Heinzmann. 1,971,070; Aug. 21.
- Governor control mechanism. M. J. Goldberg. 1,943,069; Jan. 9.
- Governor device for engines. F. D. Biddle. 1,948,840; Feb. 27.
- Governor, Differential. P. W. Beggs. 1,942,913; Jan. 9.
- Governor, Electric. A. Winther. 1,982,461; Nov. 27.
- Governor, Electric contact. W. A. Anderson. 1,984,512; Dec. 18.
- Governor, Electrical. F. I. Morgan. 1,948,591; Feb. 27.
- Governor, Electrical speed. R. G. Griffith. 1,982,000; Nov. 27.
- Governor for a motion picture camera, Centrifugal. J. Stolber. 1,976,304; Oct. 9.
- Governor for engine driven compressor. R. Wintzer. 1,958,503; May 15.
- Governor for gas-burning heaters. H. W. Partlow. 1,952,332; Mar. 27.
- Governor for internal combustion engines. A. A. Altenberg. 1,959,515; May 22.
- Governor for internal combustion engines. M. Hurst. 1,974,851; Sept. 25.
- Governor for internal combustion engines, Centrifugal. O. Baur and J. Weber. 1,974,858; Sept. 25.
- Governor for revolving doors. E. Pereml and C. Klesh. 1,947,733; Feb. 20.
- Governor for rotating bodies, Inertia. E. P. Larsh and E. J. Peterhans. 1,944,011; Jan. 16.
- Governor, Hydraulic. L. A. Dumas and P. S. Jackson. 1,949,711; Mar. 6.
- Governor, Inertia type. F. Baumgartner. 1,957,311; May 1.
- Governor mechanism for prime movers, Emergency. H. Floet. 1,970,420; Aug. 14.
- Governor, Pressure. C. J. Gardeen. 1,972,986; Sept. 11.
- Governor, Steam pressure. F. L. Badgett. 1,966,372; July 10.
- Governor, Two-part hoop type. E. R. Pierce. 1,973,879; Sept. 18.
- Governor, Windwheel. J. W. Youngberg. 1,982,039; Nov. 27.
- Governors, Attachment for gas. F. P. Smith. 1,949,855; Mar. 6.
- Gown, Maternity. R. J. Meeks. 1,971,572; Aug. 28.
- Grab. P. J.-M. T. Allard. 1,962,700; June 12.
- Grab. D. J. Barnard. 1,968,983; Aug. 7.
- Grab for heapable material. P. Neffendorf. 1,956,079; Apr. 24.
- Grab for vending machine. W. H. Butterworth. 1,964,905; July 3.
- Grab winch. H. Engler. 1,958,037; May 8.

- Grade crossing construction, Railway. R. T. Bell. 1,979,790; Nov. 6.
- Grade crossing, Sheet metal railway. R. T. Bell. 1,965,026; July 3.
- Grade indicator for motor vehicles and the like. S. T. Smith. 1,984,236; Dec. 11.
- Grade separation structure, Unit system. J. F. Robb. 1,970,979; Aug. 21.
- Grader. H. Gilardi. 1,952,796; Mar. 27.
- Grader. R. G. Le Tourneau. 1,964,360; June 26.
- Grader and cutter, Combined potato. D. Natchigal. 1,961,009; May 29.
- Grader and ditcher, Road. S. H. Burnstad. 1,975,767; Oct. 9.
- Grader attachment. H. A. Gipford. 1,956,385; Apr. 24.
- Grader, Elevating. J. B. Green and J. M. Rathmell. 1,981,170; Nov. 20.
- Grader, Leaning wheel. F. E. Arndt. 1,963,928; June 19.
- Grader, Nut length. W. Gebhardt. 1,985,345; Dec. 25.
- Grader, Road. R. E. Adams. 1,962,099; June 5.
- Grader, Road. J. E. Carlson. 1,945,517; Feb. 6.
- Grader screen. H. W. Smith. 1,949,697; Mar. 6.
- Grading apparatus. H. R. Lewis. 1,966,589; July 17.
- Grading device, Self. J. A. Brownlee. 1,984,726; Dec. 18.
- Grading finely divided material, Process and apparatus for. R. A. Miller. 1,959,212; May 15.
- Grading machine. J. W. Johnston. 1,945,858; Feb. 6.
- Grading machine. J. W. Johnston. 1,960,847; May 29.
- Grading machine. J. W. Johnston. 1,963,850; June 19.
- Grading machine. W. Renz. 1,964,648; June 26.
- Grading machine. J. W. Smith. 1,947,116; Feb. 13.
- Grading machine for fruits and vegetables. J. D. Grabill. 1,968,939; Aug. 7.
- Grain and surface treatment of same, Polishing. J. S. Masin. 1,951,555; Mar. 20.
- Grain, Apparatus for cleaning and stripping. R. Moureaux. 1,956,329; Apr. 24.
- Grain cleaning and separating machine. L. Jones. 1,974,309; Sept. 18.
- Grain cleaning machinery. C. N. Hatfield. 1,985,167; Dec. 18.
- Grain dressings and preparing them, Seed. A. Steindorff, K. Pfaff, and M. Erlenbach. 1,947,926; Feb. 20.
- Grain drill. J. Schaeffer. 1,944,672; Jan. 23.
- Grain elevator, Portable adjustable. T. J. McLaughlin. 1,950,506; Mar. 13.
- Grain, Fumigating. E. V. O'Daniel. 1,956,620; May 1.
- Grain-grader and cleaner. F. W. Rademacher. 1,959,736; May 22.
- Grain hulling machine. N. Tracy. 1,980,837; Nov. 13.
- Grain, Method and machine for the treatment of. A. Pays. 1,972,666; Sept. 4.
- Grain of wood on paper, Reproducing the. L. W. Case. 1,979,065; Oct. 30.
- Grain or the like, Apparatus for conditioning. S. G. Walker. 1,945,242; Jan. 30.
- Grain pick-up mechanism. A. J. Hartley. 1,946,692; Feb. 13.
- Grain products, Treatment of. M. J. Blish. 1,957,688; May 8.
- Grain reducing machine. R. C. Mealey. 1,955,010; Apr. 17.
- Grain sampling device. O. W. Fisher, R. E. Walter, and F. J. White. 1,966,712; July 17.
- Grain scalping and aspirating machine. C. C. Gray and H. L. Johnson. 1,966,443; July 17.
- Grain, seeds and the like in vacua apparatus therefor, Drying. A. H. McComb. 1,949,427; Mar. 6.
- Grain separator. M. A. Erickson and J. Groseth. 1,985,772; Dec. 25.
- Grain separator. G. Haymond. 1,980,405; Nov. 13.
- Grain shocker, Automatic. A. P. Lofstrand. 1,968,781-3; July 31.
- Graining machine. W. F. Huck. 1,981,046; Nov. 20.
- Graining machine. S. Metrick. 1,960,447; May 29.
- Graining rolls, Making. G. von Webern. 1,944,200; Jan. 23.
- Graining tool. L. V. Casto. 1,968,027; July 31.
- Gramophone, Automatic. G. S. Mann. 1,979,276; Nov. 6.
- Gramophone needle holder. E. Hyra. 1,972,656; Sept. 4.
- Grandstand, Folding. C. H. Wetzels. 1,979,373; Nov. 13.
- Grandstand, Folding. C. H. Wetzels. 1,964,612-13; June 26.
- Granular material. E. H. Nichols. 1,970,471; Aug. 14.
- Granular material. H. R. Power. 1,980,432; Nov. 13.
- Granular material, Apparatus for throwing. W. F. Piper. 1,958,017; May 8.
- Granular material, Device for drying and roasting. L. Honigmann. 1,958,666; May 15.
- Granular material for gas purification and making the same. G. E. Sell. 1,971,969; Aug. 28.
- Granular or like material, Process and apparatus for drying. V. T. Bartram. 1,960,616; May 29.
- Granulating machine. R. De Angelis. 1,941,827; Jan. 2.
- Grape, Seedless. L. O. Bonnet. Pl. Pt. 88; Mar. 13.
- Grape stripper. H. E. Peterson. 1,982,142; Nov. 27.
- Graphophone, Automatic. T. W. Small. 1,977,456; Oct. 16.
- Grapple. A. L. Boles. 1,982,132; Nov. 27.
- Grapple. H. C. Bradford. 1,969,873; Aug. 14.
- Grapple, Automatic. J. J. Kramer. 1,966,177; July 10.
- Grapple, Salvaging. C. Byler. 1,983,215; Dec. 4.
- Grapppling device. E. H. Spiegl. 1,983,053; Dec. 4.
- Grapppling tool. L. E. Willis. 1,983,425; Dec. 4.
- Grass and the like, Artificial. E. M. Elder. 1,961,139; June 5.
- Grass eradicator, Quack. R. C. Railing. 1,957,290; May 1.
- Grate. C. E. Bowers. 1,966,945; July 17.
- Grate. E. O. Marty. 1,954,741; Apr. 10.
- Grate. J. S. Thompson. 1,941,919; Jan. 2.
- Grate. J. S. Thompson. 1,954,107; Apr. 10.
- Grate. J. S. Thompson. 1,955,035; Apr. 17.
- Grate bar. J. S. Thompson. 1,944,332; Jan. 23.
- Grate construction. L. E. Safford. 1,976,195; Oct. 9.
- Grate construction. J. S. Thompson. 1,959,117; May 15.
- Grate, Extension. C. E. Harrison. 1,978,106; Oct. 23.
- Grate, Fluid cooled. E. O. Marty. 1,982,918; Dec. 4.
- Grate for fireplaces. R. de Keytere. 1,977,176; Oct. 16.
- Grate from construction. R. Watson. 1,944,336; Jan. 23.
- Grate, Furnace. A. H. Bauman. 1,951,265; Mar. 13.
- Grate, Furnace. T. M. Davidson. 1,947,831; Feb. 20.
- Grate, Furnace. F. Graafen. 1,975,601; Oct. 2.
- Grate, Furnace. H. B. Holt. 1,971,374; Aug. 28.
- Grate, Furnace. C. F. Regan. 1,976,746; Oct. 16.
- Grate, Gas producer. C. Whitfield. 1,974,374; Sept. 18.
- Grate, Open fireplace. G. P. Davis. 1,943,209; Jan. 9.
- Grate, Oscillating. L. B. Jones. 1,945,782; Feb. 6.
- Grate, Safety gas. J. Kirk. 1,941,866; Jan. 2.
- Grate section for heaters, Fuel. N. J. La Tulip. 1,973,149; Sept. 11.
- Grate structure. E. E. Jones. 1,962,958; June 12.
- Grate structure for burning solid fuel. G. Dalén. 1,948,699; Feb. 27.
- Grater for potatoes or the like. K. Früh. 1,976,256; Oct. 9.
- Grating. A. J. and W. A. Bates. 1,944,207; Jan. 23.
- Grating. H. C. Pierce. 1,963,657; Apr. 3.
- Grating. H. C. Reuter. 1,946,035; Feb. 6.
- Grating construction. J. M. Keown. 1,982,109; Nov. 27.
- Grating, Interlocked. L. N. Lumb. 1,975,281; Oct. 2.
- Grating, Manufacture of. A. J. Bates. 1,977,299; Oct. 16.
- Grating, Window. B. A. McGuinness. 1,966,636; July 17.
- Grave closure, Decorative. H. A. Rogers and C. Young. 1,950,269; Mar. 6.
- Grave filler. E. H. Williams. 1,979,182; Oct. 30.
- Grave liner, Portable. R. W. Talley. 1,960,761; May 29.
- Grave vault fastening mechanism. A. F. Beck. 1,968,594; July 31.
- Gravel, Apparatus for scrubbing and treating. W. H. Allswede. 1,965,568; July 10.
- Gravel washer and separator. A. M. Lockett. 1,958,309; May 8.
- Gravel washing machine. E. T. Burnside. 1,949,354; Feb. 27.
- Gravitational forces, Measurement of. P. I. Wold. 1,951,226; Mar. 13.
- Gravity handling of bulk material, Mechanism for. J. C. Gifford. 1,974,609; Sept. 25.
- Gravity hinge. J. R. Kunzelman. 1,942,715; Jan. 9.
- Gravity indicator. A. M. Nicolson. 1,975,516; Oct. 2.
- Gravity operating device for sorting fruits and vegetables. G. J. Olney. 1,963,671; June 19.
- Grease and contain same, Device to strain hot, cooked. G. G. Rucker. 1,948,771; Feb. 27.
- Grease and its manufacture. G. Kaufman. 1,966,821; July 17.
- Grease and its manufacture. G. Kaufman. 1,971,750; Aug. 28.
- Grease and method of lubrication. G. Kaufman. 1,952,012; Mar. 20.
- Grease, Apparatus for making. J. McKee. 1,961,903; June 5.
- Grease collecting attachment for cooking ranges. S. D. Wilson. 1,977,258; Oct. 16.
- Grease cup. G. T. Cooke. 1,971,770; Aug. 28.
- Grease delivery device. G. H. Hartman. 1,943,604; Jan. 16.
- Grease discharge device. C. Harris. 1,981,508; Nov. 20.
- Grease dispenser. C. W. Parker. 1,961,707; June 5.
- Grease-dispensing apparatus. E. W. Davis. 1,943,515; Jan. 16.
- Grease-distributing system. M. Reswick. 1,943,838; Jan. 16.
- Grease excluding ring. M. D. Fitzgerald. 1,983,746; Dec. 11.
- Grease gun. C. F. Chambers. 1,972,181; Sept. 4.
- Grease gun. R. J. Gray. 1,970,373; Aug. 14.
- Grease gun. N. R. Krause. 1,956,072; Apr. 24.
- Grease gun. C. W. Parker. 1,972,161; Sept. 4.
- Grease gun and the like. E. R. Wharton. 1,965,271; July 3.
- Grease gun, Portable. W. S. Rea. 1,949,761; Mar. 6.
- Grease gun structure. I. L. Eastman. 1,976,061; Oct. 9.
- Grease, Lime soap. W. D. Hodson. 1,982,662; Dec. 4.
- Grease, Lubricating. E. N. Klemgard. 1,979,943; Nov. 6.
- Grease lubrication. F. J. Hall. 1,947,470; Feb. 20.
- Grease, Manufacture of cup. P. Subkow. 1,971,760; Aug. 28.
- Grease pump lock. J. W. Welch. 1,970,637; Aug. 21.
- Grease pumping apparatus. J. W. Woodruff. 1,943,102; Jan. 9.
- Grease pumping mechanism. G. H. Hartman. 1,943,603; Jan. 16.
- Grease retainer. J. H. Victor, M. L. Liston, and C. Matusak. 1,985,474; Dec. 25.
- Grease trap. E. Boosey. 1,970,123; Aug. 14.
- Grease trap. G. J. Dehn. 1,977,305; Oct. 16.
- Grease trap. J. C. White. 1,985,704; Dec. 25.
- Greasewood product. U. K. Tarwater. 1,973,024; Sept. 11.

- Greases, Preparing lubricating. E. N. Klemgard. 1,975,582; Oct. 2.
- Greasing apparatus. G. H. Hartman. 1,943,605; Jan. 16.
- Greenhouse construction. J. B. Foley. 1,967,769; July 24.
- Greenhouse equipment. W. F. Norman. 1,983,806; Dec. 11.
- Grid actuating device, Bucky. E. S. Flarsheim. 1,945,499; Jan. 30.
- Grid bias arrangement in thermionic valve circuits. L. L. de Kramolin. 1,967,917; July 24.
- Grid bias, Positive. W. van B. Roberts. 1,944,574; Jan. 23.
- Grid construction. D. Y. Smith. 1,984,160; Dec. 11.
- Grid electrode. R. A. Jacobus. 1,964,761; July 3.
- Grid electrode of vacuum electric tube devices. E. Y. Robinson. 1,958,349; May 8.
- Grid electrodes, Making. G. M. Rose, jr. 1,976,522; Oct. 9.
- Grid for refrigerator freezing trays. W. H. Fuller, jr. 1,956,761; May 1.
- Grid-forming mechanism. H. H. Henry and R. Millenaar. 1,951,932; Mar. 20.
- Grid-glow tubes, Control of. A. M. Unger. 1,960,217; May 22.
- Grid making machine. A. J. Franke. 1,970,599; Aug. 21.
- Grid pasting machine. W. E. Bible. 1,949,526; Mar. 6.
- Grid structure for rectifiers, Control. F. Hallopeau, W. Boveri, and A. Gaudenzl. 1,947,412; Feb. 13.
- Grid trimming press. A. R. Willard. 1,969,390; Aug. 7.
- Grid winding machine. W. T. Howald, S. T. Boubilis, and F. Harper. 1,978,108; Oct. 23.
- Griddle, Cake. C. H. Davis. 1,957,133; May 1.
- Griddle or cooker, Electrical. J. R. Burch. 1,950,385; Mar. 13.
- Griddle plate, broiler, and toaster, Combination. I. Ročić. Des. 92,978; Aug. 7.
- Grill, Electric. J. R. Burch. 1,982,947; Dec. 4.
- Grill, Electric. G. A. Methe. 1,977,237; Oct. 16.
- Grill, Electric Frankfurter. S. Kohn. 1,974,715; Sept. 25.
- Grille, Adjustable. J. P. Burcham. 1,952,055; Mar. 27.
- Grille, Display. L. Acton. 1,982,131; Nov. 27.
- Grille, Extensible. A. L. Schon. Des. 93,049-50; Aug. 14.
- Grille for automobile radiators and attaching the same. L. B. Green. 1,959,953; May 22.
- Grille for automobiles, Frontal. L. B. Green. 1,951,653; Mar. 20.
- Grille for concealing automobile radiator cores. L. B. Green. 1,958,995; May 15.
- Grille for radiator shell fronts. L. B. Green. 1,960,629; May 29.
- Grille for radiators, Frontal. L. B. Green. 1,982,293; Nov. 27.
- Grille or the like. G. W. Fowler. Des. 91,266; Jan. 2.
- Grille, Parallel-blade radiator. L. B. Green. 1,985,407; Dec. 25.
- Grille, Window. H. Kitzelman. 1,960,015; May 22.
- Grindstone. R. E. Read. 1,963,247; June 19.
- Grindstone and treating same. W. H. McGill. 1,959,059; May 15.
- Grindstones, Mechanism for supporting. D. F. Theriault. 1,953,912; Apr. 3.
- Grinder. E. Bockshe. 1,944,489; Jan. 23.
- Grinder. A. F. Howe. 1,955,129; Apr. 17.
- Grinder, Adjustable disk and tool. A. E. Nelson and A. Humphries. 1,967,447; July 24.
- Grinder attachment, Coffee. E. Nielsen. 1,969,899; Aug. 14.
- Grinder attachment for brake relining machines. H. B. Barrett. 1,949,070; Feb. 27.
- Grinder, Brake shoe. R. E. W. Harrison and F. S. Haas. 1,952,130; Mar. 27.
- Grinder, Crankshaft. C. H. Craft. 1,967,744; July 24.
- Grinder, Crank shaft. G. Herzog. 1,956,068; Apr. 24.
- Grinder, Cylinder. M. C. Hutto. 1,950,407; Mar. 13.
- Grinder, Cylinder. M. C. Hutto. 1,972,890; Sept. 11.
- Grinder, Die. E. R. Jones. 1,948,859; Feb. 27.
- Grinder for cylindrical surfaces. M. C. Hutto. 1,978,428; Oct. 30.
- Grinder for dressing skins. G. N. Curtin. 1,975,349; Oct. 2.
- Grinder for fly cutters. M. P. E. Hohn. 1,950,177; Mar. 6.
- Grinder for sharpening knives, Portable. R. A. Beach. 1,961,328; June 5.
- Grinder frame. E. Bockshe. Des. 92,516; June 19.
- Grinder, Knife. F. W. Seybold. 1,979,775; Nov. 6.
- Grinder, Multiple spindle. E. R. Smith and A. Schinkez. 1,950,524; Mar. 13.
- Grinder, Oscillating. G. M. Le Tarte. 1,959,103; May 15.
- Grinder, Portable power driven tool. F. W. Funke. 1,952,853; Mar. 27.
- Grinder, Profile. C. L. Ross. 1,973,508; Sept. 11.
- Grinder, Rail joint. L. J. Cooney. 1,973,429; Sept. 11.
- Grinder, Refrigerated meat. E. Biancalana. 1,942,082-3; Jan. 2.
- Grinder, Swinging. K. Leander. 1,966,930; July 17.
- Grinder, Tap. C. R. Burt and F. O. Hoagland. 1,957,317; May 1.
- Grinder, Terrazo cove. P. Vinella. 1,984,205; Dec. 11.
- Grinder, Tool. F. Hille. 1,981,174; Nov. 20.
- Grinder, Tool. L. L. Swingle. Des. 92,378; May 29.
- Grinder, Tool. I. Yassenoff. 1,963,394; June 19.
- Grinder, Universal. H. C. Woodsmall. 1,958,734; May 15.
- Grinder, Valve. E. Ryder. 1,958,498; May 15.
- Grinder, Valve seat. R. W. Catching. 1,972,761; Sept. 4.
- Grinder, Valve seat. J. W. Holland. 1,981,269; Nov. 20.
- Grinder, Valve seat. C. C. Lee. 1,948,792; Feb. 27.
- Grinder, Variable speed. P. B. Reeves. 1,949,975; Mar. 6.
- Grinders for use in lathes or the like, Construction of. E. Ritz, jr. 1,953,133; Apr. 3.
- Grinding. J. E. Caster. 1,981,220; Nov. 20.
- Grinding. W. Peaslee. 1,965,256; July 3.
- Grinding. C. H. Schmalz. 1,973,511; Sept. 11.
- Grinding and cutting tool, Internal. J. W. Bailey. 1,966,277; July 10.
- Grinding and polishing apparatus. H. Goldberg. 1,979,325; Nov. 6.
- Grinding and polishing device. E. Poeggel. 1,948,128; Feb. 20.
- Grinding and polishing machine. C. L. Hawes. 1,950,030; Mar. 6.
- Grinding and polishing machine, Automatic. W. V. Robinson. 1,952,334; Mar. 27.
- Grinding and polishing machine, Automatic. W. V. Robinson. 1,976,805; Oct. 16.
- Grinding and polishing machine for cutting tools. L. Steiner. 1,941,501; Jan. 2.
- Grinding apparatus. W. Kosfeld. 1,976,233; Oct. 9.
- Grinding apparatus. H. Perazzoli. 1,950,264; Mar. 6.
- Grinding, Apparatus for. A. F. Moul. 1,980,872; Nov. 13.
- Grinding bodies, Producing. T. Pohl. 1,944,807; Jan. 23.
- Grinding device. H. G. Evans. 1,941,977; Jan. 2.
- Grinding device. O. Herrmann. 1,985,606; Dec. 25.
- Grinding device. G. Pearson. 1,954,575; Apr. 10.
- Grinding, Fine dry. F. G. Breyer. 1,985,076; Dec. 18.
- Grinding gauge. P. S. Arnold. 1,941,456; Jan. 2.
- Grinding in tube mills and the like. N. Nielsen. 1,944,755; Jan. 23.
- Grinding machine. W. D. Archea. 1,976,109; Oct. 9.
- Grinding machine. W. J. Baumberger. 1,950,936; Mar. 13.
- Grinding machine. G. W. Binns. 1,976,110; Oct. 9.
- Grinding machine. G. W. Biuns. 1,976,112; Oct. 9.
- Grinding machine. H. L. Blood. 1,948,899; Feb. 27.
- Grinding machine. H. L. Blood. 1,970,645; Aug. 21.
- Grinding machine. C. Booth. 1,976,114; Oct. 9.
- Grinding machine. C. Booth. 1,985,237; Dec. 25.
- Grinding machine. F. P. Brown. 1,952,653; Mar. 27.
- Grinding machine. F. Chateaufneuf. 1,957,879; May 8.
- Grinding machine. R. H. Cramer. 1,960,730; May 29.
- Grinding machine. A. H. Dall and H. Ernst. 1,952,423; Mar. 27.
- Grinding machine. A. H. Dall and H. Ernst. 1,954,442; Apr. 10.
- Grinding machine. G. A. De Vlieg. 1,956,983; May 1.
- Grinding machine. O. Douth. 1,977,049; Oct. 16.
- Grinding machine. S. Einstein. 1,976,119; Oct. 9.
- Grinding machine. S. Einstein and F. S. Haas. 1,982,287; Nov. 27.
- Grinding machine. H. Ernst and H. R. Isler. 1,969,063; Aug. 7.
- Grinding machine. W. and J. P. Ferris. 1,965,696; July 10.
- Grinding machine. W. F. Fraser. 1,961,849; June 5.
- Grinding machine. C. H. Gerling. 1,945,396; Jan. 30.
- Grinding machine. W. A. Goering. 1,962,302; June 12.
- Grinding machine. R. R. Guempel. 1,970,453; Aug. 14.
- Grinding machine. W. J. Guild. 1,948,914; Feb. 27.
- Grinding machine. W. J. Guild. 1,971,138; Aug. 21.
- Grinding machine. W. J. Guild and H. L. Blood. 1,964,433; June 26.
- Grinding machine. F. S. Haas. 1,952,432; Mar. 27.
- Grinding machine. F. S. Haas. 1,965,234-5; July 3.
- Grinding machine. F. S. Haas. 1,972,826; Sept. 4.
- Grinding machine. F. S. Haas. 1,976,125; Oct. 9.
- Grinding machine. F. S. Haas. 1,978,132; Oct. 23.
- Grinding machine. F. S. Haas. 1,982,297-8; Nov. 27.
- Grinding machine. R. E. W. Harrison. 1,980,682; Nov. 13.
- Grinding machine. R. E. W. Harrison and S. Carbis. 1,972,623; Sept. 4.
- Grinding machine. R. E. W. Harrison and K. T. Schledorn. 1,973,626; Sept. 11.
- Grinding machine. R. A. Heald. 1,948,915; Feb. 27.
- Grinding machine. R. N. Heald. 1,950,491; Mar. 13.
- Grinding machine. C. W. Hopkins. 1,983,853; Dec. 11.
- Grinding machine. H. W. Johnson. 1,978,674; Oct. 30.
- Grinding machine. L. W. Johnson and W. F. Hoag. 1,941,478; Jan. 2.
- Grinding machine. B. A. Kearns and F. S. Haas. 1,976,130; Oct. 9.
- Grinding machine. G. H. Kennedy. 1,945,904; Feb. 6.
- Grinding machine. H. F. Koestlin. 1,946,864; Feb. 13.
- Grinding machine. H. W. Lanyon. 1,958,709; May 15.
- Grinding machine. H. W. Miller. 1,967,964; July 24.
- Grinding machine. W. C. Osterholm. 1,972,160; Sept. 4.
- Grinding machine. L. C. Park. 1,961,862; June 5.
- Grinding machine. B. R. Purvin. 1,952,182; Mar. 27.
- Grinding machine. B. R. Purvin. 1,976,035; Oct. 9.
- Grinding machine. E. Ritz, jr. 1,982,483; Nov. 27.
- Grinding machine. B. E. Rockhoff. 1,973,177; Sept. 11.
- Grinding machine. C. L. Schulte. 1,965,261; July 3.
- Grinding machine. E. Stubbs. 1,958,551; May 15.
- Grinding machine. O. A. Swanson. 1,974,696; Sept. 25.
- Grinding machine. E. M. Taylor. R. A. Quimby, and R. M. Lippard. 1,949,552; Mar. 6.
- Grinding machine. H. E. Tracy. 1,945,986; Feb. 6.
- Grinding machine. A. Turner. 1,985,433; Dec. 25.
- Grinding machine. A. Vuilleumier. 1,977,747; Oct. 23.
- Grinding machine. G. F. Yager. 1,966,194; July 10.

- Grinding machine. R. W. Young. 1,965,020; July 3.
Grinding machine abrasive element. J. Sunnen. 1,946,041; Feb. 6.
Grinding machine, Brake drum. H. G. Morris and G. C. Allen. 1,973,264; Sept. 11.
Grinding machine, Centerless. W. Ogilvie. 1,948,392; Feb. 20.
Grinding machine for all kinds of materials. E. Kutaszewicz. 1,963,204; June 19.
Grinding machine having a motor driven wheel spindle. H. W. Dunbar. 1,948,848; Feb. 27.
Grinding machine, Rubber roller. L. W. Barnes. 1,968,550; July 31.
Grinding machine, Swing frame. H. W. Dunbar. 1,958,534; May 15.
Grinding machine, Swinging frame. H. W. Dunbar and J. R. Whittles. 1,972,217; Sept. 4.
Grinding machine table operating mechanism. C. G. Flygare. 1,949,511; Mar. 6.
Grinding machine, Vertical. G. M. Le Tarte. 1,966,127; July 10.
Grinding machinery. J. E. Caster, F. J. Theler, and G. N. Barrere. 1,952,157; Mar. 27.
Grinding machinery. F. S. Haas. 1,976,123; Oct. 9.
Grinding machinery. L. R. Heim. 1,958,001; May 8.
Grinding machinery. B. A. Kearns. 1,978,110; Oct. 23.
Grinding mill. W. P. Eppers. 1,951,823; Mar. 20.
Grinding mill. A. W. Fabrenwald. 1,953,472; Apr. 3.
Grinding mill. H. P. Guillo. 1,961,291; June 5.
Grinding mill. F. P. Hess. 1,947,342; Feb. 13.
Grinding mill. L. L. Leach. 1,952,322; Mar. 27.
Grinding mill. E. L. Van Pelt. 1,947,505; Feb. 20.
Grinding mill. W. C. Wood. 1,942,528; Jan. 9.
Grinding mill attachment for an electric utility device. P. J. Fitzgerald. 1,947,385; Feb. 13.
Grinding or abrading machine. H. H. Asbridge. 1,949,345; Feb. 27.
Grinding wheel. A. P. Beebe. 1,984,050; Dec. 11.
Grinding wheel. W. W. Greenwood. 1,949,513; Mar. 6.
Grinding wheel. T. Larsson. 1,984,936; Dec. 18.
Grinding wheel. C. H. Schurr. 1,954,330; Apr. 10.
Grinding wheel construction. E. J. Lintereur. 1,953,181; Apr. 3.
Grinding wheel, Segmental. T. Larsson. 1,979,074; Oct. 30.
Grip attachment for fuse clips. S. W. Fries and E. E. Malott. 1,983,281; Dec. 4.
Grip device. H. H. Rubin. 1,951,709; Mar. 20.
Grip device, Intermittent. O. R. Hermanek. 1,965,238; July 3.
Grip device, Intermittent. W. J. Pearson. 1,972,163; Sept. 4.
Grip devices, Intermittent. B. Cutler. 1,967,114; July 17.
Grip fastening for suspenders for hose. P. Pugnet. 1,950,064; Mar. 6.
Grip for barber and beautification chairs, Hand. F. and F. Koenigkramer. 1,954,387; Apr. 10.
Grip for golf club and the like. L. A. Young. 1,954,275; Apr. 10.
Grip for golf clubs. G. P. Reid. 1,974,875; Sept. 25.
Grip for golf clubs and the like. L. A. Young. 1,968,064; July 31.
Grip for kitchen utensils. C. Patock. 1,965,354; July 3.
Grip for shoes, Resilient. M. Reh. 1,966,135; July 10.
Grip for use in straining and jointing electrical conductors, wires and the like. B. McMahon. 1,966,989; July 17.
Grip, Hand. M. D. Balistreri. 1,980,655; Nov. 13.
Grip strap or toggle. C. P. Schlegel. 1,978,960; Oct. 30.
Gripper for hosiery strippers. W. J. Merrigan, Jr., C. S. Tiers, and H. F. Wanamaker. 1,979,204; Oct. 30.
Gripping and securing mechanism. R. E. Albrecht. 1,969,111; Aug. 7.
Gripping device. S. Bruck. Re19,191; June 5.
Gripping device in machine for handling tobacco. K. E. Granstedt. 1,970,230; Aug. 14.
Gripping mechanism. A. Ham. 1,976,848; Oct. 16.
Grips with thread gripping pliers, Apparatus for indicating faulty. F. Breitshädel. 1,956,487; Apr. 24.
Grit removal apparatus. E. B. Besselièvre. 1,967,196; July 17.
Grizzly. W. B. MacBride. 1,980,279; Nov. 13.
Grizzly, Circular rotating. H. A. Hutton. 1,972,385; Sept. 4.
Groin, Adjustably permeable and extensible. G. A. Youngberg. 1,948,639; Feb. 27.
Grommet, Composite. E. F. Webb and R. C. Sanders. 1,952,695; Mar. 27.
Groove for main bearings. J. Dolsa and D. D. Stone. 1,948,340; Feb. 20.
Groove for records, Eccentric control. H. F. Stose. 1,943,460; Jan. 16.
Groove grinding machine. C. Brown. 1,970,733; Aug. 21.
Grooving fixture. R. S. Newton. 1,951,488; Mar. 20.
Ground base block. G. F. Lindsley. 1,984,221; Dec. 11.
Ground clamp. J. Mangin. 1,942,341-2; Jan. 2.
Ground connection. W. Goetzelman. 1,955,283; Apr. 17.
Ground connection device. H. C. Fiege. 1,958,747; May 15.
Ground construction. E. F. Techmer. 1,964,304; June 26.
Ground contact for vehicles. H. Walters. 1,976,154; Oct. 9.
Ground fitting. S. W. Borden. 1,981,343; Nov. 20.
Ground rod. W. R. Webster. 1,980,020; Nov. 6.
Ground, soil, or other measures, Grouting of. A. Gee and A. R. Neelands. 1,952,162; Mar. 27.
Ground speed and drift indicator. H. Gatty. 1,977,762; Oct. 23.
Ground terminal. L. A. Koch, Jr. 1,946,862; Feb. 13.
Ground turner. H. H. Glasier. 1,973,309; Sept. 11.
Grounder for gasoline dispensing nozzles. F. G. Kluck. 1,975,550; Oct. 2.
Grounding attachment for portable electric lamps. W. Nielsen. 1,976,362; Oct. 9.
Grounding device. C. E. Bennett. 1,962,758; June 12.
Grounding device. J. T. Pearson. 1,966,132; July 10.
Grounding device for electrical wiring systems. J. E. Mair. 1,941,905; Jan. 2.
Grounding fitting. S. N. Buchanan. 1,976,478; Oct. 9.
Grounding protection system for high voltage systems. J. Jonas. 1,983,085; Dec. 4.
Grounding set. H. W. Bodendieck. 1,968,736; July 31.
Group feed distribution system. J. J. Shoemaker and R. B. Schwarz. 1,979,353; Nov. 6.
Group stitches, Method of and apparatus for forming. M. McCann. 1,983,555; Dec. 11.
Guanidines, Preparing substituted. H. Meis. 1,953,494; Apr. 3.
Guano distributor. E. M. Cole. 1,981,222; Nov. 20.
Guard. H. L. Hunter. 1,952,071; Mar. 27.
Guard. M. C. Maish. 1,944,752; Jan. 23.
Guard. A. E. Rice and J. W. Trew. 1,983,809; Dec. 11.
Guard and heat transfer device, Combination. C. W. Hartwig. 1,942,211; Jan. 2.
Guard and making the same, Nose. J. W. Welsh. 1,955,843; Apr. 24.
Guard, Automobile radiator. N. A. Iantosca. Des. 92,602; June 28.
Guard, Cutter bar. W. M. Henderson. 1,944,644; Jan. 23.
Guard device for moving structures. R. S. Quinn. 1,973,445; Sept. 11.
Guard, Dust. E. Armstrong. 1,966,577; July 17.
Guard, Dust. V. E. Nelson. 1,942,567; Jan. 9.
Guard, Dust and mud. R. Schofield. 1,957,361; May 1.
Guard, Edge. A. A. Partner. 1,981,749-50; Nov. 20.
Guard, Finger and hand. J. J. Gambee. 1,951,190; Mar. 13.
Guard, Foot. A. A. Strauss. 1,952,294; Mar. 27.
Guard, Football. R. R. Jones. 1,944,127; Jan. 16.
Guard for controlling arm movements in boxing tuition. T. J. Roberts. 1,956,201; Apr. 24.
Guard for guy wires. J. R. Fisher and H. E. Stedman. 1,950,917; Mar. 13.
Guard for loose leaf binders. A. D. Sutton. 1,970,516; Aug. 14.
Guard for machines, Safety. G. E. Drum and W. H. Jaxheimer. 1,979,457; Nov. 6.
Guard for mowing and analogous machines. I. H. Wilson. 1,945,301; Jan. 30.
Guard for oil burner reservoirs, Protecting. R. M. Sherman. 1,961,085; May 29.
Guard for punch presses, Safety. P. A. Eriksen. 1,950,233; Mar. 6.
Guard for shoe heels. N. F. Winget. 1,955,159; Apr. 17.
Guard for slicing machines. H. Thomas. 1,960,931; May 29.
Guard for stoves. J. H. Collins. 1,974,643; Sept. 25.
Guard for tables and the like, Corner. R. C. Ellis. 1,952,740; Mar. 27.
Guard for tomato lugs. J. W. Trew. 1,963,926; June 19.
Guard for tomato lugs and similar containers. J. W. Trew. 1,967,457; July 24.
Guard for tomato lugs or similar containers. J. W. Trew. 1,963,925; June 19.
Guard for valves. T. Grady and F. E. Wochley. 1,947,081; Feb. 13.
Guard for vehicle running boards. J. W. Hume. 1,947,525; Feb. 20.
Guard for windshield wiper blades. A. C. Weidanz. 1,963,637; June 19.
Guard for yarn guides of winding machines. C. F. Havey. 1,966,500; July 17.
Guard, Fruit. G. D. Bishop. 1,981,772; Nov. 20.
Guard, Fruit. A. A. Partner. 1,981,748; Nov. 20.
Guard, Hand. B. Moller. 1,984,613; Dec. 18.
Guard, Highway. W. S. Edge. 1,950,719; Mar. 13.
Guard, Highway. W. S. Edge. 1,970,954; Aug. 21.
Guard, Highway. H. J. Hick. 1,969,846; Aug. 14.
Guard, Highway. R. H. Irons and A. E. Eck. 1,969,885; Aug. 14.
Guard, Insect. T. Finkelstein. 1,949,198; Feb. 27.
Guard, Knitting point. G. A. Carlson. 1,967,005; July 17.
Guard, Motorcycle protecting. W. S. Harley. 1,941,801; Jan. 2.
Guard, Non-splash spraying. R. A. Trueman. 1,982,086; Nov. 27.
Guard pad, Toilet seat. C. D. Morton. 1,982,922; Dec. 4.
Guard rail lubricator. E. Overmier and T. E. Rodman. 1,977,082; Oct. 16.
Guard, Safe. H. Beach and W. H. Schaller. 1,951,266; Mar. 13.
Guard, Safety. S. Chilson. 1,973,465; Sept. 11.
Guard, Safety. J. C. Junkin. 1,966,447; July 17.
Guard, Safety lamp. D. C. Wilson. 1,958,222; May 8.
Guard, Safety zone. R. Callaghan. 1,959,568; May 22.
Guard, Saw. H. Thomas. 1,983,582; Dec. 11.
Guard, Snow. C. G. Buedel. 1,983,518; Dec. 11.
Guard strip. J. J. Banas. 1,974,325; Sept. 18.

- Guard tightener for mowers, binders, and analogous machines. L. J. Gockel. 1,974,022; Sept. 18.
- Guard, Window. F. P. Miller. 1,962,569; June 12.
- Guard, Window weather. E. A. Zetmeir. 1,981,019; Nov. 20.
- Guarding and guiding apparatus. E. D. Hanson. 1,955,805; Apr. 24.
- Guide. H. Dujardin. 1,964,873; July 3.
- Guide and hold-down for strand working apparatus. E. J. McIlvried. 1,967,834; July 24.
- Guide and stripper. J. R. Crockford. 1,959,020; May 15.
- Guide and take-up for electric cords. H. H. Moser. 1,943,136; Jan. 9.
- Guide arm, Adjustable. S. E. Hopper. 1,975,607; Oct. 2.
- Guide construction for filing drawers. F. L. G. Straubel. 1,983,577; Dec. 11.
- Guide, Drawer. W. C. Giesemann. 1,946,789; Feb. 13.
- Guide eyelet for textile apparatus. C. R. Howe. 1,964,356; June 26.
- Guide, Fish line. C. V. Noyes. 1,945,068; Jan. 30.
- Guide flange for rail vehicles. P. M. Bourdon. 1,972,678; Sept. 4.
- Guide, Flask pin and cope. H. C. Mitchell. 1,959,837; May 22.
- Guide for pipe cleaning devices. J. T. Shade. 1,982,402; Nov. 27.
- Guide for sliding members. R. L. Hanson. 1,985,495; Dec. 25.
- Guide for webs, Automatic. W. T. Armstrong. 1,945,411; Jan. 30.
- Guide means for a receptacle in photographic apparatus. E. L. Opperman. 1,950,904; Mar. 13.
- Guide mechanism. T. F. Banigan. 1,977,611; Oct. 23.
- Guide roller. E. Pascucci. 1,951,946; Mar. 20.
- Guide shell for rock drills. J. C. Curtis. 1,981,992; Nov. 27.
- Guide track for wood heel turning machines. G. Clausung. 1,948,257; Feb. 20.
- Guiding attachment for band saws. G. L. Parrish. 1,944,524; Jan. 23.
- Guiding means for corn pickers. E. Brooks. 1,973,045; Sept. 11.
- Guiding means for doors. A. E. Prince. 1,985,298; Dec. 25.
- Guiding means for line casting machine. B. L. Green. 1,968,364; July 31.
- Guiding means for suspended railway cars. G. D. Fish. 1,961,753; June 5.
- Guiding mechanism. C. M. Yoder. 1,973,458; Sept. 11.
- Guitar support. P. Rasmussen. 1,945,162; Jan. 30.
- Gum base, Making a chewing. G. A. Hatherell. 1,977,059; Oct. 16.
- Gum inhibitor. W. S. Calcott and H. W. Walker. 1,971,329; Aug. 28.
- Gum inhibitor for cracked hydrocarbons. F. B. Downing and H. W. Walker. 1,962,435; June 12.
- Gum inhibitor for hydrocarbon fuels. W. S. Calcott and I. E. Lee. 1,972,760; Sept. 4.
- Gum material and making same, Chewing. F. V. Canning. 1,975,447; Oct. 2.
- Gum mixing method, Chewing. F. A. Garbutt. 1,953,295; Apr. 3.
- Gum product, Chewing. C. Ellis. 1,976,774; Oct. 16.
- Gum tape serving device. T. H. Krueger. 1,967,578; July 24.
- Gum wrapping machine. A. Kneaskern. 1,985,832; Dec. 25.
- Gummed paper booking machine. W. F. Grupe. 1,980,400; Nov. 13.
- Gumming apparatus. D. Belcher. 1,958,779; May 15.
- Gumming mechanism for envelope machines. A. Novick. 1,961,162; June 5.
- Gumming tape, Device for. R. I. Meader. 1,968,897; Aug. 7.
- Gun. G. M. Barnes. 1,948,497; Feb. 27.
- Gun. C. F. Lefever. 1,978,799; Oct. 30.
- Gun. G. M. McCann. 1,974,429; Sept. 25.
- Gun, Adjustable and releasable pressure grease. J. S. and A. Johnson. 1,947,088; Feb. 13.
- Gun, Air. M. Andrews. 1,962,946; June 12.
- Gun, Air heating. N. Remseth and M. O. Engseth. 1,949,658; Mar. 6.
- Gun attachment. G. L. Jessup. 1,973,811; Sept. 18.
- Gun attachment, Grease. J. J. Smith. 1,948,318; Feb. 20.
- Gun, Automatic or self-loading. F. Gebauer and P. Kiraly. 1,985,493; Dec. 25.
- Gun barrel and barrel mounting. S. G. Green. 1,980,399; Nov. 13.
- Gun, Blow. S. T. Williams. 1,957,567; May 8.
- Gun carriage. G. M. Barnes. 1,951,338; Mar. 20.
- Gun carriage. O. L. Beardsley. 1,956,557; May 1.
- Gun carriage. A. P. Buquor. 1,949,352; Feb. 27.
- Gun carriage. E. C. Goebert. 1,959,357; May 22.
- Gun carriage. E. C. Goebert. 1,970,560; Aug. 21.
- Gun carrier rack, Hand. I. L. Eastman. Des. 92,125; May 1.
- Gun, Combination hand and air grease. A. Johnson. 1,945,813; Feb. 6.
- Gun fitting, Push on and pull off grease. M. B. Linton. 1,982,678; Dec. 4.
- Gun, Fluid dispensing. A. A. Smallhouse. 1,955,029; Apr. 17.
- Gun, Grease. W. V. Hall. 1,945,855; Feb. 6.
- Gun, Grease. C. Harris. 1,965,547; July 3.
- Gun, Grease. E. J. Macey. 1,945,651; Feb. 6.
- Gun, Grease. R. M. Stafford and G. H. Keith. 1,949,497; Mar. 6.
- Gun, Grease. E. R. Wharton. 1,944,201; Jan. 23.
- Gun, Hand blower dust. J. A. Chater, J. B. Cary, and J. E. Hollinger. 1,982,638; Dec. 4.
- Gun, Hand-operated high-pressure grease. H. Kreidel. 1,945,556; Feb. 6.
- Gun, Hot air. A. W. Adams. 1,946,262; Feb. 6.
- Gun, Log splitting. Q. E. Crume. 1,965,136; July 3.
- Gun, Machine. V. Rigby. 1,959,737; May 22.
- Gun, Machine. C. E. Simpson. 1,982,699; Dec. 4.
- Gun mount. C. G. Trimbach. 1,968,182; July 31.
- Gun mount, Aircraft. W. W. Webster and D. T. Brown. 1,954,837; Apr. 17.
- Gun, Oil. H. E. Schleif. 1,979,014; Oct. 30.
- Gun or projectile propelling apparatus, Electric. C. A. Huse. 1,985,254; Dec. 25.
- Gun pilot light. E. J. Brady and J. B. Claffey. 1,956,268; Apr. 24.
- Gun, Pneumatic grease. R. J. Gray. Re19,369; Nov. 13.
- Gun port closure. J. H. Buckers, Jr. 1,977,040; Oct. 16.
- Gun, Portable caulking. S. Clark. 1,976,253; Oct. 9.
- Gun rack. S. C. Parker. 1,951,255; Mar. 13.
- Gun, Riveting. E. W. Stevens. 1,978,118; Oct. 23.
- Gun, Rotary. L. D. Peik. 1,953,311; Apr. 3.
- Gun, Rotary abrasive blast. D. C. Coble and C. D. Steinmeier. 1,944,404; Jan. 23.
- Gun, Rotary sand blast pressure. L. D. Peik. 1,951,627; Mar. 20.
- Gun sight. F. E. Bliss. 1,964,027; June 26.
- Gun sight. J. B. Henderson. 1,978,944; Oct. 30.
- Gun sight. D. W. King. 1,982,058; Nov. 27.
- Gunsight reticule adjustment means. F. A. Fahrenwald. 1,949,100; Feb. 27.
- Gunsight reticule adjustment means. F. A. Fahrenwald. 1,950,790; Mar. 13.
- Gun sighting and elevating mechanism. R. W. J. Fletcher. 1,974,864; Sept. 25.
- Gun, Sporting. P. Scholberg. 1,982,401; Nov. 27.
- Gun, Spray. V. S. Faast. 1,964,255; June 26.
- Gun, Spray. J. E. Ferguson. 1,957,705; May 8.
- Gun, Spray. C. C. Hopkins. 1,945,147; Jan. 30.
- Gun, Spray. A. F. Jenkins. 1,982,056; Nov. 27.
- Gun, Spray. R. D. McIntosh. 1,964,127; June 26.
- Gun, Spray. H. A. Roselund. 1,962,911; June 12.
- Gun, Spray. W. M. Ruth. 1,945,164; Jan. 30.
- Gun, Spray. B. W. Shields. 1,981,077; Nov. 20.
- Gun, Spray. R. W. Tracy. 1,958,730; May 15.
- Gun, Tear gas. R. E. Waugh and L. W. Wile. 1,945,211; Jan. 30.
- Gun, Weed. C. L. Giezentanner. 1,960,738; May 29.
- Gun with locked controls, Spray. S. Bramsen. 1,950,779; Mar. 13.
- Guns, Apparatus for sighting and controlling. J. B. Henderson and A. L. Perham. 1,979,155; Oct. 30.
- Guns, Attachment for machine. L. W. McPherson. 1,945,154; Jan. 30.
- Gunfire control, System of and apparatus for. W. W. Willard. 1,942,079; Jan. 2.
- Gusher control regulator, Oil well. H. L. Walker. 1,978,877-8; Oct. 23.
- Gusset plate connection for truss frames. H. H. Robinson. 1,960,196; May 22.
- Gutta percha, balata, and like thermoplastic natural and artificial products and the manufacture of molded articles therefrom, Treatment of. W. S. Smith, H. J. Garnett, and J. N. Dean. 1,978,868; Oct. 30.
- Gutta percha, balata, and the like, Manufacture of refined. W. S. Smith, H. J. Garnett, and J. N. Dean. 1,978,869; Oct. 30.
- Gutter hanger circle and plate combination. J. Turer. 1,954,001; Apr. 10.
- Guy guard. C. L. Matthews. 1,954,642; Apr. 10.
- Gymnastic apparatus. H. G. Steen. 1,973,448; Sept. 11.
- Gypsum, Calcining. L. C. Karrick and W. L. Ellerbeck. 1,967,029; July 17.
- Gypsum, Calcining. W. B. Senseman. 1,984,201; Dec. 11.
- Gypsum contained in superphosphate into ammonium sulphate, Conversion of. H. Oehme. 1,949,129; Feb. 27.
- Gypsum, Producing high strength calcined. W. S. Randle, M. C. Dailey, and W. M. McNeil. 1,979,704; Nov. 6.
- Gypsum products, Producing porous. H. O. Kauffmann. 1,946,077; Feb. 6.
- Gypsum, Waterproofed. W. C. Hansen. 1,975,787; Oct. 9.
- Gyro baseline. M. F. Bates. 1,984,859; Dec. 18.
- Gyro pilot for aircraft. E. A. Sperry, Jr. 1,982,702; Dec. 4.
- Gyro vertical. R. E. Gillmor and B. A. Wittkuhns. 1,984,874; Dec. 18.
- Gyro vertical, Air driven. B. G. Carlson. 1,982,636; Dec. 4.
- Gyro vertical for aircraft. P. R. Bassett. 1,942,470; Jan. 9.
- Gyroscope, Air driven. B. G. Carlson and H. H. Thompson. 1,982,635; Dec. 4.
- Gyroscope control. G. A. Wood. 1,942,737; Jan. 9.
- Gyroscope, Directional. B. G. Carlson. 1,982,637; Dec. 4.
- Gyroscope apparatus. J. P. Brown. 1,975,740; Oct. 2.
- Gyroscopic base line. L. F. Carter. 1,981,687; Nov. 20.
- Gyroscopic base line. A. L. Rawlings. 1,950,517; Mar. 13.
- Gyroscopic control mechanism, Stabilizing and directing. L. Marmonier. 1,947,562; Feb. 20.
- Gyroscopic instrument. H. D. Allen. 1,975,442; Oct. 2.

- Gyroscopic instrument for aircraft. S. J. Zand. 1,946,657; Feb. 13.
- Gyroscopic system and apparatus. J. I. Bellamy. 1,953,918; Apr. 10.
- Hacksaw machine. D. E. Gommel. 1,962,588; June 12.
- Hacksaw, Power. G. J. Blum. 1,972,327-8; Sept. 4.
- Hafnium and zirconium, Separation of. W. Prandtl. 1,976,293; Oct. 9.
- Hair, Apparatus for permanent waving of the. G. Peyrole. 1,960,648; May 29.
- Hair, Apparatus for the waving of the. F. O. Conill. 1,979,531; Nov. 6.
- Hair, Apparatus for waving. D. Lakenbach. 1,957,046; May 1.
- Hair, Apparatus for waving. R. Mussy. 1,946,444; Feb. 6.
- Hair, Apparatus for waving. P. Santurello. 1,978,846; Oct. 30.
- Hair, Apparatus for waving. W. G. Shelton. 1,946,812; Feb. 13.
- Hair clipper. H. Aaron. 1,970,518; Aug. 14.
- Hair clipping attachment, Automatic. D. W. Buller. 1,982,979; Dec. 4.
- Hair confiner. Back. C. Casper. 1,953,531; Apr. 3.
- Hair curler. G. G. Campana. 1,971,745; Aug. 28.
- Hair curler. J. L. Everett. 1,944,417; Jan. 23.
- Hair curler. D. M. Humphrey. 1,951,658; Mar. 20.
- Hair curler. D. O. Isaacs. 1,974,460; Sept. 25.
- Hair curler. J. Scocca. 1,985,329; Dec. 25.
- Hair curler. F. Sehring. 1,978,394; Oct. 23.
- Hair curler. W. J. Tansey. 1,956,660-1; May 1.
- Hair curler or waver. W. J. Caley. 1,945,932; Feb. 6.
- Hair curling and hair waving device. E. M. Gjeruldsen. 1,959,420; May 22.
- Hair curling and waving device. W. Stricker and M. S. Clough. 1,967,544; July 24.
- Hair curling apparatus. C. H. Bongartz. 1,982,416; Nov. 27.
- Hair curling apparatus. G. W. Peterson. 1,965,156; July 3.
- Hair curling apparatus. W. B. Tubbs. 1,985,472; Dec. 25.
- Hair curling appliance. H. W. Ferguson. 1,968,754; July 31.
- Hair curling device. W. H. Cooper. 1,956,119; Apr. 24.
- Hair curling device. R. Klein and J. Bodnar. 1,951,616; Mar. 20.
- Hair curling device. A. Ratasep. 1,954,099; Apr. 10.
- Hair curling device. W. G. Shelton. 1,956,257; Apr. 24.
- Hair curling device. N. L. Solomon. 1,977,152; Oct. 16.
- Hair curling device. C. K. Thau. 1,953,787; Apr. 3.
- Haircutting appliance. L. A. Seilaz. 1,951,775; Mar. 20.
- Hair cutting implement. W. J. Motley. 1,976,290; Oct. 9.
- Hair device. J. Goodman. 1,983,978; Dec. 11.
- Hair, Device for use in waving or curling the. F. Maeder. 1,941,948; Jan. 2.
- Hairdress protector. C. Armsby. 1,948,556; Feb. 27.
- Hair dressing device. A. L. Prosser. 1,968,261; July 31.
- Hair dressing, Method and device for. A. L. Prosser. 1,968,262; July 31.
- Hair dressing pin. A. M. Daley. 1,972,644; Sept. 4.
- Hair drier. H. W. Knoll. 1,982,255; Nov. 27.
- Hair drier. W. F. Koken. 1,977,313; Oct. 16.
- Hair drier. R. A. Olsen. 1,976,509; Oct. 9.
- Hair drier. I. E. Tebo. Des. 93,146; Aug. 21.
- Hair drying apparatus. R. E. Drannon. 1,968,381; July 31.
- Hair drying apparatus. P. H. and J. B. Ordian. Des. 93,358; Sept. 18.
- Hair drying apparatus. L. Werner. Re19,404; Dec. 18.
- Hair drying apparatus. L. Werner. 1,965,090; July 3.
- Hair drying apparatus. L. Werner. 1,966,084; July 10.
- Hair drying machine. M. M. Broida and I. D. Foley. 1,955,941; Apr. 24.
- Hair end waver. J. Phillips. 1,962,615; June 12.
- Hair, Measuring the growth or production of. C. Nessler. 1,962,357; June 12.
- Hair, Method of and apparatus for waving. J. Macdonald. 1,974,924; Sept. 25.
- Hair net. S. Grasso and A. Bongiovanni. 1,981,790; Nov. 20.
- Hairpin. M. Baldwin. 1,943,936; Jan. 16.
- Hair production of a subject, Ascertaining the. C. Nessler. 1,962,518; June 12.
- Hair roller. S. Behr. 1,956,090; Apr. 24.
- Hair shaping attachment. A. H. Madore. 1,975,328; Oct. 2.
- Hair straightening device. A. J. N. de Requesens. 1,972,981; Sept. 11.
- Hair treating apparatus and also process of permanently straightening hair on a human head. J. K. Livingston. 1,983,909; Dec. 11.
- Hair treating box. P. G. Gaire. 1,958,163; May 8.
- Hair waver. F. Binder. 1,982,948; Dec. 4.
- Hair waver. J. Goodman. 1,944,737; Jan. 23.
- Hair waving apparatus. A. G. Borden. 1,941,594; Jan. 2.
- Hair waving apparatus. D. R. David. 1,947,582; Feb. 20.
- Hair waving apparatus. W. H. H. Davis. 1,972,186; Sept. 4.
- Hair waving apparatus. W. H. H. Davis. 1,980,475; Nov. 13.
- Hair waving apparatus. G. Decker. 1,948,467; Feb. 20.
- Hair waving apparatus. G. Decker. 1,973,336; Sept. 11.
- Hair waving apparatus. S. Geppi. 1,976,490; Oct. 9.
- Hair waving apparatus. H. Gerken. 1,946,847; Feb. 13.
- Hair waving apparatus. R. M. Keele. 1,942,965; Jan. 9.
- Hair waving apparatus. R. M. Keele. 1,969,930; Aug. 14.
- Hair waving apparatus. R. M. Keele. 1,984,585; Dec. 18.
- Hair-waving apparatus. H. Meier and E. Gründmann. 1,982,684; Dec. 4.
- Hair waving apparatus. T. I. Moseley. 1,942,972; Jan. 9.
- Hair waving apparatus. W. G. Shelton. 1,946,813; Feb. 13.
- Hair waving apparatus. W. G. Shelton. 1,969,908; Aug. 14.
- Hair waving, Apparatus for. G. Decker. 1,949,370; Feb. 27.
- Hair waving, Apparatus for. G. Decker. 1,958,185; May 8.
- Hair waving, Apparatus for. G. Decker. 1,972,621; Sept. 4.
- Hair waving, Apparatus for. G. Decker. 1,983,970; Dec. 11.
- Hair-waving, Apparatus for permanent. L. G. Agostini. 1,978,243; Oct. 23.
- Hair waving apparatus, permanent. R. G. Eberhard. 1,969,300; Aug. 7.
- Hair waving apparatus, Permanent. A. E. Watkins. 1,954,273; Apr. 10.
- Hair waving appliance. C. Ronzi. 1,981,373; Nov. 20.
- Hair waving clamp. W. G. Shelton. 1,969,907; Aug. 14.
- Hair-waving device. R. Bobé. 1,955,405; Apr. 17.
- Hair waving device. W. H. Hermsdorf. 1,952,709; Mar. 27.
- Hair waving device. D. Lakenbach. 1,957,048; May 1.
- Hair-waving device. J. C. Murray and W. S. Lewis. 1,974,625; Sept. 25.
- Hair waving device. J. Vacek. 1,967,339; July 24.
- Hair waving device, Permanent. W. H. Cooper. 1,956,118; Apr. 24.
- Hair waving heater. W. G. Shelton. 1,956,256; Apr. 24.
- Hair waving implement. B. M. Blake. 1,975,189; Oct. 2.
- Hair waving machine. E. Baum. Des. 93,263; Sept. 11.
- Hair waving machine. W. H. Cooper. 1,946,392; Feb. 6.
- Hair waving machine. C. A. Fetters. 1,982,156; Nov. 27.
- Hair waving or curling rod. V. N. Nicosia. 1,983,144; Dec. 4.
- Hair winder. W. G. Shelton. 1,956,258; Apr. 24.
- Half-tone screen. A. A. Pearson. 1,945,865; Feb. 6.
- Half tones, Producing balanced. F. T. Powers. 1,954,097; Apr. 10.
- Halide and making the same, Colloidal. E. Govett. 1,951,354; Mar. 20.
- Halide-mercuri nitro-cresols. G. W. Raiziss. 1,967,686; July 24.
- Halide solutions to liberate free halogen, Controlling oxidation of. J. J. Grebe and R. H. Boundy. 1,944,738; Jan. 23.
- Halo-fluoro-compounds, Purification of organic. R. A. Dunphy. 1,946,199; Feb. 6.
- Halogen anthraquinone benzacridones. M. A. Kunz, K. Koerberle, and E. Berthold. 1,967,364; July 24.
- Halogen-benzanthrone and making same. M. A. Kunz and K. Koerberle. 1,955,135; Apr. 17.
- Halogen butadienes and preparing the same. W. H. Carothers and D. D. Coffman. 1,950,441; Mar. 13.
- Halogen compounds, Dehalogenation of cyclic. M. A. Kunz and K. Koerberle. 1,973,003; Sept. 11.
- Halogen-containing compounds and preparing same. D. D. Coffman. 1,964,720; July 3.
- Halogen derivatives of acetylene polymers and making same. W. H. Carothers and A. M. Collins. 1,950,431; Mar. 13.
- Halogen derivatives of hydrocarbons, Hydrolysis of. C. L. Campbell. 1,953,745; Apr. 3.
- Halogen derivatives of isodibenzopyrenequinones. M. A. Kunz and K. Koerberle. 1,942,761; Jan. 9.
- Halogen substitution reactions, Inhibition of. R. M. Deanesly. 1,952,122; Mar. 27.
- Halogens from brines, Method of and apparatus for recovering. O. V. Martin. 1,956,993; May 1.
- Halogens, Recovering. H. E. Bierbaum. 1,972,546; Sept. 4.
- Ham boiler. H. Adelman. 1,965,402; July 3.
- Ham boiler. N. M. Samuel. 1,981,075; Nov. 20.
- Ham display and holding device. W. W. Hubenet. 1,954,527; Apr. 10.
- Ham mold. R. Roth, A. W. Pollock, J. I. Johnson, and B. Rithamer. 1,962,877; June 12.
- Ham saw-gauge. S. C. Calef. 1,975,191; Oct. 2.
- Hams, Trimming. J. A. Donahoe. 1,959,022; May 15.
- Hammer. J. N. Baker. 1,959,516; May 22.
- Hammer, Beer barrel bung. C. R. Schnitman. Des. 91,790; Mar. 20.
- Hammer, Claw. G. Moses. 1,959,380; May 22.
- Hammer device for pipe lines under pressure, Anti-water. E. Bictet. 1,960,987; May 29.
- Hammer, Drop. A. Schneider. 1,957,021; May 1.
- Hammer, Drop. F. J. Vichek. 1,954,155-7; Apr. 10.
- Hammer, Drop. F. J. Vichek. 1,956,885; May 1.
- Hammer, Drop. J. C. Wattieworth. 1,954,159; Apr. 10.
- Hammer, Electric. C. Stansbury. 1,954,029; Apr. 10.
- Hammer, Electromagnetic. G. M. J. Blomqvist and F. O. J. Kinley. 1,941,655; Jan. 2.
- Hammer, Gasoline. E. W. Roberts. 1,977,645; Oct. 23.
- Hammer link moving means, Mechanical power. H. Schwob. 1,961,458; June 5.
- Hammer, Mechanical power. H. Schwob. 1,951,169-70; Mar. 13.
- Hammer-mechanism for audible-signal clocks. E. L. Carlson. 1,966,002; July 10.
- Hammer mill. T. C. Alfred. Re19,330; Oct. 2.
- Hammer mill. C. E. Everett. 1,960,626; May 29.

- Hammer mill. F. N. G. Kranick. 1,962,778; June 12.
 Hammer mill. W. F. MacGregor and O. M. Geer. 1,945,054; Jan. 30.
 Hammer mill. E. G. Myers. 1,960,346; May 29.
 Hammer, Nail pulling. J. F. Cowrie. 1,957,760; May 8.
 Hammer operating with a variation in atmospheric pressure. C. Schatt. 1,968,962; Aug. 7.
 Hammer, Pneumatic. A. A. and C. R. Heitzman. 1,954,411; Apr. 10.
 Hammer, Rotary. S. C. Jensen. 1,954,175; Apr. 10.
 Hammer, Swaging. H. Béché. 1,979,931; Nov. 6.
 Hammer cup. H. Béché. 1,977,420; Oct. 16.
 Hand abrading machine, Portable. A. N. Emmons. 1,945,425; Jan. 30.
 Hand, Artificial. F. C. Henning. 1,981,698; Nov. 20.
 Hand bag. H. D. Gihon, 3d. 1,953,895; Apr. 3.
 Hand bag. H. D. Gihon, 3d. 1,976,698; Oct. 9.
 Hand bag. W. C. Hering. 1,952,132; Mar. 27.
 Hand bag. W. C. Hering. 1,963,492; June 19.
 Hand bag. W. C. Hering. 1,980,684; Nov. 13.
 Hand-bag. I. Lending. Des. 91,890; Apr. 3.
 Hand bag. D. Rosenzweig. 1,956,106; Apr. 24.
 Hand bag frame. F. W. Goerdes. 1,976,665; Oct. 9.
 Hand bag frame. F. W. Goerdes. 1,977,551; Oct. 16.
 Hand bag frame. D. Karon. Des. 93,718-22; Oct. 30.
 Hand bag frame. D. Lewis. Des. 91,564-7; Feb. 20.
 Hand bag frame. C. J. McCabe and I. Schoenholz. 1,948,040; Feb. 20.
 Hand bag frame. E. Poeter. 1,948,393; Feb. 20.
 Hand brake. A. S. Barrows. 1,960,935; May 29.
 Hand brake. S. B. Haseltine. 1,978,530; Oct. 30.
 Hand brake. H. J. Lounsbury. 1,950,618; Mar. 13.
 Hand brake. R. J. Olander. 1,974,581; Sept. 25.
 Hand brake. R. J. Olander. 1,982,016; Nov. 27.
 Hand cover. R. Okuda. 1,962,258; June 12.
 Hand-covering, Heated. R. M. Eisendrath. 1,970,081; Aug. 14.
 Handcuff. J. W. Harrington. 1,984,677; Dec. 18.
 Handcuff. Y. Smith-Stange. 1,950,757; Mar. 13.
 Hand grenade. R. A. Hunter. 1,961,364; June 5.
 Hand grenade. J. D. Moreno and V. F. de la Vega. 1,975,014; Sept. 25.
 Handline carrier. W. J. Yerck. 1,972,434; Sept. 4.
 Hand luggage case. G. H. Wheary. 1,947,542; Feb. 20.
 Hand luggage case. G. H. Wheary. 1,968,579; July 31.
 Hand operated indicator. M. Peterson. 1,954,598; Apr. 10.
 Hand operated lock. J. Holtzman. 1,964,157; June 26.
 Hand operated lock. J. Holtzman. 1,966,171; July 10.
 Hand protecting device. W. J. McCann. 1,972,197; Sept. 4.
 Hand protector. C. Tweedie. 1,943,567; Jan. 16.
 Hand sanding tool. C. Blomstrom. 1,944,727; Jan. 23.
 Hand signal. E. B. Thompson. 1,952,480; Mar. 27.
 Handwheel. C. R. Crane, 2d. Des. 93,972; Dec. 4.
 Hand wind gauge. C. J. Ostman. 1,967,449; July 24.
 Handkerchief and tie set and making same. A. Tausik. 1,980,507; Nov. 13.
 Handkerchief fabric. M. S. Sutton. 1,951,582; Mar. 20.
 Handkerchief, Pocket. R. B. Hayden. Des. 91,655; Mar. 6.
 Handle: *See*—
 Basket handle. Electric switch handle.
 Bottle cap handle. Extension handle.
 Carrier handle. Fastening tool handle.
 Casket handle. Metal threaded handle.
 Cold handle. Mop handle.
 Dipper handle. Shovel handle.
 Electric instrument handle. Tool handle.
 Electric iron handle. Toothbrush handle.
 Handle. A. L. Birdsall. 1,977,037; Oct. 16.
 Handle. D. P. Cruikshank. 1,976,118; Oct. 9.
 Handle. H. E. De Vries. Des. 94,120; Dec. 25.
 Handle. W. Finkelstein. 1,977,626; Oct. 23.
 Handle. W. Finkelstein. 1,977,674; Oct. 23.
 Handle. G. K. Forbes. 1,977,180; Oct. 16.
 Handle. L. E. Wheeler. Des. 91,288; Jan. 2.
 Handle and cable housing for electric devices. F. O. Albertson. 1,977,224; Oct. 16.
 Handle and cable housing for electric motor driven tools. F. O. Albertson. 1,954,977; Apr. 17.
 Handle and core for frozen confections. I. E. Jacobson. 1,984,799; Dec. 18.
 Handle connection, Adjustable and detachable. C. S. Trippeda. 1,979,180; Oct. 30.
 Handle control for fishing reels. R. Bryant. 1,974,640; Sept. 25.
 Handle-fastening of tools. W. Piel. 1,967,562; July 24.
 Handle for baskets. C. J. Dudley. 1,974,178; Sept. 18.
 Handle for baskets, Wire. L. M. Hile. 1,946,794; Feb. 13.
 Handle for caskets, Extension. S. M. Riddick. 1,956,593; May 1.
 Handle for coffee makers and the like. F. E. Wolcott. 1,977,364; Oct. 16.
 Handle for cooking utensils, Detachable. N. W. Cummins and J. A. Johnson. 1,943,585; Jan. 16.
 Handle for kitchen or camp implements or utensils. B. H. Smith. 1,981,082; Nov. 20.
 Handle for knives, forks, or like articles and making the same, Hard rubber. I. Q. Gurnee. 1,978,532; Oct. 30.
 Handle for polo mallets, Semi-flexible. H. P. Nelson. 1,976,455; Oct. 9.
 Handle for portable gramophones or the like, Carrying. F. A. Mitchell and A. C. Hiscocks. 1,958,587; May 15.
 Handle for sweeps and the like. A. V. Hart. 1,972,653; Sept. 4.
 Handle for tools. M. L. Haas. Des. 91,875; Apr. 3.
 Handle grip. A. Hessmert. 1,983,756; Dec. 11.
 Handle grip for levers. R. A. Sandberg. 1,980,703; Nov. 13.
 Handle lock for vacuum cleaners. E. S. Crispin. 1,943,163; Jan. 9.
 Handle of compressed air hammers, Cushioning of the. F. Faudi. 1,973,432; Sept. 11.
 Handle of golf clubs and the like. C. D. Robertson. 1,979,174; Oct. 30.
 Handle or knob for a rheostat or the like. A. W. Krieger. Des. 93,773; Nov. 6.
 Handle or pull. W. D. Ferris. Des. 91,994; Apr. 17.
 Handle or similar article. K. Rettich. Des. 93,848; Nov. 13.
 Handle or similar article for an automotive vehicle, Outside door. T. L. Hibbard. Des. 91,356; Jan. 16.
 Handle portion reinforcement for milk bottle cases. J. F. Maurer, jr. 1,974,718; Sept. 25.
 Handle reinforcing cup. E. R. Krueger. 1,985,375; Dec. 25.
 Handle-release mechanism for vacuum cleaners. H. L. Zabriskie. 1,968,238; July 31.
 Handle structure for vacuum cleaners and the like. N. H. Watts. 1,965,361; July 3.
 Handle-testing machine. R. L. Drake and L. D. Titus. 1,946,438; Feb. 6.
 Handle to a stem or spindle, Attaching a. H. Michel. 1,982,011; Nov. 27.
 Handles, Making toothbrush. F. A. Parkhurst. 1,984,805; Dec. 18.
 Handles, Manufacturing brush. R. Izawa. 1,983,035; Dec. 4.
 Handles, Molding insulating. W. F. Lent. 1,974,618; Sept. 25.
 Handler, Invalid. T. H. Haskett. 1,977,944; Oct. 23.
 Handling apparatus for airships. C. M. Bolster. 1,972,863; Sept. 11.
 Handling mechanism for storage battery panels, Automatic. J. Graves. 1,956,022; Apr. 24.
 Handling mechanism for washers. C. L. Brackett. 1,958,179; May 8.
 Hanger: *See*—
 Bacon hanger. Necktie hanger.
 Bathtub hanger. Picture hanger.
 Beam hanger. Pipe hanger.
 Book hanger. Plumbing fixture hanger.
 Brake hanger. Seat hanger.
 Broom hanger. Service hanger.
 Ceiling hanger. Side door hanger.
 Clothes hanger. Soffit hook hanger.
 Clothesline hanger. Spring hanger.
 Coat hanger. Suit hanger.
 Collapsible garment hanger. Supporting hanger.
 Door hanger. Tobacco hanger.
 Garage door hanger. Tool handle.
 Garment hanger. Trolley wire hanger.
 Gas meter hanger. Trouser hanger.
 Lamp hanger. Tube hanger.
 Meter hanger. Window sash hanger.
 Hanger. H. J. Asleson and O. S. McCormick. 1,976,595; Oct. 9.
 Hanger. V. D'Amato. 1,975,254; Oct. 2.
 Hanger. S. H. Wanaik. 1,954,720; Apr. 10.
 Hanger and camphor holder, Combination clothes. M. and J. Roman. 1,981,072; Nov. 20.
 Hanger and clothes tree, Garment. W. B. Pope. 1,981,569; Nov. 20.
 Hanger bracket. C. D. Brouette. 1,955,223; Apr. 17.
 Hanger for draperies. C. S. Nudelman and H. Kruglick. 1,945,228; Jan. 30.
 Hanger for tools, etc., Quick release. T. R. Roberts. 1,960,511; May 29.
 Hanger forming machine, Garment. J. H. Moore. 1,968,306; July 31.
 Hanger hood, Garment. B. Bloom. 1,977,167; Oct. 16.
 Hanger rod. J. I. Bowers. 1,968,807; Aug. 7.
 Hank holder for winding machines. H. C. Hicks, H. Clyde, and P. Martin. 1,954,129; Apr. 10.
 Hanks during dyeing, finishing, and the like, Apparatus for rotating. W. G. Gass. 1,978,258; Oct. 23.
 Hard product and making same. O. W. Sandell. 1,953,832; Apr. 3.
 Hardened articles, Manufacturing. A. Fry and R. Wasmuth. 1,950,549; Mar. 13.
 Hardening and waterproofing compound for cement and concrete mixtures. R. E. A. De Bow. 1,951,186; Mar. 13.
 Hardness tester. P. Craemer. 1,973,333; Sept. 11.
 Hardware, Builder's. J. J. Briggs. 1,976,116; Oct. 9.
 Hardware, Builder's. E. H. Johnson. 1,966,205; July 10.
 Hardware for guy strain insulators. G. C. Hill. 1,977,129; Oct. 16.
 Harmonic converter circuit. O. M. Leich. 1,969,376; Aug. 7.
 Harmonica. C. H. Bennington and I. L. Stein. Re19,299; Sept. 4.
 Harmonica. C. H. Bennington and I. L. Stein. Des. 92,285; May 22.
 Harmonica-frequency timing system. R. J. Wensley. 1,955,316; Apr. 17.
 Harmonica holder. A. L. Futer. 1,954,169; Apr. 10.

- Harmonica megaphone. L. A. Elkington. 1,951,928; Mar. 20.
- Harness cords for jacquard machines, Apparatus for use in the production of. J. T. Hardaker. 1,947,645; Feb. 20.
- Harness cords for jacquard machines, Formation and arrangement of the. J. Hardaker. 1,947,646; Feb. 20.
- Harness motion and pattern control therefor. A. A. Gordon. 1,961,042; May 29.
- Harp, Jew's. D. Stamey. 1,974,370; Sept. 18.
- Harrow. L. Hotto. 1,974,869; Sept. 25.
- Harrow. A. C. Lindgren. 1,973,988; Sept. 18.
- Harrow. R. C. Nesbit. 1,983,143; Dec. 4.
- Harrow. C. H. White. 1,941,504; Jan. 2.
- Harrow attachment. H. Schurmann. 1,971,278; Aug. 21.
- Harrow disk and bearings therefor. J. W. Lemon. 1,961,561; June 5.
- Harrow elevator, Automatic. F. C. Atkinson. 1,953,208; Apr. 3.
- Harrow tooth. C. Wyss. 1,950,834; Mar. 13.
- Harrow truck. O. E. Nehler. 1,978,815; Oct. 30.
- Harvester. R. L. Anderson. 1,948,484; Feb. 27.
- Harvester. R. L. Anderson. 1,950,210; Mar. 6.
- Harvester. M. R. Baker. 1,941,821; Jan. 2.
- Harvester. R. C. Livesay. 1,954,630; Apr. 10.
- Harvester. L. D. Morse. 1,972,407; Sept. 4.
- Harvester. E. Patterson. 1,960,594; May 29.
- Harvester. E. J. Rimple. 1,960,596; May 29.
- Harvester. J. A. Walsh and N. R. Krause. 1,945,009; Jan. 30.
- Harvester. E. E. Wickersham. 1,945,497; Jan. 30.
- Harvester, Bean. G. H. Self. 1,944,829; Jan. 23.
- Harvester, Bean. W. E. Urschel. 1,948,975; Feb. 27.
- Harvester, Beet. G. Pierson. 1,957,108; May 1.
- Harvester, Beet. W. E. Urschel. 1,964,896; July 3.
- Harvester, Corn. N. F. Andrews. 1,977,790; Oct. 23.
- Harvester, Corn. W. J. Coultas. 1,970,797; Aug. 21.
- Harvester, Corn. W. J. Coultas and N. F. Andrews. 1,967,498; July 24.
- Harvester, Corn. A. and H. L. Rosenthal. 1,984,895; Dec. 18.
- Harvester, Corn. H. L. Steel. 1,978,968; Oct. 30.
- Harvester, Cotton. F. T. Court. 1,967,924; July 24.
- Harvester, Cotton. R. H. Hamme. 1,946,741; Feb. 13.
- Harvester, Cotton. L. B. Neighbour and F. A. Thomann. 1,946,542; Feb. 13.
- Harvester, Cotton. E. G. Stone. 1,942,192; Jan. 2.
- Harvester, Cotton. F. A. Thomann. 1,959,070; May 15.
- Harvester, Cotton. F. A. Thomann. 1,978,888; Oct. 30.
- Harvester finger bar. O. F. Carlson. 1,947,123; Feb. 13.
- Harvester for low growing seed crops, such as lespedeza, clover, and cow peas. R. C. and J. S. Redpath. 1,960,978; May 29.
- Harvester hitch. C. E. Everett. 1,941,670; Jan. 2.
- Harvester pick-up. W. F. MacGregor. 1,979,974; Nov. 6.
- Harvester, Potato. F. Y. Rodin. 1,975,668; Oct. 2.
- Harvester, Sweet clover seed. H. G. Guyle. 1,975,572; Oct. 2.
- Harvester thresher. E. A. Johnston, C. R. Raney, and A. E. W. Johnson. 1,948,921; Feb. 27.
- Harvester thresher. A. B. Welty. 1,948,895; Feb. 27.
- Harvester thresher. A. B. Welty. 1,964,491; June 26.
- Harvester-thresher, Combination. W. F. MacGregor. 1,972,783; Sept. 4.
- Harvester, Tractor beet. J. Morkovski. 1,977,523; Oct. 16.
- Harvester, Windrow. E. A. Johnston, A. C. Lindgren, C. R. Raney, and B. M. Hyman. 1,944,347; Jan. 23.
- Harvester, Windrow. A. C. Lindgren and C. R. Raney. 1,944,750; Jan. 23.
- Harvester, Windrow. A. C. Lindgren and C. R. Raney. 1,948,927; Feb. 27.
- Harvesting. W. E. Urschel. 1,977,784; Oct. 23.
- Harvesting, Apparatus for and method of. A. D. Kettenbach and E. F. Huddle. 1,954,629; Apr. 10.
- Harvesting machine. T. N. Pierson. 1,942,037; Jan. 2.
- Harvesting machine. C. P. Powers. 1,978,505; Oct. 30.
- Harvesting machines, Down-stalk lifting attachment for. R. B. Gray and L. G. Schoenleber. 1,956,676; May 1.
- Harvesting, threshing, and grain measuring device, Combined. A. J. Hartley. 1,954,479; Apr. 10.
- Hasp. A. T. Long. 1,951,551; Mar. 20.
- Hasp lock. J. Yanusko. 1,976,274; Oct. 9.
- Hassock. J. R. Ellis. Des. 91,517; Feb. 20.
- Hat. O. B. Carter. 1,977,983; Oct. 23.
- Hat. O. Friedman. Des. 93,651; Oct. 23.
- Hat. J. Harburger. Des. 93,654-5; Oct. 23.
- Hat. S. Schaffer. Des. 92,932; July 31.
- Hat. E. Wittcoff. Des. 91,577 Feb. 20.
- Hat. J. N. Wolf. 1,973,594; Sept. 11.
- Hat and coat hanger. A. B. Stewart. 1,978,770; Oct. 30.
- Hat, and in the method of producing the same, Imitation straw. E. Wittcoff. 1,953,697; Apr. 3.
- Hat block construction. H. E. Gough. 1,945,368; Jan. 30.
- Hat-box indicator. H. W. Faus. 1,979,875; Nov. 6.
- Hat brim pressing machine. J. L. Card. 1,953,041; Mar. 27.
- Hat construction. F. T. Joy. 1,965,767; July 10.
- Hat construction. R. K. Reynolds. 1,981,286; Nov. 20.
- Hat construction and method and apparatus for making the same. A. E. Hodshon. 1,944,791; Jan. 23.
- Hat display device. L. Cohen. 1,977,172; Oct. 16.
- Hat forming device. F. Pertot. 1,951,438; Mar. 20.
- Hat-forming die. I. Kiwad. 1,950,054; Mar. 6.
- Hat head-size measuring machine. F. Marriott and W. E. Hyatt. 1,977,449; Oct. 16.
- Hat holder. G. O. Dunn. 1,953,396; Apr. 3.
- Hat holder. F. Switzer. 1,953,373; Apr. 3.
- Hat holding device. J. C. Van Aken. Des. 93,309; Sept. 11.
- Hat ironing and finishing machine. S. C. Markatos. 1,979,698; Nov. 6.
- Hat ironing machine or the like. J. F. Doran. 1,944,655; Jan. 23.
- Hat, Lady's. I. Kaplan. Des. 92,403; June 5.
- Hat making apparatus. G. V. MacKinnon. 1,958,857; May 15.
- Hat or analogous article, Cellophane. C. Coffey. Des. 92,701; July 10.
- Hat or cap, Safety. A. A. Strauss. 1,977,215; Oct. 16.
- Hat press. A. Demnitz. 1,972,378; Sept. 4.
- Hat rack. M. J. Cassese. 1,960,370; May 29.
- Hat rack. L. Cohen. Des. 93,090; Aug. 21.
- Hat rack, Automobile. S. C. Miller. 1,978,216; Oct. 23.
- Hat sizing machine. W. J. Ollinger and R. Musyl. 1,952,773; Mar. 27.
- Hat stand. G. A. Johnston. 1,969,799; Aug. 14.
- Hat stand. H. I. Snyder. Des. 93,054; Aug. 14.
- Hat, Straw. J. Cavanagh. 1,961,739; June 5.
- Hat, Straw helmet. A. Uriwal. Des. 93,898; Nov. 20.
- Hat, Sun. E. Wittcoff. Des. 91,746-7; Mar. 13.
- Hat support, Adjustable. G. A. Johnson. 1,972,018; Aug. 28.
- Hat support or hanger. W. J. Connell. 1,957,096; May 1.
- Hat, Ventilated. J. H. Tice, jr. 1,955,986; Apr. 24.
- Hat working machine. I. A. Eichenbaum. 1,950,102; Mar. 6.
- Hats, Finishing. A. Spechler. 1,974,932; Sept. 25.
- Hats, Manufacturing cellophane. C. Coffey. 1,967,199; July 17.
- Hatches, Device for battening down. D. W. Halvorsen. 1,984,130; Dec. 11.
- Hay, Apparatus for storage and ventilation of. J. G. Shodron. 1,981,434; Nov. 20.
- Hay carrier return device. L. E. Fike. 1,953,400; Apr. 3.
- Hay crushing machine. C. Christiansen. 1,958,910; May 15.
- Hay drying and the like. A. V. Sims. 1,946,814; Feb. 13.
- Hay gathering and trussing machine. A. M. Jeanson. 1,959,676; May 22.
- Haymaker. F. Baneking. 1,955,230; Apr. 17.
- Hay, Method and apparatus for the storage, curing, and preservation of. J. G. Shodron. 1,981,436; Nov. 20.
- Hay, Preserving. F. J. Kreutzer. 1,981,420; Nov. 20.
- Hayrack. H. H. Claybaker. 1,966,710; July 17.
- Hay-retaining finger for stacker teeth. E. O. Sondenno. 1,982,147; Nov. 27.
- Head and shaft assembly for golf clubs. L. A. Young. 1,983,158; Dec. 4.
- Head, Casing. F. J. Hinderliter. 1,968,685; July 31.
- Head, Changeable. E. Jacobson. 1,942,370; Jan. 2.
- Head-down persuader. A. P. Schneider. 1,980,101; Nov. 6.
- Head for gear shift levers, Illuminated. H. C. Fenzlein. 1,949,155; Feb. 27.
- Head for golf clubs. H. K. B. Davis. 1,965,954; July 10.
- Head for golf sticks and the like. C. V. Ackerman. 1,975,307; Oct. 2.
- Head for packing apparatus. J. G. Kuhn. 1,953,861; Apr. 3.
- Head for puncturing closure disks. O. N. Wiswell. 1,919,387; Nov. 27.
- Headgear. G. A. Shaffer and F. H. Wirtz. 1,955,098; Apr. 17.
- Headgear for supporting telephone instruments. R. H. Barclay. 1,951,332; Mar. 20.
- Head lamp. T. G. Melish. 1,981,564; Nov. 20.
- Headlamp control. C. S. Ricker. 1,967,515; July 24.
- Headlamp, Motor road vehicle. C. D. Burney. 1,978,293; Oct. 23.
- Headlamp safety device. L. A. Molten. 1,941,571; Jan. 2.
- Headlight. C. G. Aldrich. 1,954,978; Apr. 17.
- Headlight. J. E. Hines. Des. 91,824; Mar. 27.
- Headlight. G. A. M. Lamblin-Parent. 1,955,597-8; Apr. 17.
- Headlight. G. A. M. Lamblin-Parent. 1,955,600; Apr. 17.
- Headlight. A. Molnar. 1,959,248; May 15.
- Headlight. M. Sanramaria. 1,966,736; July 17.
- Headlight. J. S. Walch. 1,949,769; Mar. 6.
- Headlight. J. S. Walch. 1,965,869; July 10.
- Headlight. E. M. Warner. 1,961,836; June 5.
- Headlight attachment. P. W. Hammerle and L. Mullner. 1,958,478; May 15.
- Headlight attachment. E. C. Smally. 1,973,361; Sept. 11.
- Headlight, Automobile or vehicle. F. Keller and A. Rieck, jr. 1,959,830; May 22.
- Headlight beam control. J. G. Garcia. 1,955,280; Apr. 17.
- Headlight beam deflector. J. S. Walch. 1,953,663; Apr. 3.
- Headlight construction. M. R. Hoag. 1,948,264; Feb. 20.
- Headlight control apparatus, Vehicle. R. Hipp, jr. 1,942,289; Jan. 2.
- Headlight deflector. H. W. Upmeyer. 1,967,342; July 24.
- Headlight, Dirigible. F. B. Millington. 1,975,117; Oct. 2.

- Headlight focusing gauge. F. Zwiercan. 1,985,393; Dec. 25.
- Headlight for automobiles or the like. M. R. Hoag. Des. 92,553; May 29.
- Headlight for motor vehicles, Adjustable. J. A. Desnoyers. 1,971,174; Aug. 21.
- Headlight for toy locomotives. E. D. Boisselier. Re19,248; July 24.
- Headlight for vehicles. R. J. Hicks. 1,977,274; Oct. 16.
- Headlight indicator. J. W. Stevens. 1,982,459; Nov. 27.
- Headlight lens and reflector, Combined. B. A. Forbes. 1,950,918; Mar. 13.
- Headlight lens, Automobile. G. K. Hundley. Des. 93,553; Oct. 9.
- Headlight lens, Nonglare. G. E. Smith. 1,964,861; July 3.
- Headlight, Motor vehicle. G. A. M. Lamblin-Parent. 1,955,599; Apr. 17.
- Headlight reflector. C. E. Rose. 1,948,680; Feb. 27.
- Headlight rim. E. L. Udell. Re19,211; June 12.
- Headlight system for automotive vehicles. H. H. Gordon. 1,947,043; Feb. 13.
- Headlight tester. J. G. Collins. 1,968,070; July 31.
- Headlight, Variable light. L. L. Lewis. 1,951,699; Mar. 20.
- Headlights for vehicles, Turning. G. B. Wettstein. 1,952,346; Mar. 27.
- Head protector. F. Rightmire. 1,967,067; July 17.
- Headrest, Adjustable. F. H. McCann. 1,957,608; May 8.
- Headrest, Adjustable. D. Tursi. 1,977,159; Oct. 16.
- Head rest for shampoo purposes. M. Pottern. 1,961,244; June 5.
- Headrest, Surgical. H. S. Rusk. 1,971,624; Aug. 28.
- Headstock for lathes. C. Bouillon. 1,979,443; Nov. 6.
- Headstock unit. E. C. Bullard. 1,970,277; Aug. 14.
- Header and forming the same. R. H. Wang. 1,964,100; June 26.
- Header and separable tubular unit. W. H. Armacost. 1,975,494; Oct. 2.
- Header construction and heat transfer apparatus. H. M. Hope. 1,938,380; Feb. 20.
- Header, Double stroke cold. J. H. Friedman. 1,955,061; Apr. 17.
- Header or upsetting machine. R. L. Wilcox. 1,968,921; Aug. 7.
- Header or upsetting machine. R. L. Wilcox. 1,977,161; Oct. 16.
- Heading device, Automatic. A. Boynton. 1,968,633; July 31.
- Heading machine for kafir-corn, sorghum, and the like. P. Bushkovskii. 1,949,779; Mar. 6.
- Heading tab for journals and the like. M. T. Dunning. 1,965,797; July 10.
- Health apparatus. J. M. Tolchin. 1,984,165; Dec. 11.
- Hearing aid device. E. H. Greibach. 1,973,410; Sept. 11.
- Hearse. W. H. Heise. 1,968,205; July 31.
- Hearse, Side loading. W. Myers and F. Thomas. 1,965,965; July 10.
- Hearths of baking ovens, Device for cleaning the. W. Singer. 1,959,307; May 15.
- Heat absorbing apparatus for use with solar energy. R. H. Goddard. 1,951,403; Mar. 20.
- Heat accumulator. H. and E. Pohl. 1,951,579; Mar. 20.
- Heat accumulator. G. Szikla, P. Merse, and P. von Vago. 1,969,282; Aug. 7.
- Heat and means therefor, Storing and using. J. J. Grebe. 1,959,286; May 15.
- Heat balancing system. C. E. Schutt. 1,969,187; Aug. 7.
- Heat carrier for high temperatures. K. Gensch. 1,984,369; Dec. 18.
- Heat, cold, and pressure to the body, Apparatus for applying. C. C. Curtis. 1,984,520; Dec. 18.
- Heat conserver. W. D. Johnston. 1,953,302; Apr. 3.
- Heat conserving system for locomotive terminals. J. E. Hawe and L. G. Plant. 1,950,610; Mar. 13.
- Heat control apparatus for creameries, Moisture cup. A. F. Cline. 1,949,355; Feb. 27.
- Heat control device. E. L. Fonseca. 1,949,250; Feb. 27.
- Heat control for carburetors, Automatic. D. Firth. 1,975,093; Oct. 2.
- Heat control for manifolds. O. C. Berry. 1,944,306; Jan. 23.
- Heat control means for forehearths. W. T. Honiss. 1,953,407; Apr. 3.
- Heat control method and apparatus. H. A. Drefflein. 1,978,701; Oct. 30.
- Heat control system. J. L. Shroyer. 1,954,147; Apr. 10.
- Heat control systems for furnaces and the like. W. A. Moorshead. 1,960,162; May 22.
- Heat control unit. R. P. Dewey. 1,966,336; July 10.
- Heat convection meter. W. J. King. 1,977,340; Oct. 16.
- Heat cycle. R. C. Roe. 1,961,785; June 5.
- Heat cycle, Regenerative. R. C. Roe. 1,961,784; June 5.
- Heat economizer. C. E. Ridgway. 1,960,510; May 29.
- Heat energy, Distribution of. L. Musil. 1,972,571; Sept. 4.
- Heat energy, Transforming. E. Goenemann. 1,983,745; Dec. 4.
- Heat exchange. H. S. Colby and P. H. Karlsson. 1,970,534; Aug. 14.
- Heat exchange apparatus. P. F. Bruins. 1,962,803; June 12.
- Heat exchange apparatus. L. B. M. Buchanan. 1,967,019; July 17.
- Heat exchange apparatus. B. M. Carter. 1,943,855; Jan. 16.
- Heat exchange apparatus. K. Fehrmann. 1,961,660; June 5.
- Heat exchange apparatus. C. H. Leach. 1,979,751; Nov. 6.
- Heat exchange apparatus. C. H. Leach. 1,980,626-7; Nov. 13.
- Heat exchange apparatus. N. B. Leo. 1,960,849; May 29.
- Heat exchange apparatus. J. F. Metten. 1,967,961; July 24.
- Heat exchange apparatus. E. F. Miller. 1,955,433; Apr. 17.
- Heat exchange apparatus. C. Mortensen. 1,943,484; Jan. 16.
- Heat exchange apparatus. J. A. Potter. 1,943,456; Jan. 16.
- Heat exchange apparatus. J. A. Potter. 1,947,109; Feb. 13.
- Heat exchange apparatus. J. A. Potter and J. P. Rathbun. 1,967,781; July 24.
- Heat exchange apparatus. A. Ziska. 1,959,120; May 15.
- Heat exchange, Apparatus for. F. R. Kemmer. 1,965,080; July 3.
- Heat exchange between two currents of gas, Process and apparatus for. E. Altenkirch. 1,951,336; Mar. 20.
- Heat exchange device. J. J. Hoppes. 1,957,779; May 8.
- Heat exchange device. D. W. Lake. 1,981,424; Nov. 20.
- Heat exchange device. L. Ruthenburg, J. R. Replogle, and H. R. McPhail. 1,943,557; Jan. 16.
- Heat exchange device. P. F. Sperry. 1,981,395; Nov. 20.
- Heat exchange device. A. L. Stamsvik. 1,969,766; Aug. 14.
- Heat exchange device, Tubular. H. Feldmeier. 1,978,897; Oct. 30.
- Heat exchange installation. H. S. Colby and P. H. Karlsson. 1,970,127; Aug. 14.
- Heat exchange medium. P. H. Elliott and W. E. White. 1,981,849; Nov. 27.
- Heat exchange plate. A. F. Masury. 1,977,731; Oct. 23.
- Heat exchange plate, Hollow. E. Gofferje. 1,962,954; June 12.
- Heat exchange processes, Apparatus for carrying out. G. Bojner. 1,979,602; Nov. 6.
- Heat exchanger. S. Brown. 1,960,770; May 29.
- Heat exchanger. T. W. Carraway and B. G. Littlepage. 1,945,394; Jan. 30.
- Heat exchanger. R. C. Engelman. 1,972,706; Sept. 4.
- Heat exchanger. G. T. Jockoos, J. L. Krieg, and S. J. Chute. 1,969,135; Aug. 7.
- Heat exchanger. R. C. Jones. 1,951,420; Mar. 20.
- Heat exchanger. A. T. Light. 1,949,127; Feb. 27.
- Heat exchanger. O. D. Lucas and E. J. Lush. 1,963,857; June 19.
- Heat exchanger. J. Naab. 1,967,837; July 24.
- Heat exchanger. E. M. O'Donnell. 1,947,098; Feb. 13.
- Heat exchanger. J. O. Olson. 1,966,559; July 17.
- Heat exchanger. J. Price. 1,946,234; Feb. 6.
- Heat exchanger. J. Price. 1,953,500; Apr. 3.
- Heat exchanger. J. Price. 1,955,015; Apr. 17.
- Heat exchanger. J. Price. 1,962,909; June 12.
- Heat exchanger. A. Schack. 1,961,792; June 5.
- Heat exchanger. A. Schack. 1,974,876; Sept. 25.
- Heat exchanger. J. O. Templeton. 1,974,402; Sept. 18.
- Heat exchanger. F. Totzek. 1,961,258; June 5.
- Heat exchanger. R. W. Tryon and J. O. F. Helle. 1,955,261; Apr. 17.
- Heat exchanger. C. P. Wadley. 1,960,325; May 29.
- Heat exchanger and making the same. F. A. Whiteley. 1,975,889; Oct. 9.
- Heat exchanger construction. L. I. Blennerhassett. 1,962,170; June 12.
- Heat exchanger, High pressure high temperature. H. W. How. 1,954,356; Apr. 10.
- Heat exchanger, Indirect. R. H. Stone and E. F. Tilley. 1,941,587; Jan. 2.
- Heat exchanger, Plural unit. W. W. Carson, Jr. 1,979,732; Nov. 6.
- Heat exchanger protecting device. N. M. Small. 1,952,780; Mar. 27.
- Heat exchanger, Single pass. C. S. Reed. 1,942,878; Jan. 9.
- Heat exchanger, Two pass. C. S. Reed. 1,962,362; June 12.
- Heat exchanging, Apparatus for. G. T. Mott. 1,961,997; June 5.
- Heat exchanging device. P. Maniscalco. 1,979,975; Nov. 6.
- Heat from light, Apparatus for intercepting. R. M. Fraps. 1,974,739; Sept. 25.
- Heat generating unit. E. Johnson. 1,945,902; Feb. 6.
- Heat guard. N. H. Watts. 1,961,805; June 5.
- Heat in ammonia oxidation-nitric acid pressure processes, Utilization of. T. Hobler. 1,954,317; Apr. 10.
- Heat in brake drums, Dissipation of frictional. A. F. Colgren. 1,956,855; May 1.
- Heat in water gas operations, Recovery of waste. F. W. Steere. 1,967,013; July 17.
- Heat insulated receptacle. H. M. Badger. 1,970,120; Aug. 14.
- Heat insulating and sound deadening material. W. L. Steffens. 1,974,519; Sept. 25.
- Heat insulating material. C. H. Schuttler. 1,969,156; Aug. 7.
- Heat insulating material and making the same. F. B. Hobart. 1,944,008; Jan. 16.
- Heat insulating material and manufacturing same. H. R. Minor. 1,964,740; July 3.

- Heat insulating material, Fabricating. C. S. Smallish. 1,964,964; July 3.
- Heat insulating product. G. M. Thomson. 1,942,989; Jan. 9.
- Heat insulating structure. J. B. Barnitt and R. B. Derr. 1,952,784; Mar. 27.
- Heat insulating structure. J. L. Finck. 1,967,611; July 24.
- Heat insulation. C. H. Campbell. 1,942,162; Jan. 2.
- Heat insulation. C. G. Munters. 1,969,621; Aug. 7.
- Heat interchange, Apparatus for. H. Holzwarth. 1,959,862; May 22.
- Heat interchanger. J. G. Kaestner. 1,945,402; Jan. 30.
- Heat interchanger. R. Sadwith. 1,974,834; Sept. 25.
- Heat interchanger for heating and cooling of fluids. C. W. Stancliffe. 1,961,533; June 5.
- Heat measuring apparatus. A. E. Young. 1,944,587; Jan. 23.
- Heat motor. C. L. Johnson. 1,948,234; Feb. 20.
- Heat motor. R. M. Schultz. 1,983,314; Dec. 4.
- Heat producing composition and chemically generating heat. R. E. Reed. 1,978,388; Oct. 23.
- Heat pump cycle and operating same. G. Wilkes. 1,975,704; Oct. 2.
- Heat pump temperature regulating unit. G. Wilkes. 1,972,811; Sept. 4.
- Heat radiating unit. W. C. Carr. 1,983,437; Dec. 4.
- Heat reclaiming. F. J. Lynch. 1,978,639; Oct. 30.
- Heat recovery and washing system for sulphite pulp. J. D. Janssen. 1,978,749; Oct. 30.
- Heat recovery apparatus, Waste. A. W. Waern and L. F. Bunde. 1,971,358; Aug. 28.
- Heat regulating device. G. D. Kingsland. Re19,091; Feb. 20.
- Heat regulating element, Electric. L. Ludwig. 1,952,445; Mar. 27.
- Heat regulating method and apparatus. H. A. Drefflein. 1,974,413; Sept. 25.
- Heat regulating system. O. H. Dicke. 1,945,804; Feb. 6.
- Heat regulation for buildings, Method of and apparatus for. A. J. Lewis. 1,976,619; Oct. 9.
- Heat regulator device and method. O. J. Leins. 1,950,499; Mar. 13.
- Heat regulator for heat exchange systems. R. E. Olson. 1,977,738; Oct. 23.
- Heat regulator for ovens and the like. W. W. Sackett. 1,959,877; May 22.
- Heat regulator, Furnace. P. C. and W. P. Timm. Re19,352; Oct. 23.
- Heat regulator, Thermohydraulic. M. S. Wenzel. 1,976,313; Oct. 9.
- Heat regulator, Thermostatic. A. E. Doman, K. H. Bowen, and F. H. Gleason. 1,943,656; Jan. 16.
- Heat resisting seat for dampers. R. J. Williams. 1,962,336; June 12.
- Heat responsive link. W. L. Belknap. 1,953,582; Apr. 3.
- Heat responsive valve. W. L. Belknap. 1,949,776; Mar. 6.
- Heat retainer for food service. A. G. Montgomery. 1,956,395; Apr. 24.
- Heat sealing package. F. R. Schmitt. 1,945,086; Jan. 30.
- Heat transfer. T. Midgley, jr., A. L. Henne, and R. R. McNary. Re19,265; Aug. 7.
- Heat transfer and refrigeration. T. Midgley, jr., A. L. Henne, and R. R. McNary. 1,968,049-50; July 31.
- Heat transfer apparatus. C. E. Lucke. 1,959,377; May 22.
- Heat transfer apparatus. J. E. MacAdams. 1,958,899; May 15.
- Heat transfer apparatus. D. R. McNeal. 1,982,010; Nov. 27.
- Heat transfer apparatus for semisolid products. A. Johnson. 1,949,374; Feb. 27.
- Heat transfer device. F. M. Young. 1,971,842; Aug. 28.
- Heat transfer device. F. M. and L. M. Young. 1,976,102; Oct. 9.
- Heat transfer facilities in ice-cream freezers. J. J. Corn and R. E. Hyatt. 1,956,613; May 1.
- Heat transfer structure. J. H. Shafner. 1,958,403; May 8.
- Heat transfer tube. F. X. Govers. 1,958,364; May 8.
- Heat transfer with viscous liquids. M. M. Durkee. 1,961,744; June 5.
- Heat transferring device. L. M. Young. 1,951,958; Mar. 20.
- Heat-treating apparatus. A. N. Lindberg. 1,983,551; Dec. 11.
- Heat treating articles. C. L. Stevens. 1,953,445; Apr. 3.
- Heat treating furnace. W. E. Blythe. Re19,205; June 12.
- Heat treating furnace. G. J. Hagan. 1,948,173; Feb. 20.
- Heat treating furnace. A. L. Stevens. 1,973,934; Sept. 18.
- Heat treating method. E. F. Northrup. 1,946,876; Feb. 13.
- Heat treating, Method and apparatus for. F. T. Cope. 1,960,808; May 29.
- Heat-treating, Method of and apparatus for. J. W. Harsch. 1,949,716; Mar. 6.
- Heat treating pigments and product thereof. C. C. Feagley. 1,977,577; Oct. 16.
- Heat treating substances, Apparatus for. F. D. Chapman. 1,952,418; Mar. 27.
- Heat treatment. W. S. Bowling. 1,979,820; Nov. 6.
- Heat treatment chamber. W. A. Morton and P. L. Geer. 1,979,216; Oct. 30.
- Heat treatment, Method of and furnace for. S. M. Berolzheimer and S. L. Gamble. 1,957,932; May 8.
- Heat treatment of aluminum-magnesium alloys. E. H. Dix, jr., and L. W. Kempf. 1,945,737; Feb. 6.
- Heat treatment of cables. K. O. Helgeby. 1,942,550; Jan. 9.
- Heat treatment of copper-beryllium alloys. G. Masing and O. Dahl. 1,975,113; Oct. 2.
- Heat treatment of diatomaceous earth. M. Stockton. 1,985,526; Dec. 25.
- Heat treatment of light. J. M. Michel. 1,953,003; Mar. 27.
- Heat treatment of light alloys. L. Pessel. 1,946,545; Feb. 13.
- Heat treatment of liquids. F. W. Steere. 1,942,191; Jan. 2.
- Heat treatment of magnetic parts. A. A. Meyer. 1,955,141; Apr. 17.
- Heat treatment of manganese hard steel objects. H. Resow. 1,968,960; Aug. 7.
- Heat treatment of petroleum oil vapor and other hydrocarbonaceous starting material. I. W. Henry. 1,983,027; Dec. 4.
- Heat treatment of steel. E. Ivins and H. S. Kircher. 1,978,265; Oct. 23.
- Heat treatment under pressure of high boiling hydrocarbons. W. Rittmeister. 1,963,717; June 19.
- Heat within a steam power system, Conservation of. J. McCallum and H. P. H. Anderson. 1,982,060; Nov. 27.
- Heater: See—
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| Air heater. | Limb heater. |
| Automobile heater. | Liquid heater. |
| Beverage-water heater. | Metal heater. |
| Car heater. | Oil burning heater. |
| Carburetor heater. | Oil heater. |
| Electric car heater. | Orchard heater. |
| Electric fluid heater. | Percolator heater. |
| Electric heater. | Portable heater. |
| Electric liquid heater. | Radiant heater. |
| Electric water heater. | Roller heater. |
| Electrical air heater. | Solar heater. |
| Electrical heater. | Solid fuel heater. |
| Electrode liquid heater. | Steam heater. |
| Engine exhaust heater. | Surface heater. |
| Engine fuel heater. | Switch heater. |
| Fan heater. | Tank heater. |
| Feed water heater. | Thermostatically controlled heater. |
| Fluid heater. | Tubular heater. |
| Fuel burning heater. | Unit heater. |
| Gas heater. | Vehicle heater. |
| Hair waving heater. | Water heater. |
| Hot water heater. | Windshield heater. |
| Ice tray heater. | |
- Heater. M. Arnold. Des. 93,755; Nov. 6.
- Heater. J. M. Aufero. 1,945,252; Jan. 30.
- Heater. G. L. Bridge. 1,975,921; Oct. 9.
- Heater. V. H. Cope. Des. 94,117; Dec. 25.
- Heater. I. Elliott. 1,977,672; Oct. 23.
- Heater. F. A. Fahrenwald. 1,964,256; June 26.
- Heater. C. S. Franke. 1,943,596; Jan. 16.
- Heater. I. Gil. Des. 92,801; July 17.
- Heater. R. Hoffman. Des. 93,657; Oct. 23.
- Heater. B. B. Kahn. Des. 91,715; Mar. 13.
- Heater. B. B. Kahn. Des. 92,605; June 26.
- Heater. D. W. Lake. 1,943,612; Jan. 16.
- Heater. J. H. Long. 1,946,407; Feb. 6.
- Heater. J. H. Long. 1,961,423; June 5.
- Heater. J. H. Long. 1,973,642; Sept. 11.
- Heater. B. E. MacDougall. 1,958,007; May 8.
- Heater. J. H. McNary. 1,958,761; May 15.
- Heater. J. H. Newport. 1,952,456; Mar. 27.
- Heater. H. V. Payne. Des. 93,181; Aug. 28.
- Heater. M. A. Replogle. 1,951,580; Mar. 20.
- Heater. W. L. Sharpe. Des. 93,294; Sept. 11.
- Heater. J. L. Shroyer. 1,959,935; May 22.
- Heater. S. F. Zuck. Des. 92,124; Apr. 24.
- Heater. J. Zylstra. 1,951,855; Mar. 20.
- Heater and circulator, Fresh air. H. E. Smith. 1,984,949; Dec. 18.
- Heater and control mechanism therefor, Unit. R. H. Nelson. 1,982,686; Dec. 4.
- Heater and control therefor, Electric metal. K. C. Monroe. 1,959,684; May 22.
- Heater and cook stove, Combined oil burning. W. T. Bradbury. Des. 91,313; Jan. 9.
- Heater and cooler for liquids, Combined. L. J. Maringer. 1,954,883; Apr. 17.
- Heater and fireplace, Combined. E. A. Allbert. 1,944,626; Jan. 23.
- Heater and gas or electric range, Combination. A. F. Schieffer. 1,955,149; Apr. 17.
- Heater and incinerator, Combined fluid fuel. W. W. Williams. 1,968,581; July 31.
- Heater and motor cooler, Automobile. H. Jaffe. 1,968,522; July 31.
- Heater and operating same, Fluid. C. W. Gordon. 1,959,100; May 15.
- Heater and thermostat, Electric. R. U. Staley. 1,977,156; Oct. 16.
- Heater and thermostatic control therefor, Electric. E. C. Fichtner. Re19,175; May 22.
- Heater and vaporizer, Liquid. F. H. Daniels. 1,954,471; Apr. 10.
- Heater and ventilator control system, Unit. W. Ewald. 1,948,494; Feb. 27.
- Heater and ventilator, Unit. E. L. Anderson. 1,950,768; Mar. 13.

- Heater attachment for automobile headlamps and the like. J. D. Dempsey. 1,951,902; Mar. 20.
- Heater attachment for fans. W. E. Gundelfinger. 1,982,382; Nov. 27.
- Heater casing. E. A. Jones. 1,942,103; Jan. 2.
- Heater casing or similar article, Motor vehicle. F. Acton. Des. 93,435; Oct. 2.
- Heater-cathode leakage in a radio tube, Preventing. M. N. Fredenburgh. 1,980,675; Nov. 13.
- Heater circuit and switch. G. R. Barksdale. 1,960,179; May 22.
- Heater device. S. J. Roth. 1,961,643; June 5.
- Heater economizer, Fluid. G. G. Tryon. 1,943,750; Jan. 16.
- Heater for automobiles. E. L. Sutter. 1,977,809; Oct. 23.
- Heater for automobiles, Garage. W. J. Handley. 1,959,625; May 22.
- Heater for automobiles, Manifold air. J. H. Lonskey. 1,968,214; July 31.
- Heater for brooders, Auxiliary. P. S. Martin. 1,974,116; Sept. 18.
- Heater for electric fans. H. Schlesinger. 1,951,675; Mar. 20.
- Heater for indirectly heated cathodes. A. H. Young. 1,942,080; Jan. 2.
- Heater for motor vehicles. R. B. Otwell. 1,975,863; Oct. 9.
- Heater for motor vehicles. R. B. Otwell. 1,976,086; Oct. 9.
- Heater for motor vehicles, Forced draft exhaust. C. A. Schmidt. 1,955,096; Apr. 17.
- Heater for oil burners, Water. E. N. St. John. 1,975,298; Oct. 2.
- Heater for permanently waving hair. J. W. Cox. 1,941,600; Jan. 2.
- Heater for pulverizers, Air. J. H. Sengstaken. 1,955,255; Apr. 17.
- Heater for steam generating system. E. Hunkele. 1,959,788; May 22.
- Heater for use in the permanent waving of the hair. F. Kerka. 1,972,193; Sept. 4.
- Heater of the injector type, Feed water. H. E. and J. N. Gresham. 1,944,080; Jan. 16.
- Heater or article of analogous nature, Space. E. Esson. Des. 92,707; July 10.
- Heater or steam boiler, Water. F. W. Ofeldt. 1,970,971; Aug. 21.
- Heater plug. A. F. Fukal. Des. 91,814; Mar. 27.
- Heater roll setting and adjustment. M. A. Mills. 1,962,402; June 12.
- Heater system. W. G. Noack. 1,948,541; Feb. 27.
- Heating a container electrically. C. A. Ross. 1,945,705; Feb. 6.
- Heating and cooling apparatus. I. T. Bennett and F. C. Reynolds. 1,971,173; Aug. 21.
- Heating and cooling at high temperatures, Apparatus for. C. Field. 1,966,441; July 17.
- Heating and cooling system. I. T. Bennett and F. C. Reynolds. 1,985,009; Dec. 18.
- Heating and cooling system, Reversing-cycle. C. Kerr, Jr., and J. K. Stotz. 1,942,295; Jan. 2.
- Heating and irrigating system, Combined. C. M. Boland. 1,967,803; July 24.
- Heating and ventilating means for motor cars. C. R. Mueller. 1,976,959; Oct. 16.
- Heating and ventilating system. M. G. Beard. 1,943,233; Jan. 9.
- Heating and ventilating system, Automobile. B. J. Mears. 1,961,639; June 5.
- Heating apparatus. P. G. Brandt. 1,945,418; Jan. 30.
- Heating apparatus. L. S. Chadwick, M. Resek, and C. J. Kessler. 1,944,593; Jan. 23.
- Heating apparatus. J. R. Farbridge. 1,951,971; Mar. 20.
- Heating apparatus. W. W. Kemp. 1,974,392; Sept. 18.
- Heating apparatus. D. D. Kimball and V. J. Cucchi. 1,942,432; Jan. 9.
- Heating apparatus. G. W. Lutz. 1,943,223; Jan. 9.
- Heating apparatus. E. F. Northrup. 1,977,399; Oct. 16.
- Heating apparatus. E. F. Northrup. 1,981,632; Nov. 20.
- Heating apparatus. C. A. Pfahl. 1,970,766; Aug. 21.
- Heating apparatus. W. Pfeiffer. 1,981,190; Nov. 20.
- Heating apparatus. H. I. Piatt. 1,943,622; Jan. 16.
- Heating apparatus. C. R. Pieper. 1,968,351; July 31.
- Heating apparatus and system, Automobile. L. L. Streindler. 1,943,350; Jan. 16.
- Heating apparatus, Combined furnace and domestic hot water. D. Eisinga. 1,983,843; Dec. 11.
- Heating apparatus for automotive vehicles. V. J. Butlerfield. 1,941,825; Jan. 2.
- Heating, Apparatus for catalytic. F. A. Howard. 1,948,298; Feb. 20.
- Heating apparatus for griddles. H. R. Brand. 1,984,782; Dec. 18.
- Heating apparatus for indirectly heating high temperature drying plants and the like. P. Gilli. 1,968,486; July 31.
- Heating apparatus for internal combustion engines. W. C. Carter. 1,945,178; Jan. 30.
- Heating apparatus, Gas, air, or liquid. J. G. Clark, C. A. Masterman, and T. G. Noble. 1,965,278; July 3.
- Heating appliance. A. H. Heyroth and E. W. Bratton. 1,954,128; Apr. 10.
- Heating appliance, Electric. F. E. Bateman. 1,964,396; June 26.
- Heating arm, Internal. A. W. Gay. 1,978,156; Oct. 23.
- Heating arrangement, especially for baking ovens and for producing steam, Combined. P. Henckell. 1,962,016; June 5.
- Heating, Building. A. F. Bemis. 1,984,781; Dec. 18.
- Heating by induction and furnace therefor. V. Sorrel and L. A. Lafont. 1,975,436; Oct. 2.
- Heating, Central. F. Springuel. 1,965,727; July 10.
- Heating, cooling and ventilating, Method and apparatus for. C. W. Chamberlain. 1,965,733; July 10.
- Heating device. J. B. Horton. 1,955,743; Apr. 24.
- Heating device. C. R. Pieper. 1,966,133; July 10.
- Heating device, Catalytic. H. G. Terret. 1,956,749; May 1.
- Heating device for railroad rails and switches. W. Guenst. 1,952,589-90; Mar. 27.
- Heating device for railway switches. E. R. Packer. 1,959,107; May 15.
- Heating device for rotary furnaces. H. Garreau. 1,985,566; Dec. 25.
- Heating device for retreading molds, Inner. W. R. J. Wock. 1,984,909; Dec. 18.
- Heating device for vehicles. O. Schmid and W. Heitzmann. 1,948,772; Feb. 27.
- Heating element assembly. G. R. Blakesley. 1,956,267; Apr. 24.
- Heating element assembly. R. B. Marshall. 1,975,658; Oct. 2.
- Heating element, Electric. A. E. Ellinger. 1,952,426; Mar. 27.
- Heating element for electric cooking and heating apparatus, Electric. L. Egger. 1,980,719; Nov. 13.
- Heating element for electric water heaters. A. J. Stone. 1,953,994; Apr. 10.
- Heating element, Immersion. J. E. Smith. 1,949,086; Feb. 27.
- Heating element, Low voltage. H. S. Brown. 1,949,450; Mar. 6.
- Heating from central station mains, Steam. D. N. Crosthwait, Jr. 1,963,735; June 19.
- Heating furnace. I. Harter. 1,946,971; Feb. 13.
- Heating furnace. A. J. Johnson. Des. 92,002; Apr. 17.
- Heating furnace. G. A. Tuck. 1,977,783; Oct. 23.
- Heating means for coal tipples and the like. H. Adams. 1,955,164; Apr. 17.
- Heating, Method and apparatus for inductive. E. F. Northrup. 1,981,629; Nov. 20.
- Heating, Method for. K. M. Watson and L. A. Mckler. 1,971,925; Aug. 28.
- Heating of bodies, Local. C. A. H. Mulder. 1,984,488; Dec. 18.
- Heating pad. A. S. Knapp. 1,967,674; July 24.
- Heating pad. G. A. Proctor. Des. 91,840; Mar. 27.
- Heating pad construction, Wetproof. A. O. Samuels. 1,950,124; Mar. 6.
- Heating plant, Boiler feed water. C. Loutz. 1,946,221; Feb. 6.
- Heating plant, Steam circulation. A. Miersbe. 1,969,181; Aug. 7.
- Heating process and apparatus. I. Langmuir. 1,947,267; Feb. 13.
- Heating surfaces of the tubular type adapted for use in steam generator, Arrangement of. H. Gleichmann. 1,960,005; May 22.
- Heating system. E. Blanckenburg. 1,977,617; Oct. 23.
- Heating system. H. M. de Rochemont. 1,963,078; June 19.
- Heating system. C. A. Dunham. 1,983,218; Dec. 4.
- Heating system. W. B. Mangold and A. A. Rusteberg. 1,971,269; Aug. 21.
- Heating system. C. R. Meek. 1,957,843; May 8.
- Heating system. W. G. Noack. 1,948,535-6; Feb. 27.
- Heating system. P. R. Owens. 1,962,999; June 12.
- Heating system. S. J. Perry. 1,942,831; Jan. 9.
- Heating system. F. Schimmel. 1,957,616; May 8.
- Heating system. G. C. Smith. 1,980,299; Nov. 13.
- Heating system. J. H. Van Zandt. 1,951,588; Mar. 20.
- Heating system and heater, Automobile. W. F. La Mayeau, J. W. Farmer, and H. M. Smith. 1,984,935; Dec. 18.
- Heating system, Automatic electric hot water. E. H. du Chemin. 1,945,139; Jan. 30.
- Heating system, Combination vapor. W. B. Jones. 1,968,835; Aug. 7.
- Heating system device. C. J. Schlafman. 1,952,823; Mar. 27.
- Heating system for metal building. M. G. Clark. 1,974,767; Sept. 25.
- Heating system for vehicles. N. L. Derby. 1,971,135; Aug. 21.
- Heating system, Forced circulation. J. P. Kriechbaum. 1,951,663; Mar. 20.
- Heating system, Hot air. C. M. Shaffer. 1,966,360; July 10.
- Heating system, Hot water. F. C. Frederick. 1,973,842; Sept. 18.
- Heating system, Motor vehicle. H. S. Colby. 1,943,108; Jan. 9.
- Heating system returns, Method of and apparatus for handling. J. B. Fowler, G. H. Gibson, and V. A. Rohlin. 1,966,791; July 17.
- Heating system, Steam. V. Eaton. 1,946,676; Feb. 13.
- Heating system, Vacuum vapor. W. B. Jones. 1,968,834; Aug. 7.
- Heating the contents of the bottom cup of a gas holder, Apparatus for. K. Jagschitz. 1,959,534; May 22.

- Heating unit. H. J. Monson and T. Maynz. 1,962,694; June 12.
- Heating unit, Electric. C. C. Abbott. 1,959,776; May 22.
- Heating unit, Electric. W. D. Kelly. 1,960,221; May 22.
- Heating unit, Steam and electric. E. A. Russell and D. W. Miller. 1,946,547; Feb. 13.
- Heating, ventilating, and air conditioning apparatus. W. Ewald and J. McElgin. 1,972,766; Sept. 4.
- Heating with water. B. F. Randel. 1,975,617; Oct. 2.
- Heavy-oil engine. F. Oberhaensli. 1,954,644; Apr. 10.
- Hectograph machine. J. K. Duncan. 1,967,873; July 24.
- Hectograph machine. R. Weide. 1,967,694; July 24.
- Heddle. C. W. Geier. 1,972,296; Sept. 4.
- Heddle bar securing device. H. O. Coddington. 1,964,843; July 3.
- Heddle bar support. P. L. Spencer. 1,971,084; Aug. 21.
- Heddle, Sectional twine. I. Andrews. 1,977,841; Oct. 23.
- Heel. N. K. Kean. Des. 93,479; Oct. 2.
- Heel. E. Miller and G. C. Wendt. 1,952,330; Mar. 27.
- Heel. J. A. Pinaud. 1,977,695; Oct. 23.
- Heel. W. J. Schacht. Des. 94,697; Dec. 18.
- Heel. A. P. J. Watkin and G. J. Winter. 1,980,122; Nov. 6.
- Heel, Air chamber rubber shoe. G. W. Griffith. 1,951,975; Mar. 20.
- Heel and making the same. L. J. Bazzoni. 1,943,412; Jan. 16.
- Heel and making the same. F. C. Lovejoy. 1,968,047; July 31.
- Heel and reenforcing and nail retaining member therefor. Rubber. L. E. Wilt. 1,980,127; Nov. 6.
- Heel attaching machine. J. F. Hardy. 1,971,344; Aug. 28.
- Heel-attaching machine. F. L. MacKenzie. 1,970,097; Aug. 14.
- Heel attaching machine, Wood. A. J. Brauer and F. P. Wagner. 1,966,483; July 17.
- Heel brace. H. J. Hagan. 1,943,476; Jan. 16.
- Heel cap, Detachable. J. W. Rhodes. 1,977,777; Oct. 23.
- Heel-concealing machine. J. W. Staples and W. C. Brooks. 1,984,900; Dec. 18.
- Heel cover trimming machine. C. G. Brostrom. 1,946,480; Feb. 13.
- Heel cushion. R. H. Johnson. 1,945,780; Feb. 6.
- Heel, Detachable shoe. W. J. Collins. 1,970,689; Aug. 21.
- Heel end of a sole, Process and apparatus for preparing the. A. J. Brauer and F. P. Wagner. 1,981,899; Nov. 27.
- Heel finishing machine. H. B. Greenough. 1,943,308; Jan. 16.
- Heel finishing tool. H. B. Greenough. 1,976,016; Oct. 9.
- Heel for split work stockings. H. McAdams. 1,953,246; Apr. 3.
- Heel guard. G. L. Charles. 1,945,420; Jan. 30.
- Heel lift and attaching means therefor, Reenforced. B. Gllowitz. 1,946,737; Feb. 13.
- Heel lift for shoes, Detachable. S. Amantea. 1,963,641; June 19.
- Heel lift machine. C. A. Olsen. 1,945,864; Feb. 6.
- Heel or similar article, Shoe. J. J. Rooney. Des. 92,771; July 10.
- Heel plate. H. E. Muench. 1,981,148; Nov. 20.
- Heel plate. L. Weinstein. 1,957,563; May 8.
- Heel protector and grip. E. Lesch. 1,966,179; July 10.
- Heel, Rubber. A. A. Esterson. Des. 92,528; June 19.
- Heel, Rubber. C. H. Ingwer. 1,973,077; Sept. 11.
- Heel seat cushioning attachment and supplying the same. G. H. Gillis. 1,966,293; July 10.
- Heel seat fitting machine. F. Barton. 1,980,369; Nov. 13.
- Heel-seat fitting machine. E. A. Bessom. 1,980,371; Nov. 13.
- Heel-seat fitting machine. G. Hazelton. 1,979,386; Nov. 6.
- Heel-seat-fitting machine. A. Moskowitz. 1,963,209; June 19.
- Heel seat of a shoe, Process and apparatus for forming the. A. J. Brauer and F. P. Wagner. 1,947,245; Feb. 13.
- Heel, Shoe. A. Branca. 1,985,651; Dec. 25.
- Heel, Shoe. M. S. Klein. Des. 92,177; May 8.
- Heel, Shoe. W. H. Nutt. Des. 94,046; Dec. 11.
- Heel, Shoe. J. F. Pollard and E. Trask. 1,964,767; July 3.
- Heel, Shoe. S. M. Tutoky. 1,942,312; Jan. 2.
- Heel slotting machine. L. J. Bazzoni. 1,976,764; Oct. 16.
- Heel slotting machine. L. J. Bazzoni and H. D. Elliott. 1,976,763; Oct. 16.
- Heel spooling machine, Wood. L. J. Bazzoni. 1,951,468; Mar. 20.
- Heel spraying machine, Automatic. P. L. Jones. 1,954,210; Apr. 10.
- Heel stamping machine. N. W. Howard. 1,961,219; June 5.
- Heel tap, Exchangeable. F. Hassel. 1,980,271; Nov. 13.
- Heeltap, Removable. F. Hassel. 1,972,223; Sept. 4.
- Heel trimming machine. E. B. Carter. 1,984,917; Dec. 18.
- Heels, Attaching top pieces to. R. Bain. 1,949,346; Feb. 27.
- Heels, Making cored. H. L. Strongson. 1,946,770; Feb. 13.
- Heels, Manufacture of rubber. W. Fischer. 1,948,344; Feb. 20.
- Heels to lasted shoes, Attaching. W. A. Thum. 1,947,666; Feb. 20.
- Heels to shoes, Apparatus for attaching. W. A. Thum. Re19,297; Aug. 28.
- Height measuring rod for scales. W. H. Taylor. 1,985,527; Dec. 25.
- Height of a gas holder while in service, Increasing the. F. Schürmann. 1,947,279; Feb. 13.
- Height of aircraft, particularly for use when the aircraft is landing, Indicating the. D. F. Lucking. 1,949,166; Feb. 27.
- Helical gear. R. B. Fehr. 1,959,910; May 22.
- Helicoptone and allied aircraft. J. J. Leray. 1,957,277; May 1.
- Helicopter. M. L. Darr. 1,946,614; Feb. 13.
- Helicopter. C. d'Ascanio. 1,960,141; May 22.
- Helicopter. F. R. White. 1,981,442; Nov. 20.
- Helicopter or wingless air vehicle. A. J. Ellison. 1,949,995; Mar. 6.
- Heliostat, Self-regulating. J. M. Arthuys and A. Bayle. 1,976,428; Oct. 9.
- Helmet, Hair drying. C. E. Blomquist. 1,943,579; Jan. 16.
- Helmet or cap, Cellophane. L. C. McComb. 1,968,697; July 31.
- Helmet, Protective. D. A. Fortunato. 1,978,994; Oct. 30.
- Helmet, Reversible. H. W. Lucke and C. H. Davis. 1,947,786; Feb. 20.
- Hemstitching and sewing machine attachments for producing the same, Intermediate course. V. J. Sigoda. 1,980,705; Nov. 13.
- Hemmer. C. W. Mueller. 1,943,801; Jan. 16.
- Hemmer. C. W. Mueller. 1,971,118; Aug. 21.
- Hematite, Floating. A. M. Gaudin. 1,979,324; Nov. 6.
- Hemoglobinometer. M. White. 1,978,096; Oct. 23.
- Hermetically sealed container. E. M. Nolan. 1,970,970; Aug. 21.
- Heterodyne, Constant frequency difference. W. van B. Roberts. 1,949,843; Mar. 6.
- Heterodyne receiving system. W. Runge. 1,947,229; Feb. 13.
- Heterodyne system. R. Aubert. 1,978,446; Oct. 30.
- Hide preservation. V. Conquest. 1,961,740; June 5.
- Hides and skins, Curing. O. R. Canter. 1,969,922; Aug. 14.
- Hides and skins, Tanning. K. E. Bell and M. C. McDonald. 1,977,226; Oct. 16.
- Hides and skins, Tanning. M. M. Merritt. 1,953,968; Apr. 10.
- Hides and skins, Tanning. M. M. Merritt. 1,971,496; Aug. 28.
- Hides and skins, Treating. M. M. Merritt and N. H. Poor. 1,961,377; June 5.
- Hides, Depilating. L. Wallerstein and J. Pfannmuller. 1,985,267; Dec. 25.
- Hides, Drenching. H. Kögl. 1,985,661; Dec. 25.
- Hides or skins for tanning, Preparation of. R. Biedermann. 1,974,889; Sept. 25.
- Hides or skins, Unhairing. H. G. Turley and W. Mindus. 1,973,130; Sept. 11.
- Hides, Setting. J. D. Quick and G. F. Mack. 1,983,001; Dec. 4.
- Hides, skins, and pelts, Treatment of. H. Muench, H. Loewe, and L. Birch-Hirshfeld. 1,967,679; July 24.
- Hides, skins, leather or the like, Treating. K. Brodersen and H. Wagner. 1,949,990; Mar. 6.
- Hides, Tanning. M. Bergmann. 1,970,271; Aug. 14.
- Hides, Tanning animal. J. Schäfer. 1,972,797-8; Sept. 4.
- Hides, Treating. H. C. Reed. 1,957,020; May 1.
- High chair. E. A. Lehman. 1,983,138; Dec. 4.
- High frequency amplification for very short waves. H. Lux. 1,958,971; May 15.
- High frequency apparatus. F. C. Wappler. 1,962,796; June 12.
- High frequency converter arrangement. W. A. Harris. 1,970,961; Aug. 21.
- High frequency feeder and the like for use with radio aerial systems. C. S. Franklin. 1,958,991; May 15.
- High frequency generator. C. W. Rice. 1,969,578; Aug. 7.
- High frequency generator, Modulated. W. W. Muir. 1,967,253; July 24.
- High frequency method of and apparatus for exterminating insect life in seed or grain or other materials. J. H. Davis. 1,972,050; Aug. 28.
- High limit control, Proportioning. W. H. Gille. 1,973,620; Sept. 11.
- High-percentage per compounds, Manufacture of. J. Müller. 1,950,320; Mar. 6.
- High potential lead-in. K. Bahrman. 1,972,178; Sept. 4.
- High pressure reducing valve. W. H. Gleeson. 1,944,424; Jan. 23.
- High pressure separator. W. G. McMurray. 1,959,440; May 22.
- High speed double-rotor motor. P. Böttcher. 1,983,896; Dec. 11.
- High temperature bonding apparatus. F. M. Young. 1,947,689; Feb. 20.
- High tension apparatus. L. B. Ehrlich and W. G. Schneider. 1,977,122; Oct. 16.
- High tension cable. L. Emanuelli. 1,957,995; May 8.
- High-tension switch. C. G. Kopitz. 1,949,018-19; Feb. 27.
- High tension switch. A. Kuntke. 1,946,324; Feb. 6.
- High tension switch, Two insulator. E. E. Anderson. 1,943,576; Jan. 16.
- High-voltage switch. H. J. Crabbs. 1,976,006; Oct. 9.
- Highly refractory products, Manufacture of. E. Ryschkewitsch. 1,969,099; Aug. 7.
- Highway crossing protection apparatus. H. A. Wallace. 1,960,467; May 29.

- Highway crossing signal. A. W. Fisher. Des. 92,096; Aug. 21.
- Highway path indicator. J. B. Strauss. 1,981,206; Nov. 20.
- Highway signal. J. C. Stimson. 1,955,105; Apr. 17.
- Highway traffic signal. W. C. Nein and T. W. Varley. 1,950,741; Mar. 13.
- Hill dropping attachment for planters. C. A. Steele. 1,958,868; May 15.
- Hinge: See—
- Adjustable hinge. Door hinge.
- Awning arm hinge. Friction hinge.
- Ball-bearing hinge. Gravity hinge.
- Closet seat hinge. Stove door hinge.
- Concealed hinge.
- Hinge. G. W. Aldeen. 1,974,942; Sept. 25.
- Hinge. J. T. Atwood. 1,950,443; Mar. 13.
- Hinge. J. T. Atwood. 1,950,873-4; Mar. 13.
- Hinge. F. G. Bates. 1,941,529; Jan. 2.
- Hinge. S. Brantingson. Des. 92,335; May 29.
- Hinge. E. L. Case. 1,962,709; June 12.
- Hinge. W. D. Ferris. Des. 92,952; Aug. 7.
- Hinge. J. E. Fuqua. 1,959,664; May 22.
- Hinge. H. G. Kellogg. 1,963,273; June 19.
- Hinge. M. Y. W. Lowe and G. K. Gustavson. 1,955,644; Apr. 17.
- Hinge. P. Madri. Des. 92,099-100; Apr. 24.
- Hinge. J. S. Matthew. 1,970,019; Aug. 14.
- Hinge. J. G. Mitchell. 1,975,430; Oct. 2.
- Hinge. C. G. Nachtrieb. 1,943,691; Jan. 16.
- Hinge. J. Pudliner. Des. 92,625; June 26.
- Hinge. J. Soss. Re19,845; Oct. 16.
- Hinge. E. N. Winslow. 1,944,386; Jan. 23.
- Hinge. W. E. Woodin. 1,969,057; Aug. 7.
- Hinge and endpiece construction. E. Pappert. 1,958,952; May 15.
- Hinge and seal for trunks. G. W. Stallings. 1,942,620; Jan. 9.
- Hinge bearing. O. U. Zerk. 1,959,257; May 15.
- Hinge bracket. A. F. Beck. 1,979,854; Nov. 6.
- Hinge connection for water closet seats and covers. H. C. Leslie. 1,984,192; Dec. 11.
- Hinge construction. H. Rodemeyer. 1,970,196; Aug. 14.
- Hinge construction. Butt. A. G. Lyons. 1,979,894; Nov. 6.
- Hinge for cabinet doors and the like. J. S. Sayre. Des. 92,930-1; July 31.
- Hinge for refrigerators, Concealed. J. Teller and A. P. Schulz. 1,945,775; Feb. 27.
- Hinge for screen doors and the like. H. L. van Doren. Des. 93,856; Nov. 13.
- Hinge joint for folding rules. H. M. Gaststrom. 1,965,230; July 3.
- Hinge mechanism for range doors, Concealed. R. D. Wells. 1,983,686; Dec. 11.
- Hinge member for loose leaves. G. C. Garraway. 1,977,794; Oct. 23.
- Hinge with leveling and tilting adjustment, Gate. T. J. Roberts. 1,949,183; Feb. 27.
- Hinged bracket. E. F. Tobold. 1,973,829; Sept. 18.
- Hinged pin lock. S. Pelle. 1,971,049; Aug. 21.
- Hinged receptacle. C. H. Whitlock. 1,950,465; Mar. 13.
- Hitch and lift for two-row listers. R. Gregg. 1,952,982; Mar. 27.
- Hitch device. G. N. Kelley. 1,953,235; Apr. 3.
- Hitch device. T. W. Paul. 1,966,679; July 17.
- Hitch device. T. W. Paul. 1,975,237; Oct. 2.
- Hitch for tractors, Release. J. Morkovski. 1,974,142; Sept. 18.
- Hitching and power take-off mechanism, Combined. G. Morgan. 1,965,985; July 10.
- Hive frame. G. G. Frater. 1,947,706; Feb. 20.
- Hob manufacture. J. Edgar. 1,979,535; Nov. 6.
- Hobbing machine. J. B. Sinderson. 1,962,365; June 12.
- Hobbyhorse. W. F. Burket. 1,942,396; Jan. 9.
- Hobbyhorse. M. M. Shuster. Re19,327; Sept. 25.
- Hobbyhorse. M. M. Shuster. 1,961,796; June 5.
- Hobbyhorse. R. O. Stockil. 1,941,722; Jan. 2.
- Hobs, Producing. G. R. Scott. 1,980,444; Nov. 13.
- Hod, Coal. G. Dalén. 1,957,097; May 1.
- Hoe. A. Fandrich. Des. 91,808; Mar. 27.
- Hoe cultivator. D. A. Smith. 1,967,976; July 24.
- Hoe, Mechanical. R. Gept. 1,956,897; May 1.
- Hoe, Power. H. L. Mitchell. 1,962,516; June 12.
- Hoeing tractive engine. E. G. Avignon. 1,959,942; May 22.
- Hog bleeding and defibrinating apparatus. E. A. Poe. 1,963,097; June 19.
- Hoist. C. V. Koons. 1,944,713; Jan. 23.
- Hoist. R. M. Robertson. 1,949,920; Mar. 6.
- Hoist. R. J. Wadd. 1,945,712; Feb. 6.
- Hoist and carrier, Invalid. J. J. Ettinger. 1,961,119; May 29.
- Hoist and wheel release. V. J. Krewett. 1,955,883; Apr. 24.
- Hoist attachment. H. S. Mulhollen. 1,975,729; Oct. 2.
- Hoist attachment for tractors. H. S. Myers. 1,974,248; Sept. 18.
- Hoist attachment for trucks. W. Schroeder. 1,941,582; Jan. 2.
- Hoist, Automatic centering electric. F. W. Coffing. 1,960,371; May 29.
- Hoist control. W. C. Anthony and L. Wachter. 1,985,361; Dec. 25.
- Hoist control, Hydraulic. H. F. Gorsuch and P. Dupre. 1,971,651; Aug. 28.
- Hoist, Drilling and production. A. H. Bell. 1,964,421; June 26.
- Hoist drum. F. E. Stahl. 1,984,604; Dec. 18.
- Hoist, Dumping vehicle. C. F. Higgins. 1,962,445; June 12.
- Hoist, Electrically operated. F. L. Stone. 1,953,783; Apr. 3.
- Hoist for dump vehicles. C. P. Galanot. 1,978,043; Oct. 23.
- Hoist for trucks, Loading. M. Evoy. 1,945,426; Jan. 30.
- Hoist, Free-chain. F. W. Coffing. 1,973,844; Sept. 18.
- Hoist, Invalid. H. E. Cole. 1,968,477; July 31.
- Hoist-lever construction, Hydraulic. R. E. Smith. 1,973,668; Sept. 11.
- Hoist line tool. H. L. Berkey. 1,962,129; June 12.
- Hoist mechanism. G. L. Landry. 1,944,351; Jan. 23.
- Hoist, Pneumatic. W. C. Liebler. 1,961,501; June 5.
- Hoist, Production. J. W. Adams. 1,977,840; Oct. 23.
- Hoist sheave. A. J. Nicht, jr. 1,972,598; Sept. 4.
- Hoist, Transmission. J. E. Jones. 1,978,999; Oct. 30.
- Hoist, Vehicle. R. D. Smith. 1,942,945; Jan. 9.
- Hoisting apparatus. E. E. Garrick. 1,983,749; Dec. 11.
- Hoisting apparatus. O. P. Liebreich. 1,984,071; Dec. 11.
- Hoisting apparatus. S. S. Rathbun. 1,952,728; Mar. 27.
- Hoisting device. H. L. Berkey. 1,962,130; June 12.
- Hoisting machinery. B. V. E. Nordberg. 1,970,055; Aug. 14.
- Hoisting mechanism. R. C. Osgood. 1,958,441; May 15.
- Hoisting mechanism. B. C. Osgood. 1,971,351; Aug. 28.
- Hoisting mechanism. H. E. Scott. 1,980,297; Nov. 13.
- Hoisting mechanism for dump trucks. L. B. Beath. 1,943,050; Jan. 9.
- Hoisting table. R. J. Tindale. 1,981,680; Nov. 20.
- Holder: See—
- Abrasive holder. Flower box holder.
- Abrasive stone holder. Flower holder.
- Adjustable lens holder. Fluoroscopic holder.
- Article holder. Fruit jar holder.
- Awning rod holder. Fuse holder.
- Baby diaper holder. Game tally holder.
- Bag holder. Garment holder.
- Barb wire holder. Glass holder.
- Bed clothes holder. Globe holder.
- Billiard chalk holder. Gramophone needle holder.
- Blade holder. Harmonica holder.
- Bottle holder. Hat holder.
- Box lid holder. Holster holder.
- Bread and wrapper holder. Hose holder.
- Broach holder. Hot handle holder.
- Brush holder. Instrument and blade holder.
- Bulb holder. Instrument holder.
- Calendar pad holder. Iron holder.
- Carbon holder. Jar holder.
- Card holder. Key and license holder.
- Card or label holder. Key holder.
- Card or memorandum holder. Layer cake holder.
- Certificate holder. Lens holder.
- Check holder. License plate holder.
- Christmas tree holder. Lingerie strap holder.
- Cigar holder. Lipstick holder.
- Cigarette holder. Loose-leaf holder.
- Cloth holder. Loose sheet holder.
- Coiled strip holder. Luggage holder.
- Coin holder. Magazine holder.
- Collapsible reservoir holder. Mail box holder.
- Collar and necktie holder. Manifold pack holder.
- Collar holder. Match box holder.
- Condiment holder. Match holder.
- Contact score holder. Match packet holder.
- Cop holder. Milk bottle holder.
- Cop-tube holder. Mop holder.
- Copy holder. Music holder.
- Corsage holder. Necktie holder.
- Cosmetic holder. Nonslip hat holder.
- Cravat holder. Notebook holder.
- Crayon holder. Nursing bottle holder.
- Crystal holder. Package holder.
- Cuff holder. Pad holder.
- Currency holder. Paper holder.
- Curtain and drapery holder. Paper roll holder.
- Curtain rod holder. Paste tube holder.
- Decoration and light holder. Pasteurizing holder.
- Dental bur holder. Pastry holder.
- Dental floss holder. Pen holder.
- Detergent holder. Pencil holder.
- Die-holder. Pipe holder.
- Directory holder. Plant label holder.
- Display card holder. Playing card holder.
- Door holder. Pole holder.
- Drop cloth holder. Price card holder.
- Dry gas holder. Price tag holder.
- Electric fuse holder. Printing plate holder.
- Electrode fragment holder. Push bench die holder.
- Electrode holder. Razor blade holder.
- Eraser holder. Razor strap holder.
- Explosive combustion holder. Receptacle holder.
- Extra towel holder. Replaceable tube holder.
- Fastener holder. Rope and cable holder.
- File holder. Sadiron holder.
- Finger print card holder. Sash holder.
- Fishhook holder. Saw holder.
- Fishing rod holder. Screen holder.
- Shade, curtain and drapery holder.

- Holder: See—
 Shade holder.
 Shoe holder.
 Shoulder strap holder.
 Shovel holder.
 Sign holder.
 Skirt holder.
 Snap-on holder.
 Soap holder.
 Spinning ring holder.
 Sponge holder.
 Spool holder.
 Squeegee holder.
 Staff holder.
 Stamp holder.
 Supply holder.
 Swinging holder.
 Tear-off ticket holder.
 Thread guide holder.
 Ticket holder.
 Tie-back holder.
 Tie holder.
 Tie plate and rail holder.
 Title card holder.
 Toast holder.
- Tobacco article holder.
 Tobacco stringing lath holder.
 Toilet paper holder.
 Tool holder.
 Toothbrush and tumbler holder.
 Toothbrush holder.
 Towel holder.
 Tray receptacle holder.
 Trolley wire holder.
 Tube cap holder.
 Type holder.
 Type-matrix holder.
 Umbrella holder.
 Vegetable slicing holder.
 Wax holder.
 Welding-electrode holder.
 Welding rod holder.
 Wheel holder.
 Window sash holder.
 Wire spool holder.
 Yarn holder.
- Holder. W. F. C. Brooker. 1,946,895; Feb. 13.
 Holder. J. H. Flink. 1,969,066; Aug. 7.
 Holder. J. C. Morlock. 1,952,385; Mar. 27.
 Holder. S. Pilato. 1,952,937; Mar. 27.
 Holder. J. R. Thomas. 1,948,403; Feb. 20.
 Holder. C. T. Walter. 1,952,644; Mar. 27.
 Holder and bag, Clothes hanger. G. K. Ballentine. 1,948,019; Feb. 20.
 Holder and candlestick, Combined flower vase. A. J. Bennett. 1,977,816; Oct. 23.
 Holder and carrier for riveting machines. A. R. Havenner. 1,949,338; Feb. 27.
 Holder and carrier, Golf tee. A. H. Breitbarth. 1,948,284; Feb. 20.
 Holder and cutter, Pack. S. J. Bens. 1,941,458; Jan. 2.
 Holder and cutter, Wax paper. H. C. Wegener. 1,981,013; Nov. 20.
 Holder and dispenser for plastic materials. B. Gottesman. 1,961,759; June 5.
 Holder and expander for piston rings. H. A. Berkman. 1,983,965; Dec. 11.
 Holder and fastener, Lamp. J. C. Tam. 1,944,040; Jan. 16.
 Holder and inclosure for lamps. E. G. K. Anderson. 1,943,852; Jan. 16.
 Holder and match box combination, Pot. J. Cutler. Des. 93,330; Sept. 18.
 Holder and rewetter, Cleaning pad. W. W. Weller. 1,943,647; Jan. 16.
 Holder and shelf construction, Tag. E. C. Cordes. 1,970,739; Aug. 21.
 Holder and the like, Electric lamp. C. L. Cleburne. 1,956,273; Apr. 24.
 Holder for a clothesline reel and clothespins, Combination. W. B. Heintz. 1,961,356; June 5.
 Holder for a rouge stick, Sheath. R. Matheret and L. Garreau. 1,948,074; Feb. 20.
 Holder for an X-ray film packet. M. Vloch. 1,974,936; Sept. 25.
 Holder for ash trays, Match box. H. R. Goddard. 1,949,567; Mar. 6.
 Holder for cartridge type fuses and the like. R. A. Ohlson. 1,955,251; Apr. 17.
 Holder for cinematograph films and the like. G. W. Ford. 1,944,023; Jan. 16.
 Holder for collapsible tubes or similar articles. J. H. Soeller. Des. 91,689; Mar. 6.
 Holder for cosmetics and the like. G. C. Fullmer. 1,979,828; Nov. 6.
 Holder for dental floss. A. E. Reitzel. 1,970,575; Aug. 21.
 Holder for duplicate contract bridge hands. H. Simmonds, jr. 1,981,154; Nov. 20.
 Holder for edibles, Display. S. Rosen. 1,966,734; July 17.
 Holder for electric fuses, etc. R. N. Rowe. 1,971,623; Aug. 28.
 Holder for fastener elements and the like. L. Roseman. 1,957,670; May 8.
 Holder for fountain pens. W. R. Cuthbert. 1,944,927; Jan. 30.
 Holder for fragile articles. B. Rous. 1,973,108; Sept. 11.
 Holder for fragile articles, Packing. M. Koppelman. 1,969,802; Aug. 14.
 Holder for frozen confections. R. G. Birr. 1,951,786; Mar. 20.
 Holder for frozen confections. A. C. Grunwald. 1,976,610; Oct. 9.
 Holder for gas administering tank. J. A. Heidbrink. 1,977,725; Oct. 23.
 Holder for banks of yarn or the like. A. Lyon. 1,962,513; June 12.
 Holder for hypodermic needles. B. C. Harrison. 1,975,360; Oct. 2.
 Holder for incandescent lamps. O. Conradty. 1,948,166; Feb. 20.
 Holder for lipsticks. J. L. Younghusband. 1,976,252; Oct. 9.
 Holder for lesson scrolls. H. G. Cress. 1,981,585; Nov. 20.
 Holder for loose-leaf binders and the like. W. Nothnagel. 1,975,971; Oct. 9.
- Holder for milk bottles, Service. A. I. Platt. 1,960,507; May 29.
 Holder for paper rolls. F. Garrett. 1,980,619; Nov. 13.
 Holder for paper rolls. S. Nedberg. 1,973,354; Sept. 11.
 Holder for posters and the like. W. F. Schott. 1,979,081; Oct. 30.
 Holder for pot lids, Adjustable. T. Glen, jr. 1,960,052; May 22.
 Holder for pull match packets. D. R. Payne. 1,961,078; May 29.
 Holder for railway equipment, Card. L. A. Rowe. 1,980,944; Nov. 13.
 Holder for safety razor blades. H. A. Louderback. 1,948,623; Feb. 27.
 Holder for sand blast nozzles, Adjustable. R. Ruemelin, jr. 1,974,470; Sept. 25.
 Holder for scouring material, Flexible. H. W. Jelliffe and W. H. Abott. 1,958,408; May 15.
 Holder for seamstresses, Utility. H. T. Chinn. Des. 92,522; June 19.
 Holder for shoulder straps. F. Spindler. 1,942,734; Jan. 9.
 Holder for sorting machines, Brush. E. A. Ford. 1,946,905; Feb. 13.
 Holder for street railway transfers and the like. I. C. Smith. 1,968,717; July 31.
 Holder for toilet sticks or the like. L. Kutter. 1,978,541; Oct. 30.
 Holder for toothbrushes. H. O. McMillan. 1,972,532; Sept. 4.
 Holder for towels and the like. A. F. Herman. 1,944,343; Jan. 23.
 Holder for vases and the like, Flower. F. Huttenlocher. 1,954,243; Apr. 10.
 Holder for winding machines with automatic feed of the full supply bobbins, Supply. W. Reiners and G. Kahlsch. 1,978,550; Oct. 30.
 Holder, guard and hood for portable grinding wheels, Combination. R. B. Richardson. 1,977,038; Oct. 16.
 Holder or boring bar, Boring tool. R. V. Russell. 1,960,124; May 22.
 Holder or package, Display. C. D. Reed. 1,941,757; Jan. 2.
 Holder or similar article, Playing card and chip set. I. Rubinstein. Des. 93,892; Nov. 20.
 Holder or stand for pins. F. Ostrander. 1,965,468; July 3.
 Holder or unit, Wrench set. C. Vallone. 1,967,458; July 24.
 Holder structure, Electromagnetic. F. Lawrence. 1,976,176; Oct. 9.
 Holder with constant pressure, Gas. H. O. Hohl. 1,977,130; Oct. 16.
 Holding and releasing mechanism for railway car hand brakes. R. W. Burnett. 1,984,517; Dec. 18.
 Holding and retarding mechanism. R. W. Burnett. 1,960,477; Mar. 13.
 Holding and supporting display device. L. Einson. 1,956,641; May 1.
 Holding device. O. A. McNamee and C. P. Vaill. 1,979,756; Nov. 6.
 Holding device for chaser blocks. W. J. Hogg. 1,952,316; Mar. 27.
 Holding device for lamp-shade frames. J. A. Watral. 1,959,143; May 15.
 Holding device for screens and the like. C. J. Nickler. 1,955,648; Apr. 17.
 Holding device, Writing instrument. J. L. Schoedler. Des. 91,470; Feb. 6.
 Holding member for roofing, Leakproof. O. P. Valiquet and J. F. Chandler. 1,978,237; Oct. 23.
 Hole cutter for tank flange pipe couplings. C. H. Bills. 1,971,701; Aug. 28.
 Hollander. H. Banning. 1,946,347; Feb. 6.
 Hollow article and enameling it. A. W. Mackert. 1,978,213; Oct. 23.
 Hollow articles, Apparatus for forming. E. Hopkinson. 1,947,990; Feb. 20.
 Hollow articles, Apparatus for making. M. Wagner. 1,981,131; Nov. 20.
 Hollow articles, Electroplating the interior surfaces of. P. E. McKinney and H. Le Laurin. 1,982,009; Nov. 27.
 Hollow articles, Forming. W. L. Peters, D. R. Feemster, and W. H. Schomburg. 1,980,143; Nov. 6.
 Hollow articles, Method and apparatus for molding. J. F. Amos. 1,946,471; Feb. 13.
 Hollow bodies, Apparatus for sizing and straightening. C. M. Yoder. 1,955,783; Apr. 24.
 Hollow bodies by casting, Process and contrivance for producing. G. Schwietzke. 1,971,279; Aug. 21.
 Hollow bodies formed of plastic materials, Obtaining. A. Magnani. 1,974,337; Sept. 18.
 Hollow bodies from ply-wood, Apparatus for manufacturing. G. Schlesinger. 1,954,183; Apr. 10.
 Hollow body, Air-tight closed. S. Mangold. 1,976,793; Oct. 16.
 Hollow body, Manufacturing cementitious. C. R. Nichols. 1,955,760; Apr. 24.
 Hollow cores, Splicing. E. W. Bebie. 1,954,610; Apr. 10.
 Hollow metallic structure. A. H. Marty. 1,961,006; May 29.
 Hollow milling tool. E. Gairing. 1,978,130; Oct. 23.
 Hollow objects from ingots having big dimensions, Manufacturing. A. O. Wahlsteen. 1,966,602; July 17.
 Hollow rod. W. Guntermann and K. Stoll. 1,947,392; Feb. 13.

- Hollow tile block. F. A. Holby. 1,984,972; Dec. 18.
 Holly wreath. J. F. Tremper. Des. 91,549; Feb. 20.
 Holster holder. B. F. Cross. 1,964,035; June 26.
 Holster holder. B. F. Cross. 1,969,258; Aug. 7.
 Holster or similar article, Boy's. H. Iskin. Des. 93,981; Dec. 4.
 Holster, Quick release pistol. F. Franz. 1,951,865; Mar. 20.
 Home seaming machine. A. G. Hopkins. 1,983,081; Dec. 4.
 Homopolar generator. F. K. Rouge, M. B. Steele, and E. D. Smith. 1,944,952; Jan. 30.
 Hone. L. Hermann. 1,976,070; Oct. 9.
 Hone. N. Katz. 1,949,309; Feb. 27.
 Hone, Bearing. H. W. Zimmerman. 1,959,891; May 22.
 Hone or abrading tool. W. R. Cooper. 1,975,193; Oct. 2.
 Hone, Razor. L. R. Click. 1,967,113; July 17.
 Hone, Razor blade. J. P. L. Oppenheimer. 1,975,284; Oct. 2.
 Honer. Safety razor blade. F. E. Housh. 1,980,407; Nov. 13.
 Honing apparatus. M. L. Bickart. 1,962,120; June 12.
 Honing apparatus. J. H. and A. D. Gettig. 1,963,620; June 19.
 Honing apparatus and method. M. L. Bickart. 1,962,119; June 12.
 Honing device. J. A. Vogel and G. C. Warner. 1,982,238; Nov. 27.
 Honing device for cylinders. J. Sunnen. 1,982,836; Dec. 4.
 Honing machine. J. P. Ferris. 1,948,468; Feb. 20.
 Honing machine. A. M. Johnson. 1,945,045; Jan. 30.
 Honing machine. A. M. Johnson and W. M. Fairbairn. 1,945,044; Jan. 30.
 Honing tool. F. M. Kern. 1,944,662; Jan. 23.
 Honing tool. F. M. Kern. 1,973,712; Oct. 30.
 Honey, Cutting and wrapping. J. E. Hibbert. 1,973,208; Sept. 11.
 Honey extractor, Centrifugal. J. T. Calvert. 1,968,014; July 31.
 Hood. A. R. Mallard. 1,954,571; Apr. 10.
 Hood and cowl assembly. F. M. Zeder. Des. 91,449; Jan. 30.
 Hood and reflector construction. P. D. Phillips. 1,965,722; July 10.
 Hood applying machine for milk bottles. J. T. Eubank. 1,947,973; Feb. 20.
 Hood attachment and lock for automobiles. E. G. Watrous. 1,945,128; Jan. 30.
 Hood caps on vessels, Securing. E. W. Bridge. 1,957,441; May 8.
 Hood construction for motor vehicles. A. Pascoe. 1,960,953; May 29.
 Hood fastener. W. A. Schumann. 1,966,908; July 17.
 Hood fitting for motor and other vehicles. G. Salmons and A. H. Dalby-Balls. 1,950,271; Mar. 6.
 Hood for baby carriages or the like. M. E. Berry. Des. 93,442; Oct. 2.
 Hood for wind stackers of grain separators, Controllable. C. D. Mattix. 1,948,930; Feb. 27.
 Hood latch. S. De Orlow. 1,950,600; Mar. 13.
 Hood, Vapor. J. Nessel. 1,954,257; Apr. 10.
 Hood, Work. F. A. Holes. 1,977,386; Oct. 16.
 Hoof moistener. W. H. Cook. 1,956,276; Apr. 24.
 Hook: See—
 Block hook. Meat hook.
 Can hook. Plate hook.
 Clevis hook. Rain spout hook.
 Display hook. Roof hook.
 Drag bucket hook. Safety hook.
 Fence hook. Snap hook.
 Fishing hook. Trough head attaching
 Lash cinch hook. hook.
 Lever hook.
 Hook fastener slide. Safety removable. A. Bebel and B. Pruzan. 1,942,912; Jan. 9.
 Hook lock. I. Berger. 1,978,781; Oct. 30.
 Hoop. R. G. and R. H. Hiers. 1,955,330; Apr. 17.
 Hoop. G. Mills. 1,953,426; Apr. 3.
 Hoop, Embroidery. J. D. Karle. 1,944,690; Jan. 23.
 Hoop governor with double acting weight. J. O. Almen and J. Dolza. 1,984,006; Dec. 11.
 Hoop roller. G. E. Voss. 1,985,557; Dec. 25.
 Hoop, Train order. R. A. Stockwell. 1,942,010; Jan. 2.
 Hoop with detachable handle, Child's play. M. K. Hill. 1,965,240; July 3.
 Hoops. Device for uniting package and bale. J. Beauvais. 1,981,086; Nov. 20.
 Hopper. H. A. Colvin. 1,971,032; Aug. 21.
 Hopper, Apparatus for discharging an ash. F. B. Allen. 1,943,780; Jan. 16.
 Hopper, Blast furnace charging. W. S. Unger. 1,973,451; Sept. 11.
 Hopper, Change bale. J. A. Streun. 1,967,845; July 24.
 Hopper closure for stokers. L. Schwitzer and C. J. Winkler. 1,951,534; Mar. 20.
 Hopper discharge mechanism. A. S. Hoberg, J. Schabel, and E. C. Schwantes. 1,955,363; Apr. 17.
 Hopper for a document handling machine, Auxiliary feeding. C. J. Hughey. 1,981,452; Nov. 20.
 Hopper for stokers. R. W. McFadden. Des. 93,280; Sept. 11.
 Hopper magazine feed device. H. W. Ruppel. 1,982,964; Dec. 4.
 Hopper mechanism. K. G. Lockie. 1,973,720; Sept. 18.
 Hopper unit for underfeed stokers. H. C. Carter. 1,974,133; Sept. 18.
 Horizon, Artificial. R. J. Horlacher. 1,946,072; Feb. 6.
 Hormone and obtaining the same. E. A. Doisy. 1,967,351; July 24.
 Hormone and obtaining the same. E. A. Doisy, S. A. Thayer and C. D. Veler. 1,967,350; July 24.
 Hormone and producing the same, Ovarian. F. R. Eldred. 1,978,298; Oct. 23.
 Hormone and producing the same, Testicular. F. R. Eldred. 1,978,297; Oct. 23.
 Hormone in aqueous solution and producing the same, Glandular. F. R. Eldred. 1,978,079; Oct. 23.
 Hormone, Production of a follicle. A. Butenandt. 1,966,752; July 17.
 Horn. L. B. Greenleaf. 1,966,119; July 10.
 Horn. H. W. Schwartz. 1,956,254; Apr. 24.
 Horn control device. H. B. Luyster. 1,983,912; Dec. 11.
 Horn for insulators, Arcing. H. B. Vincent and H. P. Sleetman. 1,947,321; Feb. 13.
 Horn for loud speakers, Tone modulating. R. R. Du Puy. 1,973,200; Sept. 11.
 Horn, Pneumatic. E. E. Hewitt. 1,943,671; Jan. 16.
 Horn signaling device. W. F. Hudson. 1,960,665; May 29.
 Horology system. R. H. Worrall. 1,961,320; June 5.
 Horse, Collapsible or knockdown. H. J. Marlowe. 1,982,061; Nov. 27.
 Horseshoe. A. Veran. 1,953,281; Apr. 3.
 Horseshoe and making the same. M. F. O'Connor. 1,975,730; Oct. 2.
 Horseshoe of rubber or similar material. E. Nygaard. 1,946,636; Feb. 13.
 Horseshoe, Stay-on. J. B. Smith. 1,955,030; Apr. 17.
 Horseshoe with exchangeable calks. O. Miöen. 1,973,495; Sept. 11.
 Horticultural marking device. F. C. Choate. 1,984,395; Dec. 18.
 Hose. D. B. Gish. 1,973,756; Sept. 18.
 Hose. H. W. Goodall. 1,984,475; Dec. 18.
 Hose. F. B. Williamson. Jr. 1,948,410; Feb. 20.
 Hose and making the same. A. D. MacLachlan. 1,974,285; Sept. 18.
 Hose and nozzle coupling. W. H. Rice and H. M. Lyon. 1,971,120; Aug. 21.
 Hose and plant protector. F. Schmitt. 1,968,357; July 31.
 Hose attachment, Garden. A. M. Hilton. 1,942,701; Jan. 9.
 Hose clamp. L. H. Heuer. 1,947,715; Feb. 20.
 Hose clamp. M. Schnaier. 1,959,550; May 22.
 Hose clamp. A. Suchter. 1,956,107; Apr. 24.
 Hose clamp. W. C. Walker. 1,965,207; July 3.
 Hose clamp or connection and method of clamping the end of a hose. J. P. Eastman. 1,969,548; Aug. 7.
 Hose connector and the like. L. R. Nelson. 1,965,426; July 3.
 Hose connection. J. M. Angeja. 1,980,466; Nov. 13.
 Hose connection. C. A. Campbell. 1,952,531; Mar. 27.
 Hose connection. L. Fraley. 1,941,856; Jan. 2.
 Hose connection. L. S. Palmer. 1,971,500; Aug. 28.
 Hose coupling. C. H. Barker. 1,978,245; Oct. 23.
 Hose coupling. H. A. Bourne and C. C. Cadden. 1,958,125; May 8.
 Hose coupling. J. P. Eastman. 1,954,989; Apr. 17.
 Hose coupling. H. E. Dennie. 1,980,389; Nov. 13.
 Hose coupling. P. J. Hamilton. 1,947,593; Feb. 20.
 Hose coupling. C. A. Hanson. 1,966,718; July 17.
 Hose coupling. W. W. Hartman and R. A. Steps. 1,971,105; Aug. 21.
 Hose coupling. J. R. Heidloff. 1,944,890; Jan. 30.
 Hose coupling. F. A. Mathey. 1,970,050; Aug. 14.
 Hose coupling. C. A. Norgren. 1,977,917; Oct. 23.
 Hose coupling. L. L. Richardson. 1,971,578; Aug. 28.
 Hose coupling. C. W. Shippee. 1,961,989; June 5.
 Hose coupling. A. L. Wallace. 1,974,383; Sept. 18.
 Hose coupling. T. A. Weinke. 1,974,635; Sept. 25.
 Hose coupling. B. F. Williams. 1,977,219; Oct. 16.
 Hose coupling and making same. C. C. Cadden and H. A. Bourne. 1,969,203; Aug. 7.
 Hose coupling and securing the same to a hose. D. B. Gish. 1,985,494; Dec. 25.
 Hose coupling and using the same. B. F. Williams. 1,966,368; July 10.
 Hose coupling, Detachable. A. A. Ewald. 1,968,075; July 31.
 Hose cutter. L. P. Berwick. 1,983,837; Dec. 11.
 Hose end coupling and method of assembling. W. F. Oliver. 1,955,930; Apr. 24.
 Hose end fitting, Method of assembly of a. J. R. Heidloff. 1,945,777; Feb. 6.
 Hose fitting. A. Brunner. 1,952,416; Mar. 27.
 Hose for fluid pressure systems, Flexible. M. Loughhead. 1,978,211; Oct. 23.
 Hose for rotary well drilling systems, Steel circulating. A. E. Johnson. 1,963,368; June 19.
 Hose for vehicle brakes. A. D. Pentz. 1,942,829; Jan. 9.
 Hose holder. K. B. Heath. 1,953,882; Apr. 3.
 Hose insert. J. S. Pecker. 1,943,741; Jan. 16.
 Hose, Making. L. M. Freeman and H. W. Catt. 1,974,211; Sept. 18.
 Hose, Making. A. D. MacLachlan. 1,969,227; Aug. 7.
 Hose menders and couplings, Method of and apparatus for making. F. Hanlan. 1,964,630; June 26.

- Hose nipple connection. T. M. Knowland. 1,970,513; Aug. 14.
- Hose or conduit, Flexible. S. H. Collom. 1,954,724; Apr. 10.
- Hose protector. M. J. Caswell. 1,969,351; Aug. 7.
- Hose reel. G. V. Barr. 1,948,158; Feb. 20.
- Hose reel. C. Harris. 1,982,610; Nov. 27.
- Hose reel. C. R. Parker. 1,971,165; Aug. 21.
- Hose supporter. E. Ericson. 1,947,764; Feb. 20.
- Hose supporter clip. J. J. Harmer. 1,955,911; Apr. 24.
- Hose wrench. E. O. Adams. 1,945,406; Jan. 30.
- Hosiery. W. P. Brown. 1,944,591; Jan. 23.
- Hosiery and making the same. O. U. Zerk. 1,943,408; Jan. 16.
- Hosiery and the manufacture thereof. C. A. Kaufman. 1,969,307; Aug. 7.
- Hosiery container and display device. R. B. Crawford, Jr. 1,957,248; May 1.
- Hosiery drying apparatus. P. Guggenheim. 1,941,893; Jan. 2.
- Hosiery drying apparatus. T. W. Prosser and J. H. Wahlbeck. 1,942,729; Jan. 9.
- Hosiery, Elastic foot. E. O. Nebel. 1,974,993; Sept. 25.
- Hosiery filler apparatus. P. Guggenheim. 1,973,379; Sept. 11.
- Hosiery heel and making same. J. M. Allen. 1,979,360; Nov. 6.
- Hosiery, Mechanism and mechanical method for making runproof or run-resistant full-fashioned. E. E. Carlson. 1,978,409; Oct. 30.
- Hosiery, Method of and mechanism for knitting runproof or run-resistant full-fashioned. E. E. Carlson. 1,978,412; Oct. 30.
- Hosiery press. E. J. Schremp. 1,944,376; Jan. 23.
- Hosiery, Producing. J. and T. A. Oliver. 1,954,711; Apr. 10.
- Hosiery toe. J. M. Allen. 1,975,706; Oct. 2.
- Hosiery with elastic seam. H. B. Snader. 1,968,967; Aug. 7.
- Hospital dressing package. E. E. Dickson. 1,967,187; July 17.
- Hot air furnace. D. R. Bard. 1,941,822; Jan. 2.
- Hot air furnace. T. R. Brien. 1,967,495; July 24.
- Hot air furnace. F. B. Freeland. 1,965,179; July 3.
- Hot air furnace. R. T. Kimzey. 1,965,775; July 10.
- Hot air furnace. R. B. Rainey. 1,973,016; Sept. 11.
- Hot-blast sluice valve. H. Rösener. 1,951,677; Mar. 20.
- Hot gas gate. K. F. Juengling. 1,979,885; Nov. 6.
- Hot handle holder. G. L. Olson. 1,976,411; Oct. 9.
- Hothouse, Portable. N. L. Jacobus. 1,942,477; Jan. 9.
- Hot-molding machine. E. Bisterfeld. 1,965,732; July 10.
- Hot packs and the like, Device for wringing. J. M. Cantwell. 1,943,755; Jan. 16.
- Hot top. W. M. Charman. 1,945,880; Feb. 6.
- Hot top. W. M. Charman and G. A. Peterson. 1,949,292; Feb. 27.
- Hot water bag attachment. I. L. Mitchell. 1,980,348; Nov. 13.
- Hot water boiler. C. F. Carmell. 1,984,248; Dec. 11.
- Hot water circulating system. D. B. Mayberry. 1,948,425; Feb. 20.
- Hot water generator. J. W. Carroll. 1,967,706; July 24.
- Hot water heater. R. M. Forster. 1,953,851; Apr. 3.
- Hot water heater. J. F. Mustee. Re19,173; May 22.
- Hot water heater. R. P. Wilson. 1,961,723; June 5.
- Hourglass worms, Generating. O. G. Simmons. 1,958,958; May 15.
- House, Animal. F. E. Walston. 1,973,029; Sept. 11.
- House, Chicken brooder. J. D. Overholt. 1,980,631; Nov. 13.
- House construction, Smoker. L. Brand. 1,950,292; Mar. 6.
- House front or the like, Club. N. R. Liddle. Des. 91,434; Jan. 30.
- House, Knockdown. E. H. Lightfoot. 1,985,789; Dec. 25.
- House number, Interchangeable. G. J. Olson. 1,943,740; Jan. 16.
- House number plate, letter drop opening, and signal push button. Combination illuminated. A. Fazekas. 1,975,358; Oct. 2.
- House, Steel. H. Scullin. 1,976,967; Oct. 16.
- House trap. E. Kennedy. 1,948,220; Feb. 20.
- Household air cooler. J. P. Williams. 1,949,522; Mar. 6.
- Household appliance. F. J. R. Karlström and J. G. Nord. Re19,256; July 24.
- Household appliances. F. E. Bessler. 1,953,038; Mar. 27.
- Housing bracket. T. A. Keen. 1,973,872; Sept. 18.
- Housing, Dustless discharge. P. B. Watson. 1,954,465; Apr. 10.
- Housing, Fan or blower. C. P. Hegan. 1,978,459; Oct. 30.
- Housing for a floor treating machine. C. G. Wennerstrom. Des. 92,635; June 26.
- Housing for a motor-generator set. H. D. Gumpfer. 1,947,713; Feb. 20.
- Housing for a permanent waving machine head or similar article. G. Decker. Des. 92,884; July 31.
- Housing for a vertical combustion power engine. G. Pielstick. 1,969,031; Aug. 7.
- Housing for coin controlled mechanism. E. Worthington. Des. 92,221; May 8.
- Housing for driers and similar machines. J. A. Noonan. Des. 92,623; June 26.
- Housing for electric motors. A. R. Schwarzkopf. 1,954,833; Apr. 17.
- Housing for electrical connections. W. H. Nichols. 1,974,364; Sept. 18.
- Housing for railway car hand brake mechanism. R. W. Burnett. 1,945,363; Jan. 30.
- Housing, Meter gear. W. L. Marden. 1,945,056; Jan. 30.
- Housing, Neon electrode. A. Hansen. 1,984,796; Dec. 18.
- Housing, Neon tube. C. C. Little. 1,964,068; June 26.
- Housing, Orifice meter plate. P. P. Daniel. 1,965,826; July 10.
- Housings, Sizing and surfacing draft gear. J. M. Hall. 1,955,367; Apr. 17.
- Hub and brake drum construction. G. E. Parker. 1,965,989; July 10.
- Hub assembly for wheels. C. R. Stough. 1,944,724; Jan. 23.
- Hub brake. H. F. Dixon. 1,968,810; Aug. 7.
- Hub cap and locking means therefor. C. M. Nehls. 1,944,954; Jan. 30.
- Hub cap and securing same to wheel hubs. W. N. Booth. 1,943,159; Jan. 9.
- Hub cap construction. W. H. Farr. 1,945,348; Jan. 30.
- Hub cap or other closure, Snap-on. W. W. Clarke. 1,976,542; Oct. 9.
- Hub-cap or other closure, Snap-on. H. F. Reichenbach. 1,953,634; Apr. 3.
- Hub cap, Safety. T. A. Cheatham. 1,955,735; Apr. 24.
- Hub cap, Vehicle wheel. J. J. Vickerilla. 1,980,646; Nov. 13.
- Hub for reversible pitch propellers, Integral. W. S. Hoover. 1,972,487; Sept. 4.
- Hub liner, Floating. J. C. Sharp. 1,969,762; Aug. 14.
- Hub shell and forming same. C. W. Sinclair. 1,965,203; July 3.
- Hub shell construction for vehicle wheels. L. J. Rosa and C. S. Ash. 1,971,877; Aug. 28.
- Hub shells for wire wheels, Forming. B. Caswell. 1,955,054; Apr. 17.
- Hub shells, Forming. C. W. Sinclair. 1,952,338; Mar. 27.
- Hub shells of vehicle wheels, Forming. C. W. Sinclair. 1,984,091; Dec. 11.
- Hubs of car wheels, Treatment of. M. A. Smith. 1,951,111; Mar. 13.
- Hull construction. A. Berardinelli. 1,983,964; Dec. 11.
- Hull extracting unit. J. J. Wallace. 1,953,545; Apr. 3.
- Hull extractor. T. O. Ott. 1,950,061; Mar. 6.
- Hull extractor for cotton. F. E. Deems. 1,946,783; Feb. 13.
- Hull extractor for cotton. F. E. Deems. 1,963,262; June 19.
- Huller, Seed corn. A. H. Weber. 1,962,975; June 12.
- Hum elimination system. W. V. Roberts. 1,969,902; Aug. 14.
- Humidifier. R. A. Brodhecker. 1,946,521; Feb. 13.
- Humidifier. C. C. Emerson. 1,943,379; Jan. 16.
- Humidifier. D. Handelan. 1,946,792; Feb. 13.
- Humidifier. B. L. Huntley. 1,981,916; Nov. 27.
- Humidifier. E. S. Lea. 1,979,630; Nov. 6.
- Humidifier. C. E. Lewis. 1,963,412; June 19.
- Humidifier. T. E. McGrail. 1,969,986; Aug. 14.
- Humidifier. W. F. Mortimer. 1,960,545; May 29.
- Humidifier. C. A. Olson. 1,976,364; Oct. 9.
- Humidifier. L. M. Persons. 1,961,508; June 5.
- Humidifier. L. M. Persons. 1,985,689; Dec. 25.
- Humidifier. E. H. Roberts. 1,982,323; Nov. 27.
- Humidifier. E. Schneider. 1,944,375; Jan. 23.
- Humidifier. J. H. Simpson. 1,966,872; July 17.
- Humidifier. W. H. and L. L. Werhan, and F. S. Usrey. 1,942,502; Jan. 9.
- Humidifier. J. G. Zummach. 1,953,794; Apr. 3.
- Humidifier, Air. G. D. Doherty. 1,944,411; Jan. 23.
- Humidifier and drier, Package. T. P. Reddin. 1,954,577; Apr. 10.
- Humidifier and sterilizer. E. C. Rosenow. 1,961,711; June 5.
- Humidifier and the like. H. F. Hutzell. 1,976,228; Oct. 9.
- Humidifier, Automatic. N. Jasperson. 1,967,824; July 24.
- Humidifier, Cotton. C. S. Herring. 1,954,383; Apr. 10.
- Humidifier for carburetors. A. Gazda. 1,945,431; Jan. 30.
- Humidifier for furnaces. E. D. Betts. Des. 92,227; May 15.
- Humidifier having conduits with return bends. G. R. Magney. 1,943,897; Jan. 16.
- Humidifier head. G. C. Hanley. 1,982,137; Nov. 27.
- Humidifier or vaporizer. A. Breitenbach. 1,960,098; May 22.
- Humidifier valve. F. W. Laux. 1,962,991; June 12.
- Humidifying apparatus. A. C. Anderson. 1,958,224; May 8.
- Humidifying apparatus. A. W. Anthony, Jr. 1,978,007; Oct. 23.
- Humidifying apparatus. W. Shurtleff. 1,973,729; Sept. 18.
- Humidifying device. E. S. Cornell, Jr. 1,977,821; Oct. 23.
- Humidifying device. C. O. Wilson. 1,976,054; Oct. 9.
- Humidifying system. C. Hagen. 1,983,753; Dec. 11.
- Humidity and temperature control. G. H. Fisher. 1,946,903; Feb. 13.
- Humidity, Apparatus for controlling. W. H. Carrier. 1,955,406; Apr. 17.
- Humidity controller. G. W. Bulley. 1,953,923; Apr. 10.
- Humidity controller. E. A. Russell, P. B. Parks, and W. M. Smith. 1,953,727; Apr. 3.

- Humidity indicator, Direct reading relative. J. J. Grebe and L. C. Chamberlain. 1,984,341; Dec. 11.
- Humidity regulator. E. C. Lamlein and R. Miller. 1,965,705; July 10.
- Humidity regulator. C. E. Lewis. 1,968,301; July 31.
- Humidity regulator. B. M. Mills. 1,966,931; July 17.
- Humidity sensitive instrument. W. C. Goss. 1,970,745; Aug. 21.
- Humidostat. M. E. Henning. 1,956,795; May 1.
- Humidostat. M. E. Henning. 1,962,505; June 12.
- Hunt and lag preventing means. B. A. Wittkuhns. 1,959,144; May 15.
- Hurdle. R. E. Squire. 1,982,934; Dec. 4.
- Hurricane lamp. B. Nier. 1,965,051; July 3.
- Hutch, Sanitary. E. A. Corbin, Jr. 1,947,698; Feb. 20.
- Hydrant. F. R. Banks. 1,944,777; Jan. 23.
- Hydrator. J. E. McCluney. 1,953,765; Apr. 3.
- Hydraulic actuating mechanism. D. H. West. 1,970,530; Aug. 14.
- Hydraulic apparatus. D. H. Montgomery. Re19,077; Feb. 13.
- Hydraulic apparatus. L. F. Moody. 1,947,653-4; Feb. 20.
- Hydraulic apparatus. L. F. Moody. 1,951,199; Mar. 13.
- Hydraulic apparatus. L. F. Moody. 1,978,809-10; Oct. 30.
- Hydraulic bearing. C. S. Nadler. 1,978,218; Oct. 23.
- Hydraulic binding means, Accelerating the hardening. W. Kirchner. 1,968,152; July 31.
- Hydraulic brake. J. J. Banas. 1,985,812; Dec. 25.
- Hydraulic brake. A. P. Brush. 1,945,728; Feb. 6.
- Hydraulic brake. H. W. Drake. 1,978,742; Oct. 30.
- Hydraulic brake. C. E. Furgason. 1,955,180; Apr. 17.
- Hydraulic brake. J. R. Hiedloff. 1,943,959; Jan. 16.
- Hydraulic brake. H. J. Hopkins. 1,975,362; Oct. 2.
- Hydraulic brake. L. C. Huck. 1,965,894; July 10.
- Hydraulic brake. A. E. and E. Le Cour. 1,943,679; Jan. 16.
- Hydraulic brake. E. F. Loweke. 1,941,563; Jan. 2.
- Hydraulic brake. W. F. Oliver. 1,972,829; Sept. 4.
- Hydraulic brake. E. C. Skillman. 1,946,594; Feb. 13.
- Hydraulic brake. J. W. White. 1,968,667; July 31.
- Hydraulic clutch. A. Bizzari. 1,955,705; Apr. 17.
- Hydraulic clutch. W. F. Goehring. 1,974,023; Sept. 18.
- Hydraulic clutch. W. Iverson. 1,959,533; May 22.
- Hydraulic control. C. E. Coates and M. Clark. 1,957,759; May 8.
- Hydraulic control and operating mechanism for machine tools. R. S. Condon. 1,971,593; Aug. 28.
- Hydraulic control for radial drills, Centralized. L. L. Schauer and A. M. Sosa. 1,975,589; Oct. 2.
- Hydraulic control gear. H. S. Hele-Shaw and T. E. Beacham. 1,983,884; Dec. 11.
- Hydraulic coupling. G. Bauer and C. Schmieske. 1,953,458; Apr. 3.
- Hydraulic coupling. E. C. Hassler. 1,954,292; Apr. 10.
- Hydraulic coupling. H. Sinclair. 1,963,720; June 19.
- Hydraulic crowding device. N. F. Havens. 1,960,379; May 29.
- Hydraulic draft gear. R. R. Stevens. 1,955,349; Apr. 17.
- Hydraulic drilling device. H. U. Baker. 1,973,197; Sept. 11.
- Hydraulic four-way valve. P. Fahrenkamp. 1,945,680; Feb. 6.
- Hydraulic governing system. E. S. Dennison. 1,948,098; Feb. 20.
- Hydraulic jack. I. E. Dearsley. 1,951,398; Mar. 20.
- Hydraulic jack. B. Goldman. 1,952,127; Mar. 27.
- Hydraulic jack. R. E. Manley. 1,948,073; Feb. 20.
- Hydraulic jack. J. P. McBride. 1,964,003; June 26.
- Hydraulic jack, Double acting. G. A. Countryman. 1,985,151; Dec. 18.
- Hydraulic lift. W. H. Warner. 1,958,960; May 15.
- Hydraulic load brake. W. Ferris. 1,985,445; Dec. 25.
- Hydraulic machine. C. Schmittbenner. 1,957,183; May 1.
- Hydraulic machine, Dual use. F. A. Allner. 1,951,640; Mar. 20.
- Hydraulic machine, Rotary. A. Hollander. 1,979,622; Nov. 6.
- Hydraulic machine tool. E. K. Morgan. 1,973,150; Sept. 11.
- Hydraulic mechanism. F. A. Truesdell. 1,946,510; Feb. 13.
- Hydraulic motor. H. F. Gorsuch and C. B. Dupre. 1,974,775; Sept. 25.
- Hydraulic operator. P. S. Shield. 1,946,715; Feb. 13.
- Hydraulic press. A. F. Beck. 1,968,595; July 31.
- Hydraulic press. J. P. Ferris and J. K. Douglas. 1,955,278; Apr. 17.
- Hydraulic press. W. Ferris. 1,970,134; Aug. 14.
- Hydraulic press. W. Ferris and G. H. Fobian. 1,970,999; Aug. 21.
- Hydraulic press. W. Ferris and G. Macomber. 1,980,514; Nov. 13.
- Hydraulic press. F. J. La Pointe. 1,956,989; May 1.
- Hydraulic press. G. H. Mains. 1,942,251; Jan. 2.
- Hydraulic pressure device for rolling mills. J. Sée and L. Huot. 1,980,882; Nov. 13.
- Hydraulic puller. A. M. McIntosh. 1,964,524; June 26.
- Hydraulic regulator. E. H. White. 1,984,558; Dec. 18.
- Hydraulic reversing valve. C. C. Jacobson and J. Schweder. 1,971,187; Aug. 21.
- Hydraulic rotatory and translatory device. H. Bénit. 1,979,439; Nov. 6.
- Hydraulic setting tool. L. A. Layne. 1,945,943; Feb. 6.
- Hydraulic spoke wheel. M. Hénap. 1,979,935; Nov. 6.
- Hydraulic steering gear. B. Sassen. 1,959,177; May 15.
- Hydraulic system. E. J. Svenson. 1,985,748; Dec. 25.
- Hydraulic system. J. M. Towler. 1,966,421; July 10.
- Hydraulic system and nozzle therefor. F. W. Ofeldt. 1,958,094; May 8.
- Hydraulic system, Combined rapid traverse and slow traverse. H. F. Vickers. 1,982,711; Dec. 4.
- Hydraulic system for automatic machines. H. E. Ostlund. 1,962,459; June 12.
- Hydraulic system for transmission of pressure or motion. P. L. Scott. 1,956,403; Apr. 24.
- Hydraulic system, Multiple. F. W. Davis. 1,944,002; Jan. 16.
- Hydraulic toggle press. J. M. Brundage. 1,960,727; May 29.
- Hydraulic transmission gear. R. J. Smith and C. A. Newton. 1,952,570; Mar. 27.
- Hydraulically-controlled valve. E. L. Schellens. 1,947,742; Feb. 20.
- Hydraulically operated machine. R. R. Raber. 1,980,356; Nov. 13.
- Hydrazine, Manufacture of. O. Seuffert and E. Ihwe. 1,959,503; May 22.
- Hydrocarbon and preparation of same, Emulsifiable oxidized. J. Hyman. 1,965,191; July 3.
- Hydrocarbon and producing the same, Polymerized. W. H. Carothers, A. M. Collings, and J. E. Kirby. 1,967,860; July 24.
- Hydrocarbon burner. H. Black. 1,974,702; Sept. 25.
- Hydrocarbon burner. E. H. Johnson. 1,958,046; May 8.
- Hydrocarbon compounds, Purifying. T. T. Gray. 1,952,858; Mar. 27.
- Hydrocarbon conversion process. W. B. Plummer. 1,941,577; Jan. 2.
- Hydrocarbon cracking reaction chamber. J. C. Black. 1,975,071; Oct. 2.
- Hydrocarbon, Cyclohexyl-aromatic. L. F. Martin and G. H. Coleman. 1,969,984; Aug. 14.
- Hydrocarbon derivatives of lead and their preparation. G. Alleman. 1,949,948; Mar. 6.
- Hydrocarbon distillates, Sweetening. J. C. Morrell. 1,968,089; July 31.
- Hydrocarbon, Fluorescent. F. Kuhrmann and O. Siebert. 1,962,564; June 12.
- Hydrocarbon liquids from volatile hydrocarbon gases and vapors, Recovering. M. P. Youker. 1,951,383; Mar. 20.
- Hydrocarbon materials containing sulphurous impurities, Treatment of. H. W. Fisher. 1,944,639; Jan. 23.
- Hydrocarbon materials, Hydrogenation of. C. T. Harding. 1,948,378; Feb. 20.
- Hydrocarbon materials, Refining. W. A. Smith. 1,964,087; June 26.
- Hydrocarbon oils, Process for treating. W. M. Cross. 1,969,502; Aug. 7.
- Hydrocarbon oils, Treatment of. G. Egloff and J. C. Morrell. 1,969,302; Aug. 7.
- Hydrocarbon, Oxidation of mononuclear aromatic. A. O. Jaeger. 1,945,354; Jan. 30.
- Hydrocarbon products, Production of liquid. M. Pier and E. Donath. 1,983,241; Dec. 4.
- Hydrocarbon products, Sweetening. H. T. Bennett. 1,965,821; July 10.
- Hydrocarbon products, Treating. W. Lelgemann. 1,971,190; Aug. 21.
- Hydrocarbon, Stabilized chlorinated aliphatic. L. C. Stewart and L. De Pree. 1,971,318; Aug. 21.
- Hydrocarbon substituted bromophenol. E. Klarmann. 1,969,801; Aug. 14.
- Hydrocarbon vapors, Decolorizing and desulphurizing. J. M. Wadsworth. 1,960,561; May 29.
- Hydrocarbon vapors, Recovering. P. M. Raigorodsky. 1,977,087; Oct. 16.
- Hydrocarbon vapors, Treating. W. F. Sims and V. U. Cloer. 1,948,890; Feb. 27.
- Hydrocarbons and of providing a protective buffer for apparatus, Desulphurizing, decolorizing, deodorizing and degumming. H. T. Darlington. 1,944,170; Jan. 23.
- Hydrocarbons and producing same, Polymerized halogenated. W. H. Carothers, A. M. Collins, and J. E. Kirby. 1,950,438; Mar. 13.
- Hydrocarbons and producing same, Polymerized halogenated. I. Williams. 1,950,436; Mar. 13.
- Hydrocarbons and resulting products, Polymerization of unsaturated. W. S. Calcott, A. S. Carter and F. B. Downing. 1,959,343; May 22.
- Hydrocarbons and waxes, Oxidation of. A. v. Friedolsheim and M. Luther. 1,981,384; Nov. 20.
- Hydrocarbons, Apparatus for carbonization and distillation of solid. G. Komarek. 1,982,523; Nov. 27.
- Hydrocarbons, Apparatus for condensing. J. C. Mahoney. 1,947,863; Feb. 20.
- Hydrocarbons, Apparatus for continuous distillation of heavy. E. A. Barbet. 1,944,057; Jan. 16.
- Hydrocarbons, Apparatus for destructive distillation of. B. Q. P. Foss. 1,982,863; Dec. 4.
- Hydrocarbons, Apparatus for distilling. W. O. Keeling. 1,971,073; Aug. 21.
- Hydrocarbons, Apparatus for refining. F. A. Apgar and K. A. Beach. 1,976,000; Oct. 9.
- Hydrocarbons, Apparatus for treating. H. Magnus. 1,948,072; Feb. 20.
- Hydrocarbons, Art of and apparatus for converting. W. L. Gomory. 1,981,727; Nov. 20.
- Hydrocarbons by action of water, Production of low-boiling. R. T. Haslam. 1,956,573; May 1.

- Hydrocarbons by copper halides, Purifying and sweetening. W. A. Schulze and F. E. Frey. 1,964,220; June 26.
- Hydrocarbons by destructive hydrogenation. Valuable. M. Pier and K. Wissel. 1,963,759; June 19.
- Hydrocarbons by the action of hydrogen at elevated temperatures. Production of low boiling from higher boiling. R. P. Russell. 1,949,632; Mar. 6.
- Hydrocarbons, Chlorinating aliphatic. E. C. Britton, G. H. Coleman, and B. C. Hadler. 1,954,438; Apr. 10.
- Hydrocarbons, Chlorination of gaseous. G. Egloff. 1,950,720; Mar. 13.
- Hydrocarbons, Coking. W. H. Beardsley. 1,958,228; May 8.
- Hydrocarbons containing unsaturated side chains, Manufacture of aromatic. H. Suida. 1,985,844; Dec. 25.
- Hydrocarbons, Conversion of. R. E. Burk. 1,963,517; June 19.
- Hydrocarbons, Conversion of. P. Feiler and H. Haeuber. 1,967,665; July 24.
- Hydrocarbons, Converting. R. E. Burk. 1,963,647; June 19.
- Hydrocarbons, Cracking. W. S. Gullette. 1,959,669; May 22.
- Hydrocarbons, Cracking. W. S. Gullette. 1,985,029; Dec. 18.
- Hydrocarbons, Cracking. E. C. Herthel. 1,962,595; June 12.
- Hydrocarbons, Cracking. E. C. Herthel. 1,981,914; Nov. 27.
- Hydrocarbons, Cracking. E. C. Herthel. 1,983,664; Dec. 11.
- Hydrocarbons, Cracking. E. W. Isom. 1,945,275; Jan. 30.
- Hydrocarbons, Cracking. E. W. Isom. 1,960,909; May 29.
- Hydrocarbons, Cracking. E. W. Isom and E. C. Herthel. 1,960,908; May 29.
- Hydrocarbons, Cracking. E. W. Isom and G. H. Taber, jr. 1,961,693; June 5.
- Hydrocarbons, Cracking. H. L. Pelzer. 1,949,655-6; Mar. 6.
- Hydrocarbons, Cracking. T. D. Tift. 1,981,128; Nov. 20.
- Hydrocarbons, Degumming. T. T. Gray. 1,952,751; Mar. 27.
- Hydrocarbons, Degumming and stabilizing low-boiling. D. R. Stevens and W. A. Gruse. 1,966,467; July 17.
- Hydrocarbons, Distillation of. E. W. Thiele. 1,952,639; Mar. 27.
- Hydrocarbons, etc., Method and apparatus for distillation of. C. G. Stupp. 1,958,450; May 15.
- Hydrocarbons from high boiling point hydrocarbons, Process and apparatus for producing low boiling point. J. C. Black. 1,971,248; Aug. 21.
- Hydrocarbons from higher boiling hydrocarbons, Preparing low boiling. P. L. Young and D. Churchill, jr. 1,955,268; Apr. 17.
- Hydrocarbons from hydrocarbon gases, Production of liquid. H. H. Chesny. 1,965,135; July 3.
- Hydrocarbons from solid carbonizable materials, Deriving liquid. G. F. Michot-Dupont. 1,981,614; Nov. 20.
- Hydrocarbons from varieties of coal, tars, mineral oils, and the like, Production of valuable. M. Pier and E. Hochschwender. 1,970,248; Aug. 14.
- Hydrocarbons, Hydrogenation of. B. Van Voorhees, E. Steffen, and L. W. Parsons. 1,962,792; June 12.
- Hydrocarbons, Hydrolysis of halogenated. J. A. Bertsch. 1,966,281; July 10.
- Hydrocarbons into hydrocarbons of lower molecular weight, Conversion of. F. Winkler and H. Haeuber. 1,973,834; Sept. 18.
- Hydrocarbons into lower boiling compounds, Conversion of. M. H. Tuttle. 1,948,872; Feb. 27.
- Hydrocarbons into those of lower boiling point, Conversion of. H. Engel and J. Jannek. 1,941,884; Jan. 2.
- Hydrocarbons involving the reaction between objectionable sulphur and mercaptan constituents. B. A. Stagner. 1,970,583; Aug. 21.
- Hydrocarbons, Manufacture of crude liquid. C. Krauch, M. Pier, and A. Eisenhut. 1,960,974; May 29.
- Hydrocarbons, Manufacturing halo-fluoro. A. L. Henne. 1,978,840; Oct. 30.
- Hydrocarbons, Method of and apparatus for treating. E. Mutter. 1,973,294; Sept. 11.
- Hydrocarbons of high boiling point into those of lower boiling point, Conversion of. M. Pier. 1,963,254; June 19.
- Hydrocarbons of high boiling point, Production of. H. Haeuber. 1,971,301; Aug. 21.
- Hydrocarbons of low boiling point from those of higher boiling point, Production of. H. W. Strong. 1,951,713; Mar. 20.
- Hydrocarbons or derivatives thereof, Production of hydrogenated aromatic. M. Dunkel, E. Dorner and W. Breuers. 1,965,956; July 10.
- Hydrocarbons, Oxidizing. H. Harter. 1,985,875; Dec. 25.
- Hydrocarbons, Oxidizing. T. Helthaler and E. Peter. 1,947,989; Feb. 20.
- Hydrocarbons, Oxidizing. W. K. Lewis and P. K. Frölich. 1,976,790; Oct. 16.
- Hydrocarbons, Partial oxidation of gaseous. J. E. Bludworth, O. R. Sweeney, and F. C. Vilbrandt. 1,963,070; June 19.
- Hydrocarbons, Polymerization of diene. W. A. Gibbons and E. M. McCole. 1,953,169; Apr. 3.
- Hydrocarbons, Process and apparatus for treating. D. M. Hillis. 1,961,493; June 5.
- Hydrocarbons, Process and apparatus for treating. D. B. Mapes. 1,985,680; Dec. 25.
- Hydrocarbons, Producing low boiling point. J. C. Black. 1,970,553; Aug. 21.
- Hydrocarbons, Production of. F. Winkler and H. Haeuber. 1,945,960; Feb. 6.
- Hydrocarbons, Production of hydroaromatic. M. Pier and W. Simon. 1,960,977; May 29.
- Hydrocarbons, Production of unsaturated. M. Luther and H. Beller. 1,965,962; July 10.
- Hydrocarbons, Production of useful. M. Pier. 1,960,794; May 29.
- Hydrocarbons, Production of valuable. H. G. Grimm and J. Jannek. 1,960,972; May 29.
- Hydrocarbons, Pyrolysis of. F. X. Govers. 1,971,748; Aug. 28.
- Hydrocarbons, Recovering. R. B. Smith. 1,951,885; Mar. 20.
- Hydrocarbons, Refining. F. A. Apgar and K. A. Beach. 1,951,120; Mar. 13.
- Hydrocarbons, Refining. J. D. Fields. 1,959,467; May 22.
- Hydrocarbons, Refining. A. M. Gray. 1,950,140; Mar. 6.
- Hydrocarbons, Refining. R. I. Lewis. 1,957,840; May 8.
- Hydrocarbons, Refining. M. R. Mandelbaum. 1,965,105; July 3.
- Hydrocarbons, Refining apparatus for. G. B. Finch. 1,985,083; Dec. 18.
- Hydrocarbons, Refining liquid. G. C. Connolly and A. F. Wurzbacher. 1,943,583; Jan. 16.
- Hydrocarbons, Refining liquid. R. S. Vose. 1,962,698; June 12.
- Hydrocarbons, Separating. C. O. Young and G. A. Perkins. 1,948,777; Feb. 27.
- Hydrocarbons such as acetylene into higher boiling products, Conversion of unsaturated. M. Hoisász. 1,964,399; June 26.
- Hydrocarbons, System for stabilizing light. J. K. Roberts and G. W. Watts. 1,954,101; Apr. 10.
- Hydrocarbons, Thermal decomposition of. F. M. Pyzel. 1,983,992; Dec. 11.
- Hydrocarbons, Thermally decomposing. C. J. Strosacker and H. S. Kendall. 1,983,415; Dec. 4.
- Hydrocarbons to lighter hydrocarbons, Conversion of. G. F. Forwood. 1,972,013; Aug. 28.
- Hydrocarbons to produce carbon black, Treating. J. A. Guyer. 1,946,739; Feb. 13.
- Hydrocarbons to produce lighter hydrocarbons, Apparatus for cracking heavy. E. W. Isom. 1,961,692; June 5.
- Hydrocarbons, Treating. E. A. Bosing. 1,951,324; Mar. 13.
- Hydrocarbons, Treating. R. E. Burk. 1,950,878; Mar. 13.
- Hydrocarbons, Treating. G. C. Connolly. 1,965,031; July 3.
- Hydrocarbons, Treating. W. M. Cross. 1,971,252; Aug. 21.
- Hydrocarbons, Treating. E. J. Gohr and R. C. Cline. 1,960,207; May 22.
- Hydrocarbons, Treating. H. M. Smith, P. Grandone, and H. T. Rall. 1,967,269; July 24.
- Hydrocarbons, Treating. S. Tijnstra. 1,975,563; Oct. 2.
- Hydrocarbons, Treating. J. D. Zieley. 1,944,483; Jan. 23.
- Hydrocarbons, Treating heavy. A. D. Smith and J. Perl. 1,919,274; Aug. 14.
- Hydrocarbons, Treatment of. E. Ellsberg. 1,963,488; June 19.
- Hydrocarbons, Treatment of. A. Fisher and G. Egloff. 1,963,265; June 19.
- Hydrocarbons, Treatment of. F. I. L. Lawrence. 1,963,092; June 19.
- Hydrocarbons, Treatment of heavy. E. Moehrl. 1,954,573; Apr. 10.
- Hydrocarbons, Treatment of high-boiling. E. Moehrl. 1,963,757; June 19.
- Hydrofertilizer apparatus. J. Dellinger. 1,974,355; Sept. 18.
- Hydrogen and catalyst used in such process, Manufacture of. G. H. Freyermuth. 1,970,695; Aug. 21.
- Hydrogen and nitrogen in determined proportions from natural gas and similar hydrocarbon gases, Obtaining a mixture of. W. D. Wilcox. 1,962,418; June 12.
- Hydrogen cyanide, Producing. T. S. Wheeler. 1,982,407; Nov. 27.
- Hydrogen fluoride, Preparing pure. P. Osswald and O. Scherer. 1,960,347; May 29.
- Hydrogen from gases containing hydrogen and hydrocarbons, Recovery of. E. Hochschwender and M. Josenhaus. 1,977,992; Oct. 23.
- Hydrogen generator for internal combustion engines. J. W. Harrell. 1,966,345; July 10.
- Hydrogen-ion concentration of solutions, Method and apparatus for controlling the. H. S. Martin and T. A. Janney. 1,943,684; Jan. 16.
- Hydrogen peroxide, Manufacturing. M. J. Rentschler. 1,978,551; Oct. 30.
- Hydrogen, Preparation of. A. T. Larson. 1,960,912; May 29.
- Hydrogen, Preparation of. J. C. Woodhouse. 1,960,886; May 29.
- Hydrogen, Preparation of. J. C. Woodhouse. 1,968,063; July 31.
- Hydrogen, Process and apparatus for producing pure. C. J. Wanke. 1,955,780; Apr. 24.

- Hydrogen, Production of. G. Wietzel, W. Haller, and W. Hennicke. 1,957,743; May 8.
- Hydrogen production with particular reference to the hydrogenation of oils. R. T. Haslam. 1,955,290; Apr. 17.
- Hydrogen, Purifying. A. A. Frey. 1,955,328; Apr. 17.
- Hydrogen sulphide from gases, Removal of. C. Eymann. 1,957,253; May 1.
- Hydrogen sulphur and ammonia from gases, Removing. C. J. Hansen. 1,953,478; Apr. 3.
- Hydrogenation and dephlegmation apparatus. M. J. Trumble and W. L. Seeley. 1,948,809; Feb. 27.
- Hydrogenation, Destructive. M. Mueller-Cunrad, O. Elsenhut, and H. Schilling. 1,959,924; May 22.
- Hydrogenation, Destructive. M. Pier and W. Kroenig. 1,984,596; Dec. 18.
- Hydrogenation, Destructive. H. W. Strong. 1,949,089; Feb. 27.
- Hydrogenation processes, Conducting high temperature. R. P. Russell. 1,949,631; Mar. 6.
- Hydrogenation product from 2,2'-dihydroxy- and 2,2'-di-o-acyl-1,1'-dinaphthyl. K. Zahn and H. Koch. 1,955,998; Apr. 24.
- Hydrogenation products of ketones of the pyridine and piperidine series, Making. G. Scheuing and L. Winterbalder. 1,980,638; Nov. 13.
- Hydrogenation system. W. B. Plummer. 1,942,120; Jan. 2.
- Hydrogenation system. R. H. Price. 1,948,732; Feb. 27.
- Hydrogenation system. R. F. Ruthruff. 1,948,736; Feb. 27.
- Hydrogenation system. R. E. Wilson. 1,958,528; May 15.
- Hydrometer float. L. Edelmann. 1,964,145; June 26.
- Hydrometer float. L. Edelmann. 1,972,220; Sept. 4.
- Hydrometer floats, Producing. H. E. Christie and K. W. Couse. 1,958,468; May 15.
- Hydrometer, Recording. J. T. Hayward. 1,971,610; Aug. 28.
- Hydropneumatic bucket cleaner. A. J. Penote. 1,966,597; July 17.
- Hydrostatic infusion apparatus. E. O. White. 1,948,015; Feb. 20.
- Hydroxy aldehydes, Manufacture of aromatic. F. Elger. 1,965,458; July 3.
- Hydroxybenzene-phthaleins, Production of. F. H. Kranz. 1,965,842; July 10.
- Hydroxy-benzo-quinoline-carboxylic acid. L. Laska and O. Haller. 1,942,108; Jan. 2.
- Hydroxydiphenyls, Manufacture of. J. E. Moose. 1,979,116; Oct. 30.
- Hydroxy-ketones, Preparation of. E. C. Britton. 1,961,630; June 5.
- Hydroxyphenylaminopropanols, Preparing. M. Bockmühl, G. Ehrhart, and L. Stein. 1,957,092; May 1.
- Hydroxyquinone compounds, Making. R. J. Anderson and M. S. Newman. 1,984,511; Dec. 18.
- Hydroxy-3,5-di-iodo pyridine-2-carboxylic acid. M. Dohrn and P. Diedrich. 1,950,543; Mar. 13.
- Hygrometer. H. R. Bristol. 1,958,812; May 15.
- Hygrometer. F. B. Bristol. 1,958,813; May 15.
- Hygrometer. F. B. Foster. 1,965,309; July 3.
- Hygrometer. H. Grüss. 1,956,386; Apr. 24.
- Hygrometer. H. Y. Norwood and E. E. Newell. 1,982,752; Dec. 4.
- Hygrometer. L. Reeve. 1,942,934; Jan. 9.
- Hygroscope. R. F. Reed. 1,984,233; Dec. 11.
- Hygroscope control element. F. F. Bahnsen. 1,954,911; Apr. 17.
- Hypnotic preparation. W. G. Christiansen and A. E. Jurist. 1,958,609; May 15.
- Hypodermic case. E. E. Burk. 1,962,760; June 12.
- Hysteresis clock motor. B. E. Lenehan. 1,961,975; June 5.
- Ice and product, Manufacturing block. C. Field. 1,974,043; Sept. 18.
- Ice, Apparatus for receiving and dispensing blocks of. H. W. Clausen. 1,949,040; Feb. 27.
- Ice bag. E. Williamson. 1,964,655; June 26.
- Ice-blocks from an automatic type refrigerator, Obtaining. L. S. Brach. 1,980,571; Nov. 13.
- Ice commercially, Device for producing homogeneous or integrated artificial. W. Newcomb. 1,959,003; May 15.
- Ice cream and container therefor, Combined molded. E. J. Mather. Des. 92,820; July 17.
- Ice cream and like frozen food products, Manufacture of vari-colored. J. P. Goulstone. 1,951,694; Mar. 20.
- Ice cream and other frozen food products, Apparatus for the continuous manufacture of. J. J. Glauser. 1,957,707; May 8.
- Ice cream, Apparatus and method for making. C. Steenstrup. 1,978,176; Oct. 23.
- Ice cream, Apparatus for forming shaped bodies of. C. W. Vogt. 1,965,619; July 10.
- Ice cream branding machine. H. N. Sheppard and S. I. Powell. 1,981,928; Nov. 27.
- Ice cream bricks, Apparatus for preparing composite. E. N. Snodgrass. 1,976,859; Oct. 16.
- Ice cream cone. J. Balton. 1,981,770; Nov. 20.
- Ice cream cone. D. Canter. Des. 91,981-2; Apr. 17.
- Ice cream cone. A. E. Dieterich. Des. 92,886; July 31.
- Ice cream cone. D. J. Jones. 1,942,896; Jan. 9.
- Ice-cream cone. T. H. Keller. Des. 93,410; Sept. 25.
- Ice-cream cone. S. S. Leaf. Des. 91,274; Jan. 2.
- Ice cream cone. S. S. Leaf. Des. 92,010; Apr. 17.
- Ice cream cone. S. S. Leaf. Des. 92,261; May 15.
- Ice cream cone. S. S. Leaf. Des. 92,967; Aug. 7.
- Ice cream cone. S. S. Leaf. Des. 93,627; Oct. 16.
- Ice cream cone or similar article. H. F. Preddy. Des. 93,847; Nov. 13.
- Ice cream confection bar. T. Anagnos. 1,968,732; July 31.
- Ice cream container. A. B. Wilson. 1,953,143; Apr. 3.
- Ice cream freezing device. M. G. Torson. 1,981,009; Nov. 20.
- Ice cream machine. F. X. Sommers. 1,976,894; Oct. 16.
- Ice cream, Making fruit. H. C. Cover. 1,963,938; June 19.
- Ice cream mold. L. S. Marchiony. 1,955,817; Apr. 24.
- Ice cream, Molded. E. J. Mather. Des. 92,819; July 17.
- Ice cream portion, Wrapped. C. W. Vogt. 1,950,643; Mar. 13.
- Ice cream unit for electric refrigerators. C. W. Brecht. 1,984,860; Dec. 18.
- Ice creeper. C. F. Roche. 1,964,442; June 26.
- Ice creeper and guard device, Combination. W. R. League. 1,954,569; Apr. 10.
- Ice crusher. J. K. Matter and L. E. Geiger. Des. 92,015; Apr. 17.
- Ice cubes, Forming. G. Lange. 1,945,230; Jan. 30.
- Ice cubes, Loosening. H. S. Sadtler. 1,980,734; Nov. 13.
- Ice, Device for producing artificial. W. Tamm. 1,966,150; July 10.
- Ice dispensing apparatus. H. W. and P. C. Clausen. 1,949,039; Feb. 27.
- Ice dispensing apparatus. J. S. Rairden. 1,975,973; Oct. 9.
- Ice dispensing machine. M. Dietrich. 1,969,594; Aug. 7.
- Ice, Extending the cooling action of. F. E. Krauss. 1,979,201; Oct. 30.
- Ice fishing mechanism. L. Gloor. 1,973,869; Sept. 18.
- Ice in connection with air conditioning, Use of. L. D. Harnett. 1,983,080; Dec. 4.
- Ice, Making. W. H. Taylor. 1,982,842; Dec. 4.
- Ice, Making. V. Voorhees and H. V. Atwell. 1,976,204; Oct. 9.
- Ice making apparatus. J. A. Martocello. 1,965,081; July 3.
- Ice manufacturing system. J. A. Martocello, sr. 1,961,889; June 5.
- Ice, Method and apparatus for the compressional production of cake. N. H. Gay. 1,963,842; June 19.
- Ice on airplanes and the like, Preventing the formation of. E. A. Driscoll. 1,943,062; Jan. 9.
- Ice scoring machine. B. H. Giles. 1,958,425; May 15.
- Ice scoring machine. E. O. Robinson. 1,947,740; Feb. 20.
- Ice scoring machine. E. O. Robinson. 1,981,331; Nov. 20.
- Ice shaver. K. R. Harmon. 1,974,025; Sept. 18.
- Ice tray heater. J. G. Blystone. 1,977,608; Oct. 23.
- Ice vending machine. H. N. Royden. 1,985,518; Dec. 25.
- Icer, Car. J. C. Rear. 1,978,226; Oct. 23.
- Ices, Device for the making of edible. E. E. Lindsey. 1,965,901; July 10.
- Identification apparatus. A. H. Meyer. 1,978,500; Oct. 30.
- Identification device. B. H. Stine. 1,952,478; Mar. 27.
- Identification means for tools. G. L. Murray. 1,984,839; Dec. 18.
- Identification tag fasteners, Inserting. G. E. Gaus. 1,968,937; Aug. 7.
- Identifier and key hole light, Combination house illuminated. F. Remington. 1,961,865; June 5.
- Idler, Adjustable tightening. C. B. Curtiss. 1,971,551; Aug. 28.
- Idler roll. M. J. Andrada and J. J. Fairbairn. 1,958,412; May 15.
- Igniter for coal furnaces. A. Shearman. 1,945,708; Feb. 6.
- Igniter for gas burners. O. J. Leins. 1,968,561; July 31.
- Igniter for oil stoves. A. Ruttman. 1,976,144; Oct. 9.
- Igniter hoods, Making. W. F. Baresch. 1,977,113; Oct. 16.
- Igniting composition, especially for matches, and match prepared therewith, Moistureproof. S. H. Ledin. 1,942,866; Jan. 9.
- Igniting device. J. R. Ayotte. 1,981,022; Nov. 20.
- Igniting device. I. Pelzner. 1,956,455; Apr. 24.
- Igniting device for cigar lighters. J. H. Cohen. 1,944,922; Jan. 30.
- Igniting system for smudge pots. R. H. Dart. 1,957,701; May 8.
- Ignition and battery lock, Electric. C. L. Vick and N. Adams. 1,968,726; July 31.
- Ignition and mixture compressing internal combustion engine, Method of. G. Fuchs and H. Spath. 1,973,979; Sept. 18.
- Ignition apparatus. C. H. Davis, jr. 1,967,078-9; July 17.
- Ignition apparatus. C. H. Davis, jr. 1,978,696; Oct. 30.
- Ignition apparatus. C. H. Davis, jr. 1,983,072; Dec. 4.
- Ignition apparatus. L. B. Ehrlich. 1,978,380; Oct. 23.
- Ignition apparatus. H. L. Hartzell. 1,971,406; Aug. 28.
- Ignition apparatus. H. L. Hartzell. 1,981,041; Nov. 20.
- Ignition apparatus, Magnetolectric. W. Walther. 1,957,399; May 1.
- Ignition chamber for explosive motors. H. F. McKnight. 1,959,541; May 22.
- Ignition circuit and other lock. V. L. Gilpin. 1,945,527; Feb. 6.
- Ignition coil. L. B. Ehrlich. 1,963,016; June 12.
- Ignition coil and distributor assembly. M. Mallory. 1,976,178; Oct. 9.
- Ignition composition. H. A. Lewis. 1,964,825; July 3.
- Ignition composition. C. P. Spaeth. 1,984,846; Dec. 18.
- Ignition controller. J. L. Arthur. 1,969,682; Aug. 7.

- Ignition device. H. L. Hartzell. 1,953,174; Apr. 3.
- Ignition device. E. B. Nowosielski. 1,962,968; June 12.
- Ignition device. L. Rivier. 1,981,330; Nov. 20.
- Ignition device. W. W. Stuart. 1,958,773; May 15.
- Ignition device for high-power arc lamps. H. Beck. 1,968,011; July 31.
- Ignition device for internal combustion engines. H. O. Johnson. 1,957,541; May 8.
- Ignition distributor. J. T. Fitzsimmons. 1,956,882; Apr. 24.
- Ignition distributor. G. Wagenlander. 1,966,838; July 17.
- Ignition distributor and timing same. H. Ford. 1,963,657; June 19.
- Ignition distributor for internal combustion engines. W. Walther. 1,953,913; Apr. 3.
- Ignition distributor rotor. J. L. Arthur. 1,981,021; Nov. 20.
- Ignition feeler, Electric. M. M. Karr. 1,952,259; Mar. 27.
- Ignition for internal combustion engines. Double. W. Walther and A. Grob. 1,964,698; June 26.
- Ignition governor. M. Mallory. 1,967,445; July 24.
- Ignition interference suppression. J. M. Miller. 1,971,497; Aug. 28.
- Ignition magneto. L. Beeh. 1,944,590; Jan. 23.
- Ignition mechanism. E. B. Nowosielski. 1,965,534; July 3.
- Ignition, Oil burner electrical. E. D. Harrington. 1,957,207; May 1.
- Ignition point file. R. Nakano. 1,949,128; Feb. 27.
- Ignition spark timer and controller for internal combustion engines. C. P. L. and M. P. L. Noxon. 1,964,132; June 26.
- Ignition stick. F. Ringer. 1,941,621; Jan. 2.
- Ignition switch. N. W. Waggoner. 1,973,831; Sept. 18.
- Ignition system. J. L. Arthur. 1,957,127; May 1.
- Ignition system. W. F. Cotter and L. P. Kongsted. 1,968,930; Aug. 7.
- Ignition system. L. M. Perkins. 1,960,919; May 29.
- Ignition system. A. Rehm, W. Dorn, and E. Lang. 1,957,896; May 1.
- Ignition system. C. E. Vawter. 1,955,519; Apr. 17.
- Ignition system, Auxiliary. R. G. Klingler. 1,948,925; Feb. 27.
- Ignition system for combustion engines. P. Talmey. 1,948,974; Feb. 27.
- Ignition system for internal combustion engines. B. T. Holman. 1,975,748; Oct. 2.
- Ignition system of an operating internal combustion engine, Apparatus for and testing the condition of the high-tension. W. E. Brown and L. S. Brach. 1,983,341; Dec. 4.
- Ignition system tester. J. F. O'Brien. 1,968,464; July 31.
- Ignition tester. F. Bartels. 1,946,518; Feb. 13.
- Ignition timer. J. T. Fitzsimmons. 1,983,794; Dec. 11.
- Ignition timer. J. F. Martin. 1,978,161; Oct. 23.
- Ignition timer. W. E. Schwarzmann. 1,965,224; July 31.
- Illuminated case. K. C. Welch. 1,977,029; Oct. 16.
- Illuminated connector. N. E. Folen. 1,955,418; Apr. 17.
- Illuminated display case. N. P. Beck. 1,964,713; July 3.
- Illuminated game board. W. A. Fuld. 1,951,973; Mar. 20.
- Illuminated sign. S. and J. Corbman. 1,980,665; Nov. 13.
- Illuminated sign. H. J. Cudney. 1,976,836; Oct. 16.
- Illuminated sign. H. J. Force. 1,955,179; Apr. 17.
- Illuminated sign. G. R. Frey and W. A. Maxwell. 1,953,555; Apr. 3.
- Illuminated sign. T. J. D. Fuller, jr. 1,950,548; Mar. 13.
- Illuminated sign. W. H. Harrington and A. H. Nero. 1,975,690; Oct. 2.
- Illuminated sign. S. Sechi. 1,977,093; Oct. 16.
- Illuminated sign. R. B. and W. K. Wiley, and H. J. Cudney. 1,942,626; Jan. 9.
- Illuminated sign. H. T. Witshire. 1,956,185; Apr. 24.
- Illuminated signal. F. I. Getty. 1,972,090; Sept. 4.
- Illuminating, advertising, display, and demonstrating sign. T. B. Stephenson. 1,979,776; Nov. 6.
- Illuminating and flood lamp, Combined. R. E. Crossley. 1,954,167; Apr. 10.
- Illuminating apparatus. A. J. Baker. 1,963,608; June 19.
- Illuminating apparatus. P. S. Strang. 1,945,832; Feb. 6.
- Illuminating attachment. V. E. English. 1,947,763; Feb. 20.
- Illuminating device. E. C. Appold. 1,965,874; July 10.
- Illuminating device. R. E. Barclay. 1,963,962; June 26.
- Illuminating device. R. E. Barclay. 1,974,888; Sept. 25.
- Illuminating device. J. F. Coulter. 1,971,599; Aug. 28.
- Illuminating device. M. P. Duplessis. 1,960,621; May 29.
- Illuminating device. G. C. Lynch. 1,974,078; Sept. 18.
- Illuminating device. L. Rivier. 1,981,328; Nov. 20.
- Illuminating device for goffered films. R. Berthon. 1,985,398; Dec. 25.
- Illuminating device for hydrometers, Adjustable. G. R. Carlson. 1,973,140; Sept. 11.
- Illumination device for microscopes. H. Siedentopf. 1,960,554; May 29.
- Illuminating device for microscopes. R. Straubel. 1,951,636; Mar. 20.
- Illuminating device for table tops. R. A. Hull. 1,956,796; May 1.
- Illuminating device for telephones. Y. I. Miyematsu. 1,971,272; Aug. 21.
- Illuminating device, High powered. M. Adams and R. F. Howe. 1,963,949; June 26.
- Illuminating device, Objective. F. W. Brehm. 1,963,289; June 19.
- Illuminating means, Driver's signaling arm. J. L. L. Hall. 1,974,648; Sept. 25.
- Illuminating system. J. A. Coy. 1,972,856; Sept. 11.
- Illuminating telephone dials and directories. J. G. Hunter. 1,969,306; Aug. 7.
- Illuminating unit. A. F. Martin. 1,978,907; Oct. 30.
- Illuminating unit, Decorative. M. A. Yohe. Des. 91,342; Jan. 9.
- Illumination and particularly to apparatus therefor, System in. M. H. Greenewalt. 1,949,101; Feb. 27.
- Illumination apparatus. I. A. Yost. 1,948,690; Feb. 27.
- Illumination control apparatus. E. B. Kirk. 1,965,654; July 10.
- Illumination, Decorative. J. W. Shaw. 1,956,630; May 1.
- Illumination designator for lamps. D. F. Parrish. 1,952,983; Mar. 27.
- Illumination system. W. Bauersfeld. 1,985,074; Dec. 18.
- Illuminator. L. A. Sherman. 1,960,288; May 29.
- Illuminator for automobiles. C. Rizzo. 1,946,916; Feb. 13.
- Illuminator, Solid surface area. T. H. Nakken. 1,955,084; Apr. 17.
- Illuminator, Water gauge. F. W. Miller. 1,967,477; July 24.
- Image broadcasting system. W. G. H. Finch. 1,985,654; Dec. 25.
- Image frequency suppression for superheterodyne receivers. G. Mountjoy. 1,976,958; Oct. 16.
- Image-plate holding chamber for image-measuring devices. O. von Gruber and F. Pfeiffer. 1,983,328; Dec. 4.
- Image turning attachment for cameras. O. C. Gilmore. 1,958,617; May 15.
- Images and characters, Electrochemically producing stable. V. Bausch, jr. 1,970,539; Aug. 21.
- Images, Coloring silver. R. Kaufhold. 1,974,334; Sept. 18.
- Images in a single photographic emulsion layer, Producing a plurality of colored. M. W. Seymour and R. L. Burwell, jr. 1,976,301; Oct. 9.
- Images in natural colors, Bichromatic recording and projection of. G. Gualtierotti. 1,955,804; Apr. 24.
- Immersion unit, Self-protecting. F. E. Finlayson. 1,974,302; Sept. 18.
- Impact device. L. K. Davis. 1,984,117; Dec. 11.
- Impact producing device. S. Wakstein. 1,977,362; Oct. 16.
- Impact-producing implement. L. S. Handig. 1,944,006; Jan. 16.
- Impact recorder. W. Supper. 1,975,183; Oct. 2.
- Impact testing machine. N. Warshaw and H. B. Shepard. 1,984,904; Dec. 18.
- Impact testing machine. K. Yuasha. 1,985,478; Dec. 25.
- Impact testing mechanism, Torsional. G. V. Luerssen and O. V. Greene. 1,962,604; June 12.
- Impact tool. H. C. Hayes. 1,966,446; July 17.
- Impedance control, synchronization. E. S. Purington. 1,963,246; June 19.
- Impedance device, Neutral. S. B. Griscom. 1,963,166; June 19.
- Impedance element for protective relay systems. L. N. Crichton and H. C. Graves, jr. 1,967,201; July 17.
- Impedance transformer. E. J. Sterba. 1,963,723; June 19.
- Impeller. S. Heath. 1,972,634; Sept. 4.
- Impeller. H. Mueller. 1,955,929; Apr. 24.
- Impeller and shaft therefor use in centrifugal and turbine pumps. N. Pizzuto. 1,947,658; Feb. 20.
- Implement attachment for tractors. A. C. Lindgren. 1,960,269; May 29.
- Implement for cleaning tubular members. H. J. Miller. 1,965,128; July 3.
- Implement for drawing track rails to gauge. W. E. Brown. 1,954,984; Apr. 17.
- Implement for tractors, Side connected. G. M. Kriegbaum and C. C. Haas. 1,952,503; Mar. 27.
- Implement for treating fur, Hand. S. Friedman. 1,979,030; Oct. 30.
- Implement hitch. E. Grist. 1,965,495; July 3.
- Implement retainer. R. O. Allen. 1,982,278; Nov. 27.
- Implement to clean textiles. E. Heckert. 1,957,591; May 8.
- Impregnated and superficially smoothed articles. L. Kollek and W. Engels. 1,942,146; Jan. 2.
- Impregnated fibrous block. G. J. Ward. 1,941,769; Jan. 2.
- Impregnated sheet products. G. A. Richter. 1,972,055; Aug. 28.
- Impregnation and product obtained thereby. W. S. Calcott, A. S. Carter, and F. B. Downing. 1,950,430; Mar. 13.
- Impregnation of articles by centrifugal means. W. A. Hyde. 1,981,453; Nov. 20.
- Impressions of feet, Apparatus for use in taking. W. L. Baxter. 1,981,941; Nov. 27.
- Impressions of finger prints, Transferring. H. E. Pitman. 1,951,203; Mar. 13.
- Impulse generator. A. Brasch, F. Lange, and M. Dahl. 1,957,008; May 1.
- Impulse repeater. J. I. Bellamy. 1,944,704; Jan. 23.
- Impulse summation apparatus. H. H. Clayton. 1,956,413; Apr. 24.
- Impulse testing device. F. Kuchas. 1,976,503; Oct. 9.
- Impulse transmitter. W. R. Davis. 1,980,190; Nov. 13.
- Impulse transmitter. L. Kardorff. 1,965,121; July 3.
- Impulse transmitting device. L. Kardorff. 1,965,122; July 3.

- Impulse voltage testing of electrical apparatus. F. J. Vogel. 1,957,806; May 1.
- Impurities from liquids, Separation of finely divided. R. Wietzel and B. Engel. 1,945,583; Feb. 6.
- Impurities from metallurgical solutions, Removing. E. C. Pitzer. 1,979,229; Oct. 30.
- Impurities from mineral raw materials, Extracting. R. Stauffer and K. Konopicky. 1,959,448; May 22.
- Impurities from oils and fats, Removing. A. Freiburg. 1,964,875; July 3.
- Incandescent electric lamp. H. E. Allen. 1,953,456; Apr. 3.
- Incandescent lamp. G. W. Pedersen. Des. 91,722; Mar. 13.
- Incandescent lamp, Electric. A. W. Genrich. 1,977,124; Oct. 16.
- Incense burner. E. F. Jones. 1,973,958; Sept. 18.
- Incense burner. P. D. Lowell. 1,969,756; Aug. 14.
- Incinerating plant. I. S. Osborn. 1,974,250; Sept. 18.
- Incinerator. H. B. Abel. 1,963,574; June 19.
- Incinerator. J. G. Fahlstrom. 1,947,836; Feb. 20.
- Incinerator. H. C. Maul. 1,943,132; Jan. 9.
- Incinerator. A. M. Naulin. 1,978,472; Oct. 30.
- Incinerator. J. F. Perky. 1,975,403; Oct. 2.
- Incinerator. E. Sargent. 1,978,602; Oct. 30.
- Incinerator. B. F. Shaughnessy. 1,972,429; Sept. 4.
- Incinerator. E. I. Staples. 1,952,389; Mar. 27.
- Incinerator and dump cart, Leaf. H. O. Bates. 1,970,727; Aug. 21.
- Incinerator and water heater, Automatic gas fired. E. Johnston. 1,957,067; May 1.
- Incinerator furnace, High temperature. E. G. Bailey. 1,973,697; Sept. 18.
- Inclination, Device for indicating. T. L. Lynch, H. L. Rilling, and H. A. Redfield. 1,979,481; Nov. 6.
- Inclination gauge. D. S. Klauder, jr. 1,980,487; Nov. 13.
- Inclination recording instrument for rotary strings. C. R. Dale and L. C. Nielson. 1,976,216; Oct. 9.
- Inclination recording mechanism for oil wells. O. A. Cavins. 1,962,634; June 12.
- Inclinometer. R. Micek. 1,957,897; May 8.
- Inclinometer. G. H. Reid. 1,958,314; May 8.
- Inclinometer, Adjustable. V. C. Bryant. 1,970,883; Aug. 21.
- Inclinometer for aircraft, Gyroscopic. A. Hoffmann. 1,954,998; Apr. 17.
- Inclinometer for airplanes. G. C. Bouchard. 1,948,612; Feb. 27.
- Inclinometer for airplanes. C. O. Fritsch. 1,966,714; July 17.
- Inclosure for radiators. F. E. Seeley. 1,974,380; Sept. 18.
- Inclosures, Apparatus for cooling. W. J. Madden. 1,975,165; Oct. 2.
- Incompatibles, Combination of two. C. B. Strauch. 1,960,858; May 29.
- Increasing the production of deep wells. H. L. McMillen. 1,989,230; Aug. 7.
- Increment measuring instrument. R. L. Swenson. 1,981,713; Nov. 20.
- Incubator. E. T. Abendroth. 1,943,575; Jan. 16.
- Incubator. J. C. Bohmker. 1,977,905; Oct. 23.
- Incubator. J. F. MacKay. 1,952,599; Mar. 27.
- Incubator. C. A. Schaefer. 1,968,355; July 31.
- Incubator, Baby. E. F. Hoffman. 1,947,007; Feb. 13.
- Incubator for batching or incubating eggs. J. W. Bridge. 1,976,159; Oct. 9.
- Indanthrones, Production of. O. M. Bishop and M. A. Perkins. 1,975,248; Oct. 2.
- Indene, Recovery of. L. Kahl. 1,943,078; Jan. 9.
- Index, Card. D. H. Linn. 1,955,592; Apr. 17.
- Index, Card. M. Steinberg. 1,966,742; July 17.
- Index, Card. E. Thieme, geboren Overhoff. 1,952,298; Mar. 27.
- Index, Card. J. H. Weatherford. 1,966,570; July 17.
- Index card member and method of making. B. G. Rand. 1,978,386; Oct. 23.
- Index combination lock, Rotating. S. Pelle. 1,957,846; May 8.
- Index container. C. A. Finley. 1,964,346; June 26.
- Index device. F. R. Erbsloh. 1,976,012; Oct. 9.
- Index device. S. B. Freiberg. 1,942,510; Jan. 9.
- Index file panel, Visible. B. G. Rand. 1,963,806; June 19.
- Index for guide cards. W. Hoge. 1,969,403; Aug. 7.
- Index, Key finding. A. Reil. 1,948,358; Feb. 20.
- Index mechanism, Table. J. F. Buhr. 1,946,835; Feb. 13.
- Index member for files of the overlapping visible index type. F. Kraenicke. 1,953,017; Mar. 27.
- Index or record, Visible. F. D. Powell. 1,957,800; May 8.
- Index point sorter, Combinational. E. E. Ford. 1,946,904; Feb. 13.
- Index tab. F. A. Pettis. 1,961,079; May 29.
- Index tab and guide. J. H. Rand. 1,975,662; Oct. 2.
- Index, Telephone. D. Bently. 1,955,573; Apr. 17.
- Index, Visible. W. G. Tager. 1,974,902; Sept. 25.
- Indexing and control mechanism for a metal working machine. E. J. Kinsbury and G. Swahnberg. 1,975,005; Sept. 25.
- Indexing and control mechanism for independent metal working units. E. J. Kinsbury and J. E. Anderson. 1,975,006; Sept. 25.
- Indexing device. J. Verderber. 1,956,883; May 1.
- Indexing device. H. H. Wolf. 1,985,477; Dec. 25.
- Indexing device, Automatic. H. Schicht. 1,966,314; July 10.
- Indexing mechanism. R. J. Bullows. 1,965,541; July 3.
- Indexing mechanism. E. P. Burrell. 1,953,876; Apr. 3.
- Indexing mechanism. M. Haas. 1,964,351; June 26.
- Indexing mechanism for automatic drilling machines and the like. R. M. Lovejoy. 1,947,348; Feb. 13.
- Indexing mechanism, Hydraulically actuated. A. M. Johnson and C. O. Holland. 1,942,927; Jan. 9.
- Indexing or dividing mechanism for machine tools. R. J. Bullows. 1,973,329; Sept. 11.
- Indicating and metering apparatus for liquid dispensers. B. J. Pepper. 1,957,412; May 1.
- Indicating apparatus, such as clocks, barometers, meters, and the like. R. Melik-Minassiantz. 1,966,992; July 17.
- Indicating control device. W. E. Smith. 1,963,722; June 19.
- Indicating control means. W. L. Carlson. 1,964,449; June 26.
- Indicating device. A. G. Blaylock. 1,949,141; Feb. 27.
- Indicating device. H. L. King. 1,953,614; Apr. 3.
- Indicating device. A. Knotz. 1,960,636; May 29.
- Indicating device or the like. J. D. Taylor. 1,972,205; Sept. 4.
- Indicating fuse plug. W. H. Ginder. 1,944,145; Jan. 16.
- Indicating instrument. R. M. Smith. 1,959,771; May 22.
- Indicating limit plug gauge. E. H. Aldeborgh and A. H. Emery. 1,972,124; Sept. 4.
- Indicating meter. R. S. Tour. 1,962,849; June 12.
- Indicating signaling device. D. Canady. 1,982,133; Nov. 27.
- Indicating switch. R. Burkle. 1,962,125; June 12.
- Indicating system. C. E. Stewart. 1,945,666; Feb. 6.
- Indicating system for welding machines. W. E. Crawford. 1,948,337; Feb. 20.
- Indicator. See—
- Adjustment indicator.
 - Aircraft altitude indicator.
 - Aircraft indicator.
 - Automobile indicator.
 - Automobile traffic indicator.
 - Basket ball goal indicator.
 - Bore-hole position indicator.
 - Brake condition indicator.
 - Brake temperature indicator.
 - Bridge score indicator.
 - Dial indicator.
 - Direction indicator.
 - Door lock indicator.
 - Drift angle indicator.
 - Electric indicator.
 - Electric ticket indicator.
 - Electrolyte level indicator.
 - Flight indicator.
 - Flow indicator.
 - Fluid flow indicator.
 - Fuse integrity indicator.
 - Gasoline tank filler indicator.
 - Golf drive indicator.
 - Gravity indicator.
 - Ground speed and drift indicator.
 - Hand-operated indicator.
 - Headlight indicator.
 - Highway path indicator.
 - Hot-box indicator.
 - Humidity indicator.
 - Instrument adjustment indicator.
 - Key indicator.
 - Lamp failure indicator.
 - Lead and angle indicator.
 - Length measuring indicator.
 - Level indicator.
 - Liquid flow indicator.
 - Liquid level indicator.
 - Lubrication indicator.
 - Magnetic steering indicator.
 - Map and route indicator.
 - Mercury boiler level indicator.
 - Model selector and style indicator.
 - Oil mileage indicator.
 - Parking indicator.
 - Perpetual date indicator.
 - Pointer type course indicator.
 - Police indicator.
 - Position indicator.
 - Potentiometric indicator.
 - Pressure indicator.
 - Price indicator.
 - Radio signal indicator.
 - Relative speed indicator.
 - Remote temperature indicator.
 - Sludge level indicator.
 - Smoke and combustion indicator.
 - Specific gravity indicator.
 - Speed and drift indicator.
 - Steering wheel alignment indicator.
 - Stock indicator.
 - Switch position indicator.
 - Tank level indicator.
 - Temperature indicator.
 - Test indicator.
 - Time indicator.
 - Time internal indicator.
 - Tire deflation indicator.
 - Tire pressure indicator.
 - Torque indicator.
 - Tuning indicator.
 - Turn indicator.
 - Vehicle direction indicator.
 - Vehicle position indicator.
 - Vehicle signal indicator.
 - Vibration indicator.
 - Visible flow indicator.
 - Water indicator.
 - Wheel position indicator.
 - Wheel slide thrust indicator.
 - Wind indicator.
- Indicator. W. J. Blanchard. 1,958,261; May 8.
- Indicator. I. Chesler. 1,965,068; July 3.
- Indicator. R. A. Elliott. 1,948,493; Feb. 27.
- Indicator. H. A. Gates. 1,944,554; Jan. 23.
- Indicator. A. Hart. Des. 92,653; July 3.
- Indicator. R. M. Hicks. 1,965,376; July 3.
- Indicator. J. G. Sisson. 1,953,028; Mar. 27.
- Indicator. A. L. Stenwedel. Des. 93,364; Sept. 18.
- Indicator. A. L. Stenwedel. Des. 94,057; Dec. 11.
- Indicator. R. F. L. Tete. 1,971,996; Aug. 28.
- Indicator. B. G. Wardenburg. 1,945,456; Jan. 30.
- Indicator attachment, Dial test. C. R. Morrison. 1,960,751; May 29.
- Indicator for aircraft. J. S. Bennett. 1,941,533; Jan. 2.
- Indicator for aircraft, Flight level. F. D. Warren. 1,958,456; May 15.
- Indicator for airplane landing fields. Wind direction and velocity. W. H. Frank and T. Carroll. 1,960,735; May 29.
- Indicator for card tables. W. Smith. 1,947,067; Feb. 13.
- Indicator for chronometers and the like. F. R. Smith. 1,979,289; Nov. 6.

- Indicator for dry pipe sprinkler systems. A. C. Rowley. 1,957,357; May 1.
- Indicator for electrical heating appliances. E. Tomsche. 1,946,246; Feb. 6.
- Indicator for electrically driven instruments and clocks. E. P. Henry. 1,956,028; Apr. 24.
- Indicator for electrolyte of storage batteries, Low level. J. A. Flynn. 1,963,123; June 19.
- Indicator for measuring instruments, Luminous. G. Bucky. 1,949,600; Mar. 6.
- Indicator for scales. H. E. McCrery. 1,978,215; Oct. 23.
- Indicator for storage batteries. F. E. E. Booss. 1,978,185; Oct. 23.
- Indicator mechanism for internal combustion engines. W. M. Kauffmann. 1,972,228; Sept. 4.
- Indicator with a common dial, Sectional multiple. C. H. Deerwester. 1,960,241; May 29.
- Indicia indicator and register for impulse transmitting devices. W. Greenberg. 1,966,118; July 10.
- Indicia to rounded surfaces of small radius, Applying. G. W. Angerstein. 1,972,854; Sept. 11.
- Indigo, Manufacture of leuco. K. H. Saunders. 1,978,820; Oct. 30.
- Indirect lighting lamp. J. R. Salisbury and J. H. Kremer. 1,973,661; Sept. 11.
- Inductance device, Variable. W. J. Polydoroff. 1,978,599; Oct. 30.
- Inductance having a self-induction independent of temperature. M. Osnos. 1,967,589; July 24.
- Inductance, High-frequency. A. Crossley and C. C. Neighbors. 1,978,568; Oct. 30.
- Inductance system. L. A. Gebhard. Re19,371; Nov. 13.
- Induction electric furnace. H. Ilberg. 1,977,388; Oct. 16.
- Induction electric furnace. E. F. Northrup. 1,951,881; Mar. 20.
- Induction electric furnace. E. F. Northrup. 1,961,621; June 5.
- Induction furnace. W. Rohn. 1,983,242; Dec. 4.
- Induction heated furnace. V. J. C. Sorrel. 1,975,487; Oct. 2.
- Induction heating and welding apparatus. J. L. Adams, jr. 1,966,534; July 17.
- Induction meter. H. Fröhlich, T. Hausch, and W. Zingg. 1,942,164; Jan. 2.
- Induction meter. E. Spahn. 1,976,898; Oct. 16.
- Induction motor. W. Barlow. 1,957,380; May 1.
- Induction motor. C. R. Boothby and H. D. Else. 1,976,598; Oct. 9.
- Induction motor. W. Dolgoff. 1,968,996; Aug. 7.
- Induction motor. E. D. Lilja. 1,949,968; Mar. 6.
- Induction motor. E. P. Oswald. 1,974,344; Sept. 18.
- Induction motor. J. R. Price. 1,952,220; Mar. 27.
- Induction motor, Line-start. C. E. Johnson. 1,942,649; Jan. 9.
- Induction relay, Automatic. M. A. Walker. 1,962,795; June 12.
- Induction system for carbureted two-cycle engines. F. G. Shoemaker. 1,967,069; July 17.
- Induction welder. J. L. Adams, jr. 1,941,526; Jan. 2.
- Inductor, Variable. P. F. Scofield. 1,977,291; Oct. 16.
- Industrial process, Apparatus for controlling. E. B. Foote. 1,949,199; Feb. 27.
- Inertia governor. W. Eccles. 1,948,416; Feb. 20.
- Infants, Attachment for bathing. P. H. Wells. 1,950,709; Mar. 13.
- Infant's chair. G. M. McCoy. 1,967,096; July 17.
- Inflammable composition, Making an. H. M. Minnice. 1,947,790; Feb. 20.
- Inflatable articles, Apparatus for making. T. H. Williams and C. S. Moomy. 1,943,996; Jan. 16.
- Inflating and life saving device. G. A. Evenden and G. F. Wilson. 1,978,104; Oct. 23.
- Inflating coupling. J. Wahl. 1,974,476; Sept. 25.
- Inflow controlling and fluid discharge means, Combination. M. S. Young and A. Novick. 1,947,575; Feb. 20.
- Inflow controlling and fluid discharge means, Combination. M. S. Young and A. Novick. 1,979,850; Nov. 6.
- Infolding machine. W. L. Dixon and J. H. Pikul. 1,949,411; Mar. 6.
- Infra-red ray converter. F. J. Markosek. 1,969,852; Aug. 14.
- Infusion apparatus. C. E. Pain, jr. 1,960,417; May 29.
- Infusion device. C. T. Johnson. 1,943,386; Jan. 16.
- Ingot. J. Schmeller, sr. 1,950,633; Mar. 13.
- Ingot buggy. A. Theologus. 1,962,848; June 12.
- Ingot casting method. H. C. Snook. 1,961,399; June 5.
- Ingot mold and ingot. E. L. Farabaugh. 1,973,374; Sept. 11.
- Ingot molds, Apparatus for stripping. K. H. McLaurin. 1,963,307; June 19.
- Ingots, blooms, bars, etc., Method of and apparatus for casting. M. G. Dumas. 1,973,893; Sept. 18.
- Ingots, Casting. A. R. Rowe. 1,961,529; June 5.
- Ingots, Casting. N. F. S. Russell and F. C. Langenberg. 1,982,763; Dec. 4.
- Ingots, Casting of. A. Q. Carnegie, H. M. Duncan, and C. A. Parsons. 1,976,215; Oct. 9.
- Ingots, Casting of. A. Q. Carnegie, H. M. Duncan, and C. A. Parsons. 1,976,386; Oct. 9.
- Ingots from ingot molds, Apparatus for stripping. E. Gathmann. Re19,086; Feb. 20.
- Ingots, Producing. E. Gathmann. 1,978,996; Oct. 30.
- Ingots, Treating cast hollow. J. C. Siegle. 1,945,087; Jan. 30.
- Inhaler. L. H. Morin. Des. 91,837; Mar. 27.
- Inhaler. H. M. Thometz. 1,985,001; Dec. 18.
- Inhaling device. T. Schwedenberg and R. Auerbach. 1,984,159; Dec. 11.
- Inhibiting process and product. O. D. Cunningham. 1,961,096-7; May 29.
- Inhibiting the corrosive action of alkaline aqueous solutions, etc. I. Stone. 1,968,722; July 31.
- Inhibitor for metal pickling baths. D. H. Tompkins. 1,971,736; Aug. 28.
- Inhibitor for nitriding processes. H. A. Eckman and H. W. Maack. 1,980,670; Nov. 13.
- Initial and insignia device, Ornamental. E. S. Mix. 1,980,075; Nov. 6.
- Initial and percussion composition, Combined. W. Eschbach and H. Wippenhohn. 1,968,134; July 31.
- Initial centering device and method. G. C. Beck. 1,980,975; Nov. 20.
- Injection engine. F. Lang. 1,941,805-6; Jan. 2.
- Injection engine. F. Lang. 1,944,352; Jan. 23.
- Injection engine. F. Lang. 1,944,605; Jan. 23.
- Injection engine. L. Y. Spear. 1,945,334; Jan. 30.
- Injector. J. F. Griffin. 1,983,365; Dec. 4.
- Injector. E. Henkel. 1,975,509; Oct. 2.
- Injector. K. E. Lyman. 1,973,215; Sept. 11.
- Injector. F. Ritz. 1,944,371; Jan. 23.
- Injector. P. L. Scott. 1,947,573; Feb. 20.
- Injector. P. L. Scott. 1,976,040; Oct. 9.
- Injector. L. J. Vetrano. 1,982,128; Nov. 27.
- Injector for feeding locomotives or other boilers. H. Deutsch. 1,963,295; June 19.
- Injector for internal combustion engines. F. G. Hehr. 1,985,289; Dec. 25.
- Injector valve. J. L. Taylor. 1,969,954; Aug. 14.
- Ink composition, Lithographic. J. V. Mehl. 1,958,311; May 8.
- Ink dispensing apparatus. K. H. Pond. 1,960,549; May 29.
- Ink distributing mechanism for printing machines. T. E. Phythian. 1,969,942; Aug. 14.
- Ink distributor. G. A. Skidmore, F. R. Mollitor, and J. F. De Mott. 1,985,112; Dec. 18.
- Ink double-rolling control. H. T. Quigley. 1,942,490; Jan. 9.
- Ink feeder for printing presses, etc. W. Kline. 1,965,596; July 10.
- Ink fountain for printing presses. O. R. Wolf. 1,983,115; Dec. 4.
- Ink from paper, Method and apparatus for removing. S. D. Wells. 1,962,164; June 12.
- Ink, Intaglio printing. H. Kurz and K. Albert. 1,962,823; June 12.
- Ink pad. A. Reich. 1,966,767; July 17.
- Ink, Printing. J. F. Jirousek. 1,954,627; Apr. 10.
- Ink records, Making. E. M. Price. 1,972,313; Sept. 4.
- Ink remover. R. H. McKee and F. A. Hessel. 1,968,304; July 31.
- Ink ribbon feed and reversing mechanism. C. G. Kranz. 1,971,568; Aug. 28.
- Ink ribbon feeding and reversing mechanism. E. C. Hartley. 1,980,723; Nov. 13.
- Ink roller. J. E. Hagstrom. 1,980,402; Nov. 13.
- Ink transfer members, Method of and apparatus for producing. G. E. Pelton. 1,960,647; May 29.
- Inkwell. P. Gerschel. 1,963,785; June 19.
- Inkwell. G. J. Sengbusch. 1,949,493; Mar. 6.
- Ink well attachment for desks. F. R. Purves. 1,972,202; Sept. 4.
- Inkwell or the like. G. W. Owen. 1,981,281; Nov. 20.
- Inker for marking machines. F. Magidson. 1,982,473; Nov. 27.
- Inker for printing devices. J. H. Rand. 1,958,522; May 15.
- Inking and branding device. A. C. Flothow. 1,960,776; May 29.
- Inking apparatus and operating the same. A. Schlesinger. 1,980,639; Nov. 13.
- Inking apparatus for typewriting machines having type cylinders. O. Fischer. 1,944,597; Jan. 23.
- Inking device for printing presses. J. T. Arveson. 1,964,711; July 3.
- Inking device for printing presses, Double. W. C. Rowell. 1,974,544; Sept. 25.
- Inking device for printing ribbons. H. W. Jewell. 1,962,309; June 12.
- Inking device for rotary printing presses. G. S. Rowell. 1,962,156; June 12.
- Inking means for printing mechanism. T. M. Avery and W. M. Seitzinger. 1,945,498; Jan. 30.
- Inking mechanism. M. A. Droticour. 1,977,793; Oct. 23.
- Inking mechanism. C. W. Ginsberg. 1,962,011; June 5.
- Inking mechanism. C. W. Ginsberg. 1,974,987; Sept. 25.
- Inking mechanism. W. M. Kelly. 1,949,937; Mar. 6.
- Inking mechanism. F. Lamatsch and C. W. Ginsberg. 1,977,444; Oct. 16.
- Inking mechanism. C. J. Richter. 1,982,830; Dec. 4.
- Inking mechanism. E. J. Smith. 1,978,285; Oct. 23.
- Inking mechanism for printing machines. L. H. Morse. 1,968,850; Aug. 7.
- Inking mechanism for printing machines. S. Newton and F. Spence. 1,971,081; Aug. 21.
- Inking mechanism for printing presses. T. M. Avery. 1,963,042; June 12.
- Inking mechanism for printing presses. H. Irmischer. 1,983,610; Dec. 11.
- Inking mechanism for printing presses. A. and E. Kluge. 1,980,968; Nov. 13.

- Inking mechanism for printing presses. R. Miehle. 1,955,186; Dec. 18.
- Inking mechanism for rotary printing presses. T. E. Pbythian. 1,978,760; Oct. 30.
- Inking roller. F. Lamatsch. 1,946,024; Feb. 6.
- Inlaid toilet seat. F. B. Hackett. 1,954,448; Apr. 10.
- Insulays, Making. A. Soukup. 1,976,969; Oct. 16.
- Inner tube and method of manufacture. A. S. Knowlton. 1,977,281; Oct. 16.
- Inner tube drier. C. Taarud. 1,942,311; Jan. 2.
- Inner tube for automobile tires. O. R. Ronneberg. 1,952,221; Mar. 27.
- Inner tube. Puncture sealing. A. G. Fitzgerald. 1,969,400; Aug. 7.
- Inner tubes, Manufacturing. W. Stephens. 1,952,470; Mar. 27.
- Inoculating device. J. F. Loughlin. 1,948,271; Feb. 20.
- Inorganic thermoplastic composition. W. A. Boughton. 1,975,077; Oct. 2.
- Input linkage control for power brakes. E. A. Rockwell. 1,975,478; Oct. 2.
- Inscribing machine. E. K. Bottle. 1,965,571; July 10.
- Inscriptions, Device for producing changing. O. Stürner. 1,978,556; Oct. 30.
- Inseam cementing machine. F. Ricks. 1,965,667; July 10.
- Insect destroyer. W. M. Whitaker. 1,983,423; Dec. 4.
- Insect electrocutor. H. J. Bowman. 1,972,180; Sept. 4.
- Insect electrocutor. W. M. Frost. 1,952,795; Mar. 27.
- Insect exterminator. W. F. Folmer and H. L. Chapin. 1,962,439; June 12.
- Insect exterminator. A. E. Rittenhouse. 1,982,123; Nov. 27.
- Insect exterminator, Electric. W. J. Bradley. 1,962,420; June 12.
- Insect exterminator, Electric. H. Israel and A. H. Roehr. Des. 93,770; Nov. 6.
- Insect repellent. C. R. Cleveland. 1,963,955; June 26.
- Insect trap. S. B. Coleman. 1,941,659; Jan. 2.
- Insect trap. L. G. Henning and J. Rein. 1,980,754; Nov. 13.
- Insect trap. F. W. Metzger. 1,968,953-4; Aug. 7.
- Insect trap. W. Trammell. 1,946,509; Feb. 13.
- Insect trap. R. E. Wentzell. 1,981,683; Nov. 20.
- Insecticidal composition. D. H. Grant. 1,976,780; Oct. 16.
- Insecticidal composition and preparing the same. K. H. Fulton. 1,964,283; June 26.
- Insecticidal compositions and producing same. H. Knight, L. C. Swallen, and W. J. Bannister. 1,949,798; Mar. 6.
- Insecticidal, fungicidal, and bactericidal compositions. A. W. Burwell. 1,955,052; Apr. 17.
- Insecticidal oil spray. H. Knight. 1,949,799; Mar. 6.
- Insecticide. E. W. Adams. 1,969,491; Aug. 7.
- Insecticide. E. K. Bolton. 1,961,840; June 5.
- Insecticide. E. C. Britton and L. E. Mills. 1,981,219; Nov. 20.
- Insecticide. W. M. Dickson. 1,955,114; Apr. 17.
- Insecticide. S. C. Fulton. 1,967,024; July 17.
- Insecticide. H. Knight. 1,949,722; Mar. 6.
- Insecticide. W. K. Price. 1,947,169; Feb. 13.
- Insecticide. J. Savage, F. Holt, and R. Thomas. 1,981,926; Nov. 27.
- Insecticide. R. E. Spokes. 1,977,412; Oct. 16.
- Insecticide and fertilizer and method of manufacture. W. Thordarson. 1,976,905; Oct. 16.
- Insecticide and insectifuge. E. W. Adams. 1,957,429; May 8.
- Insecticide and insectifuge. E. W. Adams and G. M. McNulty. 1,942,892; Jan. 9.
- Insecticide and/or fungicide. G. M. Karns. 1,964,518; June 26.
- Insecticide composition and its application. W. P. Flint and G. L. Hockenyo. 1,982,909; Dec. 4.
- Insecticide, Contact. E. W. Bousquet and W. H. Tisdale. 1,954,517; Apr. 10.
- Insecticide delivery apparatus. F. Riebel, jr., and D. M. Dow. 1,961,168; June 5.
- Insecticide holder. F. G. McWilliams. Des. 92,382; May 29.
- Insecticide. Preparing a colorless household. N. A. Sankowsky and D. H. Grant. 1,945,235; Jan. 30.
- Insecticide spraying device. J. W. Divina. 1,955,228; Apr. 17.
- Insecticides to mill elevators, Device for applying. W. P. Mitchell. 1,963,501; June 19.
- Insects, Apparatus for electrocuting. W. Sykes. 1,966,999; July 17.
- Insects, Destroying. G. P. Urban. 1,948,228; Feb. 20.
- Insects, Device for rearing and capturing. H. Spencer and L. Brown. 1,974,549; Sept. 25.
- Insert for cementitious slabs. V. E. Baird, C. Griffiths, and F. De Marais. 1,948,093; Feb. 20.
- Insert for envelopes, Removable opaque. C. W. Tullar. 1,962,921; June 12.
- Insert for masonry structures. E. Well. 1,949,342; Feb. 27.
- Insert for waffle irons. C. A. Clauss. 1,947,124; Feb. 13.
- Inserted blade cutter. F. P. Miller. 1,951,101; Mar. 13.
- Inserted blade cutter. F. P. Miller and L. Skeel. 1,957,348; May 1.
- Inserted blade cutter. F. P. Miller and J. A. Spohr. 1,951,100; Mar. 13.
- Inserting and nailing machine. G. Sague. 1,960,959; May 29.
- Inserting and wrapping machine. R. E. Ackley. 1,984,955; Dec. 18.
- Inserting machine. J. M. H. Koning. 1,960,382; May 29.
- Inside grooving tool. U. G. Schaar. 1,977,491; Oct. 16.
- Insignia. A. A. Ruben. Des. 91,685; Mar. 6.
- Insignia. A. A. Ruben. Des. 93,739; Oct. 30.
- Insole. G. Goddu. 1,961,346; June 5.
- Insole. H. Härtl. 1,966,719; July 17.
- Insole. A. Peschke. 1,975,972; Oct. 9.
- Insole. F. W. Vogel. 1,969,487; Aug. 7.
- Insole and making shoes therewith. W. H. Bain. 1,947,031; Feb. 13.
- Insole, Composite. S. J. Pentler and O. R. Short. 1,960,792; May 29.
- Insole, Corrective. R. W. Shaw. 1,958,097; May 8.
- Insole for corrective shoes. H. Gordon. 1,984,576; Dec. 18.
- Insole for shoes and forming same. H. Gordon. 1,981,101; Nov. 20.
- Insoles, Gemming. E. A. Ellis. 1,941,934; Jan. 2.
- Insoles, Reinforcing. T. A. Calnan. 1,962,053; June 5.
- Inspection apparatus. W. J. Ward, C. E. Bauerle and F. H. Dalrymple. 1,947,142; Feb. 13.
- Inspection device. T. B. Simms. 1,961,087; May 29.
- Inspection machine. W. Allen. 1,965,619; July 10.
- Installation for re-cooling the cooling air in circulating air cooling installations. H. Ortmeyer. 1,945,619; Feb. 6.
- Installation, Snap fastener secured. R. F. Walters. 1,970,785; Aug. 21.
- Instrument. E. D. Tillyer. 1,977,813; Oct. 23.
- Instrument adjustment indicator. E. C. Raney. 1,955,091; Apr. 17.
- Instrument and blade holder, Combined. E. A. Hagel. 1,974,776; Sept. 25.
- Instrument case. H. B. Brown. Des. 93,814; Nov. 13.
- Instrument case. H. B. Brown. Des. 94,112; Dec. 25.
- Instrument case. T. R. Harrison. Rel. 1,165; May 15.
- Instrument case. W. Melas. Des. 92,726; July 10.
- Instrument case. W. D. Teague. Des. 93,951; Nov. 27.
- Instrument case or similar article. W. A. Baum. Des. 93,084; Aug. 21.
- Instrument casing. R. P. Brown. 1,962,422; June 12.
- Instrument casing, Registering. H. Hastings. Des. 93,656; Oct. 23.
- Instrument, Combination. J. White and D. G. Baxter. 1,974,856; Sept. 25.
- Instrument exhibiting mechanism. G. W. Chenicek. 1,980,574; Nov. 13.
- Instrument for determining atmospheric conditions. M. Scott. 1,945,660; Feb. 6.
- Instrument for determining the diameter of bodies with curved surfaces. K. Kühne. 1,959,537; May 22.
- Instrument for discovering and recording defects in metal plates. J. P. Morrison. 1,947,729; Feb. 20.
- Instrument for electrosurgical resection. F. C. Wappler. 1,971,024; Aug. 21.
- Instrument for indicating the required voltage for making radiographs. H. E. Turner. 1,948,013; Feb. 20.
- Instrument for rapid examination of transparent microscopic preparations. W. Bauersfeld. 1,964,712; July 3.
- Instrument for rapid examination of transparent microscopic preparations. W. Bauersfeld and M. Hübschmann. 1,943,508; Jan. 16.
- Instrument for studying vibrations and for other purposes. P. Davey. 1,949,603; Mar. 6.
- Instrument for tufting mattresses or the like. J. E. Zofnass. 1,974,887; Sept. 25.
- Instrument holder. J. J. Powers. 1,957,052; May 1.
- Instrument holder. H. Walker and M. C. Adams. 1,975,303; Oct. 2.
- Instrument mounting. H. D. Johnson. 1,969,512; Aug. 7.
- Instrument panel. A. Iannelli. Des. 92,909; July 31.
- Instrument panel. M. J. Johnson. Des. 93,982; Dec. 4.
- Instrument panel. E. H. Rowell. 1,944,905; Jan. 30.
- Instrument panel for a motor vehicle and radio, Combined. R. C. Ellis. Des. 92,066; Apr. 24.
- Instrument stand. F. and F. Koenigkramer. Des. 94,149; Dec. 25.
- Instrument stand. O. E. Trautmann. Des. 91,574; Feb. 20.
- Instrument test switch. W. H. Schramm. 1,958,901; May 15.
- Instrument transformers, Method of and apparatus for testing. O. Nölke. 1,972,243; Sept. 4.
- Instrumentality for the treatment of piles. G. A. Tasano. 1,968,230; July 31.
- Insulated electrical conductor and making same. R. B. Norton. 1,968,903; Aug. 7.
- Insulated structure. H. B. Lindsay. 1,981,559; Nov. 20.
- Insulated support for electric cables. J. I. Ellmann. 1,956,526; Apr. 24.
- Insulating block and making the same. E. R. Powell. 1,972,493; Sept. 4.
- Insulating carrier for containers. G. J. Maloney. 1,952,448; Mar. 27.
- Insulating composition. C. Drefus. 1,961,208; June 5.
- Insulating device. H. E. Cullen and H. O. Ronning. 1,976,008; Oct. 9.
- Insulating device for electrical connections. C. B. Case, jr. 1,957,389; May 1.
- Insulating element for electrolytic cells. F. Weldes. 1,951,814; Mar. 20.
- Insulating liquid. H. M. Elsey. 1,953,216; Apr. 3.
- Insulating material. P. S. Denning. 1,957,822; May 8.
- Insulating material. W. R. Gillies. 1,942,546; Jan. 9.

- Insulating material. L. McCulloch. 1,947,096; Feb. 13.
 Insulating material. M. D. Squiers. 1,949,087; Feb. 27.
 Insulating material. E. A. Tooney and E. K. Williams. 1,972,500; Sept. 4.
 Insulating material and method of making. D. C. Drill. 1,956,377; Apr. 24.
 Insulating material, Electrical. W. S. Smith, H. J. Garnett, J. N. Dean, H. C. Channon, W. Gardner, and H. F. Wilson. 1,961,306; June 5.
 Insulating material for cable coverings. M. C. Dodge. 1,961,845; June 5.
 Insulating material, Manufacture of. A. Kronstein. 1,944,562; Jan. 23.
 Insulating materials and preparing insulating materials. M. C. Lewis and A. M. Lynn. 1,980,413; Nov. 13.
 Insulating means. D. R. Palmer and F. M. Sayford. 1,984,653; Dec. 18.
 Insulating means. W. E. Robertson. 1,979,490; Nov. 6.
 Insulating mounting for anode grids. J. T. Mathews. 1,943,242; Jan. 9.
 Insulating product. L. Weber. 1,942,013; Jan. 2.
 Insulating sleeve for lead covered cables. H. Halperin and A. P. Thomas. 1,975,602; Oct. 2.
 Insulating sleeve for truck type oil switches. H. B. Taverner. 1,967,014; July 17.
 Insulating structure. H. B. Lindsay. 1,961,888; June 5.
 Insulating structure and liner. A. L. Spafford. 1,955,443; Apr. 17.
 Insulating support means for the current leads of luminous signs. H. Lange. 1,984,486; Dec. 18.
 Insulating supporting pin. C. L. Peirce, Jr. 1,960,681; May 29.
 Insulating unit. J. L. Gregg. 1,956,323; Apr. 24.
 Insulating unit. J. L. Gregg. 1,962,868; June 12.
 Insulating unit. V. W. Moody. 1,973,880; Sept. 18.
 Insulating values, Apparatus for testing. F. C. Doble. 1,945,263; Jan. 30.
 Insulation. E. Pitzer. 1,979,995; Nov. 6.
 Insulation and fireproofing. R. E. Bennett. 1,978,125; Oct. 23.
 Insulation and means embodying the same. W. S. Sprague. 1,943,701; Jan. 16.
 Insulation and method of and apparatus for applying the same, Producing flexible nondeteriorative. V. C. Eddleman. 1,959,078; May 15.
 Insulation board, Apparatus for manufacturing. R. V. Grayson. 1,958,819; May 15.
 Insulation, Building. B. E. Balduf and H. O. Hayes. 1,963,609; June 19.
 Insulation for absorbing condensation in metallic structures. M. T. Chamberlain and E. E. Mortell. 1,930,867; May 29.
 Insulation for doors. R. J. Olander. 1,979,636; Nov. 6.
 Insulation for electrical apparatus. A. O. Austin. 1,981,716; Nov. 20.
 Insulation for electrical sheets, Inorganic. G. C. Kiefer and C. A. Scharschu. 1,946,146; Feb. 6.
 Insulation for electrical sheets, Inorganic. C. A. Scharschu. 1,982,179; Nov. 27.
 Insulation for refrigerator cars. H. Donovan. 1,952,159; Mar. 27.
 Insulation framework. M. P. Sullivan. 1,984,848; Dec. 18.
 Insulation, Joining thermoplastic. E. Studd, A. R. Kemp, and F. S. Malm. 1,954,960; Apr. 17.
 Insulation of leads to electrical condensers. G. Scarpa. 1,945,917; Feb. 6.
 Insulation material. R. H. Harrington. 1,983,367; Dec. 4.
 Insulation, Preparation of. W. H. Gitzen. 1,972,188; Sept. 4.
 Insulation process and machine. H. H. Eaton. 1,980,170; Nov. 13.
 Insulation stripper. B. F. Jenkins. 1,954,817; Apr. 17.
 Insulation, Testing. E. B. Paine, J. Tykocinski-Tykociner and H. A. Brown. 1,943,391; Jan. 16.
 Insulation testing apparatus. M. C. Cary and W. M. Hill. 1,952,582; Mar. 27.
 Insulation to electrical sheets, Applying inorganic. C. A. Scharschu. 1,951,039; Mar. 13.
 Insulation unit. R. V. Grayson and E. G. Ballenger. 1,970,746; Aug. 21.
 Insulation, Vacuum. L. F. Whitney. 1,949,732; Mar. 6.
 Insulator. A. O. Austin. 1,950,646; Mar. 13.
 Insulator. A. O. Austin. 1,967,654; July 24.
 Insulator. A. O. Austin. 1,972,614; Sept. 4.
 Insulator. A. O. Austin. 1,979,092; Oct. 30.
 Insulator. A. O. Austin. 1,981,717; Nov. 20.
 Insulator. W. A. Hillebrand. 1,941,749; Jan. 2.
 Insulator. W. A. Hillebrand. 1,967,616; July 24.
 Insulator. M. H. Hunt. 1,973,076; Sept. 11.
 Insulator. W. D. Kyle. 1,950,616; Mar. 13.
 Insulator. D. H. Rowland. 1,955,609; Apr. 17.
 Insulator. W. W. Shaver. 1,975,297; Oct. 2.
 Insulator. W. L. Stinson and C. L. Stroup. 1,952,517; Mar. 27.
 Insulator. J. J. Taylor. 1,961,402; June 5.
 Insulator and cathode embodying the same. S. H. Stupakoff. 1,982,885; Dec. 4.
 Insulator and pressure relief device for carburetors, Combination. L. Kleinboffer. 1,947,854; Feb. 20.
 Insulator and treating it. G. S. Fulcher. 1,960,147; May 22.
 Insulator assembling machine. J. C. Robertson. 1,944,134; Jan. 16.
 Insulator brackets and the like, Mechanism for forming. C. Fassinger. 1,983,935; Dec. 11.
 Insulator, Bushing. W. A. Hillebrand. 1,983,370; Dec. 4.
 Insulator cap. J. C. Kortick. 1,970,659; Aug. 21.
 Insulator caps, Forming. A. O. Austin. 1,983,384; Dec. 4.
 Insulator caps, Making. J. C. Kortick. 1,970,658; Aug. 21.
 Insulator coupling means. R. L. Jenner. 1,952,011; Mar. 20.
 Insulator, Electric. E. Burke. 1,942,133; Jan. 2.
 Insulator, Electric. G. H. Halton. 1,942,284; Jan. 2.
 Insulator, Electrical. J. A. Willoughby. 1,957,481; May 1.
 Insulator for connecting clips. R. S. Mueller. 1,965,151; July 3.
 Insulator, High tension. K. A. Hawley. 1,958,435; May 15.
 Insulator, High tension sleeve. H. Wirth. 1,969,917; Aug. 14.
 Insulator high tension switch, Three. E. E. Anderson. 1,957,814; May 8.
 Insulator, Oil bath. R. Weill. 1,944,383; Jan. 23.
 Insulator, Rubber, shock and vibration. C. Saurer. 1,947,476; Feb. 20.
 Insulator, Section. C. I. Ritchie and F. A. Tice. 1,962,259; June 12.
 Insulator, Strain. A. O. Austin. 1,972,615; Sept. 4.
 Insulator support for power rails. W. C. Banks. 1,984,245; Dec. 11.
 Insulator, Suspension. E. E. Arnold. 1,958,880; May 15.
 Insulators, Attachment for. W. L. Stinson. 1,976,418; Oct. 9.
 Intaglio printing methods and apparatus. E. Ericksson. 1,958,299; May 8.
 Intaglio variegated surfaces on metal, Mechanically corroding relief. J. J. Burgess. 1,974,011; Sept. 18.
 Intake and exhaust manifold, Combined. A. F. Milbrath. 1,968,699; July 31.
 Integrating apparatus. A. E. Young. 1,957,747; May 8.
 Integrating mechanism. R. E. Woolley. 1,953,328; Apr. 3.
 Integrating mechanism. A. E. Young. 1,957,746; May 8.
 Intelligence by frequency variation, Transmission of. J. H. Hammond, Jr. 1,977,439; Oct. 16.
 Interchangeable appliance for mixing, beating, etc. F. W. Parkhill. Re19,295; Aug. 28.
 Intercommunicating system. H. K. Carroll. 1,962,293; June 12.
 Intercone mill. H. H. Runnel. 1,945,791; Feb. 6.
 Interest computing machine. M. M. Bartholomew. 1,952,303; Mar. 27.
 Interference, Preventing. C. S. Franklin and A. W. Whistlercroft. 1,946,680; Feb. 13.
 Interference prevention device. R. E. Dillon, H. W. H. Wellington, and A. E. Grant. 1,972,332; Sept. 4.
 Interference prevention for radio operated relays. C. B. Mirick. 1,984,379; Dec. 18.
 Interference suppressor. L. J. Lesh. 1,972,268; Sept. 4.
 Interferences in radio reception, Apparatus for eliminating. P. L. V. Lambert. 1,980,212; Nov. 13.
 Interleaving machine. E. Jacobsen and I. P. Simonsen. 1,972,070; Aug. 28.
 Interleaving or slip-sheeting device for printing and duplicating machines. F. E. Guedry. 1,953,907; Apr. 3.
 Interlock for servo motors, Mechanical. A. L. Tobin. 1,981,400; Nov. 20.
 Interlocking control for cardiographs. C. Anderson. 1,976,594; Oct. 9.
 Interlocking joint. R. R. Rew. 1,978,283; Oct. 23.
 Interlocking oil switch, Remote control. L. W. Guin. 1,945,775; Feb. 6.
 Interlocking partition block. E. G. Peterson. 1,981,324; Nov. 20.
 Interlocking silent chain. F. J. Oakes. 1,952,885; Mar. 27.
 Interlocking system for railroads. C. S. Bushnell. 1,942,134; Jan. 2.
 Interlocking system for railroads. C. S. Bushnell. 1,958,360; May 8.
 Interlocking system for railroads. W. S. Henry. 1,961,854; June 5.
 Interlocking system for railroads. S. N. Wight. 1,942,788; Jan. 9.
 Interlocking system for railroads. S. N. Wight. 1,969,053; Aug. 7.
 Interlocking wheel. F. C. Wilson. 1,947,178; Feb. 13.
 Intermediates and dyestuffs of the anthraquinone series. P. Nawiasky, B. Stein, and A. Vilsmeier. 1,962,083-4; June 5.
 Intermediates for rhodamine dyestuffs. L. P. Kyrides. 1,981,515; Nov. 20.
 Intermediates for secondary alkylated rhodamine dyes. L. P. Kyrides. 1,981,516; Nov. 20.
 Intermixed divided materials, Process and apparatus for separating. R. and R. Peale, Jr. 1,949,729; Mar. 6.
 Internal combustion engine. D. E. Anderson. 1,972,814; Sept. 4.
 Internal combustion engine. G. V. Anderson. 1,965,569; July 10.
 Internal combustion engine. E. F. Arblaster. 1,957,751; May 8.
 Internal combustion engine. H. B. Augustine. 1,978,335; Oct. 23.
 Internal combustion engine. A. Baj. 1,977,752; Oct. 23.
 Internal combustion engine. E. G. Baker. 1,967,734; July 24.
 Internal combustion engine. J. C. Barnaby and R. C. Mathewson. 1,968,982; Aug. 7.

- Internal combustion engine. L. L. Beltz. 1,963,930; June 19.
- Internal combustion engine. C. L. Boisset. 1,943,058; Jan. 9.
- Internal combustion engine. R. F. Bracke. 1,951,858; Mar. 20.
- Internal-combustion engine. J. Braunwalder. 1,945,727; Feb. 6.
- Internal combustion engine. R. J. Broege. 1,967,987; July 24.
- Internal combustion engine. A. Buchi. 1,955,620; Apr. 17.
- Internal combustion engine. H. E. Bucklen. 1,984,862; Dec. 18.
- Internal combustion engine. J. Catron, jr. 1,974,100; Sept. 18.
- Internal combustion engine. V. Chorvath. 1,968,671; July 31.
- Internal combustion engine. J. H. Crary. 1,944,785; Jan. 23.
- Internal combustion engine. H. L. Doherty. 1,983,971; Dec. 11.
- Internal combustion engine. D. J. Dolan. 1,955,056; Apr. 17.
- Internal combustion engine. H. I. A. Dorner. 1,963,578; June 19.
- Internal combustion engine. R. N. Du Bois. 1,947,252; Feb. 13.
- Internal combustion engine. J. F. Edgar. 1,971,904; Aug. 28.
- Internal combustion engine. H. C. Edwards. 1,947,192; Feb. 13.
- Internal combustion engine. H. C. Edwards. 1,958,987; May 15.
- Internal combustion engine. H. C. Edwards. 1,963,614-5; June 19.
- Internal combustion engine. H. C. Edwards. 1,971,905; Aug. 28.
- Internal-combustion engine. H. C. Edwards. 1,983,351; Dec. 4.
- Internal combustion engine. W. M. Edwards. 1,954,564; Apr. 10.
- Internal-combustion engine. F. S. Farley. 1,946,136; Feb. 6.
- Internal combustion engine. M. J. Finnegan. 1,981,786; Nov. 20.
- Internal-combustion engine. H. Ford. 1,975,837; Oct. 9.
- Internal combustion engine. P. A. Friedell. 1,970,004; Aug. 14.
- Internal combustion engine. P. Fritzsche. 1,981,412; Nov. 20.
- Internal combustion engine. J. H. Geisse. 1,972,881; Sept. 11.
- Internal combustion engine. F. Gossiau. 1,975,600; Oct. 2.
- Internal combustion engine. E. Gray. 1,978,194; Oct. 23.
- Internal combustion engine. H. B. Greening and J. W. Galloway. 1,945,636; Feb. 6.
- Internal combustion engine. D. Gregg. 1,983,225; Dec. 4.
- Internal combustion engine. W. R. Griswold. 1,984,577-9; Dec. 18.
- Internal combustion engine. C. O. Guernsey. 1,977,127; Oct. 16.
- Internal combustion engine. A. L. Hart. 1,965,548; July 3.
- Internal combustion engine. M. Henter. 1,972,589; Sept. 4.
- Internal-combustion engine. K. J. E. Hesselman. 1,949,470; Mar. 6.
- Internal combustion engine. K. J. E. Hesselman. 1,967,243; July 24.
- Internal combustion engine. M. S. Huckle. 1,952,805; Mar. 27.
- Internal combustion engine. J. D. Ingram. 1,956,922; May 1.
- Internal combustion engine. B. A. Johnson. 1,968,646; July 31.
- Internal combustion engine. H. Junkers. 1,956,355; Apr. 24.
- Internal combustion engine. J. Kelster. 1,951,759; Mar. 20.
- Internal combustion engine. C. H. Kenneweg. 1,979,746; Nov. 6.
- Internal-combustion engine. F. L. Klaiber. 1,943,870; Jan. 16.
- Internal combustion engine. O. Köhler. 1,968,524; July 31.
- Internal combustion engine. E. M. Kramer. 1,966,671; July 17.
- Internal combustion engine. O. C. Kreis. 1,975,956; Oct. 9.
- Internal combustion engine. O. C. Kreis. 1,985,294; Dec. 25.
- Internal combustion engine. L. E. La Brie. 1,957,655; May 8.
- Internal combustion engine. F. Lang. 1,954,084; Apr. 10.
- Internal combustion engine. F. Lang. 1,964,667; June 26.
- Internal combustion engine. L. Laubender. 1,970,382; Aug. 14.
- Internal combustion engine. T. J. Little, jr. 1,954,937; Apr. 17.
- Internal combustion engine. W. J. McBride. 1,978,214; Oct. 23.
- Internal combustion engine. H. L. McPherson and J. H. Weatherford. 1,945,818; Feb. 6.
- Internal combustion engine. A. J. Meyer. 1,942,657; Jan. 9.
- Internal combustion engine. A. J. Meyer. 1,947,213; Feb. 13.
- Internal combustion engine. A. J. Meyer. 1,963,172; June 19.
- Internal combustion engine. A. J. Meyer. 1,969,814-15; Aug. 14.
- Internal combustion engine. A. G. M. Michell. 1,961,905; June 5.
- Internal combustion engine. R. A. Midgley. 1,983,237; Dec. 4.
- Internal combustion engine. C. C. Minter. 1,952,881; Mar. 27.
- Internal combustion engine. F. C. Mock. 1,972,200; Sept. 4.
- Internal combustion engine. F. C. Mock. 1,981,874; Nov. 27.
- Internal combustion engine. K. Mohr. 1,952,275; Mar. 27.
- Internal combustion engine. A. Moorhouse. 1,954,090; Apr. 10.
- Internal combustion engine. R. M. Nardone. 1,967,966; July 24.
- Internal combustion engine. A. M. Niven. 1,947,221-2; Feb. 13.
- Internal combustion engine. A. M. Niven. 1,972,273; Sept. 4.
- Internal combustion engine. L. Ochtman, jr. 1,967,682; July 24.
- Internal combustion engine. G. S. Osterberg. 1,977,200; Oct. 16.
- Internal combustion engine. H. A. Penrose. 1,971,462; Aug. 28.
- Internal combustion engine. G. Pielstick. 1,962,523; June 12.
- Internal combustion engine. J. H. Pierce. 1,971,620; Aug. 28.
- Internal combustion engine. A. W. Pope, jr. 1,960,795; May 29.
- Internal combustion engine. N. Rakos. 1,958,957; May 15.
- Internal combustion engine. H. P. Rasmussen. 1,955,976; Apr. 24.
- Internal combustion engine. W. Riehm. 1,957,294; May 1.
- Internal combustion engine. H. M. Rockwell. 1,964,082; June 26.
- Internal-combustion engine. F. C. Russell and J. H. Bradbury. 1,942,127; Jan. 2.
- Internal combustion engine. F. Sass. 1,966,223; July 10.
- Internal combustion engine. J. Schubert. 1,962,530; June 12.
- Internal combustion engine. J. Schubert. 1,967,596; July 24.
- Internal combustion engine. C. H. Sergeant. 1,979,711; Nov. 6.
- Internal combustion engine. O. Simmen. 1,959,769; May 22.
- Internal combustion engine. O. L. Snyder. 1,953,198; Apr. 3.
- Internal combustion engine. J. P. Stathas. 1,946,718; Feb. 13.
- Internal combustion engine. F. B. Stearns. 1,959,278; May 15.
- Internal combustion engine. B. C. Stickney. 1,972,115; Sept. 4.
- Internal combustion engine. F. A. Thaheld. 1,966,771; July 17.
- Internal combustion engine. T. C. Van Degrieff. 1,950,887; Mar. 13.
- Internal combustion engine. J. M. Ulrich. 1,982,554; Nov. 27.
- Internal combustion engine. P. G. Vanni. 1,972,805; Sept. 4.
- Internal combustion engine. J. G. Vincent. 1,960,359; May 29.
- Internal combustion engine. A. S. Walker. 1,968,110; July 31.
- Internal combustion engine. J. B. Watson. 1,977,657; Oct. 23.
- Internal combustion engine. W. B. Whelan. 1,958,156; May 8.
- Internal combustion engine. E. A. Winfield. 1,968,473; July 31.
- Internal-combustion engine. L. M. Woolson. 1,943,502; Jan. 16.
- Internal combustion engine. L. M. Woolson. 1,951,854; Mar. 20.
- Internal combustion engine. L. M. Woolson. 1,954,113; Apr. 10.
- Internal combustion engine. L. M. Woolson. 1,954,163; Apr. 10.
- Internal combustion engine. L. M. Woolson. 1,960,362; May 29.
- Internal combustion engine. L. M. Woolson. 1,972,467; Sept. 4.
- Internal combustion engine. L. M. Woolson. 1,978,333; Oct. 23.
- Internal combustion engine. L. M. Woolson. 1,982,721; Dec. 4.
- Internal combustion engine. G. Wright. 1,971,550; Aug. 28.
- Internal combustion engine. I. Wright. 1,944,652; Jan. 23.

- Internal combustion engine. A. R. Wurtele. 1,953,793; Apr. 3.
- Internal combustion engine. V. F. Zahodiakin. 1,950,911; Mar. 13.
- Internal combustion engine, Air cooled. H. Bolas. 1,975,776; Oct. 9.
- Internal combustion engine, Air-cooled. J. A. Boucher, jr. 1,966,785; July 17.
- Internal combustion engine, Compression ignition. O. D. Treiber. 1,960,093; May 22.
- Internal combustion engine, Double-acting. E. Atteslander. 1,956,940; May 1.
- Internal combustion engine, Double acting. O. Petersen. 1,943,143; Jan. 9.
- Internal combustion engine, Four cycle. P. Dugelay. 1,971,176; Aug. 21.
- Internal-combustion engine, Rotary. J. Dedieu. 1,950,228; Mar. 6.
- Internal-combustion engine, Rotary. C. G. Gustafson. 1,943,937; Jan. 16.
- Internal combustion engine, Rotary. R. Lachapelle. 1,970,569; Aug. 21.
- Internal combustion engine, Rotary. G. W. Skoulund. 1,976,042; Oct. 9.
- Internal combustion engine, Rotary. D. C. Thomas. 1,952,149; Mar. 27.
- Internal combustion engine, Rotary. W. P. van Lammeren. 1,949,225; Feb. 27.
- Internal combustion engine, Two-cycle. C. G. Curtis and E. R. Newton. 1,964,036; June 26.
- Internal combustion engine, Two-cycle. D. J. Martin and K. P. Rado. 1,951,987; Mar. 20.
- Internal combustion engine, Two-cycle. M. S. Petersen. 1,972,409; Sept. 4.
- Internal combustion engine, Two-cycle. R. Thomann. 1,973,859; Sept. 18.
- Internal-combustion engine, Two-stroke. H. R. Ricardo. 1,942,571; Jan. 9.
- Internal combustion engine, Two-stroke cycle. P. K. Saunders. 1,984,288; Dec. 11.
- Internal combustion engine, Two-stroke self-igniting. W. Steiger. 1,983,198; Dec. 4.
- Internal combustion motor, Rotary. C. W. Kempton. 1,974,282; Sept. 18.
- Internal combustion rotary engine. H. M. Fenati. 1,970,003; Aug. 14.
- Internal expansion brake. C. S. Burnett. 1,963,969; June 26.
- Internal wrench. R. B. Campbell. 1,968,872; Aug. 7.
- Internally ribbed tube. H. M. Wilcox. 1,963,056; June 12.
- Interpole for railway motors, Shunted. F. B. Powers. 1,953,129; Apr. 3.
- Interpole rotary converter, Compound wound. S. H. Martin. 1,964,922; July 3.
- Interrupter. E. E. Frey. 1,942,023; Jan. 2.
- Interrupter. K. Schweizer. 1,973,359; Sept. 11.
- Interrupter, Electrical. E. E. Frey. 1,942,024; Jan. 2.
- Interrupter for ignition systems. W. Walther and A. Grob. 1,964,697; June 26.
- Intra-abdominal retractor. R. W. Homer. 1,944,009; Jan. 16.
- Inulin, Preparation of. H. S. Paine, R. M. Kingsbury, and E. Yanovsky. 1,971,871; Aug. 28.
- Invalid chair. W. C. Greene. 1,972,557; Sept. 4.
- Invalid handling device. W. E. Bunker. 1,971,294; Aug. 21.
- Invalid's wheel chair. E. L. Mueller. 1,973,962; Sept. 18.
- Inverter. E. G. Parvin. 1,960,976; May 29.
- Invertible container. W. W. Bissell. 1,982,814; Dec. 4.
- Investment. R. L. Coleman. 1,962,764; June 12.
- Iodine, Recovery of. C. W. Girvin. 1,944,423; Jan. 23.
- Ion concentration, Apparatus for measuring. C. C. Coons. 1,951,395; Mar. 20.
- Ionization tube structure. A. Hund. 1,951,021; Mar. 13.
- Ions, Acceleration of. E. O. Lawrence. 1,948,384; Feb. 20.
- Iris for moving picture screens, theatrical displays, or the like, Automatic. E. J. Vallen. 1,954,656; Apr. 10.
- Iron, Aluminogenetic. W. Sander. 1,942,004; Jan. 2.
- Iron and its alloys, Electrolytic manufacture of. E. Kelsen. 1,948,235; Feb. 20.
- Iron and making the same, Ductile cast. F. A. Fahrenwald. 1,941,671; Jan. 2.
- Iron and Portland cement in a blast furnace, Production of. M. Fränkl. 1,984,793; Dec. 18.
- Iron and producing same, Galvanized malleable. V. S. Durbin. 1,944,227; Jan. 23.
- Iron and steel, Cleaning. A. Nagelvoort. 1,943,875; Jan. 16.
- Iron and steel, Coating. J. L. Bray. 1,948,505; Feb. 27.
- Iron and steel, Hardening. H. Bardt. 1,976,210; Oct. 9.
- Iron and steel, Producing alloyed. T. R. Haglund. 1,951,976; Mar. 20.
- Iron and steel, Production of age resisting. C. Wallmann, F. Halbrock, and E. Kumpmann. 1,970,067; Aug. 14.
- Iron and switch therefor, Electric. J. A. and E. M. Crossland. 1,981,309; Nov. 20.
- Iron article of manufacture, Surface hardened cast. M. L. A. Babinet. 1,972,082; Sept. 4.
- Iron, Automatic electric. H. C. Wright. 1,975,819; Oct. 9.
- Iron chromium alloy article, Cold rolled. H. S. George. 1,980,331; Nov. 13.
- Iron, Cordless electric. R. Roller. 1,966,263; July 10.
- Iron. Desulphurizing and purifying. C. T. Hennig. 1,963,269; June 19.
- Iron, Directly producing wrought. F. Johannsen. 1,964,917; July 3.
- Iron, Electric. D. L. Hadley. Des. 92,803; July 17.
- Iron, Electric. F. Kuhn and L. H. Thomas. 1,976,787; Oct. 16.
- Iron, Electric. O. C. Ritz-Woller. Des. 93,737; Oct. 30.
- Iron, Electric. A. Ruelland. 1,958,592; May 15.
- Iron, Electric. V. G. Vaughan. 1,975,736; Oct. 2.
- Iron, Electric. W. K. Voss. 1,960,424; May 29.
- Iron, Electric flat. A. Berteau. Des. 92,854; July 24.
- Iron for ski ties, Toe. R. Pröyme. 1,973,444; Sept. 11.
- Iron from sulphate solutions, Eliminating. A. Fleischer. 1,974,180; Sept. 18.
- Iron from sulphide ores, Making ductile electrolytic. J. R. Cain. 1,980,381; Nov. 13.
- Iron from sulphur, Purifying. B. M. S. Kalling and C. von Delwig. 1,971,041; Aug. 21.
- Iron, Hatters'. G. W. Martz. 1,981,520; Nov. 20.
- Iron holder. H. I. Holstrom. 1,942,755; Jan. 9.
- Iron, Making cast. W. Ruff. 1,985,553; Dec. 25.
- Iron, Making ductile electrolytic. J. R. Cain. 1,945,107; Jan. 30.
- Iron, Making rustless. W. B. Arness. 1,954,400; Apr. 10.
- Iron, Manufacture of rustless. A. L. Feild. 1,954,381; Apr. 10.
- Iron measuring instrument, Soft. R. G. Jewell. 1,952,921; Mar. 27.
- Iron, Metallurgy of. A. Gudmundsen. 1,941,983; Jan. 2.
- Iron or steel, Production of. M. G. Shiras. 1,963,315; June 19.
- Iron or steel sheets with a protective metallic coating, Coating. W. H. Sommer. 1,980,961; Nov. 13.
- Iron or steel with aluminum or aluminum alloys, Thermally coating objects of. E. H. E. Johansson. 1,941,750; Jan. 2.
- Iron ores, Treatment of sulphurous. B. F. Halvorsen. 1,971,815; Aug. 28.
- Iron, Pressing. S. Dowinsky. Des. 93,005; Aug. 14.
- Iron, Producing pearlitic cast. A. H. Mitchell and J. L. Cawthon, jr. 1,973,263; Sept. 11.
- Iron, Producing wrought. F. Singer. 1,960,832; May 29.
- Iron product and making the same, Ornamental rustless. A. L. Feild. 1,977,270; Oct. 16.
- Iron, Production of cast. K. Sipp. 1,965,436; July 3.
- Iron, Production of sponge. W. D. Brown. 1,979,729; Nov. 6.
- Iron pyrites, Treatment of. S. I. Levy. 1,946,325; Feb. 6.
- Iron section, Flanged. F. W. Brusch. 1,975,534; Oct. 2.
- Iron, Smoothing. L. J. Schwartz. 1,972,035; Aug. 28.
- Iron, Soldering. S. Davis. 1,957,325; May 1.
- Iron, Soldering. F. Kuhn and L. H. Thomas. 1,962,688; June 12.
- Iron stand. S. A. Duvall. 1,972,218; Sept. 4.
- Iron, Steaming. J. E. Wright. 1,958,876; May 15.
- Iron, steel, and cast iron alloys by nitriding, Hardening. F. W. O. Hengstenberg. 1,958,575; May 15.
- Iron, steel, and cast iron alloys by nitriding, Hardening. O. Hengstenberg. 1,970,141; Aug. 14.
- Iron, steel, and their alloys, Welding. K. Kautz. 1,959,791; May 22.
- Iron, Timbale. C. Fontana. 1,949,862; Mar. 6.
- Iron with aluminum and product thereof, Plating. A. Wimmer. 1,982,563; Nov. 27.
- Ironer. A. A. Myers and E. W. Archer. 1,948,225; Feb. 20.
- Ironer. G. K. Parsons. 1,970,815; Aug. 21.
- Ironer. L. Ringer. 1,977,593; Oct. 16.
- Ironer and dampener, Electric. M. Skolnik. 1,969,583; Aug. 7.
- Ironer, Electric. W. M. Emery. 1,985,025; Dec. 18.
- Ironer, Flatwork. L. P. Boal. 1,976,383; Oct. 9.
- Ironer, Reciprocating. C. A. Pickens. 1,974,584; Sept. 25.
- Ironer roll pad unit. L. W. Brann. 1,973,044; Sept. 11.
- Ironer, Shirt collar. M. F. Huebsch. 1,959,626; May 22.
- Ironing and pressing machine. L. M. Kahn. 1,982,342; Nov. 27.
- Ironing attachment for sewing machines. B. Earl. 1,978,572; Oct. 30.
- Ironing board. R. Eilsenberg. 1,960,143; May 22.
- Ironing board. H. R. Northup. 1,947,613; Feb. 20.
- Ironing board. R. F. Polski. 1,971,503; Aug. 28.
- Ironing board. H. Porter. 1,969,032; Aug. 7.
- Ironing board. M. J. Rutledge. 1,980,098; Nov. 6.
- Ironing board. A. J. Sager and F. L. Coffman. 1,953,831; Ironing board. J. G. Wernli. 1,973,832; Sept. 18.
- Apr. 3.
- Ironing board attachment. L. Toly. 1,960,292; May 29.
- Ironing board, Folding. F. L. Ellis. 1,977,050; Oct. 16.
- Ironing device. A. O. Long. 1,964,587; June 26.
- Ironing machine. R. W. Foley. 1,970,511; Aug. 14.
- Ironing machine. J. T. Hume and H. L. Hart. 1,980,484; Nov. 13.
- Ironing machine. W. F. Oliver. 1,972,817; Sept. 4.
- Ironing machine. J. Prachar. Re19,217; June 19.
- Ironing machine. H. Strachan. 1,978,654; Oct. 30.
- Ironing machine frame. W. F. Oliver. Des. 91,785; Mar. 20.
- Ironing machine, Gas heated. R. A. Hetzer. 1,945,273; Jan. 30.
- Ironing machine, Hat brim. G. Cipriano. 1,959,091; May 15.
- Ironing press. W. M. Emery. 1,967,081-6; July 17.
- Ironing table. C. G. Cruz. 1,974,263; Sept. 18.

- Ironing table. C. Danielson. 1,942,916; Jan. 9.
 Ironing table. O. A. Flagstad. 1,963,977; June 26.
 Ironing table. H. B. White. 1,980,894; Nov. 13.
 Ironing table. L. S. Williams. 1,957,685; May 8.
 Ironing table. H. T. Yates. 1,978,097; Oct. 23.
 Irradiation apparatus. G. P. Goode. 1,966,546-7; July 17.
 Irrigating. J. Weiss. 1,943,152; Jan. 9.
 Irrigating and draining device. A. Schlimbach. 1,972,496; Sept. 4.
 Irrigating and sprinkling system. C. O. Wilson. 1,976,053; Oct. 9.
 Irrigating apparatus, Electrically controlled. F. Reinecke, G. D. Phillips, and M. Gillern. 1,978,435; Oct. 30.
 Irrigating device and support for trees, Combined. H. M. Hamer. 1,984,265; Dec. 11.
 Irrigating system. M. A. and V. Balaam. 1,960,472; May 29.
 Irrigation headgate and dam, Portable. V. Christoffersen. 1,968,743; July 31.
 Irrigation pipe joint. L. E. Thompson. 1,943,496; Jan. 16.
 Irrigation plant, Portable overhead. M. A. Balaam. 1,966,783; July 17.
 Irrigator. G. E. Miller. 1,949,574-5; Mar. 6.
 Irrigator, Vaginal and anal. P. G. Hörnell. 1,963,329; June 19.
 Irrigator, Urethral. E. Richards. 1,952,607; Mar. 27.
 Isatin derivative. W. G. Christiansen and S. E. Harris. 1,966,788; July 17.
 Isatin derivatives, Mercured. W. G. Christiansen and S. E. Harris. 1,954,619; Apr. 10.
 Isobutane, Treatment of chlorinated. E. C. Britton, G. H. Coleman, and G. W. Warren. 1,984,725; Dec. 18.
 Isochronous mechanism, Phasing of. D. L. Hay. 1,963,087; June 19.
 Isocollids containing unsaturated high molecular acids, Solidification of organic. L. Auer. 1,980,366; Nov. 13.
 Isolating levulose as the lime levulate. R. M. Hixon, J. H. McGlumphy, J. W. Eichinger, jr., and J. H. Buchanan. 1,970,605; Aug. 21.
 Isomers of diphenyl, Production of mono and dichlor. J. E. Malowan. 1,951,577; Mar. 20.
 Isoviolanthrone, Producing. L. P. Kyrides. 1,947,858; Feb. 20.
 Isoviolanthrone, Production of. F. Knowles. 1,954,482; Apr. 10.
 Jack: See—
 Air jack. Riveting jack.
 Automobile jack. Scaffold jack.
 Combination jack. Screw jack.
 Double acting jack. Shoe supporting jack.
 Foot pedal jack. Single screw jack.
 Hydraulic jack. Tire jack.
 Lifting jack. Track jack.
 Mechanical jack. Vacuum operated jack.
 Motor vehicle jack. Vehicle jack.
 Pneumatic jack. Vertical lift jack.
 Pump jack. Wheel carrier-jack.
 Pumping jack. Window jack.
 Jack. G. A. Countryman. 1,964,250; June 26.
 Jack. M. Dwork. 1,964,624; June 26.
 Jack. C. M. Eason and J. J. Mueller. 1,978,451; Oct. 30.
 Jack. B. F. Hawley. 1,974,491; Sept. 25.
 Jack. H. Kakides and J. H. Vegessy. 1,954,178; Apr. 10.
 Jack. E. O. Keator. 1,984,930; Dec. 18.
 Jack. Q. G. Noblitt and E. C. Booth. 1,948,446; Feb. 20.
 Jack. J. F. Quinn. 1,946,173; June 26.
 Jack. H. H. Robinson. 1,958,114; May 8.
 Jack and bumpers, Combined. A. C. Hoecker. Des. 91,462; Feb. 6.
 Jack and tire remover, Combined lifting. E. Geistlinger. 1,973,308; Sept. 11.
 Jack apparatus for vehicles, Lifting. L. Lebel. 1,975,278; Oct. 2.
 Jack bar, Knee lift. J. J. Mizer and I. E. Dearsley. 1,978,471; Oct. 30.
 Jack for two lasts, Combination. A. R. Kosma. 1,947,975; Feb. 13.
 Jackhead. K. R. Lieberknecht. 1,950,253; Mar. 6.
 Jack, Operating a hydraulic. J. F. Johnson. 1,976,129; Oct. 9.
 Jack post structure. S. E. Evans. 1,970,741; Aug. 21.
 Jack pumping systems, Method and apparatus for the maintenance and operation of. T. E. Hindman. 1,978,309; Oct. 23.
 Jack system, Vehicle. W. C. Cranston. 1,966,811; July 17.
 Jack with clamping plates adapted to adopt an inclined position relative to the ram, Cart. E. Braselmann. 1,962,000; June 5.
 Jack with traveling pawl mechanism, Lifting. L. D. Nilson. 1,945,910; Feb. 6.
 Jack with traveling pinion mechanism, Lifting. L. D. Nilson. 1,972,573; Sept. 4.
 Jacket, Breeding. G. P. Boardman. 1,949,004; Feb. 27.
 Jacket for liquid-dispensing receptacles. H. M. Matters. 1,950,505; Mar. 13.
 Jacket for machine guns, Water. S. G. Green. 1,963,086; June 19.
 Jacket for molds, Pouring. H. R. Street. 1,983,581; Dec. 11.
 Jacket for transfusion, infusion, and injection flasks. J. C. Hopkins. 1,982,213; Nov. 27.
 Jacket, Infant's and child's restraining. H. L. Newman. 1,944,451; Jan. 23.
 Jacking and sidewise motion transmitting device for automotive vehicles. P. L. Dounis and A. Jordanoglou. 1,944,501; Jan. 23.
 Jacking apparatus. J. Gutmann, jr., and A. M. Wolf. 1,954,994; Apr. 17.
 Jacking apparatus for motor vehicles. J. Gutmann, jr. 1,962,736; June 12.
 Jacking attachment. M. Dwork. 1,964,625; June 26.
 Jacks, Attachment for. W. B. Price. 1,969,943; Aug. 14.
 Jacks, Attachment for pump. E. M. Ramsey. 1,943,624; Jan. 16.
 Jacquard card punching machine. J. Schull. 1,956,335; Apr. 24.
 Jacquard mechanism. H. Goodley. 1,984,128; Dec. 11.
 Jacquard mechanism. A. F. Schuler. 1,941,815; Jan. 23.
 Japanning on concrete surfaces. S. Asobe. 1,944,588; Jan. 23.
 Jar. W. R. Bennett. Des. 93,086; Aug. 21.
 Jar. E. C. Day. Des. 92,391; June 5.
 Jar. G. Evans. Des. 91,993; Apr. 17.
 Jar. E. W. Fuerst. Des. 92,339-40; May 29.
 Jar. H. Guitton. Des. 92,397; June 5.
 Jar. I. J. McCullough. 1,983,865; Dec. 11.
 Jar. F. J. McDonough. Des. 91,951; Apr. 10.
 Jar. A. C. Mitzner. Des. 93,174; Aug. 28.
 Jar. A. C. Mitzner. Des. 93,669; Oct. 23.
 Jar. O. C. Noble. Des. 93,179; Aug. 28.
 Jar. O. C. Noble. Des. 93,994; Dec. 4.
 Jar. O. C. Noble. Des. 94,043; Dec. 11.
 Jar. S. Picker. Des. 92,425; June 5.
 Jar. F. Smith. Des. 93,142; Aug. 21.
 Jar. F. W. Stewart. Des. 93,950; Nov. 27.
 Jar, Adjustable trip. J. S. Beck. 1,954,513; Apr. 10.
 Jar and closure, Combined. M. S. Desser. 94,021; Dec. 11.
 Jar cap. A. G. Jedlicka. 1,978,635; Oct. 30.
 Jar clamping tool. S. G. Monroe and F. Shepherd. 1,976,623; Oct. 9.
 Jar closure. A. R. Bailey. 1,978,978; Oct. 30.
 Jar closure. L. R. N. Carvalho. 1,967,349; July 24.
 Jar closure. E. Pyott. 1,951,559; Mar. 20.
 Jar cover holder. I. M. Bell. 1,985,437; Dec. 25.
 Jar-cover wrench. J. F. Johnson. 1,943,611; Jan. 16.
 Jar, Cream. C. S. Cage. Des. 92,799; July 17.
 Jar holder. W. A. Potter. 1,983,946; Dec. 11.
 Jar opening device. G. B. Dryden. 1,952,660; Mar. 27.
 Jar or similar article. T. J. Piazzoli. Des. 91,366; Jan. 16.
 Jar or similar article. T. J. Piazzoli. Des. 92,423-4. June 5.
 Jar or similar article. T. J. Piazzoli. Des. 94,095; Dec. 18.
 Jar, Rotary. A. Dix and W. C. Barnes. 1,970,362; Aug. 14.
 Jar, Rotary. F. J. Spang. 1,978,847; Oct. 30.
 Jar sealer. E. H. Fisher. 1,941,674; Jan. 2.
 Jar, Self serving cigar humidior. J. C. Patterson. 1,965,129; July 3.
 Jar top remover. C. E. McNemar. 1,967,960; July 24.
 Jar, Well. E. Burns and H. P. Wickersham. 1,977,110; Oct. 16.
 Jars and the like simultaneously, Apparatus for filling. P. Rossi. 1,956,655; May 1.
 Jaw crushing machine, Yielding. W. W. Guest. 1,972,096; Sept. 4.
 Jelly manufacture. R. M. Preston. 1,968,704; July 31.
 Jet closet. R. M. Russell. 1,983,404; Dec. 4.
 Jet device for dishwashing machines. G. Webb. 1,966,573; July 17.
 Jet device for washing machines. G. Webb. 1,966,572; July 17.
 Jetty construction. C. E. Snyder. 1,967,759; July 24.
 Jewel bearing and mounting therefor. R. R. Chappell and R. J. Streb. 1,966,847; July 17.
 Jewel bearing for watches and the like. F. Marti. 1,976,181; Oct. 9.
 Jewel mounting, Interchangeable. J. W. King. 1,971,265; Aug. 21.
 Jeweler's clamp. R. Leder. 1,947,912; Feb. 20.
 Jewelry, Article of. L. Mazer. 1,981,521; Nov. 20.
 Jewelry box. J. Warner. 1,960,073; May 22.
 Jewelry display device. C. H. Scruggs. 1,956,205; Apr. 24.
 Jewelry ornamentation. J. M. Miller and G. F. Fenton. 1,981,369; Nov. 20.
 Jewelry setting. H. L. Witte. 1,972,726; Sept. 4.
 Jig, Alignment. L. M. Butler. 1,949,007; Feb. 27.
 Jig filling machine. A. J. Mason and W. L. Tancred. 1,964,827; July 3.
 Jig for mounting split patterns. A. Turner. 1,984,387; Dec. 18.
 Jig for working on clutches. W. G. Parker and E. E. Bassette. 1,984,231; Dec. 11.
 Jig, Quick-clamping box type. F. W. Koppersmith. 1,946,537; Feb. 13.
 Jig saw. J. J. and G. A. Barth. 1,957,156; May 1.
 Jig saw puzzle plaque. J. J. Beyens. Des. 93,534; Oct. 9.
 Jig, Sawing. J. R. Coe. 1,964,194; June 26.
 Jig, Soldering. R. V. Williams. 1,941,772; Jan. 2.
 Jigger for forming articles of plastic material. F. H. Sebring, jr., L. C. Loschky, and J. T. Pugh. 1,977,700; Oct. 23.
 Job coupon ticket machine. R. W. Smith. 1,954,367; Apr. 10.

- Jogging machine for sheet material. W. G. Schreiber and C. O. Carlson. 1,949,764; Mar. 6.
- Joint: See—
- Artificial knee joint. Piston ring joint.
- Asphalt expansion joint. Preformed expansion joint.
- Ball and socket joint. Rail joint.
- Bed joint. Reinforce joint.
- Belt joint. Resilient tool joint.
- Bolted pipe joint. Resiliently articulated joint.
- Cable joint. Return bend joint.
- Compressed Universal joint. Rod end joint.
- Concrete pipe joint. Safety joint.
- Conduit joint. Safety tool joint.
- Doll joint. Scaffold joint.
- Double universal joint. Seal joint.
- Elastic hinge joint. Seepage joint.
- Expansion joint. Sewer pipe joint.
- Feeding joint. Sheet metal joint.
- Flanged joint. Skylight joint.
- Floor expansion joint. Spring joint.
- Fluid-tight joint. Steam joint.
- Friction joint. Stove pipe joint.
- Fuselage joint. Suspension joint.
- Glass-to-metal thermal joint. Swivel coupling joint.
- Interlocking joint. Tool joint.
- Irrigation pipe joint. Torsional cross joint.
- Oscillating pivot joint. Tube joint.
- Metallic expansion joint. Universal joint.
- Panel lock joint. Universal pipe joint.
- Partition panel joint. Wall board joint.
- Pavement joint. Wrench joint.
- Pipe joint. Yielding wall joint.
- Joint. C. G. Butler. 1,977,540; Oct. 16.
- Joint. A. R. Huettig. 1,963,464; June 19.
- Joint. G. H. Hufferd. 1,957,781; May 8.
- Joint. G. H. Hufferd and M. P. Graham. 1,985,781; Dec. 25.
- Joint. W. A. McKettrick. 1,978,643; Oct. 30.
- Joint. R. V. Proctor and C. B. Cushwa. 1,971,200; Aug. 21.
- Joint. W. M. Robinson and H. K. Rader. 1,963,421; June 19.
- Joint and forming same. Wire. C. M. MacChesney. 1,972,153; Sept. 4.
- Joint and installing it, Expansion. G. P. Edmonds. 1,960,374; May 29.
- Joint and making the same. T. D. Nathan. 1,985,325; Dec. 25.
- Joint and making the same, Interlocked solder. P. Balze. 1,951,122; Mar. 13.
- Joint and producing the same, Welded. A. H. Trageser and L. Hassinger. 1,952,955; Mar. 27.
- Joint and traffic line installing machine, Combination. J. N. Heltzel. 1,956,680; May 1.
- Joint bar. R. Faries. 1,948,102; Feb. 20.
- Joint between relatively moving members adapted to resist plastic metal under pressure. P. Dunsheath. 1,949,459; Mar. 6.
- Joint construction. J. B. Milligan. 1,951,197; Mar. 13.
- Joint device, Expansion. S. H. Clelland. 1,973,946; Sept. 18.
- Joint drill stem, Flush. P. J. Duffy. 1,973,848; Sept. 18.
- Joint for artificial limbs. H. H. Groves. 1,975,040; Sept. 25.
- Joint for bus bars, Expansion. J. M. Van Splunter. 1,967,340; July 24.
- Joint for concrete and plastic pipes. W. B. Damsel. 1,967,467; July 24.
- Joint for concrete articles, Expansion. R. W. Briggs. 1,953,846; Apr. 3.
- Joint for concrete slabs. C. J. O'Brien. 1,978,278; Oct. 23.
- Joint for conduits, Ball. J. F. Cushing. 1,957,761; May 8.
- Joint for dispensing apparatus. W. J. Bragger. 1,955,271; Apr. 17.
- Joint for electric cables. E. D. Eby. 1,979,148; Oct. 30.
- Joint for electrical conductors. J. T. Wiseman. 1,975,244; Oct. 2.
- Joint for insulated structures, Expansion. E. F. Zeiner. 1,972,508; Sept. 4.
- Joint for oil-filled cables. L. Kunst. 1,956,723; May 1.
- Joint for oil gas generators, Expansion. L. B. Harris. 1,956,794; May 1.
- Joint for oil stills, Return bend. H. E. Muchnic. 1,966,038; July 10.
- Joint for pavement and the like, Expansion. C. Older. 1,953,308; Apr. 3.
- Joint for roads, floors, and like structures, Expansion. R. C. Bostwick. 1,974,327; Sept. 18.
- Joint for sheet pilings, Butt welded. W. Priellipp. 1,968,220; July 31.
- Joint forming means for return bends and the like. H. E. Muchnic. 1,966,039; July 10.
- Joint hydrogenolysis and methanolysis. C. Ellis. 1,966,790; July 17.
- Joint installing machine. J. N. Heltzel. 1,950,673; Mar. 13.
- Joint or attachment of parts in engines and the like. D. R. Pobjoy. 1,951,948; Mar. 20.
- Joint particularly suitable for diving dresses or apparatus, Hydraulic. J. S. Peress. 1,947,657; Feb. 20.
- Joint strip. R. F. Walters. 1,963,814; June 19.
- Joint structure, Expandable. A. J. Slade. 1,968,715; July 31.
- Joint wiping machine, Mechanical. A. E. Armitage and J. G. West. 1,961,543; June 5.
- Joints, Apparatus for constructing tubular. H. H. Moss. 1,964,926; July 8.
- Joints between structural members water tight, Making the. W. G. Bartenfeld. 1,944,914; Jan. 30.
- Joints in road construction, Device for and method of forming. W. S. Edge. 1,966,489; July 17.
- Joints, Making universal. C. E. Swenson. 1,985,531; Dec. 25.
- Joints, Manufacturing oscillating. L. Thiry. 1,961,536; June 5.
- Joints on tubular members, Device for producing. C. M. Brenner. 1,954,356; Apr. 17.
- Joints, Producing ball and socket. W. W. Riedel. 1,960,956; May 29.
- Joist. I. S. Leland. 1,964,208; June 26.
- Joist framer, Adjustable. E. H. Karp. 1,969,014; Aug. 7.
- Joist, Steel. H. S. Cameron. 1,952,235; Mar. 27.
- Joist structure. A. H. Schaffert. 1,951,810; Mar. 20.
- Journal. C. E. Hermann. 1,983,130; Dec. 4.
- Journal ball bearing. L. Maisel. 1,976,078; Oct. 9.
- Journal bearing. H. E. Anderson. 1,960,430; May 29.
- Journal bearing. J. F. Cobb. 1,974,484; Sept. 25.
- Journal bearing. P. W. Dieter. 1,943,167; Jan. 9.
- Journal bearing. P. W. Dieter. 1,976,485; Oct. 9.
- Journal bearing. G. Grandjean. 1,975,786; Oct. 9.
- Journal box. D. S. Barrows. 1,964,338; June 26.
- Journal box. D. S. Barrows. 1,980,965; Nov. 13.
- Journal box. D. S. Barrows. 1,985,594; Dec. 25.
- Journal box. R. J. Brittain, jr. 1,943,054; Jan. 9.
- Journal box. R. J. Brittain, jr. 1,984,822-3; Dec. 18.
- Journal box. H. T. Casey. 1,985,442; Dec. 25.
- Journal box. G. F. Couch. 1,966,923-4; July 17.
- Journal box. P. W. Dieter. 1,964,341; June 26.
- Journal box. G. A. Woodman. 1,983,724; Dec. 11.
- Journal box and associated structure, Railway. E. G. Hallquist. 1,971,004; Aug. 21.
- Journal box and bearing structure. P. W. Dieter. 1,963,547; June 19.
- Journal box and car frame support. R. J. Brittain, jr. 1,943,055; Jan. 9.
- Journal box and frame connection. R. J. Brittain, jr. 1,984,824; Dec. 18.
- Journal box, Car truck. A. J. Cook. 1,942,954; Jan. 9.
- Journal box construction. R. J. Brittain, jr., and H. R. Gibbons. 1,971,946; Aug. 28.
- Journal box dust guard. C. C. Farmer. 1,969,787; Aug. 14.
- Journal box hub liner. J. Kiely. 1,982,671; Dec. 4.
- Journal box, Roller bearing. W. Blackmore. 1,966,606; July 17.
- Journal box, Roller bearing. W. Blackmore. 1,976,322; Oct. 9.
- Journal box, Roller bearing. A. O. Buckius. 1,944,705; Jan. 23.
- Journal box, Roller bearing. A. O. Buckius. 1,963,777; June 19.
- Journal lubricator. H. B. Cunningham and J. W. Tucker. 1,943,298; Jan. 16.
- Jug. W. B. Cleland. Des. 91,317; Jan. 9.
- Jug. J. P. Rosenbaum. Des. 93,634; Oct. 16.
- Juice and pulp extractor. T. S. Fitzpatrick. 1,950,547; Mar. 13.
- Juice extractor. C. L. Arbuckle. 1,955,217; Apr. 17.
- Juice extractor. G. W. Bungay. Des. 93,382; Sept. 25.
- Juice extractor. H. C. Johnson. Des. 92,537; June 19.
- Juice extractor. J. P. Quam. 1,971,657; Aug. 28.
- Juice extractor, Fruit. J. C. Bush. 1,949,675; Mar. 6.
- Juice from fruit, Apparatus for expressing. H. W. Tuttle. 1,971,546; Aug. 28.
- Juice from skinless fruits, Apparatus for extracting. S. Estrada, E. Mauri, and A. Ivey. 1,972,649; Sept. 4.
- Junction box. W. A. Sharp. 1,949,337; Feb. 27.
- Junction box. S. J. Slotsky. 1,949,846; Mar. 6.
- Junction box. W. S. Thomas. 1,948,833; Feb. 27.
- Junction box of the floor type. L. A. Sharp. 1,949,883; Mar. 6.
- Junction box or the like. H. A. Douglas. 1,982,502; Nov. 27.
- Juncture and packing same, Fluid-tight. O. D. McFarland. 1,954,454; Apr. 10.
- Juniperus scopulorum, Pendulous. C. B. Fox. Pl. Pt. 89; Mar. 13.
- Justification control device for typographical machines. R. M. Turner. 1,958,401; May 8.
- Keeper for fastening a platform to a door guide. J. F. McDonald. 1,965,387; July 3.
- Kennel, Collapsible. E. L. Goldberg. 1,973,952; Sept. 18.
- Ketene, Process and apparatus for making. G. H. Reid. 1,975,663; Oct. 2.
- Ketone-amines, Preparation of. L. Meuser. 1,975,167; Oct. 2.
- Ketone, Manufacture of methyl vinyl. R. F. Conaway. 1,967,225; July 24.
- Ketones and making same, Amino-aromatic. E. C. Britton and F. Bryner. 1,946,053; Feb. 6.
- Ketones and the product thereof, Production of dimethylol. W. Fleming. 1,955,060; Apr. 17.
- Ketones, Manufacture of. M. de Simo. 1,952,702; Mar. 27.
- Ketones, Manufacture of aliphatic. H. Dreyfus. 1,949,417; Mar. 6.
- Ketones, Manufacture of aliphatic. H. Dreyfus. 1,952,846; Mar. 27.

- Ketones, Manufacture of aliphatic. H. F. Oxley, W. H. Groombridge, and E. B. Thomas. 1,954,023; Apr. 10.
- Ketones, Preparation of. P. H. Groggins and R. H. Nagel. 1,966,797; July 17.
- Ketones, Producing. G. Bloomfield, L. C. Swallen, and F. M. Crawford. 1,978,404; Oct. 30.
- Ketones, Production of. W. Querfurth. 1,961,912; June 5.
- Ketones, Production of. L. C. Swallen. 1,978,824; Oct. 30.
- Ketones, Production of unsaturated. E. Schwenk and E. Kettle and cover, Combined sauce. A. de Sakhnoffsky. Des. 92,035; Apr. 17.
- Kettle and cover therefor, Combined coking. W. T. Christman. Des. 91,351; Jan. 16.
- Kettle, Electric tea. F. W. Juengst and O. M. Anderson. 1,975,464; Oct. 2.
- Kettle, Galvanizing. C. J. Lemont. 1,955,816; Apr. 24.
- Kettle or similar article. G. L. Cunningham. Des. 91,766; Mar. 20.
- Kettle or similar article. P. E. Willman. Des. 91,380; Jan. 16.
- Kettle, Treating and decanting. G. K. Anderson. 1,972,255; Sept. 4.
- Key. C. L. Coughlin. 1,979,960; Nov. 6.
- Key and attaching means for containers, Rip strip. J. H. O'Neil. 1,979,171; Oct. 30.
- Key and curb box cleanout, Combined service cock. V. E. Beagle. 1,945,304; Jan. 30.
- Key and license holder, Automobile. M. L. Lee. 1,953,490; Apr. 3.
- Key attaching means, Manually operated. A. L. Kronquest. 1,985,863; Dec. 25.
- Key attachment. H. L. Handy. 1,966,550; July 17.
- Keyboard. J. M. Lobit. 1,977,829; Oct. 23.
- Keyboard apparatus for telegraphs and the like. R. A. Lake and H. W. Stoelk. 1,969,891; Aug. 14.
- Keyboard bottom. T. Kumble. 1,958,920; May 15.
- Keyboard mechanism. C. H. Sampson. 1,983,099; Dec. 4.
- Keyboard operated machine. A. Thomas and R. C. E. Blamey. 1,983,154; Dec. 4.
- Keyboard perforator and counter. A. H. Reiber and M. T. Goetz. 1,984,317; Dec. 11.
- Keyboard perforator transmitter. C. W. Burcky and A. H. Reiber. 1,965,572; July 10.
- Keyboard perforator transmitter. R. A. Lake. 1,965,602; July 10.
- Keyboard transmitter. F. J. Maus and L. W. Franklin. 1,975,367; Oct. 2.
- Keyboard transmitter and perforated tape transmitter, Combined. S. W. Rothermel. 1,941,916; Jan. 2.
- Key, Brake shoe. F. W. Sargent. 1,965,159; July 3.
- Key case. W. R. Buxton. 1,966,429; July 17.
- Keycase. A. H. Franke. 1,955,456; Apr. 17.
- Key case. C. H. Howe. 1,959,207; May 15.
- Key construction, Panel. N. H. Cederquist. 1,971,320; Aug. 21.
- Key container. G. Flintermann. 1,972,879-80; Sept. 11.
- Borgwardt. 1,974,727; Sept. 25.
- Key container. J. Galter and A. Waller. Des. 92,800; July 17.
- Key container. L. Slotnick. 1,943,844; Jan. 16.
- Key controlled switch. L. and J. M. Blumen. 1,962,632; June 12.
- Key cutter. H. W. Devlin. 1,958,235; May 8.
- Key cutting apparatus. H. Hansen. 1,961,516; June 5.
- Key cutting machine. F. E. Fowler. 1,948,260; Feb. 20.
- Key cutting machine. H. Hansen. 1,978,628; Oct. 30.
- Key ejecting means for cylinder locks. F. E. Thompson. 1,946,722; Feb. 13.
- Key fastener. I. F. Lumb and H. T. Clasen. 1,955,430; Apr. 17.
- Key fastener. L. P. Wilson. 1,956,542; Apr. 24.
- Key filing system. R. H. Thayer. 1,948,738; Feb. 27.
- Key for car brakes, Locking. W. J. Mack. 1,969,087; Aug. 7.
- Key for locks. S. Pelle. 1,959,798; May 22.
- Key for locks. L. B. Shinn. 1,984,202; Dec. 11.
- Key for typewriters, Spring actuated. G. W. Munson and E. Hebel. 1,967,721; July 24.
- Key for writing machines, Cushioned. L. A. Amis. 1,970,798; Aug. 21.
- Key, Grate. G. Ziegler. 1,963,877; June 19.
- Key holder. M. Andis. 1,974,558; Sept. 25.
- Key holder. J. M. Bennett. 1,981,984; Nov. 27.
- Key holder. C. Liska. 1,974,245; Sept. 18.
- Key holder. N. E. Shook. 1,965,472; July 3.
- Keyhole illuminating device. G. L. Stewert. 1,976,269; Oct. 9.
- Key indicator. P. H. Howe. 1,948,985; Feb. 27.
- Key milling machine. E. E. Kahl. 1,945,276; Jan. 30.
- Key opening container. J. M. Young. 1,943,355; Jan. 16.
- Key or switch for telephone exchanges and the like, Change-over. M. B. Richter. 1,951,530; Mar. 20.
- Key-permutation lock. B. C. Smith. 1,946,364; Feb. 6.
- Key retainer. J. Jachens. 1,942,924; Jan. 9.
- Key retainer. H. R. Segal. 1,966,937; July 17.
- Key retainer. H. R. Segal. 1,975,334; Oct. 2.
- Key retaining member or key ring. W. R. Buxton. 1,968,989; Aug. 7.
- Key ring. R. B. Luce. 1,974,499; Sept. 25.
- Key ring or similar article. L. E. Baer. Des. 91,344; Jan. 16.
- Key ring or similar article. L. E. Baer. Des. 92,060; Apr. 24.
- Key, Sectional. R. B. Glidden. 1,979,798; Nov. 6.
- Key, Self-ejecting. D. E. Evans. 1,974,953; Sept. 25.
- Key structure for piano accordions. R. Nelson. 1,984,079; Dec. 11.
- Key, Wedge. S. A. Crone. 1,963,832; June 19.
- Keying. W. Buschbeck. 1,951,500; Mar. 20.
- Keying. G. E. Pray. 1,977,596; Oct. 16.
- Keying. H. J. Zetzmann. 1,984,105; Dec. 11.
- Keying system. J. F. Farrington. 1,949,248; Feb. 27.
- Keying system. H. Roder. 1,977,594; Oct. 16.
- Keyless lock. P. R. Engler and D. P. Fries. 1,964,847; July 3.
- Kick-out for metal working machines. W. L. Clouse. 1,968,128; July 31.
- Kick sheet device. H. C. Zenke. 1,961,724; June 5.
- Kidney extract for treatment of renal insufficiency. B. Jablons and R. I. Wagner. 1,968,605; July 31.
- Kiln. H. M. Robertson. 1,958,448; May 15.
- Kiln apparatus. J. J. Schmidt. 1,947,496; Feb. 20.
- Kiln, Dry. J. F. Cobb. 1,968,874; Aug. 7.
- Kiln, Dry. J. F. Cobb. 1,982,980; Dec. 4.
- Kiln, Dry. J. F. Cobb and J. I. Steel. 1,955,374; Apr. 17.
- Kiln, Drying. J. W. Doherty. 1,954,239; Apr. 10.
- Kiln furniture. E. B. Forse. 1,969,126; Aug. 7.
- Kiln, Rotary. J. S. Fasting. 1,964,344; June 26.
- Kiln, Rotary internally fired. A. W. Heyman. 1,953,856; Apr. 3.
- Kiln, Tunnel. F. M. Hartford and G. D. Brush. 1,965,832; July 10.
- Kiln, Tunnel. S. M. Kier and F. M. Hartford. 1,970,320; Aug. 14.
- Kilns, Controlling operation of cement. C. W. Martin. 1,945,652; Feb. 6.
- Kilns, Ware support for. W. W. Irwin. 1,941,941; Jan. 2.
- Kinematographic apparatus. R. G. Fear. 1,972,555; Sept. 4.
- Kinetograph movement. G. A. Mitchell and E. Lindgren. 1,954,885; Apr. 17.
- Kit and chart, Combined natural color. H. E. Braeg. 1,957,816; May 8.
- Kit, Dental. S. O. Claytor and J. Y. Dreisonstok. 1,955,736; Apr. 24.
- Kit, Golfer's. E. C. Link. 1,973,819; Sept. 18.
- Kit, Mechanic's. H. L. Kennedy. 1,984,345; Dec. 11.
- Kit, Seamstress'. J. W. and B. L. Ferneau. Des. 92,240; May 15.
- Kit, Shoe polishing. H. B. Smith. 1,977,530; Oct. 16.
- Kitchen cabinet. E. G. McQuinn. Des. 93,837; Nov. 13.
- Kitchen machine. G. T. Kimura. 1,976,234; Oct. 9.
- Kitchen novelty maid. F. E. Rocus. Des. 93,796; Nov. 6.
- Kitchen power unit. R. E. Marbury and H. G. Ross. 1,958,900; May 15.
- Kitchen tool, Combination. A. Toman. 1,956,405; Apr. 24.
- Kitchen utensil. G. L. Smith. 1,969,162; Aug. 7.
- Kite. R. B. Bergeron. 1,973,793; Sept. 18.
- Kite, Collapsible. J. F. Neary. 1,984,229; Dec. 11.
- Kite, Tetrahedral. L. J. Fishel. 1,965,634; July 10.
- Knee protector. B. C. Schnellbacher. 1,969,527; Aug. 7.
- Knee rest. G. W. Hoover and L. L. Wood. 1,976,170; Oct. 9.
- Knife. A. P. B. Hourin. 1,980,058; Nov. 6.
- Knife. G. Trubel. 1,960,130; May 22.
- Knife, Adjustable paring and slicing. A. E. Kaiser. 1,971,414; Aug. 28.
- Knife and corer. G. A. Swazey. 1,960,651; May 29.
- Knife bar shaping machine. C. E. Cleveland. 1,953,746-7; Apr. 3.
- Knife, Budding. J. J. Vermillion. 1,977,902; Oct. 23.
- Knife, Cake. W. L. Nelson. 1,948,592; Feb. 27.
- Knife carrier for paper-cutting machines. K. Stegmann. 1,941,957; Jan. 2.
- Knife, Chipper. J. F. Smith. 1,980,885; Nov. 13.
- Knife construction. J. F. Ohmer and R. B. Long. 1,966,078; July 10.
- Knife edge bearing. A. Kopitzki. 1,949,967; Mar. 6.
- Knife, Electrically heated. P. Krebs. 947,857; Feb. 20.
- Knife for lump presses, Adjustable movable. H. P. Taylor. 1,980,887; Nov. 13.
- Knife for thread-cutting temple. S. O. Dodge and R. C. Newton. 1,981,723; Nov. 20.
- Knife, Green corn. E. C. Osgood. 1,973,672; Sept. 11.
- Knife grinding machine, Bread. A. McMillan. 1,961,504; June 5.
- Knife grinding mechanism. J. A. Comeau. 1,946,311; Feb. 6.
- Knife moistening appliance for fabric cutting machines. F. J. Clark. 1,958,912; May 15.
- Knife or similar article, Paring. A. M. Baer. Des. 94,107; Dec. 25.
- Knife, Orange. F. Mamay. 1,971,689; Aug. 28.
- Knife, Peeling. R. B. Taylor. 1,984,709; Dec. 18.
- Knife, Safety callous and corn. L. P. Delk. 1,958,785; May 15.
- Knife, Scoring. N. E. Beck. 1,955,218; Apr. 17.
- Knife sharpening device. J. White. 1,968,472; July 31.
- Knife, Surgical. R. Castroviejo. 1,951,393; Mar. 20.
- Knife, Traveling. W. H. Fowle and E. T. Ickes. 1,953,932; Apr. 10.
- Knives, Attachment for paring. L. E. Durrin. 1,975,200; Oct. 2.
- Knives, Attachment for splitting. L. E. Durrin. 1,975,199; Oct. 2.
- Knit goods, Apparatus for treating. C. A. Shippling. 1,964,691; June 26.

- Knitted article. E. Wildt and H. R. Holmes. 1,965,873; July 10.
- Knitted fabric. W. J. Beniston. Des. 92,512-13; June 19.
- Knitted fabric. W. J. Beniston. Des. 92,572; June 26.
- Knitted fabric. G. Gastrich. Des. 92,071; Apr. 24.
- Knitted fabric. H. Gross. Des. 92,296; May 22.
- Knitted fabric. V. Lombardi. 1,981,057; Nov. 20.
- Knitted fabric. R. K. Mills. 1,960,161; May 22.
- Knitted fabric. S. Safflas. 1,965,607; July 10.
- Knitted fabric. O. Sauer. 1,981,471; Nov. 20.
- Knitted fabric. S. and L. Seligman. Des. 93,681; Oct. 23.
- Knitting. W. Heinitz. 1,955,632; Apr. 17.
- Knitting bag. R. K. G. Hartmann. 1,970,307; Aug. 14.
- Knitting-covered bodies and making same, Cord-shaped. F. Meiwald. 1,947,302; Feb. 13.
- Knitting frame, Apparatus for the production of horizontal stripes on the circular type. E. Milner and F. Walter. 1,955,594; Apr. 17.
- Knitting machine. R. S. Beavers. 1,942,322; Jan. 2.
- Knitting machine. P. A. Bentley, C. F. Manger, and C. H. Wainwright. 1,970,072; Aug. 14.
- Knitting machine. A. Gagne. 1,945,971; Feb. 6.
- Knitting machine. H. E. Houseman. 1,942,816; Jan. 9.
- Knitting machine. K. Howie. 1,972,044; Aug. 28.
- Knitting machine. R. Kretser. 1,970,238; Aug. 14.
- Knitting machine. P. P. La Montagne. 1,981,919; Nov. 27.
- Knitting machine. P. P. La Montagne and G. H. Froering. 1,945,227; Jan. 30.
- Knitting machine. V. Lombardi. 1,947,558; Feb. 20.
- Knitting machine. R. K. Mills. 1,977,522; Oct. 16.
- Knitting machine. A. W. Mutchler and S. P. Snyder. 1,976,960; Oct. 16.
- Knitting machine. A. E. Page. 1,964,673; June 26.
- Knitting machine. L. Robuczynski. 1,984,991; Dec. 18.
- Knitting machine. R. H. Robinson. 1,951,842; Mar. 20.
- Knitting machine. S. R. Shelmire. 1,971,663; Aug. 28.
- Knitting machine. W. L. Smith, jr. 1,946,767; Feb. 13.
- Knitting machine. A. E. Stewart. 1,943,265; Jan. 9.
- Knitting machine. S. A. Welch, A. F. Guyler, J. T. Ashby, and W. H. Boaler. 1,947,958; Feb. 20.
- Knitting machine. E. Wildt and H. H. Holmes. 1,947,750; Feb. 20.
- Knitting machine and making open-work fabric. N. Levin. 1,982,257; Nov. 27.
- Knitting machine and method. R. H. Lawson. 1,952,928; Mar. 27.
- Knitting machine and method of operating thereof. K. R. Lieberknecht. 1,959,833; May 22.
- Knitting machine and the production of fabrics thereon, Flat-bar. R. K. Mills. 1,955,970; Apr. 24.
- Knitting machine, Circular. R. K. Mills. 1,951,102; Mar. 13.
- Knitting machine, Circular. F. W. Robinson. 1,984,656; Dec. 18.
- Knitting machine, Flat. K. R. Lieberknecht. 1,950,185; Mar. 6.
- Knitting machine, Flat. K. W. Lieberknecht. 1,985,295; Dec. 25.
- Knitting machine, Flat. M. Nebel. 1,968,162; July 31.
- Knitting machine, Full fashioned. K. Howie. 1,958,823; May 15.
- Knitting machine, Full fashioned. K. Howie and C. C. Kriebie. 1,982,991; Dec. 4.
- Knitting machine, Reciprocally operated. F. W. Robinson. 1,947,617; Feb. 20.
- Knitting machine, Straight. M. Richter. 1,963,473; June 19.
- Knitting machine, Two-feed. H. G. Dickens. 1,978,344; Oct. 23.
- Knitting machine, Two-feed circular. A. G. Belford. 1,982,566; Nov. 27.
- Knitting machine with yarn-wrapping fingers. N. Levin. 1,956,294; Apr. 24.
- Knitting machinery. D. J. Mayer. 1,970,242; Aug. 14.
- Knitting machinery. H. Peters. 1,962,614; June 12.
- Knitting machines, Attachment for. F. G. Weisbecker. 1,979,212; Oct. 30.
- Knitting machines, Fluid operated reciprocating mechanism for. M. Richter. 1,984,319; Dec. 11.
- Knitting machines, Regulating the speed of. K. R. Lieberknecht. 1,977,729; Oct. 23.
- Knitting machines, Reverse-plating mechanism for. H. H. Holmes and R. H. Robinson. 1,952,318; Mar. 27.
- Knitting machines, Yarn feeding means for. F. E. Jones. 1,955,748; Apr. 24.
- Knitting mechanism. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,981,513; Nov. 20.
- Knob. H. J. Kasch. Des. 93,624; Oct. 16.
- Knob attachment. R. S. Gold. 1,958,363; May 8.
- Knob for radio control shafts. J. Walter. 1,954,062; Apr. 10.
- Knobs, Attachment for safe. H. W. Srygley. 1,982,080; Nov. 27.
- Knockdown canopy support. V. P. Nelson. 1,973,540; Sept. 11.
- Knockdown container. P. K. Madison. 1,956,802; May 1.
- Knockdown form clamp. E. D. Wilson. 1,962,046; June 5.
- Knockdown portable table. I. Macdonald. 1,964,789; July 3.
- Knockdown receptacle. O. J. Kuenhold. 1,975,900; Oct. 9.
- Knock-down screen. E. L. Rembaum. 1,964,332; June 26.
- Knockdown table. G. L. Pfluke. 1,953,261; Apr. 3.
- Knock-out. H. A. Calderwood. 1,944,706; Jan. 23.
- Knock-out for junction boxes and the like. J. Mangin. 1,962,317; June 12.
- Knockout mechanism. R. L. Wilcox. 1,963,572; June 19.
- Knock-out, Removable. M. M. Clayton. 1,944,707; Jan. 23.
- Knocked down box. R. M. Lackey. 1,983,700; Dec. 11.
- Knot holder and shoulder spreader for ties. S. M. Wade. 1,954,303; Apr. 10.
- Knot tying. E. J. Abbott and J. E. Ring. 1,965,023; July 3.
- Knot-tying mechanism. E. H. Parker. 1,985,458; Dec. 25.
- Knotter. R. Tatlock. 1,983,953; Dec. 11.
- Krypton and xenon from air, Separating. W. Dennis. 1,945,365; Jan. 30.
- Label. C. W. Kress. 1,955,920; Apr. 24.
- Label affixing machine. H. E. Edwards. 1,968,881; Aug. 7.
- Label and a method for employing the same. G. E. Gaus. 1,977,123; Oct. 16.
- Label and booklet, Combined. L. A. Miller. 1,974,401; Sept. 18.
- Label assembly mechanism and method. J. C. Thom. 1,976,971; Oct. 16.
- Label cutting and folding machine. G. A. Piepenbring and W. Beutel. 1,958,096; May 8.
- Label cutting and folding machine. G. A. Piepenbring and W. Beutel. 1,966,903; July 17.
- Label folding method and means. G. A. Piepenbring. 1,962,361; June 12.
- Label game. J. Bock. 1,982,282; Nov. 27.
- Label, Garden. H. Hammitt. 1,970,697; Aug. 21.
- Label pasting machine. J. Ertl. 1,966,490; July 17.
- Label removing machine. J. R. Gruetter. 1,979,383; Nov. 6.
- Label support. T. H. Golden. 1,966,586; July 17.
- Label wiping mechanism. W. W. Oslund. 1,958,111; May 8.
- Labeling device. J. O. Fenner and H. A. E. Sjöberg. 1,985,774; Dec. 25.
- Labeling device for loose binders. H. C. Peterson and F. A. Ganteaume. 1,970,621; Aug. 21.
- Labeling machine. J. F. Schenck, jr. 1,974,835; Sept. 25.
- Labels, Apparatus for cutting and folding. A. Rosenthal. 1,984,657; Dec. 18.
- Labels, Applying. J. E. Snyder. 1,957,478; May 8.
- Labels for students' unknown analysis sample packages. H. A. Fales. 1,949,903; Mar. 6.
- Labels, Process and apparatus for producing cut and folded. G. A. Piepenbring. 1,978,282; Oct. 23.
- Laboratory press. F. S. Carver. 1,985,598; Dec. 25.
- Lace. W. R. Adaire. Des. 93,806; Nov. 13.
- Lace. G. D. Boysen. Des. 91,754; Mar. 20.
- Lace. B. Edson. Des. 91,617; Feb. 27.
- Lace. B. Edson. Des. 93,094-5; Aug. 21.
- Lace. B. Edson. Des. 93,385; Sept. 25.
- Lace. F. Gentner. Des. 91,937; Apr. 10.
- Lace. F. Gentner. Des. 93,388-9; Sept. 25.
- Lace. F. Gentner. Des. 93,468; Oct. 2.
- Lace. F. Gentner. Des. 93,870; Nov. 20.
- Lace. S. H. Page. Des. 91,280; Jan. 2.
- Lace. S. H. Page. Des. 91,299; Jan. 2.
- Lace. S. H. Page. Des. 91,365; Jan. 16.
- Lace. S. H. Page. Des. 91,411; Jan. 23.
- Lace. S. H. Page. Des. 91,493-4; Feb. 13.
- Lace. S. H. Page. Des. 91,537-9; Feb. 20.
- Lace. S. H. Page. Des. 91,592; Feb. 20.
- Lace. S. H. Page. Des. 92,268; May 15.
- Lace. S. H. Page. Des. 92,366; May 29.
- Lace. A. Springthorpe. Des. 91,599; Feb. 20.
- Lace. F. Truman. Des. 91,600; Feb. 20.
- Lace. J. D. Wiener. Des. 93,429-30; Sept. 25.
- Lace. J. H. Worrall. Des. 91,308; Jan. 2.
- Lace. I. Zendman, jr. Des. 92,993; Aug. 7.
- Lace. I. Zendman, jr. Des. 93,319; Sept. 11.
- Lace. I. Zendman, jr. Des. 93,433-4; Sept. 25.
- Lace cover or similar article. M. W. Saydah. Des. 93,424; Sept. 25.
- Lace cover or similar article. M. W. Saydah. Des. 93,521; Oct. 2.
- Lace edging, Embroidered. H. Schwarber. Des. 92,772-4; July 10.
- Lace fabric. E. F. Stiner. 1,970,477; Aug. 14.
- Lace scarf or similar article. H. W. Hucknall. Des. 91,626; Feb. 27.
- Lace tip. J. Stangler. 1,970,152; Aug. 14.
- Lacquer. N. S. Kocher. 1,973,488; Sept. 11.
- Lacquer and making the same. L. Roon. 1,942,902; Jan. 9.
- Lacquer and preparing the same. E. Elbel and F. Seebach. 1,968,440; July 31.
- Lacquer system, Architectural. C. Bogin. 1,965,627; July 10.
- Lacquer, Vinyl ester. W. O. Herrmann and W. Haehnel. 1,984,678; Dec. 18.
- Lacquering machine. C. D. Dallas. 1,948,843; Feb. 27.
- Lacquers, Production of stoving. H. Klein and M. Luther. 1,965,959; July 10.
- Lacquers, Varnishes, or the like, Preparing. E. Elber and F. Seebach. 1,968,441; July 31.
- Lactobacilli concentrate. J. Reichel and H. A. Cheplin. 1,957,555; May 8.
- Lactobacilli fruit and vegetable juices. J. Reichel and H. A. Cheplin. 1,985,622; Dec. 25.

- Lactones, Preparation of. E. L. Helwig and G. M. Wiedeman. 1,972,340; Sept. 4.
- Lactose, Preparing. P. F. Sharp. 1,956,811; May 1.
- Ladder. C. H. Bosch. 1,953,390; Apr. 3.
- Ladder. E. M. House. 1,944,792; Jan. 23.
- Ladder. F. Hruby. 1,976,345; Oct. 9.
- Ladder. J. E. Kalgren. 1,949,076; Feb. 27.
- Ladder. R. Laborda. 1,946,747; Feb. 13.
- Ladder. G. E. Reagle. 1,961,781; June 5.
- Ladder. A. Skeenes. 1,969,628; Aug. 7.
- Ladder, Aerial trussed. R. F. Cowell. 1,943,724; Jan. 16.
- Ladder and like structure. C. Marschütz. 1,952,878; Mar. 27.
- Ladder and section lock, Extension. J. F. Murphy. 1,949,972; Mar. 6.
- Ladder and trestle, Combined extension. H. B. Gaffers. 1,965,311; July 3.
- Ladder attachment, Safety. T. E. Gardner. 1,961,289; June 5.
- Ladder brace. H. B. Gaffers. 1,941,890; Jan. 2.
- Ladder bracket. H. O. Weisgraber. 1,972,211; Sept. 4.
- Ladder chain. B. S. Carr. 1,967,496; July 24.
- Ladder, Chair. A. Bing. 1,950,591; Mar. 13.
- Ladder, Extension. E. C. Leach and E. O. Hamren. 1,964,067; June 26.
- Ladder, Folding. S. E. Burke. 1,974,233; Sept. 18.
- Ladder for tanks, Rolling. A. A. Kramer. 1,945,531; Feb. 6.
- Ladder, Pilot. A. A. Berg and F. F. Townsend. 1,962,890; June 12.
- Ladder snubber. E. G. Colglazier, W. E. Ball, and L. P. Willis. 1,982,572; Nov. 27.
- Ladder support. N. P. Larsen. 1,952,761; Mar. 27.
- Ladder supporting structure. F. S. Harsen. 1,948,577; Feb. 27.
- Ladder, Tractor. A. K. Jorgensen. 1,960,588; May 29.
- Ladder truck. W. S. Darley. 1,967,503; July 24.
- Ladder, Universal folding. W. Harting. 1,942,210; Jan. 2.
- Ladder web or Venetian blinds. G. F. French. 1,980,048; Nov. 6.
- Ladder with rear prop, Folding. L. Corneloup. 1,943,206; Jan. 9.
- Ladle. L. Myers. 1,956,224; Apr. 24.
- Ladle. L. Myers. 1,982,015; Nov. 27.
- Lady's vanity case. C. Sachs. Des. 92,021; Apr. 17.
- Lävo-1-phenyl-2-methylaminopropanol-1, Manufacture of. G. Hildebrandt and W. Klavehn. 1,956,950; May 1.
- Lakes from basic dyestuffs. E. Hartmann and F. Muth. 1,967,360; July 24.
- Laminary containers, Making. R. J. and G. A. Hutt. 1,969,009; Aug. 7.
- Laminated article. S. B. Blaisdell. 1,972,755-6; Sept. 4.
- Laminated board. W. P. Kellett. 1,951,983; Mar. 20.
- Laminated bodies, Mechanism for treating. F. H. Benge. 1,945,412; Jan. 30.
- Laminated body and making same. W. Harper, jr. 1,976,257; Oct. 9.
- Laminated die. W. M. Sheffield. 1,984,384; Dec. 18.
- Laminated material. W. Case. 1,962,682; June 12.
- Laminated material. W. H. Charch and T. G. Finzel. 1,983,520; Dec. 11.
- Laminated material. H. F. Eckhardt. 1,961,745; June 5.
- Laminated material. K. E. Prindle. 1,983,875; Dec. 11.
- Laminated material and preparing same. U. Ostwald. 1,983,870; Dec. 11.
- Laminated material and producing same. H. F. Horne. 1,953,111; Apr. 3.
- Laminated material and producing same, Decorated. W. W. Carter, jr. 1,956,314; Apr. 24.
- Laminated material, Producing molded. G. H. Mains. 1,959,762; May 22.
- Laminated process. J. Weber and F. Hengstebeck. 1,960,177; May 22.
- Laminated product. R. P. Courtney. 1,946,932; Feb. 13.
- Laminated products, Producing. E. H. Merritt. 1,978,807; Oct. 30.
- Laminating. U. Ostwald. 1,983,871; Dec. 11.
- Lamination applying machine. C. R. Bluzat. 1,966,878; July 17.
- Lamp: See—
- Acetylene lamp.
- Antidazzle lamp.
- Arc lamp.
- Battery hand lamp.
- Battery lamp.
- Bed lamp.
- Convertible floor lamp.
- Dental operating lamp.
- Electric arc discharge lamp.
- Electric arc lamp.
- Electric discharge lamp.
- Electric flash lamp.
- Electric floor lamp.
- Electric glow discharge lamp.
- Electric hand lamp.
- Electric incandescent lamp.
- Electric lamp.
- Electric projection lamp.
- Electrical discharge lamp.
- Electromechanical lamp.
- Enclosed arc lamp.
- Explosion proof lamp.
- Flash light lamp.
- Gas arc lamp.
- Glow lamp.
- Head lamp.
- Hurricane lamp.
- Illuminating and flood lamp.
- Incandescent electric lamp.
- Incandescent lamp.
- Indirect lighting lamp.
- Luminous discharge lamp.
- Marine lamp.
- Mercury vapor lamp.
- Metal vapor lamp.
- Miner's lamp.
- Mortician's lamp.
- Multifilament lamp.
- Music stand lamp.
- Odorizing lamp.
- Operating lamp.
- Pilot lamp.
- Portable electric lamp.
- Portable hand lamp.
- Portable lamp.
- Pyrometer lamp.
- Quartz mercury arc lamp.
- Reading lamp.
- Safety lamp.
- Sanctuary lamp.
- Signal and trouble lamp.
- Signal lamp.
- Sound recording glow lamp.
- Table lamp.
- Television receiving lamp.
- Therapeutic lamp.
- Ultra violet ray lamp.
- Lamp. J. H. Cannon. Des. 92,229; May 15.
- Lamp. B. Christmas. 1,974,982; Sept. 25.
- Lamp. J. J. Cunneen. Des. 93,649; Oct. 23.
- Lamp. L. C. Doane. 1,974,063; Sept. 18.
- Lamp. R. R. Dupler. Des. 92,888; July 31.
- Lamp. R. R. Dupler. 1,957,763; May 8.
- Lamp. R. D. Evans. 1,959,128; May 15.
- Lamp. E. C. Godfrey. Des. 91,776; Mar. 20.
- Lamp. E. C. Godfrey. Des. 92,598; June 26.
- Lamp. L. Guild. Des. 91,460-1; Feb. 6.
- Lamp. R. W. Johnson. 1,945,309; Jan. 30.
- Lamp. J. P. Kierman, C. G. Cottle, and W. J. Sheehan. Des. 91,584; Feb. 20.
- Lamp. C. B. Kurtz. 1,958,627; May 15.
- Lamp. L. H. Middleton. 1,974,841; Sept. 18.
- Lamp. A. D. Olds. Des. 92,921; July 31.
- Lamp. H. Porter. Des. 93,047; Aug. 14.
- Lamp. L. Rivier. 1,981,829; Nov. 20.
- Lamp. R. A. Romberg. 1,953,504; Apr. 3.
- Lamp. L. M. Sheehan. Des. 93,750; Oct. 30.
- Lamp. G. Sperti. 1,956,598-9; May 1.
- Lamp. G. Sperti. 1,976,149; Oct. 9.
- Lamp. T. K. Webster, jr. 1,960,562; May 29.
- Lamp. F. Weiss. Des. 92,278; May 15.
- Lamp and aperture support for sound apparatus, Adjustable sound. A. Kindelmann and E. Boecking. 1,957,173; May 1.
- Lamp and automobile headlight. B. Christmas. 1,974,388; Sept. 18.
- Lamp and candle therefor, Sanctuary. F. J. Barrett, jr. 1,975,496; Oct. 2.
- Lamp and chair or similar article, Combination. A. A. Granovsky. Des. 92,465; June 12.
- Lamp and clock casing, Combination. G. W. Gable. Des. 92,841; July 24.
- Lamp and filament therefor, Electric. S. Ruben. 1,961,509; June 5.
- Lamp and fixture parts. L. C. Doane. 1,975,833; Oct. 9.
- Lamp and insect trap, Combined. E. G. Shinner. 1,970,774; Aug. 21.
- Lamp and operating the same, Thermionic cathode. A. W. Hull. Re19,057; Jan. 23.
- Lamp and phototube, Combined. F. M. Penning. 1,958,066; May 8.
- Lamp and picture display, Combination. A. Aichele. Des. 92,567; June 26.
- Lamp and recharging means, Portable. H. H. Harsted. 1,964,201; June 26.
- Lamp and socket, Electric. H. F. Teichmann. 1,972,541; Sept. 4.
- Lamp and the like, Bed. E. P. Ryan. 1,973,152; Sept. 11.
- Lamp, Apparatus for controlling discharge. W. F. Westendorp. 1,976,645; Oct. 9.
- Lamp assembly means. H. A. Douglas. 1,946,197; Feb. 6.
- Lamp assembly means. H. A. Douglas. 1,975,353; Oct. 2.
- Lamp attaching clamp. L. O. Brown. 1,968,369; July 31.
- Lamp base and shade, Combined. L. Rath. Des. 92,678; July 3.
- Lamp base contact. D. S. Gustin. 1,965,231; July 3.
- Lamp bracket. H. R. Sulzer. Des. 91,573; Feb. 20.
- Lamp bracket and pendant, Combined. E. W. Sadler, D. N. Pierce, and M. P. Mortensen. Des. 94,052; Dec. 11.
- Lamp bulb connector, Electric. G. J. Seiss. 1,983,818; Dec. 11.
- Lamp cap for Edison holders, Incandescent. H. C. Ghysen. 1,955,629; Apr. 17.
- Lamp carbon-holder or saver, Projection. L. A. Wilczek. 1,958,981; May 15.
- Lamp coating. A. F. Lindstrom. 1,941,990; Jan. 2.
- Lamp connection. H. H. Harris. 1,968,077; July 31.
- Lamp construction. R. W. Barlow and S. G. Hoffman. 1,950,131; Mar. 6.
- Lamp device, Electric. W. A. D. Evans. 1,951,136; Mar. 13.
- Lamp device, Electric discharge. M. Pirani. 1,971,941; Aug. 28.
- Lamp device, Gaseous electric discharge. C. Bol. 1,951,124; Mar. 13.
- Lamp device, Gaseous electric discharge. H. Ewest and M. Reger. 1,951,138; Mar. 13.
- Lamp device, Gaseous electric discharge. J. P. M. Mut-saers. 1,984,489; Dec. 18.
- Lamp device, Gaseous electric discharge. M. Pirani and M. Reger. 1,984,429; Dec. 18.
- Lamp device, Gaseous electric discharge. W. Uytterhoeven and C. Verburg. 1,984,502; Dec. 18.
- Lamp failure indicator. W. E. Anderson. 1,972,125; Sept. 4.
- Lamp filament. D. P. Moore. 1,955,856; Apr. 24.
- Lamp, filament, and making the same. S. Ruben. 1,981,878; Nov. 27.
- Lamp filament, Incandescent. W. Berger. 1,957,242; May 1.
- Lamp fixture. R. W. Barlow and S. G. Hoffman. 1,950,130; Mar. 6.

- Lamp fixture for headlights. H. E. Grant. 1,950,083; Mar. 6.
- Lamp for a gasoline service station, Outdoor. R. C. Browe. Des. 93,328; Sept. 18.
- Lamp for automobiles, Signal. J. M. Fenna. 1,981,450; Nov. 20.
- Lamp for automotive cabs, Light projecting. F. W. Blanchard. 1,947,377; Feb. 13.
- Lamp for body cavities. H. R. Morrow. 1,976,084; Oct. 9.
- Lamp for motor vehicles, Combined directional and tail or driving. E. T. Condon. Des. 91,551-3; Feb. 20.
- Lamp for photographic sound records, Recording and reproducing. F. H. Owens. 1,946,587; Feb. 13.
- Lamp for road vehicles. J. A. Stevens. 1,979,650; Nov. 6.
- Lamp for vehicles, Rear. J. F. Pagendarm. 1,983,771; Dec. 11.
- Lamp globe fitting. J. C. Smith. 1,947,806; Feb. 20.
- Lamp hanger. W. B. Engh. 1,958,746; May 15.
- Lampholder. F. Deutsch. 1,942,804; Jan. 9.
- Lamp lens and frame therefor, Combined. C. J. Dorn and J. L. Jaegly. Des. 93,334-5; Sept. 18.
- Lamp letter, Positive column. F. Hotchner. 1,949,963; Mar. 6.
- Lamp, night table, and storage cabinet, Combination bed. J. Scobie. Des. 91,970; Apr. 10.
- Lamp or similar article. R. A. Isenberg. Des. 92,134; May 1.
- Lamp or similar device, Incandescent. W. J. Geiger and A. T. Gaskill. 1,967,878; July 24.
- Lamp or the like, Electric. A. J. W. Bouwens. Des. 93,964; Dec. 4.
- Lamp or the like, Gas sealed incandescent. E. Mukasa. 1,955,510; Apr. 17.
- Lamp post. J. P. Farnam. 1,972,187; Sept. 4.
- Lamp receptacle. M. N. Russell. 1,966,563; July 17.
- Lamp shade machine. B. Goldberg. 1,958,965; May 15.
- Lamp shade support, Adjustable. M. J. Auerbach. 1,946,959; Feb. 13.
- Lamp standard, Flood. R. Nerem. 1,971,757; Aug. 28.
- Lamp starting device. H. M. Erdmann. 1,983,605; Dec. 11.
- Lamp stems, Manufacture of. H. B. Knox. 1,977,638; Oct. 23.
- Lamp structure. A. B. Smith. 1,948,806; Feb. 27.
- Lamp system, Incandescent. W. L. Dawson. 1,956,550; May 1.
- Lamp testing device. R. R. Kenworthy. 1,952,210; Mar. 27.
- Lamp voltage control device. A. B. Fuller. 1,969,459; Aug. 7.
- Lamps, Apparatus for charging miners'. G. Wheat. 1,981,210; Nov. 20.
- Lamps, Apparatus for starting and regulating electric discharge. C. G. Found. 1,975,571; Oct. 2.
- Lamps, Device for controlling the illumination of. J. L. Le Gorre. 1,950,312; Mar. 6.
- Lamps, Producing electric. J. A. Korengold. 1,951,423; Mar. 20.
- Land, especially for the deeper setting of plants. Method and apparatus for working arable. F. Schröder-Stranz and H. F. Denstädt. 1,969,949; Aug. 14.
- Land leveler. W. H. Caball. 1,954,282; Apr. 10.
- Land roller. R. S. Smith. 1,949,587; Mar. 6.
- Land wheel. J. D. Murray. 1,943,620; Jan. 16.
- Landing gear. G. M. Bellanca. 1,943,783; Jan. 16.
- Landing gear. J. S. Kean. 1,974,424; Sept. 25.
- Landing gear for aircraft, Amphibian. A. Procoffeff-Seversky. 1,963,630; June 19.
- Landing gear, Shock absorbing. R. J. Minshall and L. L. Pierce. 1,955,142; Apr. 17.
- Landing light. D. L. Bruner. 1,966,436; July 17.
- Landing sight for airplanes. R. Chilton. 1,963,826; June 19.
- Landing tutor. A. C. Foulk. 1,949,414; Mar. 6.
- Landscape plotting and charting device. W. F. Wilhite. 1,964,753; July 3.
- Lantern. H. W. Bishop. 1,970,881; Aug. 21.
- Lantern, Electric. K. J. Helmholtz. 1,964,466; June 26.
- Lantern, Electric hand. G. H. Barber. Des. 91,507; Feb. 20.
- Lantern, Electric hand. A. C. Korte. Des. 92,409; June 5.
- Lantern, Oil. A. J. Perkins and F. J. Beckman. 1,985,517; Dec. 25.
- Lantern, Portable electric. W. C. Embury. 1,950,103; Mar. 6.
- Lantern, Pressure. W. B. Engh and C. W. Davis. 1,964,939; July 3.
- Lantern, Projection. L. B. Kennedy. 1,951,054; Mar. 13.
- Lapping machine. J. G. H. Budd. 1,963,884; June 19.
- Lapping machine. W. P. Hunt. 1,984,374; Dec. 18.
- Lapping machine. C. Weidauer. 1,981,935; Nov. 27.
- Lapping or grinding, Apparatus for. H. J. Wills. 1,957,569; May 8.
- Lapping tool. C. W. Floss. 1,955,362; Apr. 17.
- Laps to pickers, Feeding. E. Koella. 1,956,446; Apr. 24.
- Larvicide and making the same. J. C. Munday. 1,942,532; Jan. 9.
- Larynx, Artificial. G. W. Burchett. 1,985,013; Dec. 18.
- Lash arresting and vibration dampening means. J. P. Bourdie. 1,957,521; May 8.
- Lash cinch hook. C. B. Watts. 1,976,643; Oct. 9.
- Last. J. R. Dexter and M. C. Chapman. 1,958,334; May 8.
- Last and foot-rest, Reversible. W. E. Strobel. 1,977,137; Oct. 16.
- Last and shoe grading. L. E. Topham. 1,948,547; Feb. 27.
- Last centering device. E. W. Durkee. 1,976,841; Oct. 16.
- Last for corrective shoes. L. Sabel and L. S. Macdonald. 1,952,685; Mar. 27.
- Last form for attaching soles to shoes, Expandable. C. G. Brostrom. 1,959,565; May 22.
- Last, Reforming. J. Fitzpatrick. 1,969,738; Aug. 14.
- Last, Shoe. J. R. Bindner and P. A. Cooley. 1,975,763; Oct. 9.
- Last, Shoe. W. F. K. Karow. 1,971,108; Aug. 21.
- Lasting apparatus. E. Hope. 1,975,460; Oct. 2.
- Lasting gauge. A. J. Brauer and F. P. Wagner. 1,985,310; Dec. 25.
- Lasting machine. M. Cuzzo. 1,974,206; Sept. 18.
- Lasting machine. J. Gouldbourn, F. Ricks, and W. T. B. Roberts. 1,949,539; Mar. 6.
- Lasting machine. E. A. Holmgren. 1,949,417; Mar. 6.
- Lasting machine. B. Jorgensen. 1,956,685; May 1.
- Lasting machine. B. Jorgensen. 1,979,269; Nov. 6.
- Lasting machine. E. I. La Chapelle. 1,977,132; Oct. 16.
- Lasting machine. R. H. Lawson. 1,963,170; June 19.
- Lasting machine. F. Ricks. 1,950,569; Mar. 13.
- Lasts, Manufacture of. P. Amann and A. Fle. 1,979,597; Nov. 6.
- Lasts, Method of and machine for shaping. J. Fitzpatrick. 1,969,740; Aug. 14.
- Lasts, Reforming. J. Fitzpatrick. 1,969,739; Aug. 14.
- Latch: See—
- | | |
|-------------------------|----------------|
| Door latch. | Hood latch. |
| Drawer latch. | Thermal latch. |
| Extension ladder latch. | |
- Latch. R. P. Kuszmaul. 1,964,066; June 26.
- Latch. R. Marple. 1,961,638; June 5.
- Latch. E. G. Prost. 1,951,628; Mar. 20.
- Latch and lock, Closure. W. P. Howland. 1,975,511; Oct. 2.
- Latch and lock, Combined. K. H. Broman. 1,964,451; June 26.
- Latch for a receptacle. N. B. Green and C. C. Fuerst. 1,973,479; Sept. 11.
- Latch for dipper doors. T. A. Ratkowski. 1,944,949; Jan. 30.
- Latch for elevator gates. F. H. Moyer. 1,954,363; Apr. 10.
- Latch for refrigerator doors. F. Meyer. 1,961,904; June 5.
- Latch mechanism. J. Ledwinka. 1,966,251; July 10.
- Latch mechanism. A. Michauka. 1,982,529; Nov. 27.
- Latch mechanism. J. P. Tarbox. 1,948,688; Feb. 27.
- Latch mechanism for cake formers and the like. C. C. Stilwell. 1,969,862; Aug. 14.
- Latch needle and making the same. A. Perret. 1,961,429; June 5.
- Latch needle and making the same. G. H. Schneider. 1,961,624; June 5.
- Latch pivot die. A. Perret. 1,961,430; June 5.
- Latch safety device, Electrically heated thermal. N. H. Kimball. 1,966,724; July 17.
- Latch structure. L. A. Bittorf. 1,964,556; June 26.
- Latching device. G. W. Allen and L. B. Salt. 1,958,602; May 15.
- Latching device. G. H. Edwards. 1,964,757; July 3.
- Latching device. G. B. Marzolf. 1,955,969; Apr. 24.
- Latching device for trailers. J. Kuchar. 1,953,762; Apr. 3.
- Latching means for hand bags. J. Lichter. 1,975,163; Oct. 2.
- Latching mechanism, Door. L. L. Tolle. 1,977,901; Oct. 23.
- Latching structure. W. L. Fox. 1,952,980; Mar. 27.
- Lateral journal bearing, Auxiliary. J. A. Pilcher. 1,941,486; Jan. 2.
- Latex adhesive. M. C. Teague. 1,967,336; July 24.
- Latex adhesive. W. H. Wedger. 1,967,639; July 24.
- Latex and the like, Device for spreading. R. J. O'Brien and F. R. Chappell. 1,972,457; Sept. 4.
- Latex applying top cementing machine. B. Jorgensen. 1,981,956; Nov. 27.
- Latex composition and its preparation. M. O. Schur. 1,977,211; Oct. 16.
- Latex flowing machine. H. R. Polleys. 1,980,226; Nov. 13.
- Latex, Treatment of. J. McGavack and R. F. Tefft. 1,981,184; Nov. 20.
- Latex, Treatment of. R. L. Sibley. 1,946,003; Feb. 6.
- Latex, Using. J. W. Clarke and J. H. Grady. 1,974,261; Sept. 18.
- Lath and wall board construction, Combination metal. H. E. Hanson. 1,950,672; Mar. 13.
- Lath, Building. E. Westberg. 1,952,481; Mar. 27.
- Lath, Flexible flashing. J. Nichols. 1,956,909; May 1.
- Lath, Metal. C. R. Birdsey. 1,977,260; Oct. 16.
- Lath-trimming machine. T. B. Munroe. 1,965,351; July 3.
- Lathing. T. R. Herbest, jr. 1,976,395; Oct. 9.
- Lathing material, Mounting. J. F. Makowski. 1,955,247; Apr. 17.
- Laths, Apparatus for expanding metal. H. K. Baker. 1,972,179; Sept. 4.
- Lathe. E. C. Biewend and W. R. and H. L. Konkle. 1,955,220; Apr. 17.
- Lathe. L. C. Cole. 1,946,839; Feb. 13.

- Lathe. W. F. Groene. 1,944,231; Jan. 23.
 Lathe. W. G. Hoelscher. 1,971,956; Aug. 28.
 Lathe. C. J. Schroeder. 1,970,023; Aug. 14.
 Lathe. H. E. Tautz. 1,965,728; July 10.
 Lathe attachment. J. Y. Blazek. 1,947,378; Feb. 13.
 Lathe, Automatic. E. R. Smith and A. Shinkez. 1,946,429; Feb. 6.
 Lathe center. D. G. Braden. 1,967,004; July 17.
 Lathe center. W. W. Gairing. 1,946,684; Feb. 13.
 Lathe center. W. W. Gairing. 1,962,499; June 12.
 Lathe chuck. O. Styles. 1,978,611; Oct. 30.
 Lathe, Cutter relieving. R. D. Shaw. 1,957,296; May 1.
 Lathe, Double and automatic. F. L. Cone. 1,984,176; Dec. 11.
 Lathe drive. L. C. Cole. 1,947,829; Feb. 20.
 Lathe driving mechanism. F. C. Blanchard. 1,956,522; Apr. 24.
 Lathe, Electrically driven. B. A. Benson. 1,961,546; June 5.
 Lathe for hard-metal and diamond tools, Chip-Flow. M. Ritter, W. Möbius, O. Rothenberg, and F. W. Block. 1,957,667; May 8.
 Lathe for rapidly finishing a rotary work surface. C. H. Norton. 1,949,512; Mar. 6.
 Lathe for shoe-lasts and the like, Copying. E. J. Winkle. 1,946,253; Feb. 6.
 Lathe head, Motor driven. H. B. Tuthill and H. F. Caldwell. 1,976,048; Oct. 9.
 Lathe headstock. L. C. Cole. 1,945,598; Feb. 6.
 Lathe, Multiple spindle. E. R. Smith and J. L. Peterson. 1,945,663; Feb. 6.
 Lathe or the like. J. E. Lovely. 1,951,514; Mar. 20.
 Lathe slides, Hydraulic actuating mechanism for. P. von Pechmann. 1,950,332; Mar. 6.
 Lathe tool. J. M. Christman. 1,955,357; Apr. 17.
 Lathe, Tracer controlled. F. O. Hoagland. 1,948,617; Feb. 27.
 Lathe with automatically slidable headstock, Automatic. A. Bechler. 1,952,966; Mar. 27.
 Lather applying device. L. M. McNab. 1,950,318; Mar. 6.
 Lathers' hairpins, Manufacturing bundles of. T. R. Herbst, Jr. 1,952,803; Mar. 27.
 Latitude and longitude meter. H. T. Avery. 1,963,457; June 19.
 Laundering. R. P. Ellis. 1,961,606; June 5.
 Laundering and kitchen table, Convertible. F. E. Baker. 1,956,265; Apr. 24.
 Laundering machine. M. Troy. 1,968,233; July 31.
 Laundry apparatus. N. Stramaglia. 1,965,480; July 3.
 Laundry bag. E. C. Gwaltney. 1,983,451-2; Dec. 4.
 Laundry bag. M. H. Sidebotham. 1,953,027; Mar. 27.
 Laundry machine. J. B. Kirby. 1,957,142; May 1.
 Laundry machine. J. B. Kirby. 1,964,882; July 3.
 Laundry machine. J. B. Kirby. 1,969,177-9; Aug. 7.
 Laundry machine. B. Lindberg. 1,951,157; Mar. 13.
 Laundry machine. T. Martin. 1,960,823; May 29.
 Laundry machine. F. Vettori. 1,979,237; Oct. 30.
 Laundry machinery. F. T. Allen. 1,960,404; May 29.
 Laundry machinery. J. Jessen and O. W. Thomas. 1,960,815; May 29.
 Laundry mechanism and method. L. Pierce. 1,954,261; Apr. 10.
 Laundry press. E. D. Rapisarda. 1,984,496; Dec. 18.
 Laundry press. J. F. Raynolds. 1,966,645; July 17.
 Laundry receptacle. S. Katzman. 1,959,790; May 22.
 Laundry washing machine. E. Knutsen. 1,969,082; Aug. 7.
 Lauryl thiocyanate. P. L. Salzberg and E. W. Bousquet. 1,963,100; June 19.
 Lavage table. B. J. Ryan and M. H. Kowan. 1,945,081; Jan. 30.
 Lavatory. C. H. Zwermann. 1,970,790; Aug. 21.
 Lavatory and medicine cabinet unit, Combined. R. R. Porter. 1,977,143; Oct. 16.
 Lavatory fountain. H. A. Mullett and H. E. Heine. 1,977,079; Oct. 16.
 Lavatory, Shelf back. R. E. Crane. Des. 93,329; Sept. 18.
 Lavatory support. C. H. Zwermann. 1,970,791; Aug. 21.
 Lavatory valve. J. Fraser. 1,970,039; Aug. 14.
 Lavatory waste conduit system. J. Fraser. 1,958,992; May 15.
 Lavo compounds of the 1-hydroxyphenyl-2-aminopropan-1-ol series and preparing them. M. Bochrühl, G. Ehrhart, and L. Stein. 1,951,302; Mar. 13.
 Lawn cultivating tool. F. X. Finkl. 1,965,177; July 3.
 Lawn edger. J. A. Schwarz. 1,964,366; June 26.
 Lawn edger. W. van Kesteren. 1,970,827; Aug. 21.
 Lawn mower blade. J. Sheridan. 1,969,103; Aug. 7.
 Lawn-mower clutch. R. O. Dohm. 1,984,966; Dec. 18.
 Lawn sprinkling device. F. W. Thorold and T. Gregory. 1,953,837; Apr. 3.
 Lawn sprinkling means. E. J. Sweetland. 1,953,518; Apr. 3.
 Lawn sprinkling means and system. E. J. Sweetland. 1,958,385; May 8.
 Lawn tool. E. M. Orlow. 1,951,061; Mar. 13.
 Lawns, yarns, and the like, Device for cleaning. W. M. Guedel. 1,949,904; Mar. 6.
 Lay end and picker guide. T. Holt and W. E. Lundgren. 1,965,120; July 3.
 Lay for bobbin changing looms. H. A. Davis. 1,941,931; Jan. 2.
 Lay guide. C. D. Brown. 1,956,057; Apr. 24.
 Layer cake holder. L. M. Zell. 1,976,237; Oct. 9.
 Layer containing a fluorescent material, Making a. J. H. de Boer and C. J. Dippel. 1,954,691; Apr. 10.
 Layer control for airfoils, Boundary. C. C. Jones. 1,980,139; Nov. 6.
 Layout and apparatus for handling wires or strips. P. R. Johnson, J. Statz, and W. A. Wallsten. 1,980,138; Nov. 6.
 Layout instrument. T. A. Larson. 1,961,500; June 5.
 Lead against corrosion, Protecting. H. Benit. 1,944,778; Jan. 23.
 Lead and angle indicator. H. J. Smith. 1,956,812; May 1.
 Lead and other metals, Method and apparatus for the extrusion of. H. Hill. 1,981,045; Nov. 20.
 Lead bend and the like. R. Dick. 1,977,432; Oct. 16.
 Lead-bismuth alloy, Refining. J. J. Fingland, A. D. Turnbull, and P. F. McIntyre. 1,967,053; July 17.
 Lead bullion, Softening. J. O. Betterton, R. A. Crites, and H. P. Wagner. 1,950,388; Mar. 13.
 Lead carbonate, Making. M. F. Perkins. 1,946,709; Feb. 13.
 Lead for printing presses. H. A. Kittle. 1,963,585; June 19.
 Lead in metallic condition, Obtaining. P. Gamichon. 1,942,208; Jan. 2.
 Lead-in, Multiple tubular. J. F. Lee. 1,944,186; Jan. 23.
 Lead, Manufacture of tetraethyl. W. S. Calcott, A. E. Parmelee, and H. F. Meschter. 1,962,173; June 12.
 Lead oxides in the dry state, Continuous production of. G. Shimadzu. 1,955,465; Dec. 25.
 Lead pencil, Automatic. A. Leistenschneider and K. Kressel. 1,969,085; Aug. 7.
 Lead powder, Production of. L. S. Ishimura. 1,961,296; June 5.
 Lead, Producing tetra alkyl. W. S. Calcott, A. E. Parmelee, and J. L. Stecher. 1,983,535; Dec. 11.
 Lead, Purifying tetra alkyl. A. E. Parmelee. 1,975,171; Oct. 2.
 Lead salts of 3-5 dinitrobenzoic acid, Basic. W. Brün. 1,971,029; Aug. 21.
 Lead-sodium alloy. F. B. Downing and L. S. Bake. 1,979,254; Nov. 6.
 Lead softener drosses, Treatment of. J. O. Betterton, R. A. Crites, and H. P. Wagner. 1,950,389; Mar. 13.
 Lead suboxide to litharge, Apparatus for converting. L. S. Eshimura. 1,979,745; Nov. 6.
 Lead sulphydride, Manufacture of. C. R. Harris. 1,977,440; Oct. 16.
 Lead, tin, and lead-tin alloys, Purifying. E. F. Kern. 1,957,537; May 8.
 Leader pin. E. A. Baumbach. 1,980,174; Nov. 13.
 Leaf guide for cigar filler feeds. P. Peterson. 1,948,594; Feb. 27.
 Leaf spring. G. F. Couch. 1,972,857; Sept. 11.
 Leaf spring. W. D. Taylor. 1,984,902; Dec. 18.
 Leaf spring lubricator. S. H. Gallagher. 1,945,187; Jan. 30.
 Leak detector for gas transmission lines. F. G. Griss. 1,959,863; May 22.
 Leak-proof collapsible tube. G. Aufricht. 1,944,589; Jan. 23.
 Leaks in refrigerating systems, Detecting. C. Dantsizen. 1,967,871; July 24.
 Leaks in threaded joints, Sealing. E. C. Furman and E. F. Heard. 1,946,619; Feb. 13.
 Leaks in threaded joints, Sealing. E. C. Furman and E. F. Heard. 1,971,648; Aug. 28.
 Leather, After-treatment of. M. Bergmann. 1,947,513; Feb. 20.
 Leather and product used in connection therewith, Manufacturing. C. G. Shaw and J. Hoffman. 1,975,671; Oct. 2.
 Leather and products used in connection therewith, Manufacturing. C. G. Shaw and J. Hoffman. 1,959,112; May 15.
 Leather and products used in connection therewith, Manufacturing. C. G. Shaw and J. Hoffman. 1,975,670; Oct. 2.
 Leather, Artificial. M. N. Nickowitz. 1,967,967; July 24.
 Leather, Artificial. M. O. Schur. 1,955,892; Apr. 24.
 Leatherboard product and making the same. H. W. Richter. 1,975,556; Oct. 2.
 Leather brace. L. W. Shields. 1,947,313; Feb. 13.
 Leather, Chrome tanning of. T. Blackadder. 1,985,439; Dec. 25.
 Leather cutting machine. T. Pizze. 1,964,674; June 26.
 Leather, Drying. M. M. Merritt. 1,952,088; Mar. 27.
 Leather, Drying of bark tanned. K. Winkelmüller. 1,963,343; June 19.
 Leather into a fertilizer component, Converting scrap. W. H. MacIntire and G. A. Shuey. 1,963,909; June 19.
 Leather, Making. M. M. Merritt. 1,978,545; Oct. 30.
 Leather, Making artificial. K. Haarbuerger. 1,958,821; May 15.
 Leather manufacture. R. Pasternack and G. O. Gragwall. 1,941,485; Jan. 2.
 Leather manufacture, Artificial. M. O. Schur. 1,956,179; Apr. 24.
 Leather manufacture, Artificial. F. O. Woodruff. 1,945,173; Jan. 30.
 Leather, Manufacture of patent. H. H. Hopkins. 1,954,750; Apr. 10.
 Leather or like material, Treatment of. H. S. Pochin. 1,948,994; Feb. 27.

- Leather or similar article. G. J. Prager. Des. 92,316; May 22.
- Leather, Parti-colored. P. A. Blatz. 1,985,236; Dec. 25.
- Leather, Printed. P. A. Blatz. 1,985,675; Dec. 25.
- Leather producing device. W. Burlingham. 1,950,968; Mar. 13.
- Leather production. G. Chiera. 1,974,861; Sept. 25.
- Leather, Retanning of chrome. T. Blackadder. 1,945,461; Jan. 30.
- Leather roughing tool. H. Jepsen. 1,978,109; Oct. 23.
- Leather splitting machine. S. A. Dobyne. 1,962,486; June 12.
- Leather substitute, Manufacturing a. S. Yamamoto. 1,949,034; Feb. 27.
- Leather substitutes, Making. J. G. Grower. 1,967,529; July 24.
- Leather surfacing machine. E. H. Van Valkenburgh. 1,983,585; Dec. 11.
- Leathers intended for use as shoe-soling, belting, and analogous products, Manufacture of artificial. J. C. Sherman. 1,961,916; June 5.
- Leavening ingredient, Form of. A. H. Fiske. 1,951,328; Mar. 13.
- Leavening process. J. S. Reichert and W. J. Sparks. 1,953,567; Apr. 3.
- Leaves, Mechanism for treating. J. Gough. 1,973,806; Sept. 18.
- Ledeburitic, preliminary iron alloy free from graphite. J. Novak and R. Kesselring. 1,947,656; Feb. 20.
- Leer. A. R. Bethel. 1,979,662; Nov. 6.
- Leer. L. Von Reis. 1,967,761; July 24.
- Leer, Annealing. R. P. Callard. 1,957,132; May 1.
- Leer, annealing furnace, or like apparatus. T. C. Moorshead and F. A. Hurlbut. 1,965,350; July 3.
- Leer feeder. B. McGovern and A. O. Ketchum. 1,967,366; July 24.
- Leer feeder. E. E. Milner. Re19,253; July 24.
- Leer feeder. E. E. Milner. 1,952,680; Mar. 27.
- Leer loader. A. W. Beeson and I. H. Strider. 1,983,593; Dec. 11.
- Leer loader. L. Beon. 1,978,780; Oct. 30.
- Leer stacker. E. F. Anger. 1,957,573; May 8.
- Left-foot feed. G. H. Sweet. 1,941,516; Jan. 2.
- Leg, Artificial. C. L. Freeman. 1,942,053; Jan. 2.
- Leg construction for furniture. W. S. Hallawell. 1,946,620; Feb. 13.
- Leg or post, Collapsible. W. D. Eglinton. 1,955,625; Apr. 17.
- Leg sections, Making artificial. J. J. McCann. 1,953,422; Apr. 3.
- Leg setting apparatus. A. M. Bidwell. 1,978,618; Oct. 30.
- Legging. L. Cleofe. 1,955,487; Apr. 17.
- Legging. K. E. Jensen. 1,963,271; June 19.
- Legging. F. B. Reiss. 1,983,850; Dec. 11.
- Legging and ski pants, Child's. S. J. Buchman. 1,981,088; Nov. 20.
- Lenard ray tube. C. M. Slack. 1,961,715; June 5.
- Length measuring indicator. L. A. Umansky. 1,947,399; Feb. 13.
- Lens. H. P. Gage. 1,960,148; May 22.
- Lens. V. H. Hancock. Re19,142; Apr. 24.
- Lens. H. W. Lee. 1,955,590-1; Apr. 17.
- Lens. J. Speranza. 1,970,345; Aug. 14.
- Lens. A. R. Stahl. 1,951,779; Mar. 20.
- Lens. E. D. Tillyer. 1,948,636; Feb. 27.
- Lens. E. D. Tillyer. 1,952,394; Mar. 27.
- Lens. H. A. Toulmin, jr. 1,949,698; Mar. 6.
- Lens and making same, Optical. H. M. E. Sachs. 1,942,775; Jan. 9.
- Lens and making the same, Bifocal. F. E. Duckwall. 1,951,506; Mar. 20.
- Lens, Auxiliary. J. L. Stafford. 1,950,576; Mar. 13.
- Lens attaching means for cameras. J. Pearlman. 1,984,544; Dec. 18.
- Lens, Bifocal. L. J. Kuehn. 1,982,310; Nov. 27.
- Lens, Bifocal. H. A. Toulmin, jr. 1,949,699; Mar. 6.
- Lens, Bifocal. H. A. Toulmin, jr. 1,958,729; May 15.
- Lens blocking device. H. W. Hill. 1,952,373; Mar. 27.
- Lens clip. B. Spero. Des. 92,213; May 8.
- Lens focusing mechanism. A. Kindelmann and E. Boecking. 1,957,170; May 1.
- Lens for a headlight or the like. A. R. Stahl. Des. 92,325; May 22.
- Lens for headlamps. R. N. Falge. 1,950,978; Mar. 13.
- Lens for imaging spaced objects in register. J. F. Leventhal. 1,974,574; Sept. 25.
- Lens for optical purposes. W. Ewald. 1,943,521; Jan. 16.
- Lens for signal lamps. A. H. Handlan. 1,945,190; Jan. 30.
- Lens for the concentration of solar heat. J. Ylla-Conte. 1,952,237; Mar. 27.
- Lens grinding machine. J. Di Santo. 1,973,527; Sept. 11.
- Lens grinding machine. J. S. Galeski. 1,974,607; Sept. 25.
- Lens grinding machine. R. Kment. 1,981,733; Nov. 20.
- Lens grinding machine. J. E. Marshall. 1,975,854; Oct. 9.
- Lens grinding machine. J. J. McCabe. 1,952,212; Mar. 27.
- Lens grinding machine. J. J. McCabe. 1,984,074; Dec. 11.
- Lens grinding machine. W. C. Priest. 1,979,489; Nov. 6.
- Lens, Headlight. C. H. J. Burger. 1,969,714; Aug. 14.
- Lens holder, adjuster, and aligner for motion picture projection machines. A. Dina. 1,957,200; May 1.
- Lens holder, Ophthalmic. J. W. Aspenleiter. 1,962,800; June 12.
- Lens mounting, Constructing a. R. M. Ostertag. 1,969,029; Aug. 7.
- Lens mounting for eyeglasses. C. I. Theede. 1,961,992; June 5.
- Lens mounts, Attachment for. O. E. Trautmann. 1,971,434; Aug. 28.
- Lens, Multifocal. H. M. E. Sachs. 1,980,880; Nov. 13.
- Lens of variable equivalent focal length. A. Warmisham and I. Cisski. 1,947,669; Feb. 20.
- Lens, Ophthalmic. E. D. Tillyer. 1,957,116-7; May 1.
- Lens, Photographic. W. Merté. 1,967,836; July 24.
- Lens, Photographic and projection. A. Warmisham. 1,955,617; Apr. 17.
- Lens, Photographic objective. B. E. Luboshez. 1,952,268; Mar. 27.
- Lens shade and filter holder for cameras. G. H. Stevens. 1,966,149; July 10.
- Lens, Stop light. J. B. Dickson. 1,944,154; Jan. 23.
- Lens strap. S. E. Bouchard. Des. 91,918; Apr. 10.
- Lens strap. C. O. Cozzens. Des. 91,554; Feb. 20.
- Lens strap for spectacles. E. Pappert. 1,970,472; Aug. 14.
- Lens structure, Double. W. M. Thomas. 1,984,953; Dec. 18.
- Lens structure with prisms. W. M. Thomas. 1,957,371; May 1.
- Lens system. F. N. Hallett and M. P. Anderson. 1,955,850; Apr. 24.
- Lens system. P. Rudolph. 1,945,570; Feb. 6.
- Lens system. W. G. Wolfe. 1,980,147; Nov. 6.
- Lens system and making the same, Anamorphic. H. Chrétien. 1,962,892; June 12.
- Lens system, Double. R. Thomas. 1,949,339; Feb. 27.
- Lens system for motion picture projection, Condensing. J. A. Maurer, jr. 1,946,088; Feb. 6.
- Lens system, Photographic. H. Acht. 1,967,214-15; July 24.
- Lens, take-up device. J. Wolff. 1,951,639; Mar. 20.
- Lens testing instrument. L. V. Foster. 1,984,123; Dec. 11.
- Lens testing instrument. J. J. McCabe. 1,958,275; May 8.
- Lens unit, Variable focus. O. B. Durholz. 1,950,166; Mar. 6.
- Lenses and the like, Device for marking. J. H. Pearson. 1,965,721; July 10.
- Lenses, Manufacture of fused bifocal. E. Culver and A. H. Emerson. 1,971,394; Aug. 28.
- Lenses, Mounting. F. A. Braucht and A. B. Belgard. 1,970,857; Aug. 14.
- Let-off for looms. E. J. Wilson. 1,976,205; Oct. 9.
- Let-off tension device for cloth weaving machines. R. A. Gelette and J. R. Cosgrove. 1,980,857; Nov. 13.
- Letter drop for mail chutes. S. V. Van Riper. 1,976,251; Oct. 9.
- Letter-form, Return. H. Parr. 1,965,389; July 3.
- Letter sheet. H. B. Johnson. 1,960,054; May 22.
- Lettering device for display panels. W. L. Stensgaard. 1,981,574; Nov. 20.
- Lettuce, Disposing of cull. H. Paxton. 1,977,644; Oct. 23.
- Leuco-compounds of vat dyes. J. G. Kern. 1,954,702; Apr. 10.
- Levees, Building. W. E. Philips. 1,980,634; Nov. 13.
- Level and square. B. Rudolf. 1,982,178; Nov. 27.
- Level control system, Automatic. H. A. Wadman and H. W. McIntosh. 1,961,893; June 5.
- Level indicator. H. B. Inglis. 1,955,746; Apr. 24.
- Level indicator and flow regulator. L. E. Hudgens. 1,985,451; Dec. 25.
- Level of liquid in a closed zone, Device for determining the. B. J. Flock. 1,962,187; June 12.
- Level, Pendulum. C. M. Walton. 1,962,045; June 5.
- Level regulator for viscous liquids. W. Thomas. 1,981,530; Nov. 20.
- Level wind mechanism. C. E. Smelser. 1,964,965; July 3.
- Leveling bar. C. Still. 1,979,419; Nov. 6.
- Leveling device. O. M. Carleton. 1,948,508; Feb. 27.
- Leveling device for cigarette machine feeds. G. W. Gwinn. 1,948,575; Feb. 27.
- Leveling machine. G. W. Mudd. 1,981,278; Nov. 20.
- Leveling rod. A. W. Keuffel. 1,957,838; May 8.
- Leveling rod. A. W. Keuffel. 1,971,751; Aug. 28.
- Lever. T. W. Paul. 1,974,973; Sept. 25.
- Lever. O. U. Zerk. 1,947,147; Feb. 13.
- Lever, Brake. E. E. Smith. 1,974,197; Sept. 18.
- Lever for furnaces, Automatic. G. E. Dietz. 1,943,213; Jan. 9.
- Lever hook. W. D. Parker. 1,965,931; July 10.
- Lever, Interrupter. G. J. Lang, L. Beeh, and J. F. Martin. 1,952,321; Mar. 27.
- Lever locking device. E. A. Stratman. 1,944,116; Jan. 16.
- Lever, Operating. J. Schweiss. 1,944,531; Jan. 23.
- Lever pick-up and release, Emergency. E. R. Evans and E. A. Rockwell. 1,947,904; Feb. 20.
- Lever press. O. Rupp. 1,981,198; Nov. 20.
- Lever, Safety. S. N. Nickliss. 1,968,159; July 31.
- Leverage mechanism, Variable. F. N. H. Setterwall. 1,959,308; May 15.
- Lewis and casket rest for burial vaults. W. W. Haase. 1,984,211; Dec. 11.
- License insignia, Nondetachable device, especially for assembling. S. F. Ferguson and A. V. Watkins. 1,950,340; Mar. 6.
- License plate. W. L. Bland. 1,985,227; Dec. 25.

- License plate. T. W. Posey. 1,943,343; Jan. 16.
 License plate frame. S. Kenny. 1,983,614; Dec. 11.
 License plate holder. J. L. McMillin. 1,962,664; June 12.
 License plate holder. A. P. Young. 1,950,205; Mar. 6.
 License plate holder, Automobile. C. R. Davis. 1,943,060; Jan. 9.
 License plate holder for automobiles and the like. R. O. Brown. 1,965,921; July 10.
 License plate, illuminated. C. F. Alpers and W. Hasenbrook. 1,950,283; Mar. 6.
 License plate, illuminated. M. Brown. 1,977,261; Oct. 16.
 License plate lock bar. H. G. Williams. 1,948,554; Feb. 27.
 License plate lock, Motor vehicle. R. W. Stewart. 1,983,105; Dec. 4.
 License tag attachment, Vehicle. R. Lester. 1,964,002; June 26.
 License tag fastening clamp. W. G. Newby. 1,950,322; Mar. 6.
 License tag protection device. A. T. and P. C. Miller. 1,975,796; Oct. 9.
 Licensing of motor vehicles. H. I. Warden. 1,955,569; Apr. 17.
 Lid. B. F. Klein. 1,951,055; Mar. 13.
 Lid, Adjustable fruit box. H. W. Foley. 1,982,652; Dec. 4.
 Lid and retaining means therefor. B. H. Aupke. 1,947,149; Feb. 13.
 Lid connection. M. Stahl. 1,942,310; Jan. 2.
 Lid, cover, stopper, and like closure. E. M. Fronteras and G. Bonora. 1,971,978; Aug. 28.
 Lid for bottles, Self locking coin. J. A. Ringenberg. 1,948,133; Feb. 20.
 Lid for cooking vessels. H. W. Robinson. 1,961,571; June 5.
 Lid for milk cans or like. L. A. Perkins and A. C. Wilson. 1,944,458; Jan. 23.
 Lid, Nestless can. G. H. Steward. 1,944,017; Jan. 16.
 Lid of a box or the like. A. Melin. Des. 92,483; June 12.
 Lid or cover for journal boxes. R. L. Groom and W. L. Ross. 1,968,761; July 31.
 Lid, Saucepan. M. N. Dunlap. 1,948,849; Feb. 27.
 Lid support for cedar chests. G. A. Loftin. 1,960,642; May 29.
 Lidding and strapping machine. H. Paxton. 1,947,917; Feb. 20.
 Lidding and strapping machine, Combined. H. Paxton. 1,955,144; Apr. 17.
 Lids for pressure resisting vessels. H. P. Dean. 1,966,851; July 17.
 Lifeboat launching device. J. R. Dickinson. 1,948,166; Jan. 9.
 Life preserver jacket. F. L. Brown. 1,950,937; Mar. 13.
 Life saving apparatus for submarines. J. D. Salaverria. 1,974,434; Sept. 25.
 Life saving device. E. I. Carlbeck. 1,955,053; Apr. 17.
 Lift. A. Jackson and O. L. Tennant. 1,949,718-19; Mar. 6.
 Lift. A. Jackson and O. L. Tennant. 1,956,797; May 1.
 Lift. R. J. Jauch and R. H. Arnold. 1,985,732; Dec. 25.
 Lift and oil receptacle, Combined hydraulic. C. J. Bristol. 1,949,777; Mar. 6.
 Lift for automobiles. C. J. Bristol. 1,962,924; June 12.
 Lift for automobiles and the like, Hydraulic. I. V. Hott and W. E. Webster. 1,946,937; Feb. 13.
 Lift for bathtubs, Hydraulic. G. Feulner. 1,982,245; Nov. 27.
 Lift, propulsion, and autopropulsion for aircraft, Device combining. J. Lado-Bordowsky. 1,950,915; Mar. 13.
 Lifter. See—
 Brick lifter. Receptacle lifter.
 Fruit jar lifter. Sack lifter.
 Pan lifter. Transom lifter.
 Plate and pan lifter. Valve lifter.
 Poppet valve lifter. Valve spring lifter.
 Rail lifter. Wheel lifter.
 Lifter for hot dishes. H. J. Criner. 1,983,168; Dec. 4.
 Lifting and parking attachment for automobiles. A. A. Thomas. 1,976,308; Oct. 9.
 Lifting and turning device. S. Sorescu, M. Donath, and H. Trauschka. 1,953,442; Apr. 3.
 Lifting apparatus. F. Ackerman. 1,951,118; Mar. 13.
 Lifting apparatus. A. J. Michelin. 1,942,114; Jan. 2.
 Lifting appliance, Transformable. A. and A. Faure. 1,944,972; Jan. 30.
 Lifting cradle for demountable automobile bodies. B. F. Fitch. 1,953,957; Apr. 10.
 Lifting cradle for demountable automobile bodies. B. F. Fitch. 1,957,451; May 8.
 Lifting device. S. G. Jones. 1,976,996; Oct. 16.
 Lifting device. W. Miller. 1,982,225; Nov. 27.
 Lifting device. H. M. Naugle and A. J. Townsend. 1,957,719; May 8.
 Lifting device. F. M. Thomas. 1,956,231; Apr. 24.
 Lifting device, Car. H. Krämer, W. Schumacher, and E. Weisser. 1,969,400; Aug. 7.
 Lifting device for motor and other vehicles. A. I. Logette and E. H. Dainton. 1,975,551; Oct. 2.
 Lifting device, Portable. F. P. Stevenson. 1,962,042; June 5.
 Lifting jack. J. Castañeda. 1,961,659; June 5.
 Lifting jack. E. W. Conrad. 1,954,558; Apr. 10.
 Lifting jack. J. Curok. 1,982,642; Dec. 4.
 Lifting jack. S. G. Nuccio. 1,955,649; Apr. 17.
 Lifting jack. E. Pachowicz. 1,970,619; Aug. 21.
 Lifting jack. F. H. Schwerin. 1,946,242; Feb. 6.
 Lifting jack. W. H. Walker. 1,949,095; Feb. 27.
 Lifting means for automobiles. M. Stewart. 1,951,680; Mar. 20.
 Lifting sling. A. S. Courtney. 1,975,194; Oct. 2.
 Lifting tool. F. A. Hetzel. 1,985,571; Dec. 25.
 Lifts to heels, Applying. W. Kohler and E. Marquardt. 1,959,721; May 22.
 Lifts to heels of shoes, Device for cementing top. W. S. Anderson. 1,966,477; July 17.
 Light. See—
 Airplane landing light. Motor light.
 Automobile guide light. Night light.
 Automobile signal light. Parking light.
 Candle light. Program light.
 Detachable landing light. Safety exit light.
 Electric extension light. Safety light.
 Electric light. Safety pilot light.
 Extension lamp flash light. Safety signal light.
 Firearm light. Signal light.
 Flash light. Telephone light.
 Gaseous signal light. Vacuum tube light.
 Gun pilot light. Vehicle light.
 Landing light.
 Light and clamp therefor, Detachable. R. M. Kidston and M. F. Cummings. 1,954,756; Apr. 10.
 Light and reed hook, Combined. A. Kohut. 1,969,309; Aug. 7.
 Light and reflector, Combined. W. B. Green. 1,951,729; Mar. 20.
 Light and signal control for vehicles. F. I. Getty. 1,971,341; Aug. 28.
 Light, Apparatus for producing or analyzing polarized. C. F. Smith. 1,966,769; July 17.
 Light attachment for mirrors, Side. J. A. Hoegger. 1,948,111; Feb. 20.
 Light beacon for air-traffic and for navigation purposes. P. van Braam van Vloten. 1,961,116; May 29.
 Light beam reflecting and controlling means. J. L. Lehman. 1,969,982; Aug. 14.
 Light bracket. D. M. Yaupp. 1,961,186; June 5.
 Light bulb, Theftproof. V. Leveille. 1,948,386; Feb. 20.
 Light color instrument. M. H. Greenwalt. 1,945,635; Feb. 6.
 Light construction, Super glass vault. G. H. Lenke. 1,946,977; Feb. 13.
 Light control apparatus. W. K. Kearsley. 1,985,097; Dec. 18.
 Light control device. O. T. Francis. 1,976,120; Oct. 9.
 Light control device, Automatic. G. Elfein. 1,974,265; Sept. 18.
 Light control for automotive vehicles, Parking. A. G. McCaleb. 1,946,226; Feb. 6.
 Light control for cameras. G. G. Moreno. 1,966,803; July 17.
 Light control, Gas pilot. E. L. Hall, J. A. Perry, and E. J. Brady. 1,983,227; Dec. 4.
 Light control system. F. W. Lyle. 1,944,751. Jan. 23.
 Light control system. W. M. Trafton. 1,951,495; Mar. 20.
 Light-controlled means for controlling recorders, Method and apparatus for utilizing. C. H. Wilson and C. J. Brown. 1,982,185; Nov. 27.
 Light controlling apparatus. D. E. Replogle. 1,960,090; May 22.
 Light controlling device. E. F. Mekelburg. 1,955,535; Apr. 17.
 Light directing apparatus. O. A. Ross. 1,960,514; May 29.
 Light director, Vehicle. E. S. Timmons. 1,952,615; Mar. 27.
 Light display apparatus. T. Wilfred. 1,973,454; Sept. 11.
 Light distributing device for dials and other surfaces to be illuminated. A. A. Ewald. 1,956,092; Apr. 24.
 Light eliminating and picture cabinet enlarging device. Stray. J. J. Bright and D. P. Lee. 1,954,786; Apr. 17.
 Light filtering overcoating. T. F. Murray, jr. 1,969,473; Aug. 7.
 Light fixture. H. S. Clarke. Des. 91,510; Feb. 20.
 Light fixture, Ceiling. W. F. Kaynor. Des. 91,665; Mar. 6.
 Light fixture, Ceiling. W. F. Kaynor. Des. 92,658-9; July 3.
 Light fixture, Electric. C. Cole. 1,976,657; Oct. 9.
 Light fixture, Electric. L. W. Goetz. 1,984,575; Dec. 18.
 Light fixture, Electric. K. A. Sawin. 1,960,854; May 29.
 Light fixture, Wall. W. F. Kaynor. 91,664; Mar. 6.
 Light flashing apparatus. C. G. Suits. 1,982,361; Nov. 27.
 Light gauging apparatus. G. G. Moreno. 1,980,217; Nov. 13.
 Light illuminating means for displays, Natural. H. C. Turner and H. R. Stacks. 1,971,285; Aug. 21.
 Light in color photography, Lowering the consumption of. H. Bertling. 1,945,768; Feb. 6.
 Light intensify, Device for determining. C. A. Watrous. 1,951,180; Mar. 13.
 Light luminaire, Ultra-violet. T. W. Rolph. 1,945,567; Feb. 6.
 Light, Method and apparatus for measuring. V. A. Schoenberg. 1,960,169; May 22.
 Light, Method and system for proving differences of. H. H. Geffcken and H. R. Richter. 1,985,085; Dec. 18.
 Light-operated mechanism. W. E. Schweitzer. 1,970,579; Aug. 21.
 Light, Production of white. A. Chiera. 1,966,059; July 10.

- Light projecting device. E. Nanfeldt. 1,964,591; June 26.
- Light projection. G. K. and J. M. Harkness. 1,977,477; Oct. 16.
- Light projector. G. A. M. Lamblin-Parent. 1,955,601-3; Apr. 17.
- Light projector. S. L. Lebbby. 1,968,800; July 31.
- Light projector or similar article. J. Levy. Des. 93,933-4; Nov. 27.
- Light ray distributor. D. F. Ainslie. 1,967,140; July 17.
- Light ray projection apparatus. R. P. De Vault. 1,948,516; Feb. 27.
- Light rays, Apparatus for treatment with. R. F. Vestvold. 1,951,569; Mar. 20.
- Light, Reflecting. H. N. Ott. 1,964,075; June 26.
- Light reflecting device. H. L. Jeffery and C. D. Ryder. 1,959,055; May 15.
- Light reflecting device. C. A. Persons. 1,943,621; Jan. 16.
- Light reflecting member. N. Tanquary. 1,977,025; Oct. 16.
- Light relay. L. R. Quarles. 1,977,353; Oct. 16.
- Light sensitive apparatus. H. H. Geffcken and H. R. Richter. 1,985,086; Dec. 18.
- Light sensitive apparatus. L. O. Grondahl and P. H. Geiger. 1,970,135; Aug. 14.
- Light-sensitive apparatus. A. W. Hull. 1,979,226; Oct. 30.
- Light-sensitive cell. A. W. Carpenter. 1,942,958; Jan. 9.
- Light sensitive cell. J. C. Clark. 1,963,692; June 19.
- Light-sensitive cell. F. C. Crowe. 1,972,009; Aug. 28.
- Light sensitive cell. R. S. Lyon. 1,948,766; Feb. 27.
- Light-sensitive device. S. Ruben. Re19,218; June 19.
- Light sensitive device. S. Ruben. 1,941,494; Jan. 2.
- Light-sensitive layer. H. Prüfer and K. Dulik. 1,964,136; June 26.
- Light-sensitive layers, Apparatus for developing. H. Franke. 1,959,233; May 15.
- Light-sensitive layers containing a titanium salt of an organic hydroxyacid and preparing them. W. Krieger. 1,964,358; June 26.
- Light-sensitive tube. G. R. Stillwell. 1,942,501; Jan. 9.
- Light sequences by frequency variation, Transmission of. J. H. Hammond, jr. 1,977,438; Oct. 16.
- Light signal. A. E. Dodd. 1,962,236; June 12.
- Light signal. W. B. Wells. 1,960,765-6; May 29.
- Light signal lens. A. T. Carter and E. W. Moore. 1,942,186; Jan. 2.
- Light source. H. Könemann. 1,951,939; Mar. 20.
- Light, Source of. T. W. Case. 1,975,768; Oct. 9.
- Light structure. S. A. Work. 1,955,042; Apr. 17.
- Light switch, Vehicle operated. A. B. Parker. 1,955,013; Apr. 17.
- Light system, Exciter. A. W. Carpenter. 1,955,943; Apr. 24.
- Light transformer, Night. H. B. Tyler. 1,968,361; July 31.
- Light unit or head, Street. G. W. Brady. 1,967,702; July 24.
- Light valve. A. M. Curtis. 1,943,112; Jan. 9.
- Light valve. E. H. Land. 1,963,496; June 19.
- Lighter. H. Avedon. Des. 92,283; May 22.
- Lighter. J. Copilovich. 1,944,496; Jan. 23.
- Lighter. J. A. Hanley. 1,963,490; June 19.
- Lighter. J. Holtzman. 1,967,885; July 24.
- Lighter. J. Holtzman. 1,969,847; Aug. 14.
- Lighter. H. T. Schiff. Des. 91,637; Feb. 27.
- Lighter. J. A. Zahn. 1,964,839; July 3.
- Lighter actuating mechanism, Gas stove. A. J. French. 1,948,210; Feb. 20.
- Lighter and ash tray, Combined cigarette. H. T. Schiff. Des. 91,968; Apr. 10.
- Lighter and cigarette package holder, Combined cigarette. B. B. Williams. 1,970,158; Aug. 14.
- Lighter and cut-off for burners, Adjustable. F. G. Hausler. 1,958,241; May 8.
- Lighter and dispenser, Electric cigarette. H. H. La Vercombe. 1,984,070; Dec. 11.
- Lighter and ejector, Automatic cigarette. W. A. Lloyd. 1,946,406; Feb. 6.
- Lighter and gas cut-off, Automatic. A. T. Schmidt. 1,977,150; Oct. 16.
- Lighter arrangement, Pyrophoric. L. V. Aronson. 1,941,873; Jan. 2.
- Lighter arrangement, Pyrophoric. L. V. Aronson. 1,943,505; Jan. 16.
- Lighter, Automatic. H. A. Mantz. 1,983,863; Dec. 11.
- Lighter, Automatic safety gas. J. W. Cauli. 1,971,210; Aug. 21.
- Lighter, Cigar. F. J. Abel. Des. 91,916; Apr. 10.
- Lighter, Cigar. J. H. Cohen. 1,944,923-5; Jan. 30.
- Lighter, Cigar. J. H. Cohen. 1,945,597; Feb. 6.
- Lighter, Cigar. J. H. Cohen. 1,959,410; May 22.
- Lighter, Cigar. J. H. Cohen. 1,959,524; May 22.
- Lighter, Cigar. I. Florman. Re19,162; May 8.
- Lighter, Cigar. J. Holtzman. 1,944,177; Jan. 23.
- Lighter, Cigar. D. Pepper. 1,948,186; Feb. 20.
- Lighter, Cigar. J. Sinko. 1,970,711; Aug. 21.
- Lighter, Cigar or cigarette. H. W. Miller. Des. 93,233; Sept. 4.
- Lighter, Cigarette. L. K. Davis. 1,983,738; Dec. 11.
- Lighter, Cigarette and cigar. A. W. Diack. 1,965,795; July 10.
- Lighter construction for gas ranges, Flash. I. V. Brumbaugh, D. D. Burnside, and L. S. Kaufman. 1,957,442; May 8.
- Lighter, Electric. E. M. Soreng. 1,971,585; Aug. 28.
- Lighter, Electric. E. M. Soreng. 1,983,645; Dec. 11.
- Lighter, Electric cigar. H. Bach. 1,946,434; Feb. 6.
- Lighter, Electric cigar. S. L. Wolfson. 1,980,157; Nov. 6.
- Lighter element, Switch-containing cigar. L. Ludwig. 1,956,240; Apr. 24.
- Lighter, Flaming. D. A. Richards. 1,946,719; Feb. 13.
- Lighter for cigars, cigarettes, etc., Electric. L. K. Davis. 1,959,093; May 15.
- Lighter for gas burners. J. F. Malsbary. 1,950,683; Mar. 13.
- Lighter for gaseous fuel burners. O. K. Beckler. 1,981,299; Nov. 20.
- Lighter, Friction. C. Maltner. 1,980,868; Nov. 13.
- Lighter or similar article, Cigar. H. D. McDonald. Des. 92,482; June 12.
- Lighter or similar article, Cigarette. I. Chesler. Des. 92,581; June 26.
- Lighter, Pocket. H. T. Schiff. Des. 92,373; May 29.
- Lighter, Pyrophoric cigar. J. H. Cohen. 1,951,726; Mar. 20.
- Lighter unit and mounting therefor. M. E. Bernhardt. 1,982,493; Nov. 27.
- Lighter, Wick. L. Zwilling. 1,963,345; June 19.
- Lightings. L. L. Beck. 1,957,404; May 1.
- Lighting and ignition system for automobiles. C. H. Braseleton. 1,950,445; Mar. 13.
- Lighting appliance. L. C. Doane. 1,977,378; Oct. 16.
- Lighting appliance. L. C. Doane. 1,978,251; Oct. 23.
- Lighting bulb, Electric street. M. B. Beck and J. D. Whitaker. 1,977,614; Oct. 23.
- Lighting device. O. J. Leins. 1,979,332; Nov. 6.
- Lighting device. H. J. Spanner and U. Doering. 1,969,765; Aug. 14.
- Lighting device. H. E. Toelle. 1,974,319-21; Sept. 18.
- Lighting device. W. A. Villiers. 1,941,503; Jan. 2.
- Lighting device. C. D. Wood. 1,977,105; Oct. 16.
- Lighting device for sewing machines. H. Corral. 1,948,336; Feb. 20.
- Lighting device for telephones. G. Keller. 1,985,172; Dec. 18.
- Lighting device, Instrument board. M. G. Beard. 1,951,783; Mar. 20.
- Lighting device, Sewing machine. H. J. Goosman. 1,955,284; Apr. 17.
- Lighting effect and creating same. R. E. Barclay; 1,952,353; Mar. 27.
- Lighting fixture. G. Ainsworth. 1,957,192; May 1.
- Lighting fixture. G. Arras. 1,950,380; Mar. 13.
- Lighting fixture. S. H. Barnes. 1,982,191; Nov. 27.
- Lighting fixture. L. C. Doane. 1,959,819; May 22.
- Lighting fixture. L. C. Doane. 1,966,583; July 17.
- Lighting fixture. L. C. Doane. 1,982,204; Nov. 27.
- Lighting fixture. A. R. Elmendorf. 1,956,148; Apr. 24.
- Lighting fixture. N. F. Fraser and N. Pearson. 1,954,199; Apr. 10.
- Lighting fixture. G. E. Glatthar and F. Wening. Des. 92,597; June 26.
- Lighting fixture. G. E. Glatthar and F. Wening. 1,941,469-70; Jan. 2.
- Lighting fixture. E. F. Guth. 1,951,406; Mar. 20.
- Lighting fixture. A. A. Henkel and A. F. Wiedenhoeff. 1,952,315; Mar. 27.
- Lighting fixture. O. W. Klingsick. 1,961,934; June 5.
- Lighting fixture. A. P. Leinen. Des. 92,618; June 26.
- Lighting fixture. J. F. Livers. 1,973,086; Sept. 11.
- Lighting fixture. A. O'Neil. 1,965,423; July 3.
- Lighting fixture. C. H. Oppenheimer. 1,950,622; Mar. 13.
- Lighting fixture. R. Orth. 1,977,401; Oct. 16.
- Lighting fixture. L. Schepmoes. 1,950,458; Mar. 13.
- Lighting fixture. L. Schepmoes. 1,955,935; Apr. 24.
- Lighting fixture. H. Tauber. 1,945,168; Jan. 30.
- Lighting fixture. N. T. Thomas. 1,947,118; Feb. 13.
- Lighting fixture. A. F. Wakefield. 1,963,218; June 19.
- Lighting fixture. F. W. Wakefield. 1,969,534; Aug. 7.
- Lighting fixture. W. A. Weiden. 1,975,814; Oct. 9.
- Lighting fixture. G. Wilson. 1,972,637; Sept. 4.
- Lighting fixture, Adjustable. D. G. Saaf. 1,972,056; Aug. 28.
- Lighting fixture bowl or similar article. N. Kopp. Des. 91,781; Mar. 20.
- Lighting fixture, Dual. C. B. Hellmann, J. C. Fisher, and A. J. Lomas. 1,957,139; May 1.
- Lighting fixture, Electric. M. S. Wideroe. Des. 92,636; June 26.
- Lighting fixture for ultra-violet and incandescent lamps. L. C. Doane. 1,976,545; Oct. 9.
- Lighting fixture, Inclosed indirect. S. R. Naysmith. 1,953,816; Apr. 3.
- Lighting fixture, Indirect. L. C. Doane. 1,956,375; Apr. 24.
- Lighting fixture, Ornamental. B. M. Panczner. 1,955,469; Apr. 17.
- Lighting fixture support. J. Levy. 1,977,883; Oct. 23.
- Lighting for Christmas trees, Decorative. E. P. Seghers. 1,974,472; Sept. 25.
- Lighting installation for vehicles. F. H. de Jong. 1,965,308; July 3.
- Lighting luminaire, Street. M. B. Beck and J. D. Whitaker. 1,977,612-13; Oct. 23.
- Lighting mechanism, Pyrophoric. L. V. Aronson. 1,956,187; Apr. 24.
- Lighting outfit, Portable electric. A. Abramson. 1,980,948; Nov. 13.
- Lighting panel and unit therefor. H. J. L. Frank and C. T. Hollingsworth. 1,974,154; Sept. 18.

- Lighting set resistor, Electric. L. G. Handy. 1,954,355; Apr. 10.
- Lighting standard. H. S. Clarke. Des. 92,291; May 22.
- Lighting structure, Refrigerator. F. E. Horn. 1,942,290; Jan. 2.
- Lighting system. H. A. Douglas. 1,964,562; June 26.
- Lighting system and apparatus. T. L. Zauskey. 1,979,658; Nov. 6.
- Lighting system and controls therefor, Electric. H. A. Douglas. 1,982,500; Nov. 27.
- Lighting system, Automobile. C. H. Braselton. 1,981,985; Nov. 27.
- Lighting system for automotive vehicles. H. A. Douglas. 1,946,965; Feb. 13.
- Lighting system for automotive vehicles. W. E. Englehard and K. W. Maebius. 1,972,514; Sept. 4.
- Lighting system for automotive vehicles. H. H. Gordon. 1,945,528; Feb. 6.
- Lighting system for toy automobiles. H. T. Kingsbury. Re19,271; Aug. 14.
- Lighting system for toy automobiles. L. Strohacker. 1,949,088; Feb. 27.
- Lighting system for toy automobiles. L. Strohacker. 1,957,679; May 8.
- Lighting system for vehicles. P. A. Gandillon. 1,965,801; July 10.
- Lighting system, Indirect. R. B. Benjamin. 1,965,170; July 3.
- Lighting system, Series. E. G. Dorgelo, H. A. W. Klinkhamer, and C. Bol. 1,961,741; June 5.
- Lighting system, Street. D. D. Knowles. Re19,199; June 5.
- Lighting unit. J. A. Coy. 1,949,709; Mar. 6.
- Lighting unit. R. A. S. Paget. 1,948,877; Jan. 16.
- Lighting unit. W. Rosebraugh and H. J. Tait. 1,952,335; Mar. 27.
- Lighting unit. H. W. Sulzer. 1,955,985; Apr. 24.
- Lighting unit. D. H. Tuck. 1,975,879; Oct. 9.
- Lighting unit. D. H. Tuck. 1,978,236; Oct. 23.
- Lighting unit. D. H. Tuck and W. Rosebraugh. 1,980,773; Nov. 13.
- Lighting unit, Electric. R. G. Cowan. Des. 92,702; July 10.
- Lighting unit box. M. E. Holy. 1,981,731; Nov. 20.
- Lighting unit, Under water. H. M. Creighton. 1,968,072; July 31.
- Lightning arrester. R. V. Beckett and C. L. Jones. 1,947,076; Feb. 13.
- Lightning arrester. L. S. Brach. 1,947,967; Feb. 20.
- Lightning arrester. A. T. Carter. 1,984,333; Dec. 11.
- Lightning arrester. E. A. Everett. 1,948,701; Feb. 27.
- Lightning arrester. F. Schröter. 1,966,083; July 10.
- Lightning arrester. H. B. Wolf. 1,960,653; May 29.
- Lightning derivatives and making same. G. C. Howard. 1,948,858; Feb. 27.
- Lightning protection for storage tanks. E. R. Schaeffer. 1,974,315; Sept. 18.
- Lignin derivatives and making same. G. C. Howard. 1,981,176; Nov. 20.
- Lignin dispersion and making same. G. C. Howard and C. Harmon. 1,958,624; May 15.
- Limb, Artificial. W. A. McElroy. 1,951,622; Mar. 20.
- Limb heater. M. Lindner. 1,983,907; Dec. 11.
- Lime and manure distributor. A. W. Cargill. 1,947,879; Feb. 13.
- Lime in precipitation, Use of. A. M. Thomsen. 1,965,268; July 3.
- Lime, Production of hydrated. L. G. Sewell and F. P. Stowell. 1,960,756; May 29.
- Lime, Treating. W. J. Kuntz. 1,954,211; Apr. 10.
- Limit gauge. F. O. Wells. 1,952,190; Mar. 27.
- Limit sliding gauge. R. Salzbrenner. 1,969,624; Aug. 7.
- Line and attenuator of constant resistance, Artificial. H. A. Rhodes. 1,948,675; Feb. 27.
- Line attachment. H. V. White. 1,972,725; Sept. 4.
- Line-casting machine. L. Geisert. 1,957,332; May 1.
- Line casting machine. R. H. Turner. 1,959,312; May 15.
- Line casting machine. R. H. Turner. 1,962,973; June 12.
- Line casting machine. R. H. Turner. 1,980,962; Nov. 13.
- Line-casting mold. L. Geisert. 1,941,679; Jan. 2.
- Line composing and type casting machine. S. E. Sperry. 1,944,852; Jan. 23.
- Line composing and type casting machine. S. E. Sperry. 1,964,695; June 26.
- Line control for can making machinery. N. Pelosi. 1,970,574; Aug. 21.
- Line controlled apparatus. J. W. Conklin. 1,970,952; Aug. 21.
- Line guide, Reader's. M. Woodley. 1,977,931; Oct. 23.
- Line holder for electric wires. A. M. Seeger. 1,960,171; May 22.
- Lineman's climber. G. L. Brooks. 1,956,852; May 1.
- Lineman's climbers. R. C. Bailey. 1,983,526; Dec. 11.
- Line protecting device. H. Poleck. 1,978,224; Oct. 23.
- Line stop for typographical machines. S. E. Sperry. 1,985,195; Dec. 18.
- Line tightener. W. J. Miller. 1,982,444; Nov. 27.
- Line, twine and cord. J. W. W. Holden. 1,982,804; Nov. 27.
- Linear induction motor. F. Hedley and J. S. Doyle. 1,950,611; Mar. 13.
- Linear voltage generator. A. M. Nicolson. 1,951,525; Mar. 20.
- Lined container. G. H. Zenner. 1,948,477; Feb. 20.
- Liner and making it, Bag or container. W. W. Rowe. 1,982,920; Dec. 4.
- Liner bag for containers. R. L. Gray. 1,955,385; Apr. 17.
- Liner block for tubular fluid-cooled walls. J. S. Bennett. 1,946,125; Feb. 6.
- Liner feeding mechanism, Automatic. J. J. Williams and J. Bauman. 1,967,646; July 24.
- Liner folding device. J. L. Ferguson. 1,948,657; Feb. 27.
- Liner for freight cars, Foldable. G. O. Lorenz. 1,950,316; Mar. 6.
- Liner for grape shipping boxes. J. D. Martin. 1,980,280; Nov. 13.
- Liner for shipping containers. M. R. Shofer and J. V. Ewers. 1,985,111; Dec. 18.
- Liner for vessels, Sanitary removable. J. B. Herndon, Jr., D. Hope, and C. W. Steen. 1,961,360; June 5.
- Liner for welded pipe joints. T. W. Greene. 1,960,105; May 22.
- Liner in a tire, Securing a reenforcing. H. J. Woock. 1,980,565; Nov. 13.
- Liner packing sleeve. J. M. Shimer. 1,947,623; Feb. 20.
- Liner, Plastic wax board. D. M. Gray. 1,968,140; July 31.
- Liner pump. J. Penrod. 1,958,170; May 8.
- Linerless mold. A. L. Gagné and J. A. Snyder. 1,947,390; Feb. 13.
- Liners, Apparatus for making. A. E. F. Moone. 1,979,985; Nov. 6.
- Lining element for shoes. W. J. and A. T. Prewitt. 1,965,431; July 3.
- Lining for crucibles and the like, Refractory. H. Schultz. 1,944,278; Jan. 23.
- Lining for fruit baskets. R. L. Steele, 3d. Re19,167; May 15.
- Lining for Jordan engines, Shell. F. M. Gloyd. 1,963,787; June 19.
- Lining for rubber and making the same. G. J. Foley. 1,960,437; May 29.
- Lining for stoves or ranges, Removable burner box. C. H. and R. F. Hoffstetter. 1,962,819; June 12.
- Lining for vessels holding oil. G. Egloff and C. D. Lowry, Jr. 1,952,705; Mar. 27.
- Lining for vessels, Protective. L. A. Mekler. 1,968,088; July 31.
- Lining for walls or other partitions, Decorative. G. Désagnat. 1,976,986; Oct. 16.
- Lining, Furnace. R. P. Thompson. 1,963,157; June 19.
- Lining, Garbage can. L. A. Dubbs. 1,947,835; Feb. 20.
- Lining, Grave. M. Lange. 1,946,976; Feb. 13.
- Lining in cracking vessels, Protective. T. Montgomery and J. C. Morrison. 1,948,391; Feb. 20.
- Lining, Manufacture of brake. A. Rosner. 1,964,177; June 26.
- Lining or the like, Drawer. L. F. Worth. 1,941,922; Jan. 2.
- Lining plugging machine. H. E. Sunbury. 1,960,881; May 29.
- Lining, Tunnel. M. McAlpine. 1,969,810; Aug. 14.
- Linen wringing machine. K. Kemper. 1,968,690; July 31.
- Lingerie drier. F. K. Tuttle. 1,948,014; Feb. 20.
- Lingerie pln. M. R. Nixon. 1,949,974; Mar. 6.
- Lingerie strap holder. R. Moore. 1,966,867; July 17.
- Link and arm, Jointed. R. S. M. Mitchell. 1,977,450; Oct. 16.
- Link for chains, Connecting. G. G. Mize. 1,947,421; Feb. 13.
- Link for cross chains for non-skid devices. E. E. Smith. 1,981,394; Nov. 20.
- Link for cross chains, Repair. M. Zaiger. 1,977,222; Oct. 16.
- Link, Making a weldless. C. J. Miller. 1,959,489; May 22.
- Link, Separable. G. E. Williams. 1,980,126; Nov. 6.
- Link unit for concealed hinges. J. Soss. 1,984,092; Dec. 11.
- Linoleum and its manufacture. A. B. Miller. 1,969,272; Aug. 7.
- Linoleum and manufacture. R. D. Bonney and W. S. Egge. 1,985,200; Dec. 18.
- Linoleum installation. E. Hazlehurst. 1,968,204; July 31.
- Linoleum, Installation of. W. B. Coleman. 1,968,246; July 31.
- Linoleum, Manufacturing. W. Veit. 1,975,883; Oct. 9.
- Lint stripper. J. H. Riedling. 1,944,271; Jan. 23.
- Lip for glass melting tanks, Adjustable. J. H. Fox. 1,984,923; Dec. 18.
- Lip-shield. A. R. Gilchrist. 1,949,013; Feb. 27.
- Lip stick. A. Mitchell. 1,953,251; Apr. 3.
- Lip stick. A. Mitchell. 1,970,615; Aug. 21.
- Lip stick. P. A. Reutter. 1,947,738; Feb. 20.
- Lip stick case. C. S. Gage. Des. 92,169; May 8.
- Lip stick container. E. M. Cox. Des. 92,230; May 15.
- Lip stick container. E. S. Ireland. 1,983,083; Dec. 4.
- Lip stick, Device for use in applying. M. Libby. 1,944,691; Jan. 23.
- Lip stick, Finger-ring. M. Fox. 1,952,203; Mar. 27.
- Lip-stick holder. J. and H. Boness. 1,972,472; Sept. 4.
- Lip-stick holder. H. H. Harris. Des. 91,270; Jan. 2.
- Lip-stick holder. S. G. Hickox. 1,955,295; Apr. 17.
- Lip stick holder. A. Mitchell. 1,977,733; Oct. 23.
- Lip stick holder. W. T. Parkin. 1,953,910; Apr. 3.
- Lipstick holder. W. T. Parkin. 1,953,911; Apr. 3.
- Lip-stick holder. W. E. Powers. 1,950,324; Mar. 6.
- Lip stick holder. K. L. Tooker. 1,958,524; May 15.

- Lipstick holder and dispenser. E. G. Lundberg. 1,975,645; Oct. 2.
- Lipstick holder or the like. S. Morrison. 1,969,027; Aug. 7.
- Lip stick holder or the like. S. Morrison. 1,978,909; Oct. 30.
- Lipstick receptacle. E. S. Cornell, jr. 1,974,418; Sept. 25.
- Lipsticks and the like, Apparatus for and process of making. J. M. Camagni. 1,945,255; Jan. 30.
- Liquefier screw cover. T. F. Lundy. 1,961,298; June 5.
- Liquid agitating means. W. H. Lush. 1,971,987; Aug. 28.
- Liquid and air heating apparatus. E. H. McCathron. 1,983,140; Dec. 4.
- Liquid and gas separation. J. P. Walker. 1,970,784; Aug. 21.
- Liquid and gas separator. R. Battle and F. I. Ross. 1,950,285; Mar. 6.
- Liquid and gas spray pump. W. D. Carter. 1,943,234; Jan. 9.
- Liquid, Apparatus for controlling characteristics of a. Z. J. Kegl and H. M. Larsen. 1,944,243; Jan. 23.
- Liquid, Apparatus for lifting. D. B. Knight. 1,954,187; Apr. 10.
- Liquid applicator. W. W. S. Carpenter. 1,954,068; Apr. 10.
- Liquid boiler. B. P. Coulson, jr. 1,948,369; Feb. 20.
- Liquid boiler. A. J. Nerad. 1,948,355; Feb. 20.
- Liquid can filling machine. W. G. Stevens. 1,959,694; May 22.
- Liquid circulating device. S. Garshelis. 1,951,904; Mar. 20.
- Liquid concentration control apparatus. K. C. D. Hickman. 1,942,859; Jan. 9.
- Liquid container. A. Diesbourg. 1,942,957; Jan. 9.
- Liquid container. E. D. Sloan. 1,966,144; July 10.
- Liquid containing tar acid, Treating. J. A. Shaw. 1,957,295; May 1.
- Liquid cooler. A. H. Baer. 1,978,616; Oct. 30.
- Liquid cooler. F. W. Moore. 1,973,291; Sept. 11.
- Liquid cooling apparatus. F. R. Ryberg. 1,966,648; July 17.
- Liquid cooling apparatus. L. Samel. 1,985,263; Dec. 25.
- Liquid cooling device. J. S. MacArthur. 1,972,782; Sept. 4.
- Liquid dispenser. P. B. Brown. 1,953,102; Apr. 3.
- Liquid dispenser. P. W. Du Par. Des. 91,479; Feb. 13.
- Liquid dispenser. C. O. Griffin. Des. 91,873; Apr. 3.
- Liquid dispenser. L. H. Hyatt. 1,957,962; May 8.
- Liquid dispenser. H. M. Nicholls. 1,970,573; Aug. 21.
- Liquid dispenser. A. D. Olds. Des. 93,357; Sept. 18.
- Liquid dispenser. W. J. Peter. 1,978,597; Oct. 30.
- Liquid dispenser. W. M. Sample and O. O. Langdon. 1,947,310; Feb. 13.
- Liquid dispenser. J. B. Schmitt. 1,968,316; July 31.
- Liquid dispenser. P. S. Shield. 1,981,335; Nov. 20.
- Liquid dispenser. M. E. Zimmerer. 1,949,639; Mar. 6.
- Liquid dispenser, Automatic. J. L. Patterson. 1,982,535; Nov. 27.
- Liquid dispenser, Nonrefillable. V. J. Gianelloni. 1,967,358; July 24.
- Liquid dispenser, Selective. L. Nassif. 1,964,362; June 26.
- Liquid dispensing and cooling device. G. Felesina and W. Bellmer. 1,979,323; Nov. 6.
- Liquid dispensing apparatus. K. E. Bemis. 1,946,519; Feb. 13.
- Liquid dispensing apparatus. W. H. De Lancey. 1,970,361; Aug. 14.
- Liquid dispensing apparatus. J. P. Hanna and E. H. Bradley. 1,974,649; Sept. 25.
- Liquid dispensing apparatus. T. Lennard. 1,970,893; Aug. 21.
- Liquid-dispensing apparatus. T. J. Nelisworth. 1,979,076; Oct. 30.
- Liquid dispensing apparatus. J. Retsema. 1,957,910; May 8.
- Liquid dispensing apparatus. J. Retsema. 1,972,830; Sept. 4.
- Liquid-dispensing apparatus. A. T. Snow. 1,955,712; Apr. 17.
- Liquid dispensing apparatus. W. Vachoux. 1,943,194; Jan. 9.
- Liquid dispensing apparatus. H. D. Winton. 1,974,857; Sept. 25.
- Liquid dispensing apparatus. J. C. Woodford. 1,973,677; Sept. 11.
- Liquid-dispensing can, Nonrefillable. G. S. Miller. 1,952,558; Mar. 27.
- Liquid dispensing device. W. H. Bonney. 1,945,725; Feb. 6.
- Liquid dispensing device. A. M. Cramer. 1,965,069; July 3.
- Liquid dispensing device. E. L. Nall. 1,964,644; June 26.
- Liquid dispensing device. T. C. Rothfus. 1,976,635; Oct. 9.
- Liquid dispensing device. L. L. Witter. 1,984,296; Dec. 11.
- Liquid dispensing pump. A. Larsen. 1,944,288; Jan. 23.
- Liquid dispensers, Process of and apparatus for producing. P. Klein and A. Szegevari. 1,956,293; Apr. 24.
- Liquid displacement meter. R. E. Bechtold. 1,980,949; Nov. 13.
- Liquid distribution, Central. J. Bijur. 1,968,023; July 31.
- Liquid expresser. L. F. Ducker. 1,968,638; July 31.
- Liquid feed device. P. B. Renfrew. 1,958,395; May 8.
- Liquid feed device. P. B. Renfrew. 1,982,021; Nov. 27.
- Liquid-feed proportioning device. E. A. Bailey. 1,943,362; Jan. 16.
- Liquid feed system. P. B. Renfrew. 1,958,396; May 8.
- Liquid feeder. G. O. Brumm. 1,977,571; Oct. 16.
- Liquid feeding device. J. N. Smith. 1,958,398; May 8.
- Liquid feeding mechanism. R. K. Swain and R. O. Davis. 1,942,908; Jan. 9.
- Liquid filling and measuring apparatus. M. Schnaier. 1,955,441; Apr. 17.
- Liquid filter. C. R. O. Lawes. 1,951,484; Mar. 20.
- Liquid flow indicator. D. J. Nelson and H. Y. Henning. 1,964,784; July 3.
- Liquid flow regulating valve. M. De Lin. 1,946,734; Feb. 13.
- Liquid flushing for discharge electrodes. H. A. Wintermute. 1,959,752; May 22.
- Liquid for circuit interrupters and the like, Arc extinguishing. G. F. McMahon. 1,966,901; July 17.
- Liquid for electrical purposes and apparatus containing same. O. Mayr. 1,967,095; July 17.
- Liquid for transferring energy and lubricating. E. Muench and H. Ufer. 1,984,421; Dec. 18.
- Liquid from air storage tanks, Removing. I. L. Eastman. 1,960,304; May 29.
- Liquid fuel burner. E. T. and A. H. Babcock. 1,941,820; Jan. 2.
- Liquid fuel burner. J. Fletcher. 1,980,132; Nov. 6.
- Liquid fuel burner. A. J. Gilbert. 1,960,845; May 29.
- Liquid fuel burner. H. F. Melot. 1,979,757; Nov. 6.
- Liquid fuel burner. R. M. Sherman and F. F. Neumann. 1,976,041; Oct. 9.
- Liquid fuel burner, Multiring. W. E. Taft. 1,974,437; Sept. 25.
- Liquid-fuel storage and supply system. C. H. Kenneweg. 1,953,808; Apr. 3.
- Liquid gauge. D. M. Carpenter. 1,956,560; May 1.
- Liquid gauge. J. D. Durant. 1,969,783; Aug. 14.
- Liquid gauge. W. Goerg. 1,981,854; Nov. 20.
- Liquid gauge. P. A. Jerguson. 1,947,910; Feb. 20.
- Liquid gauge. F. E. Wocel. 1,969,679; Aug. 7.
- Liquid handling apparatus. W. Astle. 1,963,519; June 19.
- Liquid hardener solution. L. E. Muehler. 1,981,426; Nov. 20.
- Liquid heater. C. E. Allen. 1,968,549; July 31.
- Liquid heater. H. R. Olver. 1,946,031; Feb. 6.
- Liquid heater, Maintained temperature. L. B. Green. 1,952,856; Mar. 27.
- Liquid, Industrial. G. Braun. 1,966,881; July 17.
- Liquid injecting and ejecting apparatus. G. M. Nell. 1,984,422; Dec. 18.
- Liquid level control. G. Wunsch. 1,959,890; May 22.
- Liquid level control device. A. E. Calkins. 1,981,800; Nov. 20.
- Liquid level control mechanism. A. B. Mojonniel. 1,956,077; Apr. 24.
- Liquid level controlling means. E. Duhme. 1,942,241; Jan. 2.
- Liquid level gauge. N. W. Cummings. 1,943,207; Jan. 9.
- Liquid level gauge. O. L. Ingram. 1,945,042; Jan. 30.
- Liquid level gauge. R. Schiske. 1,945,203; Jan. 30.
- Liquid level gauge. A. Schweizer. 1,967,631; July 24.
- Liquid level in the cells of a storage battery, Apparatus for maintaining the proper. J. L. Woodbridge. 1,967,800; July 24.
- Liquid level indicating device. C. H. Colvin. 1,978,987; Oct. 30.
- Liquid level indicating means. R. von Brockdorff. 1,978,392; Oct. 23.
- Liquid level indicating means, Auxiliary. W. G. Nagel. 1,976,266; Oct. 9.
- Liquid-level indicator. A. Bargeboer. 1,971,806; Aug. 28.
- Liquid level indicator. C. A. de Giers. 1,945,736; Feb. 6.
- Liquid level indicator. A. Haltmeier. 1,956,920; May 1.
- Liquid level indicator. W. E. Harding. 1,976,783; Oct. 36.
- Liquid level indicator. F. McNeill. 1,944,943; Jan. 30.
- Liquid level indicator. E. A. Rockwell. 1,958,205; May 8.
- Liquid level indicator. G. L. Sherwood. 1,984,000; Dec. 11.
- Liquid level regulating apparatus. E. Kagi. 1,982,108; Nov. 27.
- Liquid level regulator. J. E. Fowler. 1,945,429; Jan. 30.
- Liquid levels, Indicating. H. H. Welch. 1,960,400-1; May 29.
- Liquid measuring and dispensing device, Automatic coin operated. E. Getaz. 1,942,330; Jan. 2.
- Liquid measuring device. F. D. Chapman. 1,959,122; May 15.
- Liquid measuring device. F. J. Curtis. 1,969,966; Aug. 14.
- Liquid measuring means. F. D. Pfening and H. Pfening, jr. 1,954,024; Apr. 10.
- Liquid measuring pump. L. A. Prescott. 1,962,934; June 12.
- Liquid meter. R. S. Bassett. 1,941,925; Jan. 2.
- Liquid meter. R. S. Bassett. 1,985,397; Dec. 25.
- Liquid meter. A. J. Granberg. 1,971,559; Aug. 28.
- Liquid meter. N. J. Miano. 1,969,024; Aug. 7.
- Liquid, more especially a petroleum distillate, with another immiscible liquid, Process and apparatus for the treatment of a. A. E. Holly and O. E. Mott. 1,953,651; Apr. 3.
- Liquid pressure equalizer. J. A. Lupfer. 1,948,988; Feb. 27.

- Liquid pressure mechanism. B. Dick. 1,967,664; July 24.
- Liquid products from carbonaceous materials, Production of valuable. C. Krauch, M. Pier, and K. Winkler. 1,957,787; May 8.
- Liquid projecting device. C. E. Howett. 1,983,461; Dec. 4.
- Liquid pump. R. S. Bassett. Re19,884; Nov. 27.
- Liquid pump. R. S. Bassett. 1,984,391; Dec. 18.
- Liquid pump. P. S. Morgan. 1,981,965; Nov. 27.
- Liquid pumping and circulating system. C. L. Stokes. 1,954,461; Apr. 10.
- Liquid pumping mechanism. W. F. Traudt. 1,965,733; July 10.
- Liquid purification. J. T. Welsh. 1,984,003; Dec. 11.
- Liquid sampler and method for sampling liquids. W. B. Lerch. 1,950,854; Mar. 13.
- Liquid saturating or coating material and making same. I. J. Novak. 1,952,725; Mar. 27.
- Liquid separating device. W. K. Edwards. 1,968,131; July 31.
- Liquid separator. L. L. Lawson and P. Sand. 1,955,853; Apr. 24.
- Liquid spray machine. C. A. Thompson and R. E. Underwood. 1,974,166; Sept. 18.
- Liquid testing device. F. S. Stickney. 1,982,328; Nov. 27.
- Liquid transportation and storage apparatus. H. A. Stendrup. 1,949,981; Mar. 6.
- Liquid trap for refrigerating systems. C. B. Yount. 1,985,134; Dec. 18.
- Liquid trap or seal and making the same. E. K. Madan. 1,977,885; Oct. 23.
- Liquid treating and bottling apparatus. A. H. Boileau and A. J. Lippold. 1,976,768; Oct. 16.
- Liquid treating apparatus. R. F. Goecke. 1,971,557; Aug. 28.
- Liquid treating apparatus. V. A. Rohlin. 1,969,278; Aug. 7.
- Liquid treating device. E. V. Nagy and A. C. Elder. 1,984,689; Dec. 18.
- Liquid vending machine. C. P. Larson. 1,952,081; Mar. 27.
- Liquids and gases, Apparatus for treating. A. F. Clarke. 1,973,141; Sept. 11.
- Liquids and gases from manholes, pits, and the like, Method and apparatus for removing. M. C. Reed. 1,942,570; Jan. 9.
- Liquids and gases into intimate contact, Apparatus for bringing. E. H. Berkhuijsen. 1,985,010; Dec. 18.
- Liquids and semisolids, Desiccating. W. J. Elser. 1,970,956; Aug. 21.
- Liquids and the like, Apparatus for coking bituminous. L. C. Karrick. 1,942,650; Jan. 9.
- Liquids, Apparatus for aerating fermenting. E. Stich. 1,959,554; May 22.
- Liquids, Apparatus for and method of treating. C. E. Bonine. 1,956,411; Apr. 24.
- Liquids, Apparatus for carbonating and dispensing. W. L. Smith. 1,957,854; May 8.
- Liquids, Apparatus for controlling the level of. H. H. Marshall. 1,944,716; Jan. 23.
- Liquids, Apparatus for cooling. A. B. Sidéris. 1,962,845; June 12.
- Liquids, Apparatus for cooling and aerating. W. P. Heath. 1,965,836; July 10.
- Liquids, Apparatus for counter-current treatment of two immiscible. T. C. Whitner, jr. 1,981,818; Nov. 20.
- Liquids, Apparatus for decolorizing and filtering. C. Tietig. 1,957,303; May 1.
- Liquids, Apparatus for disseminating solids in. E. Cowles. 1,944,836; Jan. 23.
- Liquids, Apparatus for expressing. N. Crane. 1,985,485; Dec. 25.
- Liquids, Apparatus for preserving and dispensing. C. F. MacGill. 1,983,381; Dec. 4.
- Liquids, Apparatus for sampling. W. G. Kent. 1,985,173; Dec. 18.
- Liquids, Apparatus for separating. B. D. Comyn. 1,984,057; Dec. 11.
- Liquids, Apparatus for storing and transfusing ignitable. A. Weingessel. 1,965,089; July 3.
- Liquids, Apparatus for straining or filtering. F. C. Fulcher. 1,975,393; Oct. 2.
- Liquids, Apparatus for the electrolytic treatment of. J. Müller. 1,966,102; July 10.
- Liquids, Apparatus for the separation of particles from. A. M. R. Karlstrom. 1,943,180; Jan. 9.
- Liquids, Apparatus for the treatment of. F. Phllabert. 1,956,132; Apr. 24.
- Liquids, Apparatus for treating. M. Shoeld. 1,952,099; Mar. 27.
- Liquids by treatment with chlorine, Method and device for purifying aqueous. G. Ornstein. 1,944,804; Jan. 23.
- Liquids containing active principles or hormones from parathyroid glands, Preparing. N. Evers, C. J. Eastland, and J. H. Thompson. 1,984,260; Dec. 11.
- Liquids, Device for drawing. J. C. Glomb. 1,956,919; May 1.
- Liquids, Disposing of nuisance. J. M. Perkins. 1,945,328; Jan. 30.
- Liquids, Electro-osmotic purification of. O. Gerth. 1,949,467; Mar. 6.
- Liquids, Fractionation of. E. B. Conklin and J. J. Lawton. 1,954,790; Apr. 17.
- Liquids in cisterns and the like, Retention of. N. A. Morro and C. S. Scott. 1,947,304; Feb. 13.
- Liquids in receptacles, Apparatus for carbonating. F. J. Biane and S. B. Rowe. 1,943,753; Jan. 16.
- Liquids insoluble in each other, Apparatus for washing. H. Schoneborn. 1,949,696; Mar. 6.
- Liquids, Method and apparatus for evaporating and cooling. G. A. Connell, T. M. Cramer, and H. B. Caldwell. 1,972,730; Sept. 4.
- Liquids, Method and apparatus for preventing foaming of. L. O. Gunderson. 1,984,210; Dec. 11.
- Liquids, Method and apparatus for proportioning. S. D. Clitherto and R. G. Barlow. 1,977,171; Oct. 16.
- Liquids, Method and apparatus for pumping and separating. C. H. Bunn, jr. 1,973,607; Sept. 11.
- Liquids, Method and apparatus for storing and shipping. R. John. 1,975,428; Oct. 2.
- Liquids, Method and apparatus for treating. H. A. Blum. 1,978,928; Oct. 30.
- Liquids, Method of and apparatus for aerating. W. Hucks. 1,975,722; Oct. 2.
- Liquids, Method of and apparatus for heating and degasifying. G. H. Gibson and V. A. Rohlin. 1,943,890; Jan. 16.
- Liquids, Method of and apparatus for regulating the viscosity of. D. P. Graham. 1,975,937; Oct. 9.
- Liquids, Method of and apparatus for the rapid freezing of. N. Snitkin. 1,970,437; Aug. 14.
- Liquids of different gravity, Apparatus for separating. W. Linnmann, jr. 1,958,054; May 8.
- Liquids or semiliquids, Apparatus for treating. H. and B. Hibbert. 1,973,709; Sept. 18.
- Liquids, Purifying. C. J. Smith. 1,964,487; June 26.
- Liquids, Purifying. C. O. Young. 1,968,512; July 31.
- Liquids, Sampling. W. C. Nidever and E. Armbruster. 1,964,270; June 26.
- Liquids, Spraying. E. B. Sutherland. 1,978,034; Oct. 23.
- Liquids through conduits and the like, Slugging. J. L. Irvin. 1,966,819; July 17.
- Liquids, Treating. J. N. Jacobsen. 1,960,012; May 22.
- Liquids, Treating. J. N. Jacobsen. 1,973,531; Sept. 11.
- Liquids, Treating. W. C. Laughlin. 1,945,051; Jan. 30.
- Liquids, Treating. J. A. Shaw. 1,956,597; May 1.
- Liquids, Treating sugar containing. A. Lima, jr. 1,953,653; Apr. 3.
- Liquids, Treatment of. W. L. Spalding. 1,948,948; Feb. 27.
- Liquids under counterpressure, Arrangement for transferring gaseous. G. Stern. 1,985,355; Dec. 25.
- Liquids used in motor vehicle and the like engines, Apparatus for preventing undue chilling or freezing of. C. Mather. 1,962,932; June 12.
- Liquids, Vacuum distillation of. F. X. Govers. 1,959,714; May 22.
- Liquids with gases, Treatment of. G. MacLean. 1,976,956; Oct. 16.
- Liquids with solids, Apparatus for treating. W. F. Van Loenen. 1,967,601; July 24.
- Liquor to a smelting furnace, Feeding black. A. G. Kernin. 1,985,504; Dec. 25.
- Liquors, Aging and maturing raw alcoholic. J. B. Gosch. 1,963,165; June 19.
- Liquors and recovering values therefrom, Purifying phenolic. O. M. Urbain. 1,974,000; Sept. 18.
- Liquors, Process and apparatus for dry lime treatment of. D. D. Mohler and W. N. Henderson. 1,962,150; June 12.
- Liquors, Treating black. E. G. Goodell. Re19,240; July 17.
- Liquors, Treatment of digester. A. D. Merrill. 1,945,504; Jan. 30.
- Lister. C. G. Strandlund. 1,957,738; May 8.
- Lister cultivator attachment. W. S. Graham and G. J. Olson. 1,946,686; Feb. 13.
- Lister planter attachment for tractors. W. S. Graham. 1,946,685; Feb. 13.
- Lithic timbers, Apparatus for molding. A. J. Meier. 1,968,774; July 31.
- Lithographic process. D. V. Gerking. 1,961,927; June 5.
- Lithographing plate cylinder. W. R. Hotchkiss. 1,966,121; July 10.
- Lithopone, Manufacture of. J. Guillesen. 1,975,716; Oct. 2.
- Litter or carriage, Tractional hospital. F. and F. Koenigkramer. 1,981,271; Nov. 20.
- Load bracing means for railway cars and other transport. J. McMullen and J. T. Gallagher. 1,970,610; Aug. 21.
- Load equalizing means for dual tired wheels. E. L. Bowen. 1,964,105; June 26.
- Load interchange, System for regulating. O. Plechl. 1,984,940; Dec. 18.
- Load operating means. C. Cakora. 1,975,633; Oct. 2.
- Load transmission joint for roads. R. R. Robertson. 1,956,809; May 1.
- Loader, Automatic. G. M. Souter. 1,974,668; Sept. 25.
- Loader, Conveyor truck. A. Janson. 1,941,986; Jan. 2.
- Loader for zinc furnaces and the like. R. E. McBee. 1,975,855; Oct. 9.
- Loader, Hay. F. D. Jones. 1,959,239; May 15.
- Loader, Hay. H. Synck. 1,980,835; Nov. 13.
- Loader, Hydraulically operated automatic refuse. E. Zeuthen. 1,953,579; Apr. 3.
- Loader mechanism. W. A. Morton and C. A. Nielsen. 1,968,501; July 31.
- Loader, Truck. W. E. McCarron. 1,943,614; Jan. 16.
- Loading and topping machine for cotton and the like. H. K. Milner. 1,956,650; May 1.

- Loading and transporting equipment, Combined. D. A. Sargent. 1,943,398; Jan. 16.
- Loading and unloading mechanism for machine tools. E. R. Smith. 1,945,662; Feb. 6.
- Loading blocks, Making automobile. H. H. Houston. 1,965,341; July 3.
- Loading device. A. E. Creasy and C. A. Blake. 1,964,621; June 26.
- Loading device especially for trucks. F. Brauner. 1,944,063; Jan. 16.
- Loading device for strapping machines. N. F. Parker. 1,982,230; Nov. 27.
- Loading equipment. H. L. Williams. 1,983,113-14; Dec. 4.
- Loading machine. W. H. Bosworth. 1,942,798; Jan. 9.
- Loading machine. C. F. Osgood. 1,966,459; July 17.
- Loading mechanism, Break-down. E. Keller. 1,955,551; Apr. 17.
- Loading or handling mechanism. E. W. Weed. 1,955,781; Apr. 24.
- Loads carried by twin tires, Arrangement for balancing. P. M. Bourdon. 1,974,009; Sept. 18.
- Loaf-slicing attachment for bread wrapping machines. F. R. Schmitt. 1,951,678; Mar. 20.
- Loaves of bread or the like, Marking. L. Thompson. 1,977,460; Oct. 16.
- Lobelia alkaloids, their derivatives, and allied compounds, Preparing. H. Wieland. 1,946,345; Feb. 6.
- Location in progress over a given area, Determining. J. P. Shanklin. 1,942,262; Jan. 2.
- Lock: See—
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| Antiburglar lock. | Index combination lock. |
| Antijimmy lock. | Key-permutation lock. |
| Automatic rope lock. | Keyless lock. |
| Automatic window lock. | Ladder and section lock. |
| Automobile body lock. | License plate lock. |
| Automobile hood lock. | Manually operated and electrically latched lock. |
| Automobile lock. | Manually operated lock. |
| Bag lock. | Mechanical lock. |
| Bicycle lock. | Milk bottle lock. |
| Bolt and nut lock. | Mortised lock. |
| Bolt lock. | Multiple bolt lock. |
| Brake lock. | Nut lock. |
| Car door lock. | Pay station telephone lock. |
| Car truck bolster lock. | Permutation lock. |
| Changeable key lock. | Permutation lock. |
| Check lock. | Pin lock. |
| Click lock. | Plaster lock. |
| Clutch pedal lock. | Portfolio lock. |
| Combination lock. | Progressive release lock. |
| Compartment lock. | Pull-cord lock. |
| Corner lock. | Puzzle lock. |
| Cover lock. | Removable core lock. |
| Cutter blade lock. | Reverse safety lock. |
| Cylinder lock. | Rotary bolt lock. |
| Deck lid lock. | Safety lock. |
| Door or like lock. | Sash lock. |
| Double lock. | Security lock. |
| Dual adjustable lock. | Shingle nail lock. |
| Electric lock. | Spare tire lock. |
| Electromagnetic lock. | Switch point lock. |
| Fifth wheel lock. | Switch stand lock. |
| Fuel tank lock. | Tank cap lock. |
| Gas tank cap lock. | Telephone lock. |
| Gas valve lock. | Thermostat lock. |
| Gasoline tank lock. | Time lock. |
| Gear lock. | Tire cover lock. |
| Grease pump lock. | Valve gear lock. |
| Hand operated lock. | Valve lock. |
| Hasp lock. | Wheel lock. |
| Hinged pin lock. | Window lock. |
| Hook lock. | Wrist pin lock. |
| Ignition circuit and other lock. | |
- Lock. W. T. Bacon. 1,958,603; May 15.
- Lock. C. E. Beach and G. E. King. 1,949,406; Mar. 6.
- Lock. H. Biemer. 1,979,186; Oct. 30.
- Lock. K. A. Brauning. 1,971,596; Aug. 28.
- Lock. M. Broff. 1,942,533; Jan. 9.
- Lock. E. Deutsch. 1,941,932; Jan. 2.
- Lock. L. Dube. 1,953,292; Apr. 3.
- Lock. J. W. Fitz Gerald. 1,950,723; Mar. 13.
- Lock. J. W. Fitz Gerald. 1,960,263; May 29.
- Lock. J. W. Fitz Gerald. 1,965,336; July 3.
- Lock. J. W. Fitz Gerald. 1,965,888-9; July 10.
- Lock. F. B. Gerard. 1,974,066; Sept. 18.
- Lock. S. P. Goldberg. 1,961,483; June 5.
- Lock. L. Gutman. 1,957,586; May 8.
- Lock. A. L. Hansen. 1,957,642; May 8.
- Lock. R. B. Hayden. 1,973,251; Sept. 11.
- Lock. F. K. Heyer. 1,957,105; May 1.
- Lock. F. K. Heyer. 1,961,586; June 5.
- Lock. J. Holtzman. 1,943,826; Jan. 16.
- Lock. J. Holtzman. 1,959,361; May 22.
- Lock. J. A. Horne. 1,968,555; July 31.
- Lock. E. P. Hurd. 1,961,106; May 29.
- Lock. E. N. Jacobi. 1,941,555; Jan. 2.
- Lock. E. N. Jacobi. 1,945,779; Feb. 6.
- Lock. E. N. Jacobi. 1,951,418; Mar. 20.
- Lock. E. N. Jacobi. 1,954,209; Apr. 10.
- Lock. E. N. Jacobi. 1,965,940-1; July 10.
- Lock. E. N. Jacobi. 1,969,010-12; Aug. 7.
- Lock. E. N. Jacobi. 1,979,938; Nov. 6.
- Lock. E. N. Jacobi. 1,982,813; Dec. 4.
- Lock. E. N. Jacobi. 1,982,956; Dec. 4.
- Lock. C. Kemp. 1,977,853; Oct. 23.
- Lock. F. W. Kulicke. 1,948,765; Feb. 27.
- Lock. I. G. Larson and W. Fetzner. 1,977,189; Oct. 16.
- Lock. C. B. Lowe. 1,942,176; Jan. 2.
- Lock. H. W. Mahon. 1,950,503; Mar. 13.
- Lock. E. S. Peake. 1,943,988; Jan. 16.
- Lock. E. S. Peake. 1,976,089; Oct. 9.
- Lock. C. S. Preston. 1,972,201; Sept. 4.
- Lock. M. Ramos. 1,981,121; Nov. 20.
- Lock. W. Reinhart. 1,956,731; May 1.
- Lock. H. G. Rubner. 1,957,851; May 8.
- Lock. H. G. Rubner. 1,961,456; June 5.
- Lock. M. Samburg. 1,942,454; Jan. 9.
- Lock. J. A. Shafer. 1,949,633; Mar. 6.
- Lock. W. C. Shinn. 1,964,963; July 3.
- Lock. L. B. Shinn. 1,971,797; Aug. 28.
- Lock. E. B. Stone and L. M. Dyson. 1,957,859; May 8.
- Lock. J. E. Theriot. 1,947,813; Feb. 20.
- Lock. W. N. Vance, J. B. O'Connor, and J. B. Adler. 1,966,272; July 10.
- Lock and container. L. G. Payne. 1,979,405; Nov. 6.
- Lock and fitting the same to a predetermined key change, Tumbler. E. N. Jacobi. 1,979,939; Nov. 6.
- Lock and latch bar, Combined. J. M. Johnson. 1,958,244; May 8.
- Lock and protector adapted for use with percolator tops, Combined. W. A. Deuring. 1,976,658; Oct. 9.
- Lock bolt. T. L. E. Haug. 1,960,244; May 29.
- Lock can cover. J. H. Nienhuser. 1,965,854; July 10.
- Lock cap for gas tanks. F. E. Rockhill. 1,964,214; June 26.
- Lock-coil. J. F. Martin and H. Waker. 1,954,088; Apr. 10.
- Lock construction. C. Courtney. 1,985,363; Dec. 25.
- Lock construction. W. S. Hamm. 1,964,986; July 3.
- Lock construction for washing machine cylinders. L. C. Schenck. 1,977,408; Oct. 16.
- Lock control, Delayed. W. T. Benham. 1,967,109; July 17.
- Lock down compensator. G. A. Halfvarson. 1,976,494; Oct. 9.
- Lock for automobiles, Gasoline line. J. E. Swayzee. 1,942,129; Jan. 2.
- Lock for automobiles, Hood. F. Voegelien. 1,958,731; May 15.
- Lock for bedsteads, Corner. H. Richardson. 1,952,093; Mar. 27.
- Lock for bedsteads, Corner. H. Richardson. 1,952,095; Mar. 27.
- Lock for bedsteads, Corner. H. Richardson. 1,972,108; Sept. 4.
- Lock for burglar alarm. H. R. Walther. 1,969,388; Aug. 7.
- Lock for cabinet heaters, Assembly. F. M. Young. 1,951,541; Mar. 20.
- Lock for counterbalanced elevator doors. R. S. Peelle. 1,984,425; Dec. 18.
- Lock for door traps and the like. S. Schneider and D. F. Murphy. 1,979,497; Nov. 6.
- Lock for doors and other openable devices. H. K. Dalton. 1,977,430; Oct. 16.
- Lock for driving shafts, Reverse. I. G. Brennehan. 1,957,428; May 8.
- Lock for electric switches, Safety. B. E. Getchell. 1,981,353; Nov. 20.
- Lock for extractor covers, Safety. J. F. Shepard. 1,957,297; May 1.
- Lock for loose-leaf binders, Permanent. G. J. Rundblad. 1,951,673; Mar. 20.
- Lock for motor vehicles, Combination. H. A. Boehmer, G. P. Schenck, and G. Wendlin. 1,965,920; July 10.
- Lock for nuts and bolts. N. Vacher. 1,945,005; Jan. 30.
- Lock for printers' quoins. A. Fileppo. 1,952,063; Mar. 27.
- Lock for register flash mechanism. W. G. Orth and T. O'Connor. 1,942,615; Jan. 9.
- Lock for revolving doors. C. A. Schlachter. 1,965,005; July 3.
- Lock for rolling shutters, End. E. F. Cross. 1,943,371; Jan. 16.
- Lock for rotating cylinders, Safety. C. E. Waream. 1,964,144; June 26.
- Lock for sections of sheet metal pipe. J. J. Holub. 1,978,203; Oct. 23.
- Lock for separable fasteners. J. Rifkin. 1,950,414-15; Mar. 13.
- Lock for spring switches, Power-operated. J. A. Peabody. 1,980,084; Nov. 6.
- Lock for window-operators, Automatic. H. C. Hart. 1,942,962; Jan. 9.
- Lock hasp. A. Levine. 1,972,567; Sept. 4.
- Lock-in switch, Impulse actuated. T. H. Long. 1,971,823; Aug. 28.
- Lock mechanism. A. G. Lyons. 1,970,757; Aug. 21.
- Lock mechanism. A. G. Lyons. 1,979,893; Nov. 6.
- Lock mechanism. A. Main. 1,979,805; Nov. 6.
- Lock mechanism for transmissions, Snap. R. Lapsley. 1,951,876; Mar. 20.
- Lock nut. W. Kotvis, F. A. Chapman, and L. W. Dortland. 1,969,223; Aug. 7.
- Lock nut. W. G. Wilson. 1,967,276; July 24.
- Lock nut and making same. R. T. Hosking. 1,963,845; June 19.
- Lock nut and washer. A. A. Eveno. 1,959,620; May 22.
- Lock or clamp for guy wire guards. J. Blackburn. 1,971,477; Aug. 28.
- Lock or latch, Box. N. A. Petter. 1,963,378; June 19.

- Lock-out collar control for freewheel units. C. H. Barton. 1,970,795; Aug. 21.
- Lock-out lever mechanism for free wheeling units. C. Drexler. 1,983,841; Dec. 11.
- Lock replacer, Split. J. Sunnen. 1,982,837; Dec. 4.
- Lock spring with floating top, Triple. O. L. Goethel. 1,982,426; Nov. 27.
- Lock strike, Adjustable. A. G. Lyons and W. H. Sterrett. 1,984,222; Dec. 11.
- Lock structure. F. L. Flanders. 1,948,705; Feb. 27.
- Lock structure, Window. J. H. Hendrix. 1,970,653; Aug. 21.
- Lock switch. G. L. Carlisle. 1,979,097; Oct. 30.
- Lock switch. T. Echeverria. 1,949,681; Mar. 6.
- Lock switch. H. E. Norviel. 1,945,562; Feb. 6.
- Lock switch, Electric combination. C. J. Streib. 1,963,875; June 19.
- Lock switch for automobiles. Theft-preventing. M. Frazier. 1,973,619; Sept. 11.
- Lock washer. J. Berge. 1,966,427; July 17.
- Lock washer. C. G. Olson. 1,963,800; June 19.
- Lock washer. C. G. Olson. 1,977,602; Oct. 16.
- Lock washer. C. J. Spahn. 1,982,076; Nov. 27.
- Lock washer. G. C. Trotter. 1,963,535; June 19.
- Lock washer and making same. C. G. Olson. 1,963,028; June 12.
- Lock washers, Making. C. G. Olson. 1,963,027; June 12.
- Lock with removable cylinder mechanism. H. G. Voight. 1,964,787; July 3.
- Locker. J. E. Bales. 1,970,267; Aug. 14.
- Locker. J. F. Ryan, J. E. Carr, and C. F. Anderson. 1,973,579; Sept. 11.
- Locker. F. Thornton, Jr. 1,968,271; July 31.
- Locker control, Group. J. E. Bales. 1,955,525; Apr. 17.
- Locking and clamping means for core barrels. P. J. Duffy. 1,960,620; May 29.
- Locking and operating device for doors. C. F. Young. 1,966,422; July 10.
- Locking apparatus, Rotary. M. Howald. 1,954,047; Apr. 10.
- Locking attachment for cell door operating mechanisms. L. J. White. 1,951,315; Mar. 13.
- Locking bung. J. Thompson. 1,977,100; Oct. 16.
- Locking cap. W. C. Schofield. 1,950,003; Nov. 6.
- Locking device. W. H. Featherstone. 1,945,428; Jan. 30.
- Locking device. R. Frelin. 1,981,500; Nov. 20.
- Locking device. H. E. Gilbert. 1,961,041; May 29.
- Locking device. W. R. Grogan and F. M. Kincaid, jr. 1,967,007; July 17.
- Locking device. F. D. Hardesty. Re19,073; Feb. 13.
- Locking device. J. J. Hays. 1,976,724; Oct. 16.
- Locking device. J. Morris. 1,981,705; Nov. 20.
- Locking device. S. Morrison. 1,957,662; May 8.
- Locking device. A. H. Nero. 1,951,312; Mar. 13.
- Locking device. A. Shatkin. 1,970,399; Aug. 14.
- Locking device. O. Taman. 1,976,307; Oct. 9.
- Locking device. F. W. Tobey. 1,948,099; Jan. 9.
- Locking device, Display board. T. De Lorenzo. 1,950,165; Mar. 6.
- Locking device for automobile engine hoods. F. Coyle and J. E. Biggs. 1,966,976; July 17.
- Locking device for bull rings. C. Rachel. 1,957,728; May 8.
- Locking device for camera shutter-operating members. G. Wahnish. 1,965,442; July 3.
- Locking device for cash registers, etc. H. F. B. Högfors. 1,967,531; July 24.
- Locking device for foot levers. I. C. Howard. 1,966,551; July 17.
- Locking device for locks. J. A. Campanile. 1,962,550; June 12.
- Locking device for open windows. P. Paris. 1,960,024; May 22.
- Locking device for revolving doors, Independent wing. R. L. Blanchard. 1,963,881; June 19.
- Locking device for revolving members. H. C. Reaux. 1,979,051; Oct. 30.
- Locking device for sewing machines and the like. F. Schwahn. 1,957,557; May 8.
- Locking means. W. T. Madeira. 1,978,543; Oct. 30.
- Locking means. Coin controlled. G. J. McLaren. 1,971,228; Aug. 21.
- Locking means for concrete mixers, Metering and closure. G. Jaeger and J. Eggert. 1,948,715; Feb. 27.
- Locking means for hatch covers. J. W. and W. Isherwood. 1,964,203; June 26.
- Locking means for hoods of vehicles or the like. M. Bednarik. 1,962,578; June 12.
- Locking means for nuts, screws, and washers. A. Stoll. 1,959,009; May 15.
- Locking means for spare vehicle wheels and the tires thereof. F. W. Henke, jr. 1,944,512; Jan. 23.
- Locking means for track handling machines. G. J. Holt and W. Longevin. 1,977,276; Oct. 16.
- Locking means for window screens and the like. H. A. Vogt. 1,970,677; Aug. 21.
- Locking mechanism. A. R. Barker. 1,962,049; June 5.
- Locking mechanism. W. F. Diesel and A. C. Brown, 3d. 1,977,471; Oct. 16.
- Locking mechanism. G. D. Hill. 1,956,069; Apr. 24.
- Locking mechanism. J. B. Kelly and C. T. Majer. 1,954,135; Apr. 10.
- Locking mechanism. E. J. McIlvried. 1,961,376; June 5.
- Locking mechanism, Atmospheric pressure operated. H. Friedman and C. Hochmuth. 1,972,768; Sept. 4.
- Locking mechanism, Coin controlled. F. J. Rowse. 1,981,074; Nov. 20.
- Locking mechanism for binders. H. G. Buchan. 1,972,417; Sept. 4.
- Locking mechanism for binders. P. O. Unger. 1,985,700; Dec. 25.
- Locking mechanism for calculating machines. F. W. F. Berger. 1,984,723; Dec. 18.
- Locking mechanism for doors. D. F. Smith and W. F. Purcell. 1,946,551; Feb. 13.
- Locking mechanism for doors. D. F. Smith and W. F. Purcell. 1,965,725; July 10.
- Locking metal inserts into cavities. R. F. Clement. 1,978,340; Oct. 23.
- Locking plug for electric circuits. F. E. Reinhold. 1,955,146; Apr. 17.
- Locking support. L. L. La Fever. 1,970,660; Aug. 21.
- Locking switch. E. H. Jacobs. 1,966,894; July 17.
- Locking system for automobile ignition and starting systems. H. L. Black. 1,974,944; Sept. 25.
- Locking thread mechanism. G. T. Hart, jr. 1,976,017; Oct. 9.
- Locks, Apparatus for and method of making valve spring retainer. D. Kelleher and E. A. McBride. 1,959,028; May 15.
- Locks, Automobile and other. V. L. Gilpin. 1,948,913; Feb. 27.
- Locks, Combination and key controlled catching mechanism for. J. I. W. Carlson. 1,981,163; Nov. 20.
- Locks, Making. E. P. Hurd. 1,953,535; Apr. 3.
- Locks, Making valve spring retainer. O. R. Schoenrock. 1,973,227; Sept. 11.
- Locomotion control for vehicles. F. R. Higley. 1,965,119; July 3.
- Locomotive. C. H. Bilty. 1,975,565; Oct. 2.
- Locomotive. R. J. Finch and E. W. Albers. 1,960,306; May 29.
- Locomotive. J. H. Parkin and J. Green. 1,950,743; Mar. 13.
- Locomotive. A. J. Townsend. 1,966,154; July 10.
- Locomotive. B. G. Valentine. 1,971,998; Aug. 28.
- Locomotive, Articulated. W. A. Giger. 1,978,080; Oct. 23.
- Locomotive auxiliary port controlling mechanism. H. J. Titus. 1,943,703; Jan. 16.
- Locomotive blow-off apparatus. L. F. Wilson. 1,966,776; July 17.
- Locomotive boiler. H. M. Pfäfer and A. R. Ayers. 1,947,225; Feb. 13.
- Locomotive boiler, High pressure. A. Magis and A. Huet. 1,952,932; Mar. 27.
- Locomotive boiler throat sheet construction. G. M. Wilson. 1,946,996; Feb. 13.
- Locomotive, Bolster equipped. H. L. Ingersoll. 1,950,449; Mar. 13.
- Locomotive booster construction. M. H. Roberts. 1,979,904; Nov. 6.
- Locomotive cleaning apparatus. F. M. Hilgerink. 1,981,622; Nov. 20.
- Locomotive construction. C. Harter and O. A. Garber. 1,964,514; June 26.
- Locomotive construction. W. M. Sheehan. 1,964,086; June 26.
- Locomotive control system. N. W. Storer. 1,976,525; Oct. 9.
- Locomotive cylinder and smoke box saddle. K. S. Howard. 1,964,991; July 3.
- Locomotive cylinder structure. A. H. Feters. 1,964,046; June 26.
- Locomotive drive. T. V. Buckwalter. 1,951,126; Mar. 13.
- Locomotive driver box. J. J. Hennessy. 1,942,963; Jan. 9.
- Locomotive eccentric crank and crank pin construction. T. V. Buckwalter. 1,969,500; Aug. 7.
- Locomotive feed water system. C. A. Schellens. 1,959,929; May 22.
- Locomotive frame structure. N. W. Storer and W. S. Rugg. 1,955,314; Apr. 17.
- Locomotive front end. W. F. Mitchell. 1,942,215; Jan. 2.
- Locomotive gathering mechanism. D. E. Renshaw and C. A. Atwell. 1,976,516; Oct. 9.
- Locomotive grate support. A. E. Le Gare. 1,960,018; May 22.
- Locomotive lubrication system. E. O. Corey. 1,967,497; July 24.
- Locomotive lubricator, Automatic. J. E. Bjorkholm and G. Blyberg. 1,963,189; June 19.
- Locomotive, Mine. J. P. Ruth, jr. 1,963,678; June 19.
- Locomotive mud ring. E. A. Turner and C. J. Surdykowski. 1,946,045; Feb. 6.
- Locomotive piston rod crosshead. J. C. Sharp. 1,969,763; Aug. 14.
- Locomotive starting valve. B. E. Folke. 1,974,181; Sept. 18.
- Locomotive steam boiler. G. H. Emerson. 1,973,802; Sept. 18.
- Locomotive structure. C. M. Darden. 1,955,376; Apr. 17.
- Locomotive structure. C. M. Darden. 1,955,377; Apr. 17.
- Locomotive structure. E. G. Hallquist and W. C. Krauthheim. 1,944,427; Jan. 23.
- Locomotive structure. K. S. Howard. 1,944,893; Jan. 30.
- Locomotive structure. K. S. Howard. 1,971,007; Aug. 21.
- Locomotive structure. H. M. Pfäfer. 1,944,459; Jan. 23.
- Locomotive structure. W. M. Sheehan. 1,985,384; Dec. 25.
- Locomotive structure. J. C. Travilla, jr., and E. G. Hallquist. 1,964,095; June 26.
- Locomotive tender. H. F. Ball. 1,954,307; Apr. 10.

- Locomotive tender. E. Lippert. 1,982,819; Dec. 4.
 Locomotive tender. J. W. Myers. 1,961,071; May 29.
 Locomotive tender. C. J. Surdykowski. 1,974,293; Sept. 18.
 Locomotive tender. E. A. Turner. 1,965,970-1; July 10.
 Locomotive unit for a railway train. N. B. Geddes. Des. 93,809; Nov. 13.
 Locomotive valve. P. Pascale. 1,976,291; Oct. 9.
 Locomotive with bifurcated flues. F. W. Smith. 1,978,822; Oct. 30.
 Locomotive with direct and indirect transmission to the drive wheels, Combustion power. J. Geiger. 1,975,840; Oct. 9.
 Locomotives, Device for testing the positions of the driving shafts of. W. Schubert. 1,959,551; May 22.
 Log barker. C. B. Thorne. 1,966,153; July 10.
 Log for cabins and the like. B. R. Ward. 1,942,348; Jan. 2.
 Log siding, Imitation. W. E. Bernhard. 1,953,460; Apr. 3.
 Log towing device. H. F. Berg. 1,960,570; May 29.
 Log washer shaft and arm assembly. W. S. Rockhill. 1,982,597; Nov. 27.
 Logarithmic calculating mechanism. R. B. Wasson. 1,979,512; Nov. 6.
 Logs, Apparatus for barking. E. G. Swigert. 1,969,914; Aug. 14.
 Lollipop. M. Schmeckebier. Des. 92,680; July 3.
 Lollipop or similar article. E. Keller. Des. 92,473; June 12.
 Longue, Chaise. F. Debski. Des. 93,004; Aug. 14.
 Loom. G. B. Ambler. 1,954,609; Apr. 10.
 Loom. A. B. Collingbourne. 1,975,924; Oct. 9.
 Loom. E. A. Daniels. 1,948,960; Feb. 27.
 Loom. C. W. Geier. 1,969,001; Aug. 7.
 Loom. W. D. Kellogg. J. Fradenburgh, and D. D. Dube. 1,980,208; Nov. 13.
 Loom. R. Marx. 1,950,412; Mar. 13.
 Loom. E. Ornstein. 1,950,323; Mar. 6.
 Loom. K. Petzoldt. 1,953,260; Apr. 3.
 Loom. A. W. Shuttleworth. 1,965,395; July 3.
 Loom and fabric. G. Crompton, jr. 1,980,666; Nov. 11.
 Loom and forming pulp. Tuft fabric forming. H. J. Winters and E. E. Clark. 1,958,387; May 8.
 Loom attachment. P. A. Burnett, A. A. Fallis, and D. S. Pritchett. 1,946,730; Feb. 13.
 Loom. Automatic shuttle changing. R. Dobson. 1,950,842; Mar. 13.
 Loom, Axminster. E. J. Dacey. 1,958,130; May 8.
 Loom, Axminster. E. J. Dacey. 1,973,335; Sept. 11.
 Loom, Axminster. W. W. Robertson. 1,973,357; Sept. 11.
 Loom, Circular. W. R. MacEwan and J. I. Villa. 1,949,571; Mar. 6.
 Loom for weaving tufted fabric with pattern on the back. E. J. Dacey and W. W. Robertson. 1,958,129; May 8.
 Loom for weaving weft pile fabrics. W. B. Cooper and E. T. Phoenix. 1,970,443; Aug. 14.
 Loom for weaving without a shuttle. L. P. J. A. Verriere. 1,944,330; Jan. 23.
 Loom harness. J. J. Kaufmann. 1,970,175; Aug. 14.
 Loom harness and mail eye therefor. J. L. King. 1,944,516; Jan. 23.
 Loom harness operating mechanism. H. I. Emmons. 1,944,971; Jan. 30.
 Loom harness stop motion. F. Matton. 1,972,025; Aug. 28.
 Loom having stationary weft supplies. W. Pool. 1,958,495; May 15.
 Loom let-off mechanism, Attachment for. R. B. Transue. 1,971,515; Aug. 28.
 Loom, Magnetic. J. F. Rourke. 1,976,095; Oct. 9.
 Loom, Needle. G. G. Emery, R. W. Knowlton, and H. C. Bennett. 1,943,662; Jan. 16.
 Loom needle mechanism. Selective and self-threading. W. J. Benjamin. 1,964,692; June 26.
 Loom, Pile fabric. H. Mason. 1,945,057; Jan. 30.
 Loom reed. F. Stead. 1,953,371; Apr. 3.
 Loom shuttle adapted for automatically stopping the loom on substantial depletion of the weft. R. H. Stehli. 1,970,062; Aug. 14.
 Loom shuttle. Automatically threading. D. L. Norris. 1,944,802; Jan. 23.
 Loom shuttle box. C. D. Brown. 1,971,249; Aug. 21.
 Loom, Shuttle changer. V. H. Jennings. 1,961,049; May 29.
 Loom, Shuttle changing. V. Lindsjo. 1,971,225; Aug. 21.
 Loom, Shuttleless. H. Dreyfus, W. A. Dickie, and F. C. Hale. 1,968,073; July 31.
 Loom, Shuttleless. W. Pool. 1,963,098; June 19.
 Loom stopping mechanism. A. A. Gordon. 1,977,057; Oct. 16.
 Loom stopping mechanism, Pile wire. R. Spendlove. 1,961,400; June 5.
 Loom take-up mechanism. G. M. Robertson. 1,963,808; June 19.
 Loom, Tape. A. Weimar. 1,950,281; Mar. 6.
 Loom, Tuft pile fabric. J. A. Coyle. 1,944,121; Jan. 16.
 Loom, Tuft pile fabric. J. O. Lambo. 1,946,427; Feb. 6.
 Loom, Tufted fabric. H. J. Winters and E. E. Clark. 1,958,388; May 8.
 Loom with stationary weft supplies. W. Pool. 1,965,084; July 3.
 Looms, Attachment for. A. R. and V. W. Burrows. 1,963,885; June 19.
 Looms, Automatic fork for. W. F. Clayton. 1,943,002; Jan. 9.
 Looms, Delayed feeler control stopping mechanism for. O. V. Payne. 1,965,154; July 3.
 Looms, Device for the fixing of the reed of releasable. O. Wittmers. 1,977,104; Oct. 16.
 Looms, Electric feeler for. H. W. Thatcher. 1,941,960; Jan. 2.
 Looms, Electrical stop motion for. J. Lambert. 1,959,243; May 15.
 Looms, Feeler mechanism for. A. E. Benson. 1,958,463; May 15.
 Looms, Filling carrier support for. L. E. Gatlin. 1,941,937; Jan. 2.
 Looms, Filling feeler device for change-box. E. W. Barrett. 1,956,114; Apr. 24.
 Looms, Filling parting means for. J. Northrop. 1,971,231; Aug. 21.
 Looms, Harness stop motion for. J. Durs. 1,959,232; May 15.
 Looms in which weft is fed from a stationary supply. W. Pool. 1,964,079; June 26.
 Looms, Lay motion for. W. H. Baker. 1,970,832; Aug. 21.
 Looms, Loose reeds for. V. Lindsjo. 1,956,075; Apr. 24.
 Looms, Multicell shuttle box for. J. Lässker. 1,949,056; Feb. 27.
 Looms, Picker stick check for. L. W. and R. B. Hodge. 1,961,046; May 29.
 Looms, Pitman arm for. C. M. Pettus. 1,970,185; Aug. 14.
 Looms, Pneumatic picker motion for. G. V. Sumner. 1,945,238; Jan. 30.
 Looms, Positive raker for multicolor weft replenishing. C. R. Kronoff. 1,961,052; May 29.
 Looms, Protection mechanism for. H. H. Burdett. 1,950,224; Mar. 6.
 Looms, Recording device for. O. V. Payne. 1,983,872; Dec. 11.
 Looms, Salvage motion for. W. B. Greaves. 1,981,039; Nov. 20.
 Looms, Stop motion for. J. J. Kaufmann. 1,962,509; June 12.
 Looms, Stop motion for. M. B. Penman and A. F. McCollum. 1,973,653-5; Sept. 11.
 Looms, Thread cutting mechanism for. F. E. Douglas. 1,971,256; Aug. 21.
 Looms, Thread cutting temple for. F. E. Douglas. 1,971,255; Aug. 21.
 Looms, Thread parting mechanism for. F. E. Douglas. 1,952,747; Mar. 27.
 Looms, Weft-shoot-changing device for gripper. 1,943,002; Jan. 9.
 Loop construction. J. A. Proctor. 1,967,591; July 24.
 Loop cutter. C. G. Richardson. 1,973,104; Sept. 11.
 Loop cutter for embroidered materials. M. Katz and B. Koch. 1,968,688; July 31.
 Loop for braces, Detachable initial. E. S. Mix. 1,955,647; Apr. 17.
 Loop forming device. E. B. Kerst. 1,952,261; Mar. 27.
 Loop regulating mechanism for full fashioned hosiery machines, Automatic. K. H. Lieberknecht. 1,981,054; Nov. 20.
 Loop regulating mechanism for full fashioned knitting machines. G. Gastrich. 1,981,035; Nov. 20.
 Loop regulating mechanism for knitting machines. K. Howie. 1,964,159; June 26.
 Looped knots in thread-knotting machines, Mechanism for producing. O. Kleinschmit and O. Müller. 1,972,999; Sept. 11.
 Looper carrier. J. M. Merrow. 1,983,631; Dec. 11.
 Looper carrier. J. M. Washburn. 1,966,367; July 10.
 Looper machine. T. H. De Spain. 1,966,377; July 10.
 Looper trimmer. T. H. De Spain. 1,963,836; June 19.
 Loops in knitted fabrics, Forming special. G. Gastrich. 1,978,454; Oct. 30.
 Loose-leaf holder. C. D. Trussell. 1,973,420; Sept. 11.
 Loose sheet holder. J. Eifel. 1,968,286; July 31.
 Loud speaker. H. Brzeski. 1,976,874; Oct. 16.
 Loud speaker. W. F. Cotter and M. E. Bond. 1,979,453; Nov. 6.
 Loudspeaker. B. A. Engholm. 1,972,927; Sept. 11.
 Loud speaker. B. A. Engholm. 1,974,770; Sept. 25.
 Loud speaker. B. A. Engholm and J. J. Swent. 1,961,286; June 5.
 Loud speaker. A. M. Evens. 1,951,692; Mar. 20.
 Loud speaker. E. K. Sandeman. 1,984,550; Dec. 18.
 Loud speaker. R. Vermeulen, A. T. Van Urk, and C. Loman. 1,947,749; Feb. 20.
 Loud speaker and table assembly. R. M. Newbold. Des. 92,265; May 15.
 Loud-speaker cone. R. R. Du Puy. 1,944,861; Jan. 23.
 Loud speaker cone suspension. C. Messick. 1,982,443; Nov. 27.
 Loud speaker diaphragm. R. R. A. Hoffmann and W. Rottgart. 1,961,149; June 5.
 Loud speaker, Electrodynamic. P. Grassmann. 1,962,012; June 5.
 Loud speaker, Electrostatic. H. Vogt. 1,948,637; Feb. 27.
 Loud speaking container. H. J. C. Pearson and B. T. Wellborne. 1,958,153; May 8.
 Lounge. J. M. Brower. Des. 93,813; Nov. 13.
 Louver, Stormproof. B. L. Hinkle. 1,972,991; Sept. 11.
 Low coal limit switch. H. C. Carter. 1,977,228; Oct. 16.
 Low friction composition. W. C. Wilharm. 1,959,775; May 22.

- Low pressure process for separating low boiling gas mixtures. M. Frankl. 1,970,299; Aug. 14.
- Lubricant. L. C. Brunstrum. 1,982,199; Nov. 27.
- Lubricant. L. C. Brunstrum and D. G. Loetscher. 1,970,902; Aug. 21.
- Lubricant. L. C. Brunstrum and M. R. Schmidt. 1,982,198; Nov. 27.
- Lubricant. B. Gallsworthy. 1,957,259; May 1.
- Lubricant and making same. W. B. D. Penniman. 1,967,255; July 24.
- Lubricant, Anhydrous. L. C. Brunstrum and W. P. Hilliker. 1,982,200; Nov. 27.
- Lubricant compressor. E. W. Davis. 1,977,873; Oct. 23.
- Lubricant containing a cellulose derivative. K. C. D. Hickman. 1,963,901; June 19.
- Lubricant. Die. R. T. Wood. 1,946,121; Feb. 6.
- Lubricant dispenser. N. R. Krause. 1,956,074; Apr. 24.
- Lubricant dispensing apparatus. J. M. Marshall and E. C. Thomas. 1,977,831; Oct. 23.
- Lubricant film bearing. Self-cooling high pressure. E. K. Benedek. 1,961,029; May 29.
- Lubricant fitting. J. W. Welch and R. P. Suess. 1,970,638; Aug. 21.
- Lubricant flow regulator. W. H. Shaw. 1,972,907; Sept. 11.
- Lubricant flow regulator, Thermostatic. H. Kreidel. 1,964,638; June 26.
- Lubricant for ammunition. External. W. W. Bowyer and G. H. Jacobs. 1,953,904; Apr. 3.
- Lubricant for clay products, Mold. P. C. Lemmerman. 1,967,830; July 24.
- Lubricant from sealed containers. Device for dispensing. F. A. Prah. 1,980,434; Nov. 13.
- Lubricant. Gear. G. M. Maverick. 1,963,239; June 19.
- Lubricant measuring device. E. W. Davis. 1,967,707; July 24.
- Lubricant metering unit. O. U. Zerk. 1,955,400; Apr. 17.
- Lubricant or other liquid to a fluid stream. Apparatus for delivering a. J. C. Handy. 1,948,034; Feb. 20.
- Lubricant reservoir and dash pump. O. U. Zerk. 1,958,557; May 15.
- Lubricant. Solid. C. A. Müller and C. B. Karns. 1,973,537; Sept. 11.
- Lubricants by hydrogenation of hydrocarbon oils, Producing. R. P. Russell. 1,963,385; June 19.
- Lubricants from petroleum oil, Obtaining high yields of high grade. P. L. Young. 1,949,231; Feb. 27.
- Lubricants, Metal-forming. R. C. Williams. 1,948,194; Feb. 20.
- Lubricants, Producing. J. M. Jennings. 1,950,308; Mar. 6.
- Lubricants, Producing. R. P. Russell and G. H. B. Davis. 1,955,861; Apr. 24.
- Lubricated bearing. H. E. Warren. 1,942,077; Jan. 2.
- Lubricated gate valve. H. G. Specht. 1,980,768; Nov. 13.
- Lubricated plug valve. F. N. Bard. 1,964,782; July 3.
- Lubricated plug valve. R. Fennema. 1,961,102; May 29.
- Lubricated plug valve. J. C. Martin and F. N. Bard. 1,970,241; Aug. 14.
- Lubricated valve. F. E. Riley. 1,946,236; Feb. 6.
- Lubricating apparatus. F. T. Baker. 1,952,110; Mar. 27.
- Lubricating apparatus. F. S. Barks. 1,950,158; Mar. 6.
- Lubricating apparatus. F. S. Barks. 1,959,404; May 22.
- Lubricating apparatus. E. W. Davis. 1,968,017; July 31.
- Lubricating apparatus. E. W. Davis. 1,955,412; Apr. 17.
- Lubricating apparatus. E. W. Davis. 1,974,449; Sept. 25.
- Lubricating apparatus. E. W. Davis. 1,979,370; Nov. 6.
- Lubricating apparatus. E. W. Davis. 1,980,984; Nov. 20.
- Lubricating apparatus. E. W. Davis. 1,981,905; Nov. 27.
- Lubricating apparatus. A. P. Fox. 1,963,783; June 19.
- Lubricating apparatus. A. P. Fox. 1,971,555; Aug. 28.
- Lubricating apparatus. F. H. Gleason. 1,981,802; Nov. 20.
- Lubricating apparatus. J. A. Goodey. 1,947,710; Feb. 20.
- Lubricating device. J. P. Laux and E. R. Packer. 1,981,364; Nov. 20.
- Lubricating apparatus. W. Z. Linders. 1,959,724; May 22.
- Lubricating apparatus. A. G. Maddigan. 1,963,919; June 19.
- Lubricating apparatus. G. F. Thomas and J. Bystricky. 1,968,231; July 31.
- Lubricating apparatus. G. F. Thomas and J. Bystricky. 1,977,654; Oct. 23.
- Lubricating apparatus. R. Wedeberg. 1,974,479; Sept. 25.
- Lubricating apparatus. O. U. Zerk. 1,942,631; Jan. 9.
- Lubricating apparatus. O. U. Zerk. 1,955,109; Apr. 17.
- Lubricating apparatus. O. U. Zerk. 1,965,021-2; July 3.
- Lubricating apparatus. Centralized. C. C. Bradbury. 1,950,134; Mar. 6.
- Lubricating apparatus for metal cutting machines. C. Field. 1,976,013; Oct. 9.
- Lubricating apparatus, High pressure. A. D. Robbins. Re19,244; July 17.
- Lubricating arrangement. H. D. Church. 1,969,690; Aug. 7.
- Lubricating arrangement for magneto electric ignition apparatus. F. Allendorff. 1,947,400; Feb. 13.
- Lubricating compound. G. S. Rutherford. 1,944,273; Jan. 23.
- Lubricating compound and making the same. L. R. Churchill. 1,974,299; Sept. 18.
- Lubricating cup. C. L. Kennedy. 1,957,715; May 8.
- Lubricating device. R. G. Anderson. 1,964,551; June 26.
- Lubricating device. J. L. Creveling. 1,946,064; Feb. 6.
- Lubricating device. J. L. Creveling. 1,958,183; May 8.
- Lubricating device. J. L. Creveling. 1,970,279; Aug. 14.
- Lubricating device. J. L. Creveling. 1,974,150; Sept. 18.
- Lubricating device. J. L. Creveling. 1,975,311; Oct. 2.
- Lubricating device. J. L. Creveling. 1,975,312-13; Oct. 2.
- Lubricating device. A. C. and S. R. Danver. 1,956,640; May 1.
- Lubricating device. A. Y. Dodge. 1,946,065; Feb. 6.
- Lubricating device. A. Y. Dodge. 1,965,692; July 10.
- Lubricating device. A. Y. Dodge. 1,970,845; Aug. 21.
- Lubricating device. A. Y. Dodge. 1,976,060; Oct. 9.
- Lubricating device. A. Y. Dodge and H. R. Tear. 1,961,553; June 5.
- Lubricating device. A. Y. Dodge and H. R. Tear. 1,972,132; Sept. 4.
- Lubricating device. R. J. Gits. 1,967,614; July 24.
- Lubricating device. M. D. Gjerd. 1,962,090; June 5.
- Lubricating device. J. L. Greveling. 1,965,690-1; July 10.
- Lubricating device. C. Harris. 1,974,849; Sept. 25.
- Lubricating device. V. J. Harris. 1,960,584; May 29.
- Lubricating device. F. Henard. 1,944,837; Jan. 23.
- Lubricating device. H. M. Hunter. 1,972,400; Sept. 4.
- Lubricating device. J. J. Janca. 1,954,245; Apr. 10.
- Lubricating device. R. C. Kendall. 1,955,550; Apr. 17.
- Lubricating device. L. R. Kerns. 1,961,051; May 29.
- Lubricating device. W. L. Morris. 1,951,504; Mar. 20.
- Lubricating device. M. Newmark and E. Moss. 1,944,191; Jan. 23.
- Lubricating device. M. Newmark and E. Moss. 1,954,827; Apr. 17.
- Lubricating device. M. Newmark and E. Moss. 1,981,243; Nov. 20.
- Lubricating device. C. E. Padilla. 1,984,543; Dec. 18.
- Lubricating device. M. Reswick. 1,951,771; Mar. 20.
- Lubricating device. N. A. Sellers. 1,960,070; May 22.
- Lubricating device. F. L. Staley. 1,975,593; Oct. 2.
- Lubricating device. O. Swanson. 1,942,847; Jan. 9.
- Lubricating device. A. C. Taylor and E. S. Du Bose. 1,977,532; Oct. 16.
- Lubricating device. H. R. Tear. 1,958,216; May 8.
- Lubricating device. H. R. Tear. 1,969,915; Aug. 14.
- Lubricating device. H. R. Tear. 1,976,903; Oct. 16.
- Lubricating device. H. R. Tear and L. M. Andrews. 1,974,550; Sept. 25.
- Lubricating device. C. B. Thompson. 1,958,217; May 8.
- Lubricating device. J. A. Watson. 1,956,634; May 1.
- Lubricating device and system. H. A. S. Howarth. 1,942,101; Jan. 2.
- Lubricating device, Differential. G. A. Barker. 1,953,068; Apr. 3.
- Lubricating device for doors and the like. J. W. Houston. 1,950,984; Mar. 13.
- Lubricating device for locomotive driving journals. H. W. Coddington. 1,970,167; Aug. 14.
- Lubricating device for power transmission mechanisms. J. M. Bryant. 1,960,693; May 29.
- Lubricating device for twister rings. H. B. Stuart. 1,979,778; Nov. 6.
- Lubricating fitting. G. S. Rogers. 1,957,731; May 8.
- Lubricating fixture. E. J. Bloom. 1,945,513; Feb. 6.
- Lubricating installation. J. Bijur. 1,948,501; Feb. 27.
- Lubricating installation and apparatus. J. Bijur. 1,955,732; Apr. 24.
- Lubricating means. J. L. Creveling. 1,960,527; May 29.
- Lubricating means. J. C. Friend. 1,946,316; Feb. 6.
- Lubricating means. H. C. Holderfield. 1,985,450; Dec. 25.
- Lubricating means. G. T. Kinney. 1,948,819; Feb. 27.
- Lubricating means. J. H. Lentell, Jr. 1,978,714; Oct. 30.
- Lubricating means. J. M. Merrow. 1,943,243; Jan. 9.
- Lubricating means. O. U. Zerk. 1,945,845; Feb. 6.
- Lubricating means for journal bearings. J. Dickson. 1,976,838; Oct. 16.
- Lubricating means for metal shaping machines. A. E. Robinson. 1,944,828; Jan. 23.
- Lubricating means for sewing machines. R. L. Plumley. 1,950,514; Mar. 13.
- Lubricating means for spindles. A. R. Davis. 1,947,972; Feb. 20.
- Lubricating means for wedging surfaces of friction draft gears. H. L. Spence. 1,955,393; Apr. 17.
- Lubricating mechanism. F. W. Cotterman. 1,978,835; Oct. 30.
- Lubricating mechanism. C. B. Morrish and W. H. Rex, Jr. 1,984,148; Dec. 11.
- Lubricating nipple with nonreturn valves for high pressure lubrication. H. Kreidel. 1,950,004; Mar. 6.
- Lubricating of axle bearings for rail vehicles. W. Lehmann. 1,941,946; Jan. 2.
- Lubricating pump. A. P. Fox and W. S. Boehm. 1,971,778; Aug. 28.
- Lubricating system. G. A. Barker. 1,966,434; July 17.
- Lubricating system. F. S. Barks. 1,970,591; Aug. 21.
- Lubricating system. F. C. Blanchard. 1,953,824; Apr. 3.
- Lubricating system. F. H. Gleason. 1,943,014; Jan. 9.
- Lubricating system. E. S. MacPherson. 1,948,929; Feb. 27.
- Lubricating system. H. E. Martin. 1,942,180; Jan. 2.
- Lubricating system. W. L. McFerren. 1,967,251; July 24.

- Lubricating system. R. C. Newhouse and G. D. Becker. 1,956,584; May 1.
- Lubricating system. E. F. Norelius. 1,959,060; May 15.
- Lubricating system. E. F. Wupper. 1,968,000; May 24.
- Lubricating system, Automatic. W. A. Chryst. 1,945,596; Feb. 6.
- Lubricating system, Central. J. Bijur. 1,959,340; May 22.
- Lubricating system, Centralized. O. U. Zerk. 1,955,162; Apr. 17.
- Lubricating system, Centralized. O. U. Zerk. 1,982,093; Nov. 27.
- Lubricating system for internal combustion engines. H. M. Northrup. 1,959,687; May 22.
- Lubricating system for internal combustion engines. B. N. Pierce. 1,957,909; May 8.
- Lubricating system for internal combustion engines. V. W. Thompson and B. N. Pierce. 1,972,543; Sept. 4.
- Lubricating system for rotary blowers, Circulatory. O. Becker, jr. 1,972,974; Sept. 11.
- Lubricating system for sewing machines. H. Hacklander. 1,969,927; Aug. 14.
- Lubricating system for transmission gears. K. Maybach. 1,970,385; Aug. 14.
- Lubricating system, High pressure. W. L. Morris. 1,976,957; Oct. 16.
- Lubrication. J. Bijur. 1,945,512; Feb. 6.
- Lubrication. J. Bijur. 1,946,478; Feb. 13.
- Lubrication. J. Bijur. 1,950,390; Mar. 13.
- Lubrication. J. Bijur. 1,961,190; June 5.
- Lubrication. J. Bijur. 1,968,022; July 31.
- Lubrication. J. Bijur. 1,974,415-16; Sept. 25.
- Lubrication. W. H. M. Higham. 1,953,959; Apr. 10.
- Lubrication. E. H. Kocher. 1,968,044; July 31.
- Lubrication. P. H. Staaff. 1,946,366; Feb. 6.
- Lubrication. L. Wylie and J. V. Lamson. 1,949,441; Mar. 6.
- Lubrication apparatus. W. Y. Brown. 1,956,144; Apr. 24.
- Lubrication apparatus. W. Y. Brown. 1,963,399; June 19.
- Lubrication, Central. J. Bijur. 1,979,247; Nov. 6.
- Lubrication, Clutch control. T. R. Thomas. 1,946,507; Feb. 13.
- Lubrication device. L. M. Andrews. 1,969,920; Aug. 14.
- Lubrication device. J. L. Creveling. 1,951,503; Mar. 20.
- Lubrication device. J. L. Creveling. 1,984,865; Dec. 18.
- Lubrication device. A. Y. Dodge. 1,946,063; Feb. 6.
- Lubrication device. A. Y. Dodge. 1,960,529; May 29.
- Lubrication device. A. Y. Dodge. 1,961,554; June 5.
- Lubrication device. A. Y. Dodge. 1,974,809; Sept. 25.
- Lubrication device. A. Y. Dodge. 1,976,059; Oct. 9.
- Lubrication device. H. R. Tear. 1,964,865; July 3.
- Lubrication device. H. R. Tear. 1,977,867; Oct. 23.
- Lubrication device. C. B. Thompson and O. B. Clark. 1,960,518; May 29.
- Lubrication device. J. A. Watson. 1,964,866; July 3.
- Lubrication indicator. A. G. Maddigan, H. E. Nehin, and R. E. Rousseau. 1,977,342; Oct. 16.
- Lubrication method and installation and the elements thereof. J. Bijur. 1,975,920; Oct. 9.
- Lubrication of engines, Device for. A. J. N. Charlier. 1,970,884; Aug. 21.
- Lubrication of fluid pressure tools. G. M. Nell. 1,968,901; Aug. 7.
- Lubrication of high speed gears and ball bearings. S. R. Puffer. 1,974,974; Sept. 25.
- Lubrication system. R. M. Gordon. 1,953,222; Apr. 3.
- Lubrication system. W. S. Henderson and W. Roe. 1,971,781; Aug. 28.
- Lubrication system. A. Wicha. 1,946,344; Feb. 6.
- Lubrication system for power heads and the like. C. Groen. May 15.
- Lubricator: See—**
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| Automatic lubricator. | Locomotive lubricator. |
| Bearing lubricator. | Rail and wheel flange lubricator. |
| Brake cylinder lubricator. | Rail lubricator. |
| Elevator lubricator. | Railway journal lubricator. |
| Flange and rail lubricator. | Rock drill lubricator. |
| Flange lubricator. | Razor blade lubricator. |
| Force feed lubricator. | Ring lubricator. |
| Guard rail lubricator. | Sight feed lubricator. |
| Journal lubricator. | |
| Leaf spring lubricator. | |
| Light feed mechanical lubricator. | |
- Lubricator. C. P. Griffith and E. W. H. Rennick. 1,976,493; Oct. 9.
- Lubricator. F. Hogg. 1,978,348; Oct. 23.
- Lubricator. C. F. Hooper. 1,967,474; July 24.
- Lubricator. L. A. House. Des. 93,225; Sept. 4.
- Lubricator. L. A. Merk. 1,942,484; Jan. 9.
- Lubricator. J. De Mooy. 1,947,430; Feb. 13.
- Lubricator. E. W. H. Rennick. 1,942,450; Jan. 9.
- Lubricator. W. H. Shaw. 1,960,715; May 29.
- Lubricator. A. von Wangenheim. 1,959,698; May 22.
- Lubricator. J. R. Warner. 1,979,591; Nov. 6.
- Lubricator. A. E. Westburgh. 1,983,504; Dec. 4.
- Lubricator attachment. E. H. and J. C. Morrow. 1,945,699; Feb. 6.
- Lubricator for axle or shaft bearings. E. E. von Bergen. 1,964,547; June 26.
- Lubricator for conveyers. W. M. Goerlich. 1,967,751; July 24.
- Lubricator for driving boxes of a locomotive, Journal. D. M. Wilks. 1,982,364; Nov. 27.
- Lubricator for elevator guide rails. E. J. Hill. 1,952,068; Mar. 27.
- Lubricator for pneumatic tools. E. W. Davis. 1,961,477; June 5.
- Lubricator for rolling mills, Roll neck. H. E. Kettlewell and L. Petitclaire. 1,949,103; Feb. 27.
- Lubricator for suction and pressure lubrication, Siphon. H. Kreidel. 1,945,554; Feb. 6.
- Lubricator insert for stuffing boxes. J. S. Taylor. 1,971,542; Aug. 28.
- Lubricator pump. C. H. Clausen. 1,949,992; Mar. 6.
- Lubricator structure. C. E. Dirkes. 1,958,187; May 8.
- Lubricator valve. L. R. Kerns. 1,963,663; June 19.
- Lug chuck for rock drills. J. C. Curtis. 1,968,380; July 31.
- Lug matrix for type metal. R. P. Barennes. 1,972,674; Sept. 4.
- Lug, Welding. J. H. Taylor. 1,978,178; Oct. 23.
- Lugs in thread protectors, Apparatus for forming. H. A. Unke. 1,949,923; Mar. 6.
- Luggage. E. Dresner. 1,944,172; Jan. 23.
- Luggage. O. H. Plotkin. 1,984,698; Dec. 18.
- Luggage. G. H. Wheary. 1,983,721; Dec. 11.
- Luggage and trunk carrier. G. C. Monckmeier. 1,977,734-5; Oct. 23.
- Luggage carrier. J. Ritter, jr. 1,975,292; Oct. 2.
- Luggage carrier. J. Ritter, jr., and W. C. Chesnut. 1,947,227; Feb. 13.
- Luggage carrier. G. H. Self. 1,976,146; Oct. 9.
- Luggage carrier case. J. Ritter, jr. 1,946,761-2; Feb. 13.
- Luggage case. W. Wintz. 1,952,699; Mar. 27.
- Luggage, Hand. S. Sand and J. Ritter, jr. 1,975,294; Oct. 2.
- Luggage, Hand. G. H. Wheary. 1,968,580; July 31.
- Luggage, Hand. G. H. Wheary. 1,984,446; Dec. 18.
- Luggage, Hand. G. H. Wheary and B. M. Hamlin. 1,954,607; Apr. 10.
- Luggage holder. J. Ritter, jr. 1,960,455; May 29.
- Luggage, Lady's hand. G. H. Wheary. 1,950,584; Mar. 13.
- Lumber and making the same, Laminated. E. E. Heine-man. 1,944,237; Jan. 23.
- Lumber, Apparatus for manufacture of artificial. C. J. Taylor. 1,960,399; May 29.
- Lumber, Artificial. G. Witty. 1,974,227; Sept. 18.
- Lumber drying apparatus for yard use. H. B. Oakleaf. 1,976,410; Oct. 9.
- Lumber, Patched. O. P. M. and W. C. Goss. 1,976,722; Oct. 16.
- Lumber printing and marking machine. H. H. Payzant. 1,966,396; July 10.
- Lumber that is not attacked by molds, Producing synthetic. O. R. Sweeney. 1,946,952-3; Feb. 13.
- Lumber trimming and marking machine. H. H. Payzant and P. F. Lueth. 1,977,971; Oct. 23.
- Lumber with the aid of disbarking drums, Disbarbing long-cut. F. E. Berggren. 1,950,078; Mar. 6.
- Luminair. M. Exelmans. 1,976,163; Oct. 9.
- Luminair. R. A. Wood. 1,948,555; Feb. 27.
- Luminescent tube. F. R. Balcar. 1,949,069; Feb. 27.
- Luminescent tube. F. R. Balcar. 1,951,006; Mar. 13.
- Luminescent tube. L. L. Beck and A. E. Noble. 1,946,477; Feb. 13.
- Luminous dashes and dots on a dark ground, Apparatus for projecting. W. Bauersfeld. 1,943,511; Jan. 16.
- Luminous discharge lamp. M. E. Muse. 1,955,971; Apr. 24.
- Luminous discharge tube. R. R. Machlett. 1,961,617; June 5.
- Luminous display device. W. O. Prouty. 1,942,877; Jan. 9.
- Luminous price sign. L. F. Brown. 1,970,124; Aug. 14.
- Luminous projection. A. Marsat. 1,944,187; Jan. 23.
- Luminous signals, particularly adapted for aviation purposes, Device for giving. R. J. Castendijk. 1,969,206; Aug. 7.
- Luminous tube sign. W. O. Prouty. 1,943,772; Jan. 16.
- Lure. W. C. Maynard. 1,977,003; Oct. 16.
- Lure. Fish. R. B. Worden. 1,975,218; Oct. 2.
- M-methyl compounds of the pyridine series, Preparing. O. Ernst and W. Berndt. 1,960,334; May 29.
- Macaroni. A. Ronzoni. Des. 93,850; Nov. 13.
- Macaroni. G. Tanzi. Des. 91,445; Jan. 30.
- Macaroni. G. Tanzi. Des. 94,172; Dec. 25.
- Macaroni and die for producing the same. F. Penza. 1,959,006; May 15.
- Macaroni and producing the same. G. Tanzi. 1,969,589; Aug. 7.
- Macaroni machine. F. Mariani. 1,985,574; Dec. 25.
- Macaroni or similar article. V. De Palo. Des. 92,591; June 26.
- Macaroni or similar article. G. Tanzi. Des. 92,684; July 3.
- Macaroni or similar article. G. Tanzi. Des. 93,253; Sept. 4.
- Machine and method for automatically treating poultry. A. W. Bruce. 1,960,048; May 22.
- Machine and method for forming externally toothed machine elements. E. W. Miller. 1,953,969; Apr. 10.
- Machine and method for making knockdown boxes. S. Bergstein. 1,962,759; June 12.
- Machine and method for making knockdown boxes. S. Bergstein. 1,974,408; Sept. 25.

- Machine and method for rolling tapered disks and article produced thereby. E. G. Budd and E. Ibach. Re19,130; Apr. 3.
- Machine and process for annealing tubes. A. J. Mason and W. L. Tancred. 1,972,787; Sept. 4.
- Machine and process for folding towels and the like. S. Sokolow and J. E. Preston. 1,960,682; May 29.
- Machine and producing wall board. J. Dean. 1,945,306; Jan. 30.
- Machine base. W. A. Okenfuss. 1,974,158; Sept. 18.
- Machine base. W. E. Sharp. 1,947,501; Feb. 20.
- Machine control. C. Schaum. 1,971,466; Aug. 28.
- Machine control. Dynamo-electric. H. V. Brown. 1,946,303; Feb. 6.
- Machine control mechanism. K. F. Moller. 1,981,147; Nov. 20.
- Machine fixture. J. P. Melcher and W. D. Cappe. 1,979,897; Nov. 6.
- Machine for abrading concrete surfaces. J. Wilks. 1,954,111; Apr. 10.
- Machine for affixing opening threads to envelopes. L. A. Cherry and C. N. Fuller. 1,966,333; July 10.
- Machine for and method of inserting fastenings. F. N. La Chapelle. 1,963,169; June 19.
- Machine for and method of lapping the ends of round work pieces. F. W. Elstub. 1,949,514; Mar. 6.
- Machine for and method of making commutator rings. F. F. Newkirk. 1,972,789; Sept. 4.
- Machine for and method of producing joints or traffic lines in concrete. J. N. Heltzel. 1,946,972; Feb. 13.
- Machine for and method of treating shingles. M. L. Caton. 1,953,288; Apr. 3.
- Machine for and process of fabricating container walls and accessories thereon. R. Blaho. 1,948,488; Feb. 27.
- Machine for and process of fabricating container walls and accessories thereon. R. Blaho. 1,948,490; Feb. 27.
- Machine for applying cement. H. L. Chapin and A. S. Johnson. 1,985,482; Dec. 25.
- Machine for applying covers to crates. L. H. Platt. 1,976,033; Oct. 9.
- Machine for applying pressure and heat to bottle cap flanges. H. F. Kniesche. 1,965,550; July 3.
- Machine for applying reinforcing and sealing tapes. W. W. McLaurin. 1,969,660; Aug. 7.
- Machine for applying sealing annuli to receptacle covers. L. L. Ludington. 1,984,223; Dec. 11.
- Machine for applying webs to wire and the like. C. B. Fantone and R. M. Jameson. 1,984,405; Dec. 18.
- Machine for applying wrapping materials to canisters. W. H. Wall. 1,962,651; June 12.
- Machine for assembling cartons. S. Bergstein. 1,960,804; May 29.
- Machine for assembling electric plugs. Automatic. C. E. Gilbert. 1,953,476; Apr. 3.
- Machine for assembling mattress tufts and tufting cords. J. F. Gail. 1,942,420; Jan. 9.
- Machine for assembling ophthalmic mountings. S. E. Bouchard. 1,978,890; Oct. 30.
- Machine for assembling tension rods with other elements. W. C. Uline. 1,954,546; Apr. 10.
- Machine for attaching bails to containers. G. S. Hoover. 1,947,472; Feb. 20.
- Machine for attaching heels to shoes. F. E. Bertrand. 1,948,499; Feb. 27.
- Machine for attaching keys to containers. A. L. Kronquest. 1,985,864; Dec. 25.
- Machine for attaching soles to shoes. C. F. Freeman. 1,981,694; Nov. 20.
- Machine for automatically sealing hoods on bottles. J. T. Eubank. 1,980,792; Nov. 13.
- Machine for automatically treating poultry. A. W. Bruce. 1,977,542; Oct. 16.
- Machine for backing sheet rubber. H. J. Wock. 1,957,518; May 8.
- Machine for beading over sheet metal flanges. X. Sonntag. 1,976,148; Oct. 9.
- Machine for binding or assembling boards. T. White and S. Lister. 1,966,055; July 10.
- Machine for blowing glass articles in molds. L. D. Soubier. 1,972,464; Sept. 4.
- Machine for blowing hollow articles. E. R. Person. 1,984,697; Dec. 18.
- Machine for boring and plugging holes in wood. G. Maurer. 1,983,179; Dec. 4.
- Machine for boxing matches. O. Sassoli. 1,978,284; Oct. 23.
- Machine for breaking cubes of ice. T. J. Fegley and G. O. Leopold. 1,980,952; Nov. 13.
- Machine for brushing knitted fabrics. F. D. Oakes. 1,961,939; June 5.
- Machine for carotting furs. E. A. Culbane and D. D. Wilson. 1,960,528; May 29.
- Machine for casting straps and posts on sets of battery plates. H. W. Lormor. 1,948,120; Feb. 20.
- Machine for cementing shoe uppers. C. H. Bowlen. 1,959,341; May 22.
- Machine for centering and marking crankshaft forgings. M. H. Damerell. 1,954,920; Apr. 17.
- Machine for changing flat can bodies into cylindrical form. A. L. Kronquest and M. M. Sedwick. 1,959,369; May 22.
- Machine for clamping frames on pocketbooks. M. M. Balsam. 1,971,151; Aug. 21.
- Machine for classifying finger prints. E. E. Comstock. 1,977,229; Oct. 16.
- Machine for cleaning and polishing fruit. S. C. Rieke. 1,965,056; July 3.
- Machine for cleaning fresh fruit and the like. L. E. Jones. 1,946,021; Feb. 6.
- Machine for cleaning seed cotton and for extracting the seed cotton from burrs and hulls. J. Blewett. 1,976,382; Oct. 9.
- Machine for coating articles with paraffin or the like. A. R. Pollock. 1,985,644; Dec. 25.
- Machine for coating sheet material. C. O. Kilham. 1,943,442; Jan. 16.
- Machine for coating the channel of an irregularly shaped can end. J. Coyle. 1,955,670; Apr. 17.
- Machine for coating welding rods and the like. O. L. Howland and C. J. Kotchl. 1,952,499; Mar. 27.
- Machine for coiling metal strips. M. Nigro. 1,981,566; Nov. 20.
- Machine for coiling solder. A. F. Sternad. 1,942,264; Jan. 2.
- Machine for coiling strips. E. W. Mikaelson. 1,956,906; May 1.
- Machine for conditioning sheet stock. C. M. Yoder. 1,953,092; Apr. 3.
- Machine for continuous centrifugal casting. R. H. Eurich and B. F. Anthony. 1,942,919; Jan. 9.
- Machine for copper coating wire. J. L. Herman. 1,961,148; June 5.
- Machine for countersinking nuts. L. A. Frayer. 1,950,939; Mar. 13.
- Machine for cracking off shells of coquito nut and its similars. M. M. Rangel. 1,948,396; Feb. 20.
- Machine for creasing sheet material. H. B. Greenwood. 1,978,157; Oct. 23.
- Machine for creasing, slotting, and printing blanks. G. W. Swift, Jr. 1,977,812; Oct. 23.
- Machine for crimping plastic caps on bottles. R. E. Rundell. 1,958,769; May 15.
- Machine for crocheting a sheathing about a core. M. J. and P. F. Nardulli. 1,965,298; July 3.
- Machine for cubing meat. J. P. Spang. 1,942,499; Jan. 9.
- Machine for cultivating elongated slots. C. H. Tate. 1,956,911; May 1.
- Machine for curing concrete. W. N. Stevenson. 1,946,819; Feb. 13.
- Machine for cutting belt lacer hook cards or holders. J. K. Diamond. 1,964,457; June 26.
- Machine for cutting can body blanks from metal sheets. J. Coyle. 1,955,671; Apr. 17.
- Machine for cutting friction elements. H. N. Smith. 1,965,110; July 3.
- Machine for cutting grooves and slots. G. E. Cleveland. 1,974,417; Sept. 25.
- Machine for cutting printed wrappers. R. B. Donnelley and J. F. Hawley. 1,946,457; Feb. 6.
- Machine for cutting screw threads. H. Godziewski. 1,965,035; July 3.
- Machine for cutting, raising, conveying, and depositing peat sods. H. Haverkort. 1,954,933; Apr. 17.
- Machine for cutting sheets of glass and the like. E. A. Rosin. 1,970,919; Aug. 21.
- Machine for cutting spiral bevel gears. F. H. Adams. 1,973,133; Sept. 11.
- Machine for cutting sticks from flat strips. W. Kramer. 1,952,926; Mar. 27.
- Machine for cutting wood and like materials. Hand-operated. A. L. Turner and E. W. Underwood. 1,978,557; Oct. 30.
- Machine for decorticating fibrous plants. W. J. Hollier. 1,964,120; June 26.
- Machine for decorticating maize cobs. E. E. C. Serre. 1,966,871; July 17.
- Machine for de-lasting boots and shoes. M. Grune. 1,984,263; Dec. 11.
- Machine for delivering sheets from a stack. H. Kurth. 1,976,788; Oct. 16.
- Machine for depositing articles or viscous liquids and the like upon trays or in molds carried by a continuously traveling conveyer. G. R. Baker. 1,973,196; Sept. 11.
- Machine for depositing semifluid material in molds. J. C. Paterson and G. R. Baker. 1,973,225; Sept. 11.
- Machine for detecting and correcting errors in articles. J. Y. Blabek and R. G. Anderson. 1,984,627; Dec. 18.
- Machine for developing goffered moving picture films. I. Kitroser. 1,967,889; July 24.
- Machine for digging, removing, and smoothing dirt, gravel, and the like. H. R. Miller. 1,974,190; Sept. 18.
- Machine for dispensing tape of channel shape. T. H. Krueger. 1,967,579; July 24.
- Machine for dividing dough and the like. C. G. Steffen. 1,966,269; July 10.
- Machine for drawing and cutting stock. C. Thyssen. 1,970,205; Aug. 14.
- Machine for drawing and twisting tubes. E. Wrage. 1,973,031; Sept. 11.
- Machine for drawing designs. P. J. Grupp. 1,980,917; Nov. 13.
- Machine for drawing threads in fabrics. H. Corral and J. Heggie. 1,977,573; Oct. 16.
- Machine for dressing emery hobs. E. E. Tougas and M. T. Schumb. 1,946,888; Feb. 13.
- Machine for drilling, screwing, and tapping. P. E. A. Marchal. 1,945,326; Jan. 30.
- Machine for drying and powdering wood waste. O. P. M. and W. C. Goss. 1,985,250; Dec. 25.

- Machine for drying textile materials. H. H. Belcher. 1,980,163; Nov. 13.
- Machine for dyeing yarn. H. Gough. 1,943,175; Jan. 9.
- Machine for effecting kneading, crushing, mixing, and similar operations. H. G. Torulf and B. Zettergren. 1,963,534; June 19.
- Machine for effecting relative movement between lasts and shoes. G. A. Perkins, jr. 1,966,462; July 17.
- Machine for enameling sheet metal. W. K. Friend. 1,976,066; Oct. 9.
- Machine for engraving molds. S. W. Harris, F. H. Jennings, and R. W. Sethman. 1,974,919; Sept. 25.
- Machine for extruding plastic materials. H. B. Klippel. 1,977,515; Oct. 16.
- Machine for fabricating coiled spring structures. D. T. Owen. 1,950,188; Mar. 6.
- Machine for facilitating the stringing of lawn tennis and like rackets. W. E. B. Jaffe. 1,945,043; Jan. 30.
- Machine for fastening a wire to a tube. A. W. Phelps, J. W. Holmes, C. E. Birch, and H. E. Smith. 1,960,954; May 29.
- Machine for fastening covers to fruit baskets. S. H. Sheller. 1,980,764; Nov. 13.
- Machine for fastening lids to hampers and baskets. H. Matthews, J. H. Warntjes, E. Arthurs, and W. C. Wilkinson. 1,944,254; Jan. 23.
- Machine for feeding and cutting sheet material, Automatic. R. W. Barker. 1,948,641; Feb. 27.
- Machine for filling and closing bags. P. Gangler. 1,951,572; Mar. 20.
- Machine for filling and corking bottles of any shape and dimension. E. F. Dauteuil. 1,943,208; Jan. 9.
- Machine for fine grading. S. A. Scullen. 1,956,931; May 1.
- Machine for finishing bolts and screws. H. D. Simkins and O. P. De Loe. 1,946,243; Feb. 6.
- Machine for finishing carpets and rugs. R. G. Knowland and W. B. Cooper. 1,974,400; Sept. 18.
- Machine for finishing gears. E. R. Fellows. 1,960,841; May 29.
- Machine for finishing the pile surface of carpets and rugs. R. G. Knowland and W. B. Cooper. 1,953,883; Apr. 3.
- Machine for fixing attaché case locks and similar fastenings. C. W. Cheney. 1,955,790; Apr. 24.
- Machine for flotation of ores. A. W. Fahrenwald. 1,984,366; Dec. 18.
- Machine for folding and feeding book signatures. R. C. Baker. 1,945,253; Jan. 30.
- Machine for folding flat paper-matters. M. Goder. 1,985,859; Dec. 25.
- Machine for folding paper bags. E. H. Jähne. 1,976,259; Oct. 9.
- Machine for forming bundles. S. T. Silway. 1,965,992; July 10.
- Machine for forming carton blanks. J. Goffin. 1,962,815; June 12.
- Machine for forming color cards. H. Sousa and N. T. and S. P. Jensen. 1,962,413; June 12.
- Machine for forming composition shingles. J. V. Johansen. 1,953,680; Apr. 3.
- Machine for forming cushion brims. L. Daru. 1,985,021; Dec. 18.
- Machine for forming fabrications from strip material. H. Fuchs. 1,980,856; Nov. 13.
- Machine for forming forgings. H. F. Johnson. 1,984,021; Dec. 11.
- Machine for forming glass articles. A. S. Jackson and C. W. Hale. 1,959,430; May 22.
- Machine for forming glass articles. G. Lufkin. 1,981,238; Nov. 20.
- Machine for forming hollow glassware. L. D. Soubier. 1,981,637; Nov. 20.
- Machine for forming metal. T. M. Hiester. 1,953,934; Apr. 10.
- Machine for forming metal wool into pads. L. Peterson. 1,968,310; July 31.
- Machine for forming rubber articles. S. B. Field. 1,985,821; Dec. 25.
- Machine for generating dies of irregular surface. J. F. Pagendarm. 1,983,770; Dec. 11.
- Machine for grading articles by weight. E. J. Hiscock. 1,959,237; May 15.
- Machine for grinding cylindrical bodies. W. Ogilvie. 1,978,279; Oct. 23.
- Machine for grinding friction elements. H. N. Smith. 1,961,175; June 5.
- Machine for grinding gears. F. A. Ward. 1,976,818; Oct. 16.
- Machine for grinding splined shafts, gear teeth, and the like. J. W. Snarry. 1,970,060; Aug. 14.
- Machine for grinding the inner surfaces of cylinders or the like. K. Jung. 1,975,899; Oct. 9.
- Machine for grooving fibrous board. J. T. Robinson and T. A. Schwamb. 1,967,262; July 24.
- Machine for hardening gears, Automatic. H. Schicht. 1,948,480; Feb. 20.
- Machine for harvesting potatoes and the like. W. G. Bunker. 1,984,826; Dec. 18.
- Machine for holding sliced bread while being wrapped. S. and J. Poganitz. 1,951,440; Mar. 20.
- Machine for hooping or strapping boxes and other packages or objects. H. Brenneisen. 1,967,739; July 24.
- Machine for infolding and creasing blanks. W. L. Dixon. 1,979,872; Nov. 6.
- Machine for inserting cigars or the like in containers. L. A. Becker. 1,953,098; Apr. 3.
- Machine for installing a marking element in concrete pavement. D. Y. Bate. 1,974,979; Sept. 25.
- Machine for joining looped fabrics. H. McAdams. 1,953,247; Apr. 3.
- Machine for lasting stitchdown shoes. B. T. Leveque. 1,972,023; Aug. 28.
- Machine for making a knotted stitch. W. F. Lautenschlager. 1,971,143; Aug. 21.
- Machine for making and applying wire handles to baskets. L. M. Hile. 1,950,795; Mar. 13.
- Machine for making and sealing containers from transparent cellulose material. H. J. Neumiller. 1,978,594; Oct. 30.
- Machine for making articles of pulp. G. W. Swift, jr. 1,983,324; Dec. 4.
- Machine for making book matches. M. Paridon. 1,943,455; Jan. 16.
- Machine for making box partitions. W. E. Beck. 1,972,699; Sept. 4.
- Machine for making box tops and bottoms. A. J. Ambrose. 1,974,636; Sept. 25.
- Machine for making box tops and bottoms. A. J. Ambrose. 1,979,433; Nov. 6.
- Machine for making box trays. M. Paridon. 1,978,057; Oct. 23.
- Machine for making boxes. H. J. Goss. 1,959,235; May 15.
- Machine for making boxes. H. S. Labombarde. 1,972,021; Aug. 28.
- Machine for making building blocks. F. X. Muenzer. 1,946,708; Feb. 13.
- Machine for making bushel basket blanks or mats. W. F. Newhouse. 1,981,065; Nov. 20.
- Machine for making can opening keys. A. E. Almgren. 1,954,791; Apr. 17.
- Machine for making cigar wrappers. H. Radzinsky. 1,972,952; Sept. 11.
- Machine for making coated woven tubes. J. A. Kennedy. 1,949,476; Mar. 6.
- Machine for making corner molding, beading and the like. L. E. Curtis. 1,982,466; Nov. 27.
- Machine for making corrugated paper board. G. W. Swift, jr. 1,981,338; Nov. 20.
- Machine for making covers of cases of books. P. R. Glass. 1,958,537; May 15.
- Machine for making curbs and gutters. E. S. Clark and H. L. Andrus. 1,985,220; Dec. 18.
- Machine for making dough from cereals or the like. M. Schaul. 1,946,001; Feb. 6.
- Machine for making filing-folders. C. F. and I. G. Anderson. 1,971,892; Aug. 28.
- Machine for making flat fiber reed. G. E. Nordstrom. 1,962,257; June 12.
- Machine for making food products. F. Pizzini and E. W. Glenney. 1,955,342; Apr. 17.
- Machine for making friction elements. H. N. Smith. 1,961,176; June 5.
- Machine for making frozen confections. R. G. Birr. 1,984,724; Dec. 18.
- Machine for making frozen confections. J. F. Robb. 1,960,456; May 29.
- Machine for making heddles. R. Ragan. 1,948,129; Feb. 20.
- Machine for making ice-cream cones and the like. J. P. Groset and C. J. Halset. 1,979,259; Nov. 6.
- Machine for making ice cream cones and the like. J. P. Groset and C. J. Halset. 1,981,862; Nov. 27.
- Machine for making lampshades and the like. J. M. Angeletti. 1,958,459; May 15.
- Machine for making laundry bags. M. H. Sidebotham. 1,944,532; Jan. 23.
- Machine for making lollipops. E. Böttger and M. Schertz. 1,958,380; May 8.
- Machine for making longitudinally curved reenforced shank stiffeners. W. H. Nickerson. 1,945,618; Feb. 6.
- Machine for making match packets. L. E. Parker. 1,977,203; Oct. 16.
- Machine for making metal wool. C. E. Galvin. 1,977,053; Oct. 16.
- Machine for making multiple unit structural slabs. N. L. Aberson. 1,948,087; Feb. 20.
- Machine for making packages with integral tearing strips. E. L. Smith and C. E. Melhorn. 1,943,559; Jan. 16.
- Machine for making paper bags. R. W. Jajte. 1,947,396; Feb. 13.
- Machine for making paper boxes. J. Zanetti. 1,965,274; July 3.
- Machine for making paper or card matches. F. Schafer. 1,971,992; Aug. 28.
- Machine for making patterned knit fabrics. H. N. Shepard. 1,974,473; Sept. 25.
- Machine for making printers' leads and rules. G. H. M. Dahl. 1,946,488; Feb. 13.
- Machine for making razor blades. F. Kylberg. 1,957,602; May 8.
- Machine for making rugs, carpets, and the like. W. Loos. 1,970,703; Aug. 21.
- Machine for making sanitary napkins. C. J. Greiner and O. T. Thompson. 1,972,062; Aug. 28.
- Machine for making shoe uppers. B. W. Freeman. 1,969,505; Aug. 7.
- Machine for making stereotype matrices. D. H. Fleming. 1,919,324; Sept. 25.
- Machine for making stick candy. J. M. Hutchinson. 1,958,144; May 8.

- Machine for making tapered tubes. J. L. Cassady. 1,957,387; May 1.
- Machine for making tubes. L. S. Rosener. 1,944,465; Jan. 23.
- Machine for making upholstery edges. H. Fox. 1,964,981; July 3.
- Machine for making wafers. J. P. Groset and C. J. Halset. 1,962,144; June 12.
- Machine for making welded tubing. E. R. T. Jones. 1,961,224; June 5.
- Machine for making wire rope. A. J. Morgan. 1,961,379; June 5.
- Machine for manufacturing bushings. R. W. Glasner and F. J. Rode. 1,974,214; Sept. 18.
- Machine for manufacturing capsules. A. B. Nagy. 1,978,756; Oct. 30.
- Machine for manufacturing composition roofing. A. G. Leonard, jr. 1,975,584; Oct. 2.
- Machine for manufacturing heels for shoes. G. Clausing. 1,948,258; Feb. 20.
- Machine for manufacturing hose. C. C. Spadone. 1,942,498; Jan. 9.
- Machine for manufacturing spirally wound straws and other tubes. J. Balton. 1,967,171; July 17.
- Machine for manufacturing tubular fabric. C. Séry. 1,947,924; Feb. 20.
- Machine for marking shingles. F. B. Huntington. 1,979,744; Nov. 6.
- Machine for mixing paving material. G. A. Ross. 1,966,647; July 17.
- Machine for molding floor slabs. F. M. Venzie. 1,982,891; Dec. 4.
- Machine for molding hollow rubber articles. L. J. Clayton. 1,965,824; July 10.
- Machine for molding pipes and other hollow articles. H. Pechstädt. 1,961,981; June 5.
- Machine for operating on paper containers. J. D. Reifsnnyder. 1,962,787; June 12.
- Machine for operating on shoe parts. G. Hazelton. 1,973,067; Sept. 11.
- Machine for operating on shoes. A. Bates and F. B. Keall. 1,943,411; Jan. 16.
- Machine for operating on textile threads. R. Robertson. 1,984,810; Dec. 18.
- Machine for operating upon box-blanks. C. D. Knowlton. 1,952,172; Mar. 27.
- Machine for operating upon hides, skins, and leather. H. Loeschner. 1,959,589; May 22.
- Machine for operating upon hides, skins, leather, and other similar pieces of work. W. E. Broughton. 1,955,051; Apr. 17.
- Machine for operating upon shoe-bottoms. L. S. MacDonald. 1,959,593; May 22.
- Machine for operating upon shoe parts. A. Bates, W. R. Barclay, and G. Hazelton. 1,984,453; Dec. 18.
- Machine for operating upon stitchdown shoes. W. C. Baxter. 1,955,730; Apr. 24.
- Machine for operating upon the soles of shoes. A. A. Lawson. 1,955,753; Apr. 24.
- Machine for operating upon the soles of shoes. G. A. Miner and A. A. Lawson. 1,948,531; Feb. 27.
- Machine for packaging cigarettes and other staff shaped articles. G. Örström. 1,966,995; July 17.
- Machine for packaging mattresses and the like. S. L. Ginsberg. 1,985,163; Dec. 18.
- Machine for packing articles into boxes. W. D. Kimball and C. Braren. 1,942,555; Jan. 9.
- Machine for packing cigarettes and like articles. G. D. Horgan. 1,961,047; May 29.
- Machine for packing cigarettes into boxes. G. Meyer-Jagenberg. 1,964,925; July 3.
- Machine for peening pipe flanges. R. D. Wearne. 1,953,842; Apr. 3.
- Machine for performing finishing operations. L. J. Bazzoni. 1,956,556; May 1.
- Machine for picking cotton. F. M. Pond. 1,944,998; Jan. 30.
- Machine for placing liners in container closures. W. F. Schmalz. 1,966,600; July 17.
- Machine for placing paper linings in molds. T. D. Watkins and B. A. Slocum. 1,945,243; Jan. 30.
- Machine for placing sealing caps on bottles. A. Colton. 1,955,949; Apr. 24.
- Machine for preparing or spinning yarns or threads. W. A. Dickie and F. C. Hale. 1,941,666; Jan. 2.
- Machine for preshaping and applying tapes. B. M. A. Trebes. 1,958,598; May 15.
- Machine for pressing soles upon shoes and pad therefor. S. J. Finn. 1,946,490; Feb. 13.
- Machine for printing descriptive matter on can ends. A. L. Kronquest. 1,975,010; Sept. 25.
- Machine for printing postage stamps. F. T. Wood. 1,965,757; July 10.
- Machine for printing transfers. T. Marston and T. H. Miller. 1,959,436; May 22.
- Machine for producing or reproducing designs and other forms. W. Wilkins and E. J. Vandy. 1,945,928; Feb. 6.
- Machine for producing square hams. J. Bech. 1,975,916; Oct. 9.
- Machine for producing tobacco portions of uniform size. K. E. Granstedt. 1,978,861; Oct. 30.
- Machine for producing wire strands. H. Hill. 1,947,775; Feb. 20.
- Machine for raising areas on printing plates. I. Tornberg. 1,978,972; Oct. 30.
- Machine for raising pavement. J. W. Poulter. 1,969,324; Aug. 7.
- Machine for reducing axle housing blanks. G. Spatta. 1,962,944; June 12.
- Machine for reducing printing plates to uniform thickness. L. W. Claybourn. 1,942,592; Jan. 9.
- Machine for reeling friction elements. H. N. Smith. 1,965,132; July 3.
- Machine for reforming can or receptacle bodies. C. J. Rhodes. 1,963,248; June 19.
- Machine for removing paste from grids. H. W. Lormor. 1,968,533; July 31.
- Machine for removing pits from fruit. G. Frova. 1,977,675; Oct. 23.
- Machine for removing waterproof coatings. C. W. Keuffel. 1,949,868; Mar. 6.
- Machine for removing wool from dead skins. W. Dale. 1,970,493; Aug. 14.
- Machine for rolling and cutting dough or the like plastic substances. S. V. Poultney. 1,945,443; Jan. 30.
- Machine for rolling core solder. A. F. Sternad. 1,950,525; Mar. 13.
- Machine for rolling rugs. G. W. Mudd. 1,951,060; Mar. 13.
- Machine for rolling screw threads. G. H. Wayne. 1,979,919; Nov. 6.
- Machine for rounding and backing books. A. Cahen. 1,959,656; May 22.
- Machine for sawing nuts and the like. O. A. and R. E. Milam. 1,978,808; Oct. 30.
- Machine for screening gin trash. R. E. McDonald and G. J. Scholl. 1,951,735; Mar. 20.
- Machine for sealing bags and like containers. A. H. Maynard. 1,963,306; June 19.
- Machine for sealing containers under vacuum. O. B. Underwood. 1,965,678; July 10.
- Machine for sealing laminated glass. J. L. Drake. 1,948,566; Feb. 27.
- Machine for separating and feeding blanks. W. W. Davidson. 1,963,694; June 19.
- Machine for separating cotton from air. J. E. Mitchell. 1,945,820; Feb. 6.
- Machine for separating jig-saw puzzle pieces. L. A. Robillard. 1,957,078; May 1.
- Machine for separating maculate parts of sheet paper. A. Gayler. 1,957,260; May 1.
- Machine for setting up cartons. L. Benoit. 1,960,238; May 29.
- Machine for sewing fastener tape and the like. L. Roseman. 1,985,743; Dec. 25.
- Machine for sewing mattress covers. L. E. Pittoni. 1,947,058; Feb. 13.
- Machine for shaping bar ends and work and finishing purposes. J. M. Nash. 1,968,091; July 31.
- Machine for shaping can bodies into cylindrical form. A. L. Kronquest. 1,966,349; July 10.
- Machine for shaping heel breast covering flaps. L. J. Bazzoni. 1,983,591; Dec. 11.
- Machine for shaping metal can bodies. M. M. Sedwick. 1,984,600; Dec. 18.
- Machine for shaping shoe uppers. E. A. Holmgren. 1,968,146; July 31.
- Machine for shaping tires and inserting airbags. R. S. Kirk. 1,948,302; Feb. 20.
- Machine for shaping uppers over lasts. B. B. Blanchard. 1,955,870; Apr. 24.
- Machine for shaping uppers over lasts. J. C. Jorgensen. 1,985,256; Dec. 25.
- Machine for shaping uppers over lasts. C. F. and A. F. Pym. 1,980,435; Nov. 13.
- Machine for shaping uppers over lasts. W. T. B. Roberts. 1,962,260; June 12.
- Machine for shaping uppers over lasts. G. P. Swales, W. T. B. Roberts, and H. Lane. 1,979,420; Nov. 6.
- Machine for sharpening saw blades. J. L. Litomy. 1,952,323; Mar. 27.
- Machine for shredding leather. E. G. Howes, jr., and E. C. Bartlett. 1,973,074; Sept. 11.
- Machine for simultaneously forming independent stitched seams. K. Maier. 1,947,299; Feb. 13.
- Machine for slitting meat, vegetables, and the like. J. P. Spang. 1,942,500; Jan. 9.
- Machine for snelling fishhooks. W. S. Torence. 1,951,222; Mar. 13.
- Machine for sorting and cleaning articles. W. E. Ghent and F. M. Parks. 1,952,429; Mar. 27.
- Machine for sorting documents and the like provided with statistical or other determinative perforations. D. Macadie and C. F. Ratcliff. 1,943,940; Jan. 16.
- Machine for spinning helical springs. H. G. Brandwein. 1,952,413; Mar. 27.
- Machine for splitting abaca stalks. N. H. Duckworth. 1,948,905; Feb. 27.
- Machine for splitting grid castings. L. C. Goad. 1,953,170; Apr. 3.
- Machine for spreading and surfacing road material. A. N. Nickerson. 1,970,391; Aug. 14.
- Machine for straightening, drawing, and polishing rods. H. Möller. 1,976,357; Oct. 9.
- Machine for stropping razor blades. V. Buxton. 1,950,969; Mar. 13.
- Machine for surface treating shoe parts. C. G. Brostrom. 1,980,376; Nov. 13.
- Machine for taking tobacco out of cigarettes. O. Legg. 1,956,925; May 1.

- Machine for testing angularity of wheels. I. J. Wilson. 1,967,139; July 17.
- Machine for testing the sharpness of blades. E. J. Casselman. 1,983,597; Dec. 11.
- Machine for the automatic continuous production of alimentary paste of the macaroni and vermicelli type. A. Carozzi. 1,959,569; May 22.
- Machine for the manufacture of ampullas and the like glass bodies. J. Dichter. 1,962,985; June 12.
- Machine for the manufacture of chocolate. O. Lauenstein. 1,971,314; Aug. 21.
- Machine for the manufacture of Christmas crackers. F. R. Stelling. 1,960,759; May 29.
- Machine for the manufacture of machined bolts and nuts. C. Mercer. 1,959,487; May 22.
- Machine for the manufacture of match splint strips. J. W. Johansson. 1,948,381; Feb. 20.
- Machine for the manufacture of shells for metal cups and similar articles. F. Seitz. 1,954,332; Apr. 10.
- Machine for the production of a plurality of substantially similar units. E. P. Muntz. 1,941,812; Jan. 2.
- Machine for the production of bonbons. H. Thurlings. 1,967,565; July 24.
- Machine for the production of knitted fabrics. R. K. Mills. 1,951,103-4; Mar. 13.
- Machine for the treating of hat-felts. T. Boraslin. 1,963,113; June 19.
- Machine for the wet treatment of fabrics. H. Karrer. 1,946,627; Feb. 13.
- Machine for threading couplings. R. L. Hibbard. 1,967,508; July 24.
- Machine for timing time fuses for artillery projectiles. A. Varaud. 1,980,892; Nov. 13.
- Machine for treating corn stalks. O. O. Mann and J. W. Chenoweth. 1,982,680; Dec. 4.
- Machine for treating fabrics with liquid. J. E. Peterson. 1,958,676; May 15.
- Machine for treating filled containers preparatory to sealing the same. A. L. Kronquest and R. B. McKinnie. 1,975,011; Sept. 25.
- Machine for treating French binding work. T. C. Rowen. 1,959,386; May 22.
- Machine for treating shoe parts. L. S. Macdonald. 1,962,315; June 12.
- Machine for trimming the covers of heels. L. J. Bazzoni. 1,943,413; Jan. 16.
- Machine for trimming tubular metal articles. M. A. McCreary. 1,967,153; July 17.
- Machine for trimming window shades. A. K. Gast. 1,964,984; July 3.
- Machine for truing brake drums. G. D. Sundstrand. 1,947,234; Feb. 13.
- Machine for turning and grinding. G. E. Cleveland. 1,941,598; Jan. 2.
- Machine for turning the edges of flexible material. M. M. Balsam. 1,946,999; Feb. 13.
- Machine for tying parcels by means of wire. P. Wolf. 1,947,670; Feb. 20.
- Machines for uniting knit fabrics. G. Keyser. 1,967,714; July 24.
- Machine for universally milling, grinding, and drilling workpieces of all kinds. R. Kölsch. 1,983,090; Dec. 4.
- Machine for use in the bending of edges of metal sheets into bead form. W. H. and P. R. Harvey. 1,963,900; June 19.
- Machine for use in the manufacture of boots and shoes. G. Hazelton. 1,944,319; Jan. 23.
- Machine for use in the manufacture of boots and shoes. B. Jorgensen. 1,956,800; May 1.
- Machine for use in the manufacture of boots and shoes. J. C. Jorgensen. 1,978,538; Oct. 30.
- Machine for use in the manufacture of shoes. A. Bates. 1,966,479; July 17.
- Machine for use in the manufacture of shoes. C. F. Pym. 1,943,344; Jan. 16.
- Machine for use in the manufacture of stitch-down shoes. J. M. Whelton. 1,950,534; Mar. 13.
- Machine for utilizing registration cards and the like. G. Tauschek. 1,973,026; Sept. 11.
- Machine for washing and fixing photographic prints. M. E. Long. 1,974,890; Sept. 25.
- Machine for welding metallic articles. G. N. Williams. 1,978,776; Oct. 30.
- Machine for winding coils. C. H. Thordarson and O. A. Pearson. 1,948,776; Feb. 27.
- Machine for winding material of ribbon like form into rolls. J. J. Lyth. 1,979,334; Nov. 6.
- Machine for winding quick-traverse bobbins, especially for artificial silk. E. Schweizer. 1,945,659; Feb. 6.
- Machine for winding strip material on electric cables and for the like purposes. A. B. F. G. Richardson. 1,954,490; Apr. 10.
- Machine for winding yarn thread and the like. M. Langstreth. 1,966,507; July 17.
- Machine for working fine gold. U. H. Nottingham. 1,961,428; June 5.
- Machine for wrapping cigarette packets or similar articles. W. E. Molins. 1,971,868; Aug. 28.
- Machine for wrapping cokes or the like. F. Baldwin. 1,942,017; Jan. 2.
- Machine for wrapping loaves of sliced bread. W. A. Haysen. 1,977,307; Oct. 16.
- Machine for wrapping packages. W. K. Miller. 1,961,640; June 5.
- Machine for wrapping rye bread. F. R. Schmitt. 1,984,812; Dec. 18.
- Machine for wrapping up orange-like articles. P. Gangler. 1,960,903; May 29.
- Machine for wrapping up oranges or similar articles. P. Gangler. 1,974,046; Sept. 18.
- Machine for wrapping wires. A. O. Abbott, jr., and G. K. McNeill. 1,944,142; Jan. 16.
- Machine frame. C. F. Sherman. 1,954,651; Apr. 10.
- Machine gun and automatic small arms of the gas operated type. A. J. Palmer and P. R. Higson. 1,975,236; Oct. 2.
- Machine head, Extruding. O. F. Homeier. 1,947,202; Feb. 13.
- Machine operating device. G. H. Smith. 1,953,029; Mar. 27.
- Machine or apparatus for cutting plastic toffee or like material. A. G. Rose. 1,944,577; Jan. 23.
- Machine part, Device for controlling a movable. H. von Karabetz. 1,964,188; June 26.
- Machine parts, Connecting. C. C. Lee. 1,952,379; Mar. 27.
- Machine parts, Manufacturing. A. Zanzi. 1,945,302; Jan. 30.
- Machine rest. H. Alpern. 1,945,765; Feb. 6.
- Machine thread miller. A. Haxton. 1,981,550; Nov. 20.
- Machine to countersink twenty holes in a wheel hub shell for long spokes. H. Tormyn and F. F. Wiethoff. 1,961,404; June 5.
- Machine to form twenty bubbles in a wheel hub shell for long spokes. H. Tormyn and F. F. Wiethoff. 1,973,890; Sept. 18.
- Machine to make type shuttles for typewriting machines. H. L. Pitman. 1,970,706; Aug. 21.
- Machine to pierce a plurality of holes in a wheel hub shell for short spokes. H. Tormyn and F. F. Wiethoff. 1,946,991; Feb. 13.
- Machine to pierce twenty holes in a wheel hub shell for long spokes. H. Tormyn and F. F. Wiethoff. 1,946,992; Feb. 13.
- Machine tool. W. D. Archa. 1,965,210; July 3.
- Machine tool. W. D. Archa. 1,976,106; Oct. 9.
- Machine tool. A. F. Bennett. 1,962,979; June 12.
- Machine tool. G. W. Binns. 1,976,113; Oct. 9.
- Machine tool. G. W. Binns and C. Booth. 1,976,111; Oct. 9.
- Machine tool. L. C. Cole. 1,960,896; May 29.
- Machine tool. H. D. Croft. 1,981,263; Nov. 20.
- Machine tool. L. A. Dumser. 1,966,888; July 17.
- Machine tool. L. A. Dumser and C. J. Schroeder. 1,964,937; July 3.
- Machine tool. B. Graves and A. F. Bennett. 1,942,209; Jan. 2.
- Machine tool. F. S. Haas. 1,976,124; Oct. 9.
- Machine tool. H. R. Isler and S. Einstein. 1,975,947; Oct. 9.
- Machine tool. A. M. Johnson. 1,948,115; Feb. 20.
- Machine tool. B. A. Kearns. 1,975,951; Oct. 9.
- Machine tool. D. C. Mackintosh. 1,977,341; Oct. 16.
- Machine tool. A. Oberkofen. Re19,273; Aug. 14.
- Machine tool. F. A. Parsons. 1,985,688; Dec. 25.
- Machine tool. A. Trosch. 1,951,536; Mar. 20.
- Machine tool. A. Trosch. 1,961,259; June 5.
- Machine tool. F. Turrettini. 1,956,110; Apr. 24.
- Machine tool. E. D. Vancil. 1,975,912; Oct. 9.
- Machine tool. H. Vogler. 1,981,682; Nov. 20.
- Machine tool, Double chuck. H. W. Ruppel. 1,947,800; Feb. 20.
- Machine tool driving connection. D. B. Bullard. 1,984,052; Dec. 11.
- Machine tool feeding means. E. Heller. 1,972,560; Sept. 4.
- Machine tool head. J. R. Johnson. 1,971,157; Aug. 21.
- Machine tool, Hydraulically indexed. R. A. Carlson. 1,968,990; Aug. 7.
- Machine tool, Pattern controlled. B. Sassen. 1,978,390; Oct. 23.
- Machine tool transmission and control. J. B. Armitage. 1,957,310; May 1.
- Machine tool transmission and control mechanism. J. B. Armitage. 1,949,097; Feb. 27.
- Machine tool transmission and control mechanism. F. A. Parsons. 1,944,455; Jan. 23.
- Machine with oscillating rolling disks. H. Kretschmer. 1,969,651; Aug. 7.
- Machinery, Apparatus for lubricating. J. C. Handy. 1,977,877; Oct. 23.
- Machinery, Automatic. C. A. Fausel. 1,957,136; May 1.
- Machinery base, Resilient. B. E. Balduf. 1,958,778; May 15.
- Machinery belt fastener. W. Beard. 1,966,842; July 17.
- Machinery for making receptacles. W. F. Newhouse. 1,958,492; May 15.
- Machinery or apparatus for cutting stone, wood, metals, and other materials. W. H. Fitton and G. Elliott. 1,976,164; Oct. 9.
- Machines and apparatus, Mechanism for controlling the operation of. G. ter Meer. 1,985,589; Dec. 25.
- Machines, Apparatus for cleaning. W. W. Linder. 1,982,997; Dec. 4.
- Machines for cutting screw threads, Apparatus for compensating for play in. H. Godziewski. 1,983,286; Dec. 4.
- Machines for film backing papers, Method and apparatus for automatically actuating. H. G. Dewey and A. L. Schoen. 1,954,349; Apr. 10.
- Machines for the manufacture of roofing tiles, bricks, paving slabs, paving tiles, and the like. W. G. Powel. 1,984,985; Dec. 18.

- M-acylaminothiophosphorochlorides of the benzene series, Preparing. W. Neelmeier and W. Lamberz. 1,955,887; Apr. 24.
- Magazine adjusting device for typographical composing machines. C. A. Albrecht. 1,941,729; Jan. 2.
- Magazine and carrier for the same, Film. G. G. Moreno. 1,954,255; Apr. 10.
- Magazine carrier chain. W. P. Shomaker. 1,961,645; June 5.
- Magazine-changing device for typographical composing and distributing machines. C. A. Albrecht. 1,983,524; Dec. 11.
- Magazine feed for multiple spindle machines. H. W. Ruppel. 1,963,032; June 12.
- Magazine feed for single spindle machines. H. W. Ruppel. 1,956,999; May 1.
- Magazine, Film. E. S. Hine. 1,977,569; Oct. 16.
- Magazine, Film. G. G. Moreno. 1,957,974; May 8.
- Magazine for amateur motion picture cameras, Film. A. Kindelmann, E. L. Jones, J. Pearlman, and W. Ostrander. 1,953,985; Apr. 10.
- Magazine for cameras, Film. E. S. Porter. 1,953,986; Apr. 10.
- Magazine for feeding material. W. D. Foster. 1,975,782; Oct. 9.
- Magazine for motion picture cameras. F. H. Owens. 1,959,496; May 22.
- Magazine for motion picture film. A. W. Tondreau. 1,946,600; Feb. 13.
- Magazine for shuttle changing looms. L. S. Vose. 1,982,772; Dec. 4.
- Magazine gramophone, Automatic. R. P. Link. 1,953,020; Mar. 27.
- Magazine holder, Collapsible. D. Busby. 1,974,012; Sept. 18.
- Magazine, Light-tight film. H. A. Sauer. 1,954,328; Apr. 10.
- Magazine, Motion picture film. O. Wittel. 1,942,890; Jan. 9.
- Magazine, Motion picture film. O. Wittel. 1,942,891; Jan. 9.
- Magazine, Motion picture film. O. Wittel. 1,946,605; Feb. 13.
- Magazine, Music roll. T. F. Cheek. 1,984,462; Dec. 18.
- Magazine reel. H. A. W. Wood. 1,967,648; July 24.
- Magnascope, Comparison. L. S. May. 1,974,654; Sept. 25.
- Magnesia deficient in lime and calcium nitrate from dolomite. Producing. O. Kippe. 1,975,954; Oct. 9.
- Magnesia product and making same, Refractory synthetic. W. J. McCaughey and H. C. Lee. 1,965,605; July 10.
- Magnesium alloy. H. S. Cooper. 1,979,452; Nov. 6.
- Magnesium alloy, Rolling. R. D. Lowry and F. L. Reynolds. 1,941,608; Jan. 2.
- Magnesium alloys, Making. J. A. Gann and M. E. Brooks. 1,960,700; May 29.
- Magnesium and alloys thereof, Casting. E. O. Barstow. 1,959,297; May 15.
- Magnesium and high grade magnesium alloys from the action of corroding agents, Protecting. J. M. Michel. 1,980,282; Nov. 13.
- Magnesium and its alloys against corrosion, Protecting. G. D. Bengough and L. Whitby. 1,961,030; May 29.
- Magnesium base alloy. J. A. Gann. 1,983,975; Dec. 11.
- Magnesium base alloy. R. E. Paine. 1,985,420-1; Dec. 25.
- Magnesium base alloys. M. E. Brooks. 1,957,934; May 8.
- Magnesium base dye casting alloys. L. B. and O. E. Grant. 1,946,069; Feb. 6.
- Magnesium by electrolysis. Process and apparatus for the production of. V. Obiedoff. 1,951,836; Mar. 20.
- Magnesium, Casting. H. A. Reimers. 1,960,711-13; May 29.
- Magnesium chloride from calcium chloride, Separation of. T. A. Borradaile. 1,968,737; July 31.
- Magnesium chloride, Manufacture of. R. B. MacMullin. 1,951,160; Mar. 13.
- Magnesium hydroxide, Recovery of. H. W. Greider. 1,971,909; Aug. 28.
- Magnesium, Inhibiting the nitridation of. E. O. Barstow. 1,956,971; May 1.
- Magnesium, Producing. P. Camescasse. 1,967,550; July 24.
- Magnesium, Production of metallic. F. Hansgird. 1,943,601; Jan. 16.
- Magnesium, Production of metallic. A. C. Jessup. 1,943,916; Jan. 16.
- Magnesium, Production of metallic. M. N. Lacell. 1,943,920; Jan. 16.
- Magnesium sulphate, Preparation of. O. V. Martin. 1,977,560; Oct. 16.
- Magnesium xylonate and the preparation of magnesium salts of aldonic acids, Crystalline. H. S. Isbell. 1,964,734; July 3.
- Magnet and making it, Permanent. W. E. Ruder. 1,947,274; Feb. 13.
- Magnet and making it, Permanent. W. E. Ruder. 1,968,569; July 31.
- Magnet and manufacturing same, Permanent. Y. Kato and T. Takei. 1,976,230; Oct. 9.
- Magnet core. P. N. Roseby. 1,954,102; Apr. 10.
- Magnet core. P. N. Roseby. 1,981,468; Nov. 20.
- Magnet, Road. R. B. Close. 1,961,336; June 5.
- Magnet thermostat. P. F. Shivers. 1,966,106; July 10.
- Magnetic balance for the measurement of intensities. E. Roux. 1,976,636; Oct. 9.
- Magnetic bodies, Making. C. C. Neighbors. 1,948,308; Feb. 20.
- Magnetic body and making same. K. Maier. 1,974,079; Sept. 18.
- Magnetic brake. C. H. Taylor. 1,954,603; Apr. 10.
- Magnetic conveyor. F. W. Jessop. 1,956,291; Apr. 24.
- Magnetic core material. W. J. Polydoroff. 1,982,689; Dec. 4.
- Magnetic cores, Assembling laminated. J. C. Granfield. 1,952,917; Mar. 27.
- Magnetic clutch. W. C. Furnas. Re19,150; May 1.
- Magnetic clutch. P. Wilsing. 1,963,638; June 19.
- Magnetic detector. J. K. Leibing. 1,971,189; Aug. 21.
- Magnetic duo-servo brake. V. G. Apple. 1,983,332; Dec. 4.
- Magnetic handling. H. H. Raymond. 1,952,777; Mar. 27.
- Magnetic interrupter. W. P. Lear and M. E. Nulsen. 1,943,240; Jan. 9.
- Magnetic interrupter. W. P. Lear and M. E. Nulsen. 1,944,940; Jan. 30.
- Magnetic interrupter. A. T. Mace. 1,961,058; May 29.
- Magnetic material. C. N. Hickman. 1,982,810; Dec. 4.
- Magnetic material and making the same. H. L. Cobb. 1,946,964; Feb. 13.
- Magnetic material and making the same. E. M. Davidson. 1,962,733; June 12.
- Magnetic materials and heat treatment thereof. R. A. Chegwidan and E. S. Greiner. 1,959,999; May 22.
- Magnetic motor. J. W. Poysa. 1,963,213; June 19.
- Magnetic movement. C. Messick. 1,955,248; Apr. 17.
- Magnetic muffle or other body and varying the magnetic transformation thereof. V. Sorrel. 1,975,438; Oct. 2.
- Magnetic plug. A. E. Bock. 1,944,208; Jan. 23.
- Magnetic properties of iron and iron alloys, Improving the. O. Dahl and F. Pawlek. 1,975,525; Sept. 11.
- Magnetic separation of emulsions. C. H. M. Roberts. 1,978,509; Oct. 30.
- Magnetic separation of mixed products. Method and apparatus for the. R. C. Forrer. 1,956,760; May 1.
- Magnetic separator. W. Orvis. 1,962,358; June 12.
- Magnetic separator. C. Q. Payne. 1,958,521; May 15.
- Magnetic separator. A. H. Pehrson, O. Fredriksborg, and O. E. Tyden. 1,967,723; July 24.
- Magnetic separator. E. O. E. Tyden. 1,965,441; July 3.
- Magnetic steering indicator. R. F. Beers. 1,977,615; Oct. 23.
- Magnetic strips or tapes, Production of. H. Sprung. 1,980,011; Nov. 6.
- Magnetic switch. E. G. Johansson. 1,951,362; Mar. 20.
- Magnetic switch. O. J. Leins. 1,958,482; May 15.
- Magnetic switch. J. B. Taylor and W. F. Weathers. 1,959,115; May 15.
- Magnetic testing. A. V. de Forest. 1,960,898; May 29.
- Magnetic testing device. B. M. Smith. 1,952,185; Mar. 27.
- Magnetic testing material and preparing the same. A. V. de Forest. 1,960,899; May 29.
- Magnetic tests and measurements, Apparatus for making. P. C. Hermann. 1,957,211; May 1.
- Magnetic tripping device, Electric. J. Kagan. 1,983,857; Dec. 11.
- Magnetically operated valve. J. L. Musgrave. 1,968,957; Aug. 7.
- Magnetizable objects, Apparatus for testing. W. L. Hehn. 1,954,996; Apr. 17.
- Magneto. J. Bobli. 1,943,157; Jan. 9.
- Magneto. T. G. Louis. 1,970,327; Aug. 14.
- Magneto. J. F. Martin. 1,954,087; Apr. 10.
- Magneto. C. F. Reis. 1,942,123; Jan. 2.
- Magneto. C. F. Reis. 1,948,828; Feb. 27.
- Magneto. C. F. Reis. 1,978,692; Oct. 30.
- Magneto. P. F. Scofield. 1,950,754; Mar. 13.
- Magneto. W. Walther. 1,962,728; June 12.
- Magneto armature. C. F. Splitdorf. 1,976,899; Oct. 16.
- Magneto construction. W. C. Heath. 1,948,853; Feb. 27.
- Magneto construction. E. W. Petersen. 1,954,828; Apr. 17.
- Magneto electric machine. W. C. Heath. 1,948,854; Feb. 27.
- Magneto-electric machine. J. K. Leibing. 1,947,269; Feb. 13.
- Magneto field member. R. M. Heintz. 1,958,043; May 8.
- Magneto field member. P. F. Scofield. 1,975,175; Oct. 2.
- Magneto field members, Magnetizing. P. F. Scofield. 1,950,753; Mar. 13.
- Magneto, Flywheel. A. Lesage. 1,975,644; Oct. 2.
- Magneto, High tension ignition. J. Bernard. 1,961,275; June 5.
- Magneto ignition apparatus. W. Walther. 1,981,638; Nov. 20.
- Magneto ignition apparatus. W. Walther and H. Bischoff. 1,943,249; Jan. 9.
- Magnetometer. O. H. Truman. 1,943,850; Jan. 16.
- Magnetoresistive system and apparatus. C. Fichandler. 1,948,209; Feb. 20.
- Magneto rotor. C. F. Reis. 1,953,131; Apr. 3.
- Magnetostriuctive light valve. W. J. Herdman. 1,951,018; Mar. 13.
- Magnifier. H. Behr. 1,964,243; June 26.
- Magnifying attachment for looping machines. J. Haines, jr. 1,949,416; Mar. 6.
- Magnifying attachment for looping machines. J. Haines, jr. 1,970,910; Aug. 21.
- Mail box. W. Johnson. 1,951,053; Mar. 13.
- Mail box. C. Mooney. Re19,340; Oct. 9.
- Mail box. G. B. Nelson. 1,982,923; Dec. 4.
- Mail box. G. C. Ott. 1,949,578; Mar. 6.
- Mail box. C. G. Overmyer. 1,959,963; May 22.

- Mail box. R. L. Smith. 1,973,020; Sept. 11.
 Mail box and indicator. J. A. Cassel. 1,976,117; Oct. 9.
 Mail box and reflected sign. Combined. H. W. Bennett and F. Townsley. 1,979,727; Nov. 6.
 Mail box and support therefor. Combination rural. R. J. Miller. Des. 91,836; Mar. 27.
 Mail box holder. Safety. E. Phillips. 1,958,677; May 15.
 Mail box pedestal. W. H. Mahoney. Des. 92,913; July 31.
 Mail box support. J. R. Turrill. 1,955,373; Apr. 17.
 Mail dispenser. G. L. Scoville. 1,979,774; Nov. 6.
 Mail handling and delivering system. P. J. Madigan. 1,953,967; Apr. 10.
 Mail transfer system and apparatus. Ship to ship, ship to shore, and shore to ship, air. L. S. Adams. 1,973,244; Sept. 11.
 Mailing machine. A. Gay. 1,949,158; Feb. 27.
 Mailing novelty. S. L. Unger. 1,944,853; Jan. 23.
 Mailing sheet. A. Watson. 1,945,927; Feb. 6.
 Maintaining moving bands in synchronism. L. A. Jones. 1,969,465; Aug. 7.
 Make-up box. M. Factor. 1,944,502; Jan. 23.
 Make-up machine. G. D. Marcy. 1,969,669; Aug. 7.
 Maleic anhydride from crude maleic acid. Manufacture of. M. N. Dvornikoff. 1,966,853; July 17.
 Malt and malt product. Stable. K. F. Schreier. 1,950,418; Mar. 13.
 Malting apparatus. O. Sleeman. 1,961,990; June 5.
 Mandrel. A. O. Abbott, jr. 1,948,608; Feb. 27.
 Mandrel. E. Snyder. 1,944,582; Jan. 23.
 Mandrel. S. F. Wilson. 1,974,553; Sept. 25.
 Mandrel. Coil winding. J. G. Myers. 1,942,113; Jan. 2.
 Mandrel construction for bias cutting machines. F. A. Turner. 1,959,252; May 15.
 Mandrel. Expandable. F. Graffenberger. 1,973,980; Sept. 18.
 Mandrel feeding apparatus. A. P. Diescher. 1,964,507; June 26.
 Mandrel. Hinged. A. O. Abbott, jr. 1,948,607; Feb. 27.
 Manganese from ore. Extracting. A. T. Sweet and J. D. McCarthy. 1,962,160; June 12.
 Manganese from ore. Recovering. F. D. De Vaney and J. B. Clemmer. 1,951,326; Mar. 13.
 Manganese-molybdenum-vanadium steel and articles made therefrom. S. D. Williams. 1,979,594; Nov. 6.
 Manganese ores. Concentrating. A. J. Weinig and R. E. Cuthbertson. 1,955,039; Apr. 17.
 Manganese solutions. Colloidal. J. Torigian. 1,962,371; June 12.
 Manganese values. Recovering. W. Bradley. 1,851,341; Mar. 20.
 Manganese values. Winning. W. Bradley. 1,947,457; Feb. 20.
 Mangle. W. M. Emery. 1,973,052; Sept. 11.
 Mangling roller. P. Scheibe. 1,944,373; Jan. 23.
 Manhole closure. W. H. Caball. 1,956,665; May 1.
 Manhole construction. J. A. Jensen. 1,956,423; Apr. 24.
 Manhole construction. N. C. Mayer. 1,959,171; May 15.
 Manhole cover and anchoring means therefor. C. B. Shanley. 1,962,881; June 12.
 Manhole rim. Portable waterproof. T. W. Erickson. 1,957,162; May 1.
 Manicure device. R. M. Langdon. 1,955,506; Apr. 17.
 Manicure implement and tweezers. Combination. R. W. Cook. Des. 92,163; May 8.
 Manicure set. G. Mirmann. 1,960,119; May 22.
 Manicuring and fingernail cutter combination. Safety. M. F. Hanson. 1,976,067; Oct. 9.
 Manicuring instrument. M. A. M. Molyneux-Seel and J. B. Bertuccioli. 1,970,198; Aug. 14.
 Manicuring instrument. P. Picard. 1,949,327; Feb. 27.
 Manifold. F. O. and T. M. Ball. 1,944,206; Jan. 23.
 Manifold. E. M. Beebe. 1,945,724; Feb. 6.
 Manifold. H. S. Lamb. 1,964,164; June 26.
 Manifold. M. A. Powers. 1,952,682; Mar. 27.
 Manifold air intake. J. N. Hull. 1,978,262; Oct. 23.
 Manifold. Charge forming and distributing. A. Moore. 1,953,888; Apr. 3.
 Manifold. Charge forming and distributing. A. Moore. 1,981,876; Nov. 27.
 Manifold connection for automobile heaters. E. L. Sutter. 1,973,514; Sept. 11.
 Manifold construction. Dual. G. A. Barker. 1,982,625; Dec. 4.
 Manifold for internal combustion engines. Inlet. M. R. Wolfard. 1,956,606; May 1.
 Manifold for liquid fuel. Inlet. S. A. Hasbrouck. 1,966,032; July 10.
 Manifold. Multiple port charge forming and distributing. A. Moore. 1,982,596; Nov. 27.
 Manifold pack holder. J. Q. Sherman. 1,947,663; Feb. 20.
 Manifold. Sectional. H. H. Dodge. 1,941,466; Jan. 2.
 Manifold structure. J. B. Fisher and J. F. Coverstone. 1,960,775; May 29.
 Manifold vacuum. Device for relieving. A. Ericsson. 1,970,002; Aug. 14.
 Manifolding. L. C. Antrim. 1,957,928; May 8.
 Manifolding. W. G. Borchers. 1,944,118; Jan. 16.
 Manifolding. C. W. Brenna. 1,957,405; May 1.
 Manifolding. A. A. Johnson. 1,955,071; Apr. 17.
 Manifolding. A. A. Johnson. 1,980,339; Nov. 13.
 Manifolding apparatus. H. T. Mosfelt and H. Schagerholm. 1,942,722; Jan. 9.
 Manifolding assembly. R. H. Ritzhaupt. 1,949,625; Mar. 6.
 Manifolding assembly. E. R. Wilcox. 1,954,339; Apr. 10.
 Manifolding attachment for typewriters. H. T. Mosfelt and H. Schagerholm. 1,961,906; June 5.
 Manifolding attachment for typewriters. Attachable and detachable. H. T. Mosfelt and H. Schaferholm. 1,958,764; May 15.
 Manifolding device. G. O. Degener. 1,942,747; Jan. 9.
 Manifolding device. J. S. Fleming. 1,941,888; Jan. 2.
 Manifolding device for typewriters. F. E. and W. C. Pfeiffer. 1,983,097; Dec. 4.
 Manifolding machine. F. G. Diesbach. 1,982,606; Nov. 27.
 Manifolding machine. A. A. Johnson. 1,948,352; Feb. 20.
 Manifolding machine. F. E. and W. C. Pfeiffer. 1,951,838; Mar. 20.
 Manifolding material. Producing. J. Q. Sherman. 1,985,062; Dec. 18.
 Manifolding record. W. D. Caton. 1,980,319; Nov. 13.
 Manifolding set. Pliable. L. S. Lankton. 1,953,336; Apr. 17.
 Manifolding sheet. W. C. Gookin and E. P. Young. 1,950,982; Mar. 13.
 Manipulating device. A. H. Theis. 1,947,282; Feb. 13.
 Mantle steaming machine. L. F. Remington. 1,978,722; Oct. 30.
 Manual control mechanism. W. W. Williams. 1,976,317; Oct. 9.
 Manually operated and electrically latched lock. R. M. Walker. 1,965,482; July 3.
 Manually operated lock. J. Holtzman. 1,964,058; June 26.
 Manufacture of concrete and apparatus for use therewith. A. C. Knipe. 1,963,691; July 31.
 Manure distributor. J. Macalister. 1,963,500; June 19.
 Manure distributor. A. G. Satsky and P. Lastovica. 1,944,847; Jan. 23.
 Manure loader and spreader. F. N. G. Kranick. 1,979,945; Nov. 6.
 Manure. Method and device for treating stable. E. and N. Von Récey. 1,950,280; Mar. 6.
 Manure spreader. L. B. Neighbour. 1,946,807; Feb. 13.
 Manure spreader. S. S. Swanson and L. B. Neighbour. 1,945,125; Jan. 30.
 Manure spreader. S. S. Swanson and L. B. Neighbour. 1,963,478; June 19.
 Manway for pressure vessels. Welded. S. Straty. 1,978,607; Oct. 30.
 Manway for pressure vessels. Welded. S. Straty. 1,978,609; Oct. 30.
 Map. P. J. Harder. 1,969,607; Aug. 7.
 Map and route indicator. Display combination road. W. S. Wilkinson. 1,966,605; July 17.
 Mapboard. Movable, constant orientation. L. H. Reineke. 1,978,476; Oct. 30.
 Map display and cabinet. A. M. Wiswell. 1,945,961; Feb. 6.
 Map drawing apparatus. Pantographic. O. Coradi. 1,943,205; Jan. 9.
 Map. Indicator. C. J. Amos. 1,941,777; Jan. 2.
 Map mileage indicator. Automobile. B. E. Woodcock. 1,942,130; Jan. 2.
 Maps. Apparatus for locating places on. H. Geyer. 1,965,337; July 3.
 Maps from photographs. Apparatus for plotting. W. Bauersfeld. 1,980,657; Nov. 13.
 Maps. Manipulation and support of aircraft. C. W. Howard. 1,965,593; July 10.
 Marble. Formation of artificial. A. E. Larson. 1,965,900; July 10.
 Marble game. W. W. Harris. 1,961,147; June 5.
 Marble package. M. Rosenthal. 1,933,499; Dec. 4.
 Margarin and composition used therein. J. W. Conway and A. May. 1,965,490; July 3.
 Margarine and making the same. A. K. Epstein, M. C. Reynolds, and B. R. Harris. 1,958,697; May 15.
 Margarine. Making. B. R. Harris. 1,985,496; Dec. 25.
 Margarine. Manufacturing. K. Gropengiesser. 1,958,820; May 15.
 Margarine process. M. C. Reynolds and A. K. Epstein. 1,958,975; May 15.
 Margarine with improved flavor and process. A. K. Epstein and B. R. Harris. 1,945,347; Jan. 30.
 Margin stop. F. H. Trego. 1,949,436; Mar. 6.
 Margin stops for typewriting machines. Making. B. J. Dowd. 1,958,298; May 8.
 Margins of sheet blanks. Apparatus for staining the. E. J. Molyneux. 1,943,450; Jan. 16.
 Margins of sheet blanks. Apparatus for staining the. M. Paridon. 1,943,454; Jan. 16.
 Marine lamp. H. J. Sauer. 1,950,696; Mar. 13.
 Marine motor. H. L. Johnson. 1,980,685; Nov. 13.
 Marine power plant. J. Ostertag. 1,953,087; Apr. 3.
 Marine reverse gear. C. H. Barton and C. Drexler. 1,983,835; Dec. 11.
 Marine type series boiler. D. S. Jacobus. 1,961,222; June 5.
 Marked material and its manufacture. R. N. Wallach. 1,963,625; July 31.
 Marker. E. Lorenz. 1,958,831; May 15.
 Marker and flower holder. Combined grave. A. B. Jipson. 1,958,790; May 15.
 Marker and flower vase. Combination grave. J. M. Powell. 1,963,804; June 19.
 Marker attachment. Laundry. A. F. Hanney. 1,951,480; Mar. 20.
 Marker. Aviation. E. C. Vrooman. 1,976,378; Oct. 9

- Marker, Book. H. A. Thomson. 1,976,465; Oct. 9.
 Marker, Dry line. E. F. Woods. 1,965,483; July 3.
 Marker, Edge road. D. E. Ross. 1,984,085; Dec. 11.
 Marker for fur skins. M. Canter. 1,963,648; June 19.
 Marker for grave sites. W. F. Norman. 1,983,807; Dec. 11.
 Marker for shoe uppers. C. F. Eaton. 1,969,971; Aug. 14.
 Marker for shoe uppers. C. E. Edwards. 1,969,972-3; Aug. 14.
 Marker, Garden. F. C. Martini. 1,979,979; Nov. 6.
 Marker, Garment hem. J. M. Barrett. 1,979,789; Nov. 6.
 Marker, Grave. E. A. Coleman. 1,966,922; July 17.
 Marker, Grave. G. M. Frost. 1,950,298; Mar. 6.
 Marker, Grave. H. F. Potter. 1,946,033; Feb. 6.
 Marker, Grave. M. K. Scott. Des. 92,497; June 12.
 Marker, Grave. C. T. Spear. Des. 91,850; Mar. 27.
 Marker, Grave. F. R. Taylor. Des. 93,801; Nov. 6.
 Marker, Highway. F. H. Stephens. 1,966,318; July 10.
 Marker, Identifying. N. Margoshes. 1,974,682; Sept. 25.
 Marker, Line. W. W. Tiede. 1,966,192; July 10.
 Marker, Road. W. H. Searight. 1,983,102; Dec. 4.
 Marker, Street. B. A. Stern and J. J. Koffler. 1,952,471; Mar. 27.
 Marker, Surface. L. E. Clough. 1,948,335; Feb. 20.
 Marker tag. F. J. Hoyer. 1,950,244; Mar. 6.
 Marker, Tennis court. W. L. Nottingham. 1,985,191; Dec. 18.
 Marker, Traffic. R. H. Osbrink. 1,966,678; July 17.
 Marker, Traffic. G. C. Webster. 1,966,227; July 10.
 Marker, Traffic lane. D. E. Ross. 1,952,942; Mar. 27.
 Marker, Vase. J. D. Reep. 1,973,102; Sept. 11.
 Markers in pavements, Apparatus for inserting. J. Farasey. 1,950,169; Mar. 6.
 Markers, Making memorial. I. W. Cox. 1,951,132; Mar. 13.
 Marking, and cutting device for machines for producing and treating strip-shaped bodies, Automatically acting. F. Gühlhoff. 1,947,591; Feb. 20.
 Marking composition. W. S. Lawrence. 1,954,450; Apr. 10.
 Marking device. K. Engel. 1,968,133; July 31.
 Marking device. H. W. Moore. 1,944,259; Jan. 23.
 Marking device for airplane landing fields, Electrical. R. Gunn. 1,947,469; Feb. 20.
 Marking device for sound films. F. H. Owens. 1,950,091; Mar. 6.
 Marking implement. W. E. Krueger and H. M. Hodge. 1,957,545; May 8.
 Marking machine. A. H. Avery. 1,972,860; Sept. 11.
 Marking machine. J. F. Barghausen. 1,965,276; July 3.
 Marking machine. H. W. Hall. 1,961,485; June 5.
 Marking machine. R. M. Johnson. 1,969,221; Aug. 7.
 Marking machine. A. A. Lawson. 1,948,525; Feb. 27.
 Marking machine. W. E. Naugler. 1,968,900; Aug. 7.
 Marking machine. F. A. Putnam and C. H. Cheeseman. 1,956,300; Apr. 24.
 Marking machine. F. A. Putnam and C. H. Cheeseman. 1,978,225; Oct. 23.
 Marking machine. C. F. Robbins. 1,974,753; Sept. 25.
 Marking machine. S. R. Swenson. 1,974,521; Sept. 25.
 Marking machine. C. L. Sweyer. 1,962,672; June 12.
 Marking mechanism for grading machines. J. W. Johnston. 1,946,583; Feb. 13.
 Marking, printing, and embossing machine. E. Roberts, Jr. 1,979,640; Nov. 6.
 Marquise structure. W. O. Prouty. 1,948,768; Feb. 27.
 Mascara case. I. S. Beck. 1,946,727; Feb. 13.
 Mask. R. Malcom. 1,960,544; May 29.
 Mask, Face steaming. H. Riesenbergs. 1,943,992; Jan. 16.
 Mask for fowls. J. Jones. 1,962,395; June 12.
 Mask for stripping wheels. F. A. Neuman. 1,976,360; Oct. 9.
 Mask for the absorption of poisonous gases. M. F. Seijo. 1,948,945; Feb. 27.
 Mask for typewriting machines. J. J. Kittel. Des. 93,168; Aug. 28.
 Mask, Life saving. M. F. Seijo. 1,945,919; Feb. 6.
 Mask, Proportional. R. C. Cook. 1,976,278; Oct. 9.
 Mask, Welder's. F. M. Bowers. 1,944,399; Jan. 23.
 Masonry, Acidproof. K. Daimler and P. Kurzenberger. 1,962,483; June 12.
 Masonry, Coating. K. Müller and E. Hutzenlaub. 1,943,085; Jan. 9.
 Masonry construction. M. B. Robinson. 1,960,979; May 29.
 Masonry structures, Repairing. L. S. Wertz. 1,953,452; Apr. 3.
 Mass production of paper fibers from banana stalks. C. O. Tappan. 1,981,883; Nov. 27.
 Masses from phenol-formaldehyde condensation products, Easily workable. F. Frick. 1,952,243; Mar. 27.
 Masses, Production of artificial. H. Mark and H. Fikentscher. 1,984,417; Dec. 18.
 Masses, Production of artificial. W. Pungs, K. Eisenmann, E. Scholz, and T. Kollmann. 1,963,762; June 19.
 Massage apparatus. L. O. Bergmann. 1,973,198; Sept. 11.
 Massage apparatus. R. E. De Walt. 1,941,665; Jan. 2.
 Massage applicator. D. M. Johnson. 1,980,803; Nov. 13.
 Massage device. W. S. Glennan. 1,947,042; Feb. 13.
 Massage device. H. Hertzberg. 1,970,233; Aug. 14.
 Massage tool. C. E. Saunders. 1,953,438; Apr. 3.
 Massager. J. B. Janson and C. J. Coen. 1,950,248; Mar. 6.
 Massager and scalp conditioner. W. P. Merrill. 1,974,031; Sept. 18.
 Massager, Electric. M. Andis. Des. 92,995; Aug. 14.
 Massaging and washing device for use in bath-tubs. C. S. Mikel. 1,954,940; Apr. 17.
 Massaging device. J. Grison. Re19,043; Jan. 9.
 Massaging device. C. W. Senn. 1,969,042; Aug. 7.
 Massaging implement. A. M. Lockett. 1,949,316; Feb. 27.
 Massaging purposes, Apparatus for. T. Auberger. 1,965,918; July 10.
 Massequite treating apparatus. S. S. Peck. 1,971,873; Aug. 28.
 Mast, Aerial. E. C. Vrooman. 1,981,339; Nov. 20.
 Mast, Mooring. C. E. Rosendahl. 1,981,005; Nov. 20.
 Master switch. J. A. Proctor. 1,950,515; Mar. 13.
 Mat. J. D. Betwick. 1,948,327; Feb. 20.
 Mat. A. K. Hodess. 1,982,515; Nov. 27.
 Mat. L. F. Schuhmacher. 1,966,465; July 17.
 Mat construction. C. G. Gauntlett. 1,970,959; Aug. 21.
 Mat, Door. L. Rostoker. 1,952,222; Mar. 27.
 Mat for drawers, Protective. K. Simmons. 1,979,578; Nov. 6.
 Mat, Golf tee. C. W. Kohler. 1,983,671; Dec. 11.
 Mat or analogous article, Automobile floor. F. M. Netzel and E. F. Frost. Des. 91,960; Apr. 10.
 Mat or covering and making same. S. C. Clark. 1,985,484; Dec. 25.
 Mat or floor covering. J. R. Gammeter. 1,964,348; June 26.
 Mat or floor covering, Floor. C. J. Petersen. 1,948,826; Feb. 27.
 Mat, Picture. H. A. Prew. 1,959,988; May 22.
 Mat, Rubber floor. H. M. Pryale. Des. 93,735; Oct. 30.
 Mat, Seat. F. K. Holmsted. 1,982,516; Nov. 27.
 Mat, Straw. J. P. Croasdale, Jr., and J. A. Roberts. 1,978,103; Oct. 23.
 Mat, Table. B. Gershon. 1,944,686; Jan. 23.
 Match. W. H. Kobbe. 1,949,649; Mar. 6.
 Match book. M. G. Goyena. 1,950,051; Mar. 6.
 Match book. A. C. Potter. 1,968,353; July 31.
 Match books, Apparatus for manufacturing. W. J. Price and W. Anscott. 1,951,371; Mar. 20.
 Match box. I. H. Dube. 1,959,231; May 15.
 Match box. E. B. Hamilton. 1,944,977; Jan. 30.
 Match box and striking device. F. H. Greve. 1,980,859; Nov. 13.
 Match box construction. J. H. Kohler. 1,954,007-8; Apr. 10.
 Match box holder. I. H. Dube. 1,943,214; Jan. 9.
 Match case. M. Vogel. 1,985,751; Dec. 25.
 Match discharge and transfer mechanism. F. Schafer. 1,962,788; June 12.
 Match holder. F. J. Hekrdle. 1,958,340; May 8.
 Match holder. H. I. Pauli. 1,976,189; Oct. 9.
 Match making machine. L. Henninger. 1,953,481; Apr. 3.
 Match package. R. S. Pullen. 1,947,111; Feb. 13.
 Match package. R. S. Pullen. 1,958,067; May 8.
 Match package. G. M. Williams and J. J. Berghoff. 1,975,528; Oct. 2.
 Match package, Novelty. H. L. Freeman. 1,984,675; Dec. 18.
 Match packages, Manufacture of. W. Lück. 1,970,047; Aug. 14.
 Match packet. R. Pullen. 1,966,932; July 17.
 Match packet. R. S. Pullen. 1,982,176; Nov. 27.
 Match packet holder. G. H. Dufour. 1,972,925; Sept. 11.
 Match, Waterproof. J. B. Arpin. 1,961,920; June 5.
 Matches, Method of and machine for the production of sheets of flat. J. Brügger. 1,963,225; June 19.
 Material and method applicable to the treating of hides, skins, and leather. J. H. Connor and M. M. Merritt. 1,954,798; Apr. 17.
 Material, Apparatus for and method of refining finely divided. A. L. Whiteside. 1,976,974; Oct. 16.
 Material, Apparatus for controlling a characteristic of a. T. A. Bryson. 1,985,313; Dec. 25.
 Material, Apparatus for cutting sheet. F. J. MacDonald. 1,978,051; Oct. 23.
 Material, Apparatus for feeding. C. U. Bundick and B. A. Proctor. 1,944,022; Jan. 16.
 Material, Apparatus for feeding. F. D. Sweet. 1,944,039; Jan. 16.
 Material, Apparatus for gauging. C. E. Bedell. 1,963,397; June 19.
 Material, Apparatus for handling. E. J. McIlvried. 1,948,305; Feb. 20.
 Material, Apparatus for handling. H. B. Walker and E. A. Thumliert. 1,955,038; Apr. 17.
 Material, Apparatus for handling rolled. B. R. Shover. 1,981,079; Nov. 20.
 Material, Apparatus for hoisting and distributing loose. J. P. Faber. 1,980,673; Nov. 13.
 Material, Apparatus for processing. C. W. Vogt. 1,956,141; Apr. 24.
 Material, Apparatus for sintering and fusing finely divided. A. B. Haswell and F. G. Cutler. 1,964,915; July 3.
 Material, Apparatus for spraying. R. M. Stephenson. 1,979,649; Nov. 6.
 Material classifier and distributor. H. G. Lykken. 1,962,450; June 12.
 Material composed of, or containing rubber, or the like, Apparatus for dividing. H. Willshaw, H. Smith, and F. A. Davenport. 1,962,630; June 12.
 Material conditioning. G. D. Harris. 1,961,686; June 5.
 Material containing cellulose, Treatment of. N. C. Ward. 1,958,376; May 8.

- Material containing organic esters of cellulose, Treatment of. C. Dreyfus and W. Whitehead. 1,976,218; Oct. 9.
- Material, Device for pressing sheet. G. Hazelton. 1,957,590; May 8.
- Material discharge gun. W. P. Carr and R. W. Tracy. 1,969,205; Aug. 7.
- Material feeding mechanism. E. W. Mikaelson. 1,967,558; July 24.
- Material feeding mechanism. J. F. Murphy. 1,975,015; Sept. 25.
- Material for arc welding. T. E. Jerabek. 1,956,327; Apr. 24.
- Material for coating metal. J. H. Gravel. 1,980,518; Nov. 13.
- Material for decorating surfaces. A. H. Ernst. 1,954,353; Apr. 10.
- Material for high emission cathodes. B. Loewe. 1,954,596; Apr. 10.
- Material for making decorative devices such as artificial flowers, etc., and making such material. M. Kaplan. 1,942,174; Jan. 2.
- Material for preparing metal surfaces for painting and the like. J. H. Gravel. 1,949,713; Mar. 6.
- Material for scouring devices. E. S. Bradford, jr. 1,941,928; Jan. 2.
- Material for the treatment of hides and skins, Producing. E. Lenk and F. Lippner. 1,946,218; Feb. 6.
- Material for use in caulking, packing, lagging or covering, and for other purposes, Making a. E. V. Hayes-Gratze. 1,982,381; Nov. 27.
- Material from gases, Apparatus for separating suspended. G. H. Horne and M. A. Lissman. 1,973,764; Sept. 18.
- Material from vegetable matter of high pentosan containing pento-cellulose materials, Process relating to the production of a. O. R. Sweeney and C. E. Hartford. 1,941,817; Jan. 2.
- Material guiding apparatus for rolling mills. E. W. Larsen. 1,981,146; Nov. 20.
- Material, Handling. J. L. Koller. 1,949,481; Mar. 6.
- Material handling apparatus. E. F. Campbell. Re19,108; Mar. 13.
- Material handling apparatus. G. L. Fisk. 1,964,147; June 26.
- Material handling apparatus. F. C. Menk. 1,953,862; Apr. 3.
- Material handling apparatus. H. F. Vickers. 1,965,868; July 10.
- Material handling apparatus. D. V. Waters. 1,981,133; Nov. 20.
- Material handling device. L. D. Craine. 1,968,071; July 31.
- Material handling mechanism. J. G. Shodron. 1,981,435; Nov. 20.
- Material handling system. R. E. Callier. 1,980,782; Nov. 13.
- Material, Heat insulating. G. M. Thomson. 1,980,889; Nov. 13.
- Material, Joining flexible sheet. H. M. Ware. 1,958,455; May 15.
- Material kicking machine. C. Clark. 1,979,530; Nov. 6.
- Material measuring and feeding apparatus, Dry. H. H. Wiltfong. 1,973,191; Sept. 11.
- Material, Method and apparatus for forming. J. L. Adams, jr. 1,980,308; Nov. 13.
- Material, Method and apparatus for perforating sheet. G. F. Wales. 1,955,866; Apr. 24.
- Material, Method and apparatus for tensioning. C. E. Bedell. 1,964,241; June 26.
- Material, Method and apparatus for treating. K. T. Potthoff. 1,959,799; May 22.
- Material, Method for the handling of. J. B. Webb and H. A. Stevenson. 1,944,771; Jan. 23.
- Material, Method of and apparatus for controlling a characteristic of a. T. A. Bryson. 1,985,312; Dec. 25.
- Material, Method of and apparatus for treating and handling. J. L. Cooney. 1,942,855; Jan. 9.
- Material mixed for cement burning, Apparatus for preliminary treatment of raw. J. S. Fasting. 1,955,277; Apr. 17.
- Material mixing apparatus. A. W. Rybeck. 1,952,464; Mar. 27.
- Material moving implement. L. O. Bird. 1,964,617; June 26.
- Material on articles, Method of and apparatus for vulcanizing. L. F. Lamplough. 1,978,586; Oct. 30.
- Material, particularly splinterless glass. K. Daimler and G. Balle. 1,984,671; Dec. 18.
- Material, Process and apparatus for hardening. C. W. Vogt. 1,953,521; Apr. 3.
- Material processing apparatus. G. L. Rock. 1,965,358; July 3.
- Material, Resistance varying. F. S. Goucher and C. J. Christensen. 1,973,703; Sept. 18.
- Material sampling system. J. D. Bradford and W. S. McAleer. 1,944,963; Jan. 30.
- Material screening apparatus. R. S. Walker. 1,961,467; June 5.
- Material, Shock resistant. V. H. Turkington. 1,958,452; May 15.
- Material spreader, Granular. N. K. Dickerson. 1,981,095; Nov. 20.
- Material, System and apparatus for handling. E. V. Francis. 1,975,204; Oct. 2.
- Material, System for delivering sheet. E. W. Stacey. 1,985,524; Dec. 25.
- Material to be treated into boilers under pressure, Apparatus for supplying the. A. Sommermeyer. 1,951,535; Mar. 20.
- Material to glass melting furnaces, Feeding raw. T. C. Moorshead. 1,953,427; Apr. 3.
- Material, Treating and drying. T. Allsop. 1,965,209; July 3.
- Material treating and handling equipment. S. L. Dryfoos. 1,959,465; May 22.
- Material treating apparatus. W. H. Taylor. 1,952,638; Mar. 27.
- Material used in gravity separation, Apparatus for recovering. F. I. du Pont. 1,949,117; Feb. 27.
- Material winding machine. C. A. Purdy. Re19,320; Sept. 18.
- Material winding machine. C. A. Purdy. 1,952,606; Mar. 27.
- Material working apparatus. J. E. Lodge. 1,951,427; Mar. 20.
- Material working apparatus. B. Norem. 1,977,690; Oct. 23.
- Materials, Activation of. G. Sperti. 1,982,028; Nov. 27.
- Materials, Apparatus for cutting. E. J. Grant. 1,053,299; Apr. 3.
- Materials, Apparatus for handling. D. S. Baker. 1,952,193; Mar. 27.
- Materials, Apparatus for handling. D. S. Baker. 1,978,099; Oct. 23.
- Materials, Apparatus for measuring bulk. W. M. Venable. 1,982,127; Nov. 27.
- Materials, Apparatus for measuring the hardness of. A. E. Shore. 1,982,026; Nov. 27.
- Materials, Apparatus for mixing. W. Kroepfle. 1,973,002; Sept. 11.
- Materials, Apparatus for molding. C. J. Moroney, S. C. Meredith, and K. A. Meserole. 1,983,942; Dec. 11.
- Materials, Apparatus for separating. W. W. Stevenson, jr. 1,955,032; Apr. 17.
- Materials, Apparatus for separation of dry. I. L. Bramwell. 1,956,459; Apr. 24.
- Materials, Apparatus for separation of dry. C. W. H. Holmes. 1,944,643; Jan. 23.
- Materials, Apparatus for treating. H. F. Fruth. 1,947,547; Feb. 20.
- Materials, Apparatus for treating. H. F. Fruth and R. L. Reading. 1,947,548; Feb. 20.
- Materials, Apparatus for treating. G. D. Harris. 1,968,764; July 31.
- Materials, Apparatus for treating. H. M. Larsen. 1,947,476; Feb. 20.
- Materials, Apparatus for treating. E. Pugh. 1,947,545; Feb. 20.
- Materials, Apparatus for treating. R. L. Reading. 1,947,546; Feb. 20.
- Materials, Apparatus for washing or treating. W. F. Traudt. 1,983,155; Dec. 4.
- Materials at relatively inaccessible points, Placing divided. L. A. Layne. 1,975,162; Oct. 2.
- Materials by means of volatile solvents, Apparatus for the degreasing of. W. E. Booth and J. Savage. 1,973,426; Sept. 11.
- Materials, Coating. A. Schmidt and M. Deseniss. 1,950,820; Mar. 13.
- Materials, Coloration of. G. H. Ellis, T. Ockman, and H. C. Olpin. 1,985,248; Dec. 25.
- Materials, Coloring sheet. H. T. Brodersen. 1,980,905; Nov. 13.
- Materials, Crushing hard. E. B. Symons. Re19,154; May 1.
- Materials, decorative articles, and protecting linings or the like by the transformation of fibrous cellulose materials, Production of. V. Bosso, N. Silvestrini, and F. Sacchi. 1,970,273; Aug. 14.
- Materials for building and other purposes, Manufacture of light. P. Dutoit. 1,977,756; Oct. 23.
- Materials for fixation, Treatment of perishable. H. W. M. McCrabbe. 1,983,556; Dec. 11.
- Materials from cellulosic solutions, Manufacture of artificial. A. Lely. 1,958,949; May 15.
- Materials, Granulation of finely divided. H. R. Arnold. 1,967,222; July 24.
- Materials having a basis of cellulose derivatives, Manufacture of. H. Dreyfus. 1,953,956; Apr. 10.
- Materials in bulk, Method of and equipment for handling and shipping. N. G. Campbell and G. W. Rink. 1,963,545; June 19.
- Materials made of or containing cellulose esters or ethers, Treatment of. G. H. Ellis. 1,963,974; June 26.
- Materials made of or containing cellulose esters, Treatment of. G. H. Ellis. 1,963,121; June 19.
- Materials made of or containing cellulose or cellulose derivatives, Treatment of. R. H. Parkinson. 1,980,428; Nov. 13.
- Materials, Magnetic separation of. B. Granigg. 1,948,419; Feb. 20.
- Materials, Marking. W. S. Lawrence, V. Tuma, and I. F. B. Hutton. 1,979,331; Nov. 6.
- Materials, Mechanism for separating intermixed divided. K. Davis. 1,959,125; May 15.
- Materials, Mechanism for separating intermixed divided. K. Davis. 1,971,678; Aug. 28.
- Materials, Mechanism for separating intermixed divided. H. N. Durham. 1,961,743; June 5.
- Materials, Method and apparatus for coating and drying. H. G. Rappolt and L. B. Case. 1,979,346; Nov. 6.

- Materials, Method and apparatus for conditioning. G. D. Harris. 1,951,281; Mar. 13.
- Materials, Method and apparatus for dispensing. E. C. Speiden. 1,962,261; June 12.
- Materials, Method and apparatus for handling. G. H. Pride. 1,973,098; Sept. 11.
- Materials, Method and apparatus for packaging. L. A. Becker. 1,953,096; Apr. 3.
- Materials, Method and apparatus for processing. C. W. Vogt. 1,965,617; July 10.
- Materials, Method and apparatus for testing. W. A. Mudge and C. G. Bieber. 1,943,619; Jan. 16.
- Materials, Method and apparatus for the intertreatment of liquid and solid. T. A. Mitchell. 1,943,330; Jan. 16.
- Materials, Method and apparatus for treating. W. De Coursey. 1,958,035; May 8.
- Materials, Method and apparatus for treating. G. D. Harris. 1,975,717; Oct. 2.
- Materials, Method and apparatus for treatment of non-gaseous. D. D. Peebles. 1,984,331; Dec. 18.
- Materials, Method and device for determining the properties of stratified or fibrillated. H. Walter. 1,984,166; Dec. 11.
- Materials, Method of and apparatus for drying. M. P. Wall. 1,961,314; June 5.
- Materials, Method of and apparatus for treating metallic. O. M. Otte. 1,978,220-1; Oct. 23.
- Materials of different specific gravities, Apparatus for separating. T. M. Chance. 1,949,242; Feb. 27.
- Materials of different specific gravities, Method and apparatus for separating. H. M. Chance. 1,966,609; July 17.
- Materials, Preparing base exchange. A. S. Behrman. 1,978,889; Oct. 30.
- Materials, Process and apparatus for melting. E. O. Rhodes. 1,975,433; Oct. 2.
- Materials, Process and apparatus for separating mixed. W. L. Remick. 1,953,724; Apr. 3.
- Materials, Process and mechanism for separating intermixed divided. R. Peale. 1,941,490; Jan. 2.
- Materials, Process and mechanism for separating intermixed divided. R. Peale and K. Davis. 1,983,487; Dec. 4.
- Materials, Production of compound. J. H. Rooney. 1,981,152; Nov. 20.
- Materials, Separating composite. F. Tschudy. 1,984,386; Dec. 18.
- Materials, Separating intermixed divided. R. Peale. 1,976,292; Oct. 9.
- Materials to surfaces, Method and apparatus for applying. L. G. and E. H. Merritt. 1,977,321; Oct. 16.
- Materials, Treating metallic. O. M. Otte. 1,978,219; Oct. 23.
- Materials, Treatment of. G. H. Ellis. 1,957,494; May 8.
- Materials, Treatment of artificial. W. A. Dickie and F. B. Hill. 1,980,191; Nov. 13.
- Materials, Uniting dissimilar. T. P. Camp. 1,953,589; Apr. 3.
- Materials, Volatilizing. I. H. Derby. 1,984,731; Dec. 18.
- Mathematics and exhibiting mathematical problems, Teaching. H. R. Hamley. 1,981,646; Nov. 20.
- Matrix. T. L. McElroy. 1,958,519; May 15.
- Matrix. H. Swan and S. Higgins. 1,960,602; May 29.
- Matrix composing and line casting machine. C. A. Albrecht. 1,969,635; Aug. 7.
- Matrix escapement for typographical machines. R. H. Turner. 1,974,395; Sept. 18.
- Matrix for printing plates, Composite. G. Rosenqvist. 1,973,782; Sept. 18.
- Matrix for slug casting machines, Composite. J. W. Quadt. 1,952,820; Mar. 27.
- Matrix former and drier. A. W. Cochran and H. W. Dewey. 1,960,697; May 29.
- Matrix magazine for typographical machines. R. E. Sylte. 1,983,501; Dec. 4.
- Matrix melting press. E. Brockel. 1,944,728; Jan. 23.
- Matrix, Positively molded. H. Swan and S. Higgins. 1,973,543; Sept. 11.
- Matrix-setting and type-line-casting machine. W. Blume. 1,945,417; Jan. 30.
- Matrix-setting and type-line-casting machine. W. Blume. 1,955,619; Apr. 17.
- Matrix-setting and type-line-casting machine. W. Blume. 1,976,158; Oct. 9.
- Matrix-setting and type-line-casting machine. J. Dorneth. 1,942,326; Jan. 2.
- Matrix-setting and type-line casting machine. J. Dorneth. 1,955,624; Apr. 17.
- Matrix-setting and type-line-casting machine. J. Dorneth. 1,963,296; June 19.
- Matrix-setting and type-line casting machine. J. Dorneth. 1,966,545; July 17.
- Matrix-setting and type-line-casting machine. J. Dorneth. 1,976,486; Oct. 9.
- Matrix-setting and type-line-casting machine. H. W. E. Uhthoff. 1,955,036; Apr. 17.
- Matter from liquids, Device for the separation of. M. Loeb. 1,952,211; Mar. 27.
- Matter in forming stencil papers, Manufacture and composition of. L. M. Fink. 1,978,836; Oct. 30.
- Matter, Scanning and reproducing. R. E. Naumburg. 1,953,307; Apr. 3.
- Mattress. W. G. Baird. 1,972,673; Sept. 4.
- Mattress. M. F. Hamza. 1,970,502; Aug. 14.
- Mattress. E. A. Nord. 1,978,956; Oct. 30.
- Mattress. M. Sherover. 1,980,445; Nov. 13.
- Mattress and cushion construction. L. J. Odets. 1,973,651; Sept. 11.
- Mattress and heating means therefor. F. Wiedemann. 1,957,401; May 1.
- Mattress and its manufacture. C. Lofman. 1,959,082; May 15.
- Mattress and making the same. H. E. Wolf. 1,964,416; June 26.
- Mattress and making the same, Tufted. J. F. Gail. 1,941,794; Jan. 2.
- Mattress and the like and manufacturing the same. W. L. Grapp. 1,942,693; Jan. 9.
- Mattress and the like, Inner spring. B. T. Haffey. 1,955,583; Apr. 17.
- Mattress clamp. A. M. Smith. 1,981,254; Nov. 20.
- Mattress, Inflatable. C. R. Coomber. Des. 93,703; Oct. 30.
- Mattress or cushion and spring unit therefor. D. T. Owen and C. Dietrich. 1,958,798; May 15.
- Mattress or cushion, Spring filled. W. B. Foster. 1,974,044; Sept. 18.
- Mattress or the like, Pneumatic cushion. J. O. Tucker and L. R. Kirst. 1,985,432; Dec. 25.
- Mattress, Pneumatic. B. C. Rubin. 1,944,466; Jan. 23.
- Mattress tufting apparatus. J. F. Gail. 1,983,169; Dec. 4.
- Mattress tufting apparatus. A. H. Olson. 1,962,209; June 12.
- Mattress tufting machine. J. W. Droll and A. H. Olson. 1,949,148; Feb. 27.
- Mattress tufting machine. E. L. McRoskey. 1,977,856-7; Oct. 23.
- Mattress tufting machine. D. Micon. 1,947,217; Feb. 13.
- Mattresses, Apparatus for covering. D. Micon. 1,947,216; Feb. 13.
- Mattresses, Taping. W. B. Mathewson. 1,960,118; May 22.
- Mausoleum and process and apparatus for making the same. G. A. Lasley. 1,957,027; May 1.
- Mausoleum, Individual. W. I. Davis. 1,962,006; June 5.
- Maximum demand meter. R. O. Hamill. 1,977,581; Oct. 16.
- McLeod gauge. H. A. Rose. 1,984,994; Dec. 18.
- Mean pressure gauge. O. Lehmann. 1,960,158; May 22.
- Measure, Liquid. R. B. Munday. 1,983,239; Dec. 4.
- Measurement and control, System of. P. A. Borden. 1,979,311; Nov. 6.
- Measuring and controlling apparatus. J. C. Baker. 1,960,615; May 29.
- Measuring and dispensing apparatus. M. Cornell. 1,952,311; Mar. 27.
- Measuring and dispensing device. J. E. Miles. 1,969,091; Aug. 7.
- Measuring and dispensing device, Automatic. M. Ferrandino. 1,945,849; Feb. 6.
- Measuring and distributing apparatus for alimentary liquids or others, and more particularly for milk. F. Fougaz. 1,957,881; May 8.
- Measuring and indicating temperature from a distance. E. Griffiths and A. Snow. 1,969,072; Aug. 7.
- Measuring and registering instrument. J. G. Paulin. 1,943,393; Jan. 16.
- Measuring and weighing device, Automatic. C. W. Hartman. 1,981,697; Nov. 20.
- Measuring apparatus. C. H. Geister. 1,963,128; June 19.
- Measuring apparatus. S. T. Lester. 1,949,280; Feb. 27.
- Measuring apparatus. D. Malpass. 1,974,187; Sept. 18.
- Measuring apparatus. M. Mennesson. 1,985,576; Dec. 25.
- Measuring apparatus. A. Noble. 1,962,324; June 12.
- Measuring apparatus. G. G. H. Rydberg. 1,968,539; July 31.
- Measuring apparatus. A. W. Schoof. 1,981,153; Nov. 20.
- Measuring apparatus. T. P. Williams and J. A. Baxter. 1,982,184; Nov. 27.
- Measuring apparatus for rolled material. R. Kronenberg. 1,984,837; Dec. 18.
- Measuring device. K. C. D. Hickman. 1,942,857; Jan. 9.
- Measuring device. H. Martin. 1,972,154; Sept. 4.
- Measuring device. S. Raemer. 1,969,385; Aug. 7.
- Measuring device. J. W. Teach. 1,969,110; Aug. 7.
- Measuring device, Automatic. H. Waterstone. 1,972,808; Sept. 4.
- Measuring device, Electric. E. R. Shepard. 1,978,440; Oct. 30.
- Measuring device for vending machines. E. A. Bolen. 1,970,686; Aug. 21.
- Measuring device for yarn winding machine and the like. W. R. Hewton. 1,969,696; Aug. 7.
- Measuring device or gauge. J. E. McConnell. 1,961,234; June 5.
- Measuring device, Pneumatic. M. Mennesson. 1,971,271; Aug. 21.
- Measuring devices, Projecting graduations and characters of. M. L. Clark. 1,942,508; Jan. 9.
- Measuring dispenser. J. W. Bell. 1,956,308; Apr. 24.
- Measuring drum for screw-micrometers. E. Scheller. 1,985,061; Dec. 18.
- Measuring instrument. L. O. Beard. 1,952,965; Mar. 27.
- Measuring instrument. L. W. Blau. 1,960,891; May 29.
- Measuring instrument. H. T. Faus. 1,952,160-1; Mar. 27.
- Measuring instrument. H. T. Faus. 1,962,929; June 12.
- Measuring instrument. T. R. Harrison. 1,982,300; Nov. 27.
- Measuring instrument. G. P. Luckey. 1,960,745; May 29.
- Measuring instrument. R. J. Marvin. 1,978,682; Oct. 30.

- Measuring instrument. J. G. Paulin. 1,983,305; Dec. 4.
 Measuring instrument. J. G. Paulin. 1,983,486; Dec. 4.
 Measuring instrument. I. W. Reynolds and A. G. Beal. 1,970,819; Aug. 21.
 Measuring instrument. R. D. Richardson. 1,958,864; May 15.
 Measuring instrument. G. W. Rosenberger. 1,973,106; Sept. 11.
 Measuring instrument. A. Wallich and H. Opitz. 1,972,578; Sept. 4.
 Measuring instrument, Electric. L. E. Ryall. 1,966,047; July 10.
 Measuring instrument, Electrical. H. T. Faus. 1,985,082; Dec. 18.
 Measuring instrument, Electrical. R. D. Hickok. 1,983,665; Dec. 11.
 Measuring instrument, Electrical. M. J. Johnson. 1,952,626; Mar. 27.
 Measuring instrument or testing device. I. M. Colbeth. 1,944,926; Jan. 30.
 Measuring mechanism, Automatic. J. M. Montgomery. 1,983,093; Dec. 4.
 Measuring pump switch. R. T. Meyer. 1,951,942; Mar. 20.
 Measuring reactance. A. W. Barber. 1,971,310; Aug. 21.
 Measuring resistance of distant grounds from a central office. G. H. Kidding and E. J. Agnew. 1,956,538; Apr. 24.
 Measuring system, Electric. C. G. Garton. 1,961,823; June 5.
 Measuring system for high frequency apparatus. L. A. Gebhard. 1,959,356; May 22.
 Measuring tape. F. Buck. 1,973,843; Sept. 18.
 Measuring the phase difference of electric currents, Process and apparatus for. J. R. G. J. Blancard and C. T. F. E. Bourgonnier. 1,963,068; July 31.
 Measuring transmission losses at various frequencies, System for. H. Nyquist. 1,963,164; July 31.
 Measuring vacuum in sealed containers, Device for. W. M. Hicks. 1,974,026; Sept. 18.
 Measuring valve. W. S. Pritchard. 1,946,546; Feb. 13.
 Measuring valve, Portable. C. R. Burrell. 1,963,646; June 19.
 Meat and bone cutting machine. F. Ponton. 1,967,724; July 24.
 Meat and the like, Preparation of frozen. G. R. Henney and C. T. Walter. 1,943,019; Jan. 9.
 Meat apportioning machine. K. Schatz. 1,963,718; June 19.
 Meat bar. H. C. Kuhner. 1,956,239; Apr. 24.
 Meat chopping machine. C. A. Laemmel. 1,971,491; Aug. 28.
 Meat-cubing machine. J. P. Spang. 1,955,982; Apr. 24.
 Meat-cubing machine. J. P. Spang. 1,964,089; June 26.
 Meat curing method. L. S. Paddock. 1,951,436; Mar. 20.
 Meat curing method. L. S. Paddock. 1,957,150; May 1.
 Meat cutter. O. Stadtmann. 1,953,571; Apr. 3.
 Meat cutting machine. A. C. Van Hooydonk. 1,979,587; Nov. 6.
 Meat cutting machine. A. C. Van Hooydonk. 1,980,304; Nov. 13.
 Meat for cooking, Apparatus for shaping and pressing. J. L. Wilde. 1,960,964; May 29.
 Meat hook. J. J. Quirk. 1,983,706; Dec. 11.
 Meat loaf, Encased. C. H. Vogt. Des. 94,174; Dec. 25.
 Meat, Molding rectangular boned. O. Wolff. 1,981,889; Nov. 27.
 Meat, Packing. C. T. Walter. 1,950,763; Mar. 13.
 Meat, Producing compact parcels of. W. Jourdan. 1,963,235; June 19.
 Meat scoring machine. P. L. Weirtz. 1,985,125; Dec. 18.
 Meat shaping and supporting device. A. N. Benn. 1,948,839; Feb. 27.
 Meat skinner. G. A. Kelly. 1,975,044; Sept. 25.
 Meat slicer clamp. G. R. Wood. 1,957,191; May 1.
 Meat slicing machine. E. G. Streckfuss. 1,979,847; Nov. 6.
 Meat-slitting machine. J. P. Spang. 1,942,985; Jan. 9.
 Meat-slitting machine. J. P. Spang. 1,964,090-2; June 26.
 Meat-soaking mechanism. M. K. Lawler. 1,976,448; Oct. 9.
 Meat-tenderer. G. L. Scown, T. G. Stargel, and E. F. Mayer. 1,975,669; Oct. 2.
 Meat-tenderer. L. A. Short. 1,976,751; Oct. 16.
 Meat-tenderer. M. W. Watkins. 1,970,991; Aug. 21.
 Meat tenderer. F. W. West. Des. 93,368; Sept. 18.
 Meat-tendering apparatus. W. J. Irwin. 1,959,828; May 22.
 Meat-tendering machine. L. C. Huse. 1,973,284; Sept. 11.
 Meat tendering machine. W. J. Irwin. 1,965,462; July 3.
 Meat-tendering machine. F. W. Sanford and F. G. Marbach. 1,979,494; Nov. 6.
 Meat, Treating. H. H. McKee. 1,971,460; Aug. 28.
 Meats, Smoking. L. Laubham. 1,965,960; July 10.
 Mechanical appliance for removing feathers, stubs, and down from fowls, game-birds, ducks, geese or the like. A. G. Budd and H. Barton. 1,980,034; Nov. 6.
 Mechanical arm and hand. E. H. and C. H. Wiley. 1,979,782; Nov. 6.
 Mechanical base. D. S. Gustin, A. Bonney, jr., and C. Fleischmann. 1,957,708; May 8.
 Mechanical chair. P. Dalzye. 1,984,397; Dec. 18.
 Mechanical clearance regulator. O. M. Burkhardt. 1,948,063; Feb. 20.
 Mechanical device for the passing and reproducing of talking films. R. Raffo and R. Kuhlenschmidt. 1,961,570; June 5.
 Mechanical element and bearing therefor. O. U. Zerk. 1,978,977; Oct. 30.
 Mechanical filter. F. H. Owens. 1,950,693; Mar. 13.
 Mechanical jack. E. F. Green and F. A. Graham. 1,942,244; Jan. 2.
 Mechanical lock. W. G. Wilson. 1,952,483; Mar. 27.
 Mechanical means for mixing lubricant with the fuel of supercharged engines. J. L. Jameson. 1,960,155; May 22.
 Mechanical motion, Mechanism for electrically controlling. T. A. Carver. 1,943,161; Jan. 9.
 Mechanical movement. W. D. Drysdale. 1,970,034; Aug. 14.
 Mechanical movement. E. F. Dudley. 1,974,300; Sept. 18.
 Mechanical movement. J. W. Hansen. 1,967,505; July 24.
 Mechanical movement. W. R. Hewton. 1,980,527; Nov. 13.
 Mechanical movement. E. Jacobsen. 1,951,756; Mar. 20.
 Mechanical movement. H. C. Jones. 1,965,380; July 3.
 Mechanical movement. F. A. King. 1,947,853; Feb. 20.
 Mechanical movement. R. E. Leonard. 1,971,350; Aug. 28.
 Mechanical movement. A. M. Rossman. 1,970,251; Aug. 14.
 Mechanical movement. W. E. Urschel. 1,942,011; Jan. 2.
 Mechanical movement. A. L. Vissat. 1,976,703; Oct. 9.
 Mechanical movement for motion picture machines. A. Dina. 1,949,456; Mar. 6.
 Mechanical pencil. P. S. Hutton. Des. 92,905; July 31.
 Mechanical power brake. E. A. Rockwell. 1,948,359; Feb. 20.
 Mechanical regulation or tension indicator. L. X. Antelme. 1,975,675; Oct. 2.
 Mechanism for actuating windshield wipers. J. E. Cusset. 1,964,109; June 26.
 Mechanism for controlling the admission of air to internal combustion oil engines. K. J. E. Hesselman. 1,968,831; Aug. 7.
 Mechanism for controlling the movements of a head or carriage of a machine tool. F. E. Cardullo. 1,982,856; Dec. 4.
 Mechanism for driving the impeller of a supercharger for an internal combustion engine. F. B. Halford. 1,977,553; Oct. 16.
 Mechanism for effecting the between-needle movements of thread guides in warp-knitting machines. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,981,512; Nov. 20.
 Mechanism for effecting the lapping movement of the thread-guides of warp knitting machines. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,981,511; Nov. 20.
 Mechanism for indicating flow. M. M. Borden. 1,956,309; Apr. 24.
 Mechanism for raising and lowering windows. R. Bright. 1,964,809; July 3.
 Mechanism for selectively controlling the angular movement of a shaft. A. E. Ellinger. 1,974,207; Sept. 18.
 Mechanism for straightening sheet material. J. A. Hamre. 1,969,073; Aug. 7.
 Mechanism for winding or taking down fabric as produced. T. C. Bromley and A. Shortland. 1,956,638; May 1.
 Mechanism operator. R. Stover. 1,946,821; Feb. 13.
 Mechanisms, Apparatus for controlling. A. F. Meyer. 1,963,371; June 19.
 Medal. M. Shapiro. Des. 93,244; Sept. 4.
 Medallion holder. H. V. Henderson. Des. 92,350; May 29.
 Medallion or like article. F. K. Johnston. Des. 92,251; May 15.
 Medallion or similar article. F. K. Johnston. Des. 93,554-8; Oct. 9.
 Media for regenerating viscose. W. D. Wolfe. 1,948,323; Feb. 20.
 Medical apparatus. W. F. Hudgings. 1,983,293; Dec. 4.
 Medical case. R. E. Polhemus. 1,983,491; Dec. 4.
 Medical gas producer employing a heated liquid. J. Noirot. 1,944,140; Jan. 16.
 Medical instrument. A. Landau. 1,978,495; Oct. 30.
 Medical pad. W. M. Scholl. 1,984,158; Dec. 11.
 Medicament for external use and producing the same. A. Zimbron, jr. 1,982,148; Nov. 27.
 Medicament package and process. P. G. Heineman. 1,967,439; July 24.
 Medicaments into the body of iontophoresis, Device for inserting. D. Deutsch. 1,967,927; July 24.
 Medicated pad assembly and manufacturing same. G. H. Jung. 1,955,918; Apr. 24.
 Medicated stick. R. D. McDill. 1,972,118; Sept. 4.
 Medicinal oil solution. E. B. Carter and E. E. Moore. Re19,231; July 10.
 Medicinal oil solutions. E. B. Carter and E. E. Moore. 1,947,519; Feb. 20.
 Medicinal phenol compound. R. P. Fischelis. 1,954,766; Apr. 10.
 Medicine and preparing same. G. C. Taylor. 1,983,954; Dec. 11.
 Medicine bar, Proprietary. A. Blackstone. Des. 91,644; Mar. 6.
 Medicine shelf rack. S. V. Brooks. 1,947,825; Feb. 20.
 Melting and esterifying apparatus. J. Sommer. 1,960,855; May 29.
 Melting furnace. H. Pontzen. 1,970,186; Aug. 14.
 Melting point of Montan wax, Raising the. O. Eberhardt. 1,966,168; July 10.

- Melting pot, particularly for linotypes, Electrically heated. J. Rabaté and W. B. Smits. 1,980,696; Nov. 13.
- Member for coupling vehicles together. L. H. Draeger. 1,978,859; Oct. 30.
- Member for framework. H. Junkers. 1,983,612; Dec. 11.
- Memorandum device. R. T. Fortune. 1,948,851; Feb. 27.
- Memorandum pad, Loose leaf. L. E. Caldwell. 1,970,839; Aug. 21.
- Mental testing apparatus. J. L. Cleaver. 1,949,783; Mar. 6.
- Menthols, Manufacture of optically active. J. Read and W. J. Grubb. 1,949,329; Feb. 27.
- Mercaptans from hydrocarbons, Removing. L. Rosenstein. 1,943,744; Jan. 16.
- Mercapto aryl thiazoles, Derivatives of. L. B. Sebrell. 1,958,770; May 15.
- Merchandise, Advertising. C. L. Low. 1,958,517; May 15.
- Merchandise box. M. L. Sechrist. 1,963,450; June 19.
- Merchandise control system. M. L. Nelson and H. C. Robinson. 1,974,191; Sept. 18.
- Merchandise display and advertisement construction. N. R. Swartwout. 1,961,463; June 5.
- Merchandise display device. H. B. Hyams. 1,979,833; Nov. 6.
- Merchandise display device. C. W. Kress. 1,951,617; Mar. 20.
- Merchandise display rack. H. A. Hauptli. 1,962,503-4; June 12.
- Merchandise display rack. W. G. Hoffman and W. Hartig. 1,973,854; Sept. 18.
- Merchandise display rack. A. H. Newman. Des. 92,104-5; Apr. 24.
- Merchandise display rack. A. H. Newman. Des. 92,363; May 29.
- Merchandise display stand. J. J. Conway. 1,946,779; Feb. 13.
- Merchandise handling system. C. K. Pevear. 1,969,276; Aug. 7.
- Merchandizing display article for hosiery. J. J. Reinhold. Des. 91,842; Mar. 27.
- Mercury and other liquids, Method of and apparatus for economical use of. C. Field. 1,966,442; July 17.
- Mercury arc. J. McCullough. 1,949,545; Mar. 6.
- Mercury arc. P. F. Scofield. 1,977,290; Oct. 16.
- Mercury-arc rectifier, Sectional. A. L. Atherton. 1,979,660; Nov. 6.
- Mercury arc rectifiers, Method and apparatus for controlling. E. L. White. 1,980,459; Nov. 13.
- Mercury arc tube, Grid-controlled. L. R. Ludwig. 1,975,164; Oct. 2.
- Mercury boiler. W. L. R. Emmett and B. P. Coulson, jr. 1,948,371; Feb. 20.
- Mercury boiler. H. J. Kerr. 1,964,160; June 26.
- Mercury boiler. A. J. Nerad. 1,964,592; June 26.
- Mercury boiler level indicator. H. Stelling. 1,980,012; Nov. 6.
- Mercury compound of nitro-ortho-cresols. G. W. Raiziss. 1,953,263; Apr. 3.
- Mercury compounds as new disinfectants, Organic. F. Schönöfer and W. Bonrath. 1,967,372; July 24.
- Mercury contact device. W. R. Walker. 1,971,924; Aug. 28.
- Mercury dashpot timing device. E. X. Schmidt and W. C. Stevens. 1,955,565; Apr. 17.
- Mercury derivatives of substitution products of di-phenyl phenolphthalein. S. E. Harris and W. G. Christiansen. 1,952,166; Mar. 27.
- Mercury retard switch. H. M. Nacey and F. W. Jackson. 1,954,364; Apr. 10.
- Mercury switch. L. L. Barker. 1,957,438; May 8.
- Mercury switch. G. F. Callahan. 1,941,971; Jan. 2.
- Mercury switch. G. F. Callahan. 1,957,691; May 8.
- Mercury switch. H. H. Cole. 1,974,411; Sept. 25.
- Mercury switch. P. K. Cramblet. 1,972,291; Sept. 4.
- Mercury switch. C. Hatay. 1,984,478; Dec. 18.
- Mercury switch. C. W. Hunt. 1,968,081; July 31.
- Mercury switch. C. H. Larson. 1,967,247; July 24.
- Mercury switch. C. H. Larson. 1,967,946-7; July 24.
- Mercury switch. F. Moos. 1,951,161; Mar. 13.
- Mercury switch. H. O. Putt. 1,967,259; July 24.
- Mercury switch. H. C. Raue. 1,978,817; Oct. 30.
- Mercury switch. C. J. Warnke. 1,967,953; July 24.
- Mercury switch controller. O. T. Handwerk. 1,958,574; May 15.
- Mercury switch relay. C. H. Larson. 1,967,951; July 24.
- Mercury switch relay. C. J. Warnke. 1,967,954; July 24.
- Mercury switch, Time delay. C. H. Larson. 1,967,950; July 24.
- Mercury switch, Time delay. F. Moos. 1,951,162; Mar. 13.
- Mercury tube switch. K. Hunciker. 1,950,178; Mar. 6.
- Mercury, Uninterruptedly boiling fulminating. J. Meissner. 1,959,730; May 22.
- Mercury used as cathode in electrolyzing processes, Purifying. K. W. Palmaer and O. E. Griep. 1,970,974; Aug. 21.
- Mercury vapor generator and the like. A. J. Nerad. 1,964,593; June 26.
- Mercury vapor lamp. A. J. Thompson. 1,962,106; June 5.
- Mercury, Vaporizing. J. J. Grebe. 1,946,851; Feb. 13.
- Merry-go-round. C. I. Sweet. Des. 93,583; Oct. 9.
- Mesh fabric, Metal. C. A. Whiting. Des. 93,148-50; Aug. 21.
- Mesh, Reinforcement. W. H. Shaffer, jr. 1,972,361; Sept. 4.
- Message conveyer. R. Mason. 1,946,70; Feb. 13.
- Messages through submarine and other like cables, Means of and apparatus for transmitting. W. E. Staugh. 1,942,278; Jan. 2.
- Meta cresol from meta cresol-para cresol mixtures, Separation of. F. Comte. 1,980,384; Nov. 13.
- Metal alloy composition, Precious. N. O. Taylor. 1,965,012; July 3.
- Metal alloys, Electrodeposition of. J. Winkler, jr. 1,951,893; Mar. 20.
- Metal and alloy articles to improve the resistivity thereof to corrosion and to the product thereof, Treating. C. G. Fink and F. J. Kenny. 1,961,752; June 5.
- Metal and method and apparatus for manufacturing the same, Expanded. L. W. Cross. 1,950,372; Mar. 6.
- Metal and other commodities, Apparatus for shipping sheet. R. E. Stevens and A. G. Martens. 1,970,781; Aug. 21.
- Metal, Apparatus for bending sheet or strip. C. G. L. Sjölander. 1,985,385; Dec. 25.
- Metal, Apparatus for dishing and perforating sheet. H. S. Hasselquist. 1,959,101; May 15.
- Metal, Apparatus for handling molten. H. M. E. Heinicke. 1,965,340; July 3.
- Metal, Apparatus for heat treating. J. Thomson. 1,956,519; Apr. 24.
- Metal, Apparatus for heat treating strip. W. R. Webster. 1,971,666; Aug. 28.
- Metal, Apparatus for rolling. W. R. Clark. 1,978,895; Oct. 30.
- Metal, Apparatus for the surface finishing of. O. F. Gottlieb and R. A. Sandberg. 1,984,528; Dec. 18.
- Metal, Apparatus for treating. B. H. Jacobson. 1,952,594; Mar. 27.
- Metal, Apparatus for working. G. B. Coe. 1,952,841; Mar. 27.
- Metal article, Composite. J. H. Critchett. 1,975,742; Oct. 2.
- Metal article, Composite. A. B. Kinzel. 1,953,859; Apr. 3.
- Metal article, Duplex. R. H. Brown. 1,975,778; Oct. 9.
- Metal article, Duplex. F. Keller and G. F. Sager. 1,975,105; Oct. 2.
- Metal article, Portable protected. J. H. Young and D. S. Hubbell. 1,973,193; Sept. 11.
- Metal articles, Apparatus for forming. R. L. Wilcox. 1,957,924; May 8.
- Metal articles, Apparatus for making pressed. H. M. Hessenbruch. 1,953,757; Apr. 3.
- Metal articles, Apparatus for producing profile. H. Seifert. 1,967,788; July 24.
- Metal articles, Coating. R. K. Lee. 1,984,414; Dec. 18.
- Metal articles, Composite. M. R. Trembour. 1,950,871; Mar. 13.
- Metal articles, Heat-treating. M. F. Verity. 1,959,650; May 22.
- Metal articles, Making composite. S. L. Ingersoll. 1,955,547; Apr. 17.
- Metal articles, Making composite. S. L. Ingersoll, W. W. Patrick and A. C. Borg. 1,963,745; June 19.
- Metal articles, Method and apparatus for elongating. F. Singer. 1,982,544; Nov. 27.
- Metal articles, Pneumatic method and apparatus for forming. T. M. Hiester. 1,946,211; Feb. 6.
- Metal articles, Preparing. W. H. Castner. 1,960,895; May 29.
- Metal articles, Pressing. E. Schubarth. 1,948,242; Feb. 20.
- Metal bars, Process and apparatus for bending. A. T. Yates. 1,942,992; Jan. 9.
- Metal bearing composition, Porous. W. G. Calkins. 1,974,173; Sept. 18.
- Metal bending machine. J. C. Baldwin and C. C. McKnight. 1,949,401; Mar. 6.
- Metal bending machine. W. E. Kane. 1,963,661; June 19.
- Metal binding strip. A. H. Franke. 1,950,979; Mar. 13.
- Metal, Biplate. M. M. Austin. 1,943,853; Jan. 16.
- Metal blank, Rolling discus. T. W. Hand. 1,946,070; Feb. 6.
- Metal blanks, Forming scroll edge. J. H. Murch. 1,949,430; Mar. 6.
- Metal blanks, Method of and apparatus for finishing. J. Lamond. 1,952,995; Mar. 27.
- Metal blanks, Pressing. O. Busse. 1,951,501; Mar. 20.
- Metal boiler, Sectional cast. L. N. Hunter. 1,960,310; May 29.
- Metal bridges of the truss type and like structures, Repairing and strengthening. A. R. Knight. 1,962,820; June 12.
- Metal building structure. E. M. Sims. 1,959,880; May 22.
- Metal carbamates, Production of water soluble. R. B. MacMullin. 1,942,610; Jan. 9.
- Metal, Carbonizing ferrous. J. H. Kyte. 1,950,116; Mar. 6.
- Metal, Carbonizing ferrous. P. G. Weiller. 1,978,180; Oct. 23.
- Metal, Case hardening. E. C. Moffett. 1,952,090; Mar. 27.
- Metal casting apparatus. W. H. Peirce. 1,966,596; July 17.
- Metal casting process. J. Croning. 1,966,615; July 17.
- Metal chlorides, Electrolysis of anhydrous fused. K. Staib and W. Moschel. 1,951,494; Mar. 20.

- Metal chlorides from ores, Producing. T. A. Mitchell. 1,943,341; Jan. 16.
- Metal chlorides, Manufacture of anhydrous. J. Brode and C. Wurster. 1,982,194; Nov. 27.
- Metal, Cleaning. R. P. Mattern. 1,974,965; Sept. 25.
- Metal coating bodies. J. Adler and P. Doerseln. 1,955,572; Apr. 17.
- Metal, Coating with. F. O. Andres. 1,953,330; Apr. 3.
- Metal coatings to bodies and material for use therein, Applying. J. A. Daly. 1,954,403; Apr. 10.
- Metal composition, Hard. E. B. Welch. 1,973,422; Sept. 11.
- Metal-compounds into textiles, Incorporation of. F. Hoelkeskamp. 1,947,597; Feb. 20.
- Metal compounds of ortho-hydroxyazo dyestuffs, Production of complex. F. Lange and H. Krzikalla. 1,978,880; Oct. 30.
- Metal compounds, Resinous. P. L. Salzberg. 1,980,441; Nov. 13.
- Metal construction section. C. W. Thomas. 1,960,961; May 29.
- Metal constructional set, Screwless. M. Schmid. 1,974,838; Sept. 25.
- Metal container. W. F. Punte and C. J. Aulbach. 1,954,748; Apr. 10.
- Metal container, Valve closed. W. F. Punte. 1,950,325-7; Mar. 6.
- Metal containing non-dyeing thioderivatives from phenols and preparing the same. E. Runne and K. Larbig. 1,968,098; Aug. 7.
- Metal cribbing. H. L. Kraefft. 1,975,108; Oct. 2.
- Metal cutting machine. L. C. Shippy, A. W. Phelps, and J. Q. Holmes. 1,948,010; Feb. 20.
- Metal cutting machine. L. C. Shippy, A. W. Phelps, and J. Q. Holmes. 1,980,359; Nov. 13.
- Metal, Drawing. R. M. Chesney. 1,960,000; May 22.
- Metal drawing press. N. E. Methlin. 1,943,032; Jan. 9.
- Metal during cold rolling, Treating. G. H. Orozco. 1,982,065; Nov. 27.
- Metal edges for electric welding, Aligning sheet. W. F. Heineman. 1,976,343; Oct. 9.
- Metal electrolytically, Process and apparatus for producing sheet. S. Levy, C. E. Yates, and W. M. Shakespeare. 1,952,762; Mar. 27.
- Metal extrusion press. O. Schenstedt. 1,948,400; Feb. 20.
- Metal feeder. J. A. Walker. 1,978,775; Oct. 30.
- Metal finish. H. M. Batten and C. J. Welcome. 1,970,548; Aug. 21.
- Metal fixtures on glass articles, Casting. R. D. Smith. 1,955,981; Apr. 24.
- Metal flashing. M. Walten. 1,953,841; Apr. 3.
- Metal foil and manufacture thereof, Coated. K. Kilchling. 1,944,323; Jan. 23.
- Metal foil, Apparatus for corrugating and winding. E. B. Newill. 1,952,181; Mar. 27.
- Metal folding machine, Sheet. C. H. Everett. 1,957,330; May 1.
- Metal for loose leaf binder covers. E. J. Bloore. 1,985,714; Dec. 25.
- Metal for rolling, Heating. E. L. and E. W. Clark. 1,968,443; July 31.
- Metal forming machine. A. Rafter. 1,971,696; Aug. 28.
- Metal from metal articles, Removing. S. R. Oldham. 1,957,351; May 1.
- Metal gathering machine, Electric. W. H. Spire. 1,961,256; June 5.
- Metal gathering machine, Electric. W. H. Spire. 1,985,803; Dec. 25.
- Metal grille fabric. L. B. Green. 1,961,852; June 5.
- Metal heater. E. Bornand and H. A. Schlaepfer. 1,971,025; Aug. 21.
- Metal heating. G. Kalschne. 1,979,111; Oct. 30.
- Metal in a threading operation, Apparatus for removing. F. Judge. 1,982,737; Dec. 4.
- Metal into electric discharge devices, Introducing active. J. H. de Boer, J. L. H. Jonker, and K. M. Van Gessel. 1,964,506; June 26.
- Metal leaf package. W. O. Snelling. 1,943,747; Jan. 16.
- Metal leaf, Production of refractory. B. C. Gardner and R. H. Varian. 1,979,539; Nov. 6.
- Metal members, Making composite. N. K. Van Osdol. 1,963,946; June 19.
- Metal, Method and apparatus for hot rolling strip. A. P. Steckel. 1,977,214; Oct. 16.
- Metal, Method and machine for treating sheet. A. M. H. Hartmann. 1,975,846; Oct. 9.
- Metal, Method and material for coating and cleaning. R. R. Tanner and H. J. Lodeesen. 1,949,090; Feb. 27.
- Metal, Method of and apparatus for drawing sheet. G. L. Kelley. 1,979,472; Nov. 6.
- Metal, Method of and apparatus for electro-pickling. J. S. Nachtman and C. G. Thomas. 1,950,689; Mar. 13.
- Metal, Method of and apparatus for preparing, handling, and shipping sheet. J. F. Warren. 1,977,503; Oct. 16.
- Metal, Method of and apparatus for punching and crimping or corrugating sheet. C. H. Everett. 1,954,074; Apr. 10.
- Metal, Method of and apparatus for rolling. W. R. Clark. 1,982,571; Nov. 27.
- Metal, Method of and apparatus for shaping. M. H. Ward. 1,951,381; Mar. 20.
- Metal net and frame for beds. F. González y González. 1,954,382; Apr. 10.
- Metal objects. S. F. Cushman, jr. 1,969,728; Aug. 14.
- Metal objects, Apparatus for forming or coining. H. A. Schauer. 1,965,670; July 10.
- Metal objects, Soldering. K. Bassler. 1,950,214; Mar. 6.
- Metal oxides, Method and apparatus for production of. K. A. Ferkel. 1,967,235; July 24.
- Metal package, Double compartment. C. L. Emmons. 1,984,570; Dec. 18.
- Metal parts to prevent adhesion of molten metal and composition of matter employed therein, Treating. C. B. Olson. 1,951,945; Mar. 20.
- Metal perborate, Preparing an alkali. J. McKeown. 1,978,953; Oct. 30.
- Metal, Pickling. L. F. VanMater. 1,978,151; Oct. 23.
- Metal pickling process. A. Klamroth and H. Ahrens. 1,981,109; Nov. 20.
- Metal pickling process. D. H. Tompkins. 1,961,652; June 5.
- Metal pillow block and producing it, Sheet. R. F. Runge. 1,964,770; July 3.
- Metal planing and like machine tool. A. Hewitt. 1,944,981; Jan. 30.
- Metal plates, Device for handling large. G. K. Hull and R. L. Drake. 1,962,772; June 12.
- Metal powder, Treating. F. R. Kemmer. 1,964,853; July 3.
- Metal powders, Producing. J. H. Lucas. 1,959,376; May 22.
- Metal, Preparing laminated. S. L. Ingersoll. 1,967,754; July 24.
- Metal, Production of refined. J. W. Flannery. 1,983,604; Dec. 11.
- Metal, Purification of molten. W. F. Zimmerli. 1,971,149; Aug. 21.
- Metal, Refining. W. A. Cowan. 1,957,819; May 8.
- Metal reshaping machine. C. A. Dix. 1,951,275; Mar. 13.
- Metal rolling machine. W. C. Corryell. 1,964,503; June 26.
- Metal sampling, Molten. C. B. Francis. 1,979,737; Nov. 6.
- Metal scrap, Refining white. G. E. Behr, jr. 1,957,930; May 8.
- Metal scrap, Refining white. G. O. Hars. 1,976,225; Oct. 9.
- Metal scrap, Refining white. E. H. Sheaff. 1,957,852; May 8.
- Metal scrap, Refining white. G. W. Thompson and E. H. Sheaff. 1,954,463; Apr. 10.
- Metal sections in multiple, Rolling. R. S. McCleery. 1,977,285; Oct. 16.
- Metal self-lubricating, Rendering. J. W. Nesbitt. 1,964,671; June 26.
- Metal sheets, Apparatus for treating. E. E. Griffiths. 1,944,975; Jan. 30.
- Metal sheets, Galvanizing. R. O. Griffiths. 1,946,936; Feb. 13.
- Metal, Siphoning. V. C. Doerschuk and E. G. Schaeffell. 1,944,733; Jan. 23.
- Metal spraying apparatus. D. D. Taylor. 1,968,329; July 31.
- Metal spraying apparatus. D. D. Taylor. 1,979,179; Oct. 30.
- Metal stampings, Forming irregular sheet. W. J. Meinel. 1,949,615; Mar. 6.
- Metal stampings, Making elastic. G. L. Kelley. 1,977,131; Oct. 16.
- Metal stampings, Production of. H. L. T. Buckle. 1,958,467; May 15.
- Metal stock, Apparatus for handling packed. M. S. Allen. 1,950,377; Mar. 13.
- Metal strip, Apparatus for uncoiling. H. H. Talbot. 1,943,748; Jan. 16.
- Metal strip, Locked joint. W. O. Sheldon. 1,976,968; Oct. 16.
- Metal strip, Method and apparatus for coating. E. L. Davenport. 1,973,431; Sept. 11.
- Metal strip used in the art of cutting circular and other nonrectangular blanks, Sheet. J. H. Murch. 1,948,532; Feb. 27.
- Metal strips, Method and apparatus for edgewise bending of. R. H. Thoms and R. H. Maddock. 1,965,716; July 10.
- Metal structure. T. H. McKaig. 1,974,430; Sept. 25.
- Metal structure, Porous. W. G. Calkins and A. J. Langhammer. 1,958,740; May 15.
- Metal structures, Welding thin. R. H. Goddard. 1,969,840; Aug. 14.
- Metal, Surface finishing of. O. F. Gottlieb and R. A. Sandberg. 1,984,527; Dec. 18.
- Metal surfaces, Cleaning. H. W. Kochs. 1,962,821; June 12.
- Metal surfaces, Method and solution for treating. O. L. H. L., and C. E. Peterson. 1,954,744; Apr. 10.
- Metal swaging machine. C. T. Brennan. 1,951,721; Mar. 20.
- Metal swaging machine. J. E. Pracny. 1,951,738; Mar. 20.
- Metal table. M. R. Failey. 1,952,665; Mar. 27.
- Metal threaded handle. H. B. Morgan. 1,965,986; July 10.
- Metal to finished propeller blades, Adding. J. H. McKee. 1,952,086; Mar. 27.
- Metal transfer. E. M. Chandler. 1,983,578; Dec. 11.
- Metal transfer device. J. A. Nock, jr. 1,983,580; Dec. 11.
- Metal transfer system. W. T. Ennor and W. E. King. 1,983,579; Dec. 11.
- Metal, Treating. W. A. Darrah. 1,953,647; Apr. 3.
- Metal, Treating. B. H. Jacobson. 1,953,936; Apr. 10.

- Metal, Treating. W. H. Kelly. 1,949,051; Feb. 27.
 Metal treating compound and using the same. J. W. Markley and T. W. Clement. 1,973,087; Sept. 11.
 Metal trimming mechanism. C. A. McDowell and C. F. Buente. 1,958,059; May 8.
 Metal values from lead bearing materials, Recovering. J. H. Calbeck. 1,965,880; July 10.
 Metal vapor lamp. H. P. Hood. 1,964,321; June 26.
 Metal ware, Manufacture of. A. Hormel and W. Russell. 1,981,915; Nov. 27.
 Metal wheel. G. Walther. 1,954,772; Apr. 10.
 Metal wheel. G. Walther. 1,972,610; Sept. 4.
 Metal wheel. G. Walther. 1,984,048; Dec. 11.
 Metal winding cone. K. W. H. Barthelmes. 1,949,290; Feb. 27.
 Metal window frame. G. Chauvet. 1,942,239; Jan. 2.
 Metal window screen. L. T. Dunning. 1,974,798; Sept. 25.
 Metal work, Architectural. K. Kornbau. 1,948,721; Feb. 27.
 Metal working. N. Bregger. 1,949,599; Mar. 6.
 Metal working. W. C. McBain. 1,974,685; Sept. 25.
 Metal, Working. F. Mohler. 1,983,387; Dec. 4.
 Metal working and article produced thereby. F. R. Bonte. 1,945,877; Feb. 6.
 Metal working and product resulting therefrom, Method and apparatus for. J. Schmeller, sr. 1,947,114; Feb. 13.
 Metal working apparatus. Sheet. R. M. Fenton. 1,961,210; June 5.
 Metal working device. F. E. McCabe. 1,985,454; Dec. 25.
 Metal working machine. R. S. Brown. 1,973,368; Sept. 11.
 Metal working machine. E. A. Conner and H. G. Robinson. 1,955,535; Apr. 17.
 Metal working machine. A. F. Hanson. 1,980,584; Nov. 13.
 Metal working machine. A. M. Hartmann. 1,970,911; Aug. 21.
 Metal working machine. E. J. Kinsbury. 1,975,007; Sept. 25.
 Metal working method and apparatus, Electric. C. A. Cadwell. 1,979,529; Nov. 6.
 Metal working press. R. W. Glasner. 1,977,549; Oct. 16.
 Metal working press. F. J. Rode. 1,943,555; Jan. 16.
 Metallic article, Making colored. W. J. Cotton. 1,962,339; June 12.
 Metallic articles, Degreasing. J. Savage. 1,961,867; June 5.
 Metallic articles, Making composite. S. L. Ingersoll. 1,983,760; Dec. 11.
 Metallic articles, Production of. F. Duftschmid. 1,969,396; Aug. 7.
 Metallic base-board. A. G. Siebenlist. 1,950,634; Mar. 13.
 Metallic composition and contacts thereof. Hard. G. N. Sieger. 1,984,203; Dec. 11.
 Metallic container. L. M. La Duke. 1,984,934; Dec. 18.
 Metallic expansion joint. W. Heigh. 1,944,128; Jan. 16.
 Metallic fence post. W. H. Sommer. 1,965,994; July 10.
 Metallic foil and manufacture. U. C. Tainton and F. W. Harris. 1,959,037; May 15.
 Metallic objects, Coating. M. L. Myers. 1,979,486; Nov. 6.
 Metallic post. H. E. Lynch. 1,964,404; June 26.
 Metallic salt solutions, Treating. J. H. Loomis and J. McKinney. 1,966,729; July 17.
 Metallic scrap mixtures, Reclaiming and reusing. R. H. McCarroll and G. Vennerholm. 1,943,541; Jan. 16.
 Metallic sheets, Device for dusting. R. B. Dimmick. 1,949,270; Feb. 27.
 Metallic tube press. F. Hanff. 1,975,455; Oct. 2.
 Metallic window screen. W. C. Hill. 1,957,339; May 1.
 Metallographic polishing machine. J. P. Buckley. 1,972,086; Sept. 4.
 Metallurgical apparatus. C. R. Kuzell. 1,941,606; Jan. 2.
 Metallurgical apparatus. J. R. Munroe. 1,944,449; Jan. 23.
 Metallurgical furnace. H. O. Breaker. 1,946,270; Feb. 6.
 Metallurgical furnace. E. H. Bunce and A. O. Ashman. 1,981,028; Nov. 20.
 Metals against corrosion, Protecting light. P. Prier. 1,957,354; May 1.
 Metals against rusting, Cleaning and protecting. W. K. Schweitzer. 1,949,921; Mar. 6.
 Metals and compound metal article, Uniting. B. L. Quarnstrom. 1,949,623; Mar. 6.
 Metals and other substances, Apparatus for hot welding and rolling. C. Robinson. 1,975,434; Oct. 2.
 Metals, Apparatus for and process of casting. L. G. Nilsson. 1,972,945; Sept. 11.
 Metals, Apparatus for extruding. C. C. Jacobson. 1,972,684; Sept. 4.
 Metals, Apparatus for producing low carbon. H. A. Brassert. 1,945,342; Jan. 30.
 Metals, Bright finishing. A. E. Bellis. 1,970,268; Aug. 14.
 Metals by amalgamation, Recovery of precious. D. Enzlin and J. A. Eklund. 1,951,822; Mar. 20.
 Metals by polarization, Testing. T. D. Bottome. 1,942,046; Jan. 2.
 Metals, Casting refractory. E. A. De Bats. 1,976,009; Oct. 9.
 Metals, Cold reducing. E. T. Lorig. 1,973,684; Sept. 11.
 Metals, Deoxidation of nonferrous. W. Claus. 1,967,810; July 24.
 Metals, Distillation of. F. Johannsen. 1,985,171; Dec. 18.
 Metals, Distillation of readily volatilizable. F. Johannsen. 1,950,249; Mar. 6.
 Metals, Electrodisposition of. R. H. Atkinson. 1,981,715; Nov. 20.
 Metals from amalgams, Method of and apparatus for extracting. P. F. Crahan, S. A. Moulton, and G. E. Seavoy. 1,961,135; June 5.
 Metals from melts containing metal oxides, Recovering nonferrous. W. Witter. 1,941,506; Jan. 2.
 Metals from ores, Extracting. A. D. Lee. 1,947,860; Feb. 20.
 Metals from ores, Extracting. A. T. Sweet. 1,969,769; Aug. 14.
 Metals from oxide materials, Reducing. W. M. Grant. 1,969,264; Aug. 7.
 Metals from siliceous rocks, Obtaining. E. Wydler. 1,942,015; Jan. 2.
 Metals, Hardening. W. R. Bennett. 1,975,058; Sept. 25.
 Metals, Heat treating ferrous. J. A. and D. Robertson. 1,942,937; Jan. 9.
 Metals in a finely divided state, Production of. E. Drouilly. 1,963,893; June 19.
 Metals, Making clad. A. F. B. Chandler. 1,968,069; July 31.
 Metals, Manufacture of. H. A. Brassert. 1,948,697; Feb. 27.
 Metals, Melting and refining. A. G. McGregor. 1,965,928; July 10.
 Metals, Method and apparatus for refining. R. C. Rutherford. 1,954,951; Apr. 17.
 Metals, nonmetals, or volatile or gaseous metallic or non-metallic compounds, Separate recovery of volatile. C. P. Debuch. 1,977,117; Oct. 16.
 Metals or alloys noncorrodible, Rendering. W. H. Hatfield. 1,961,635; June 5.
 Metals, Process and composition for treating. E. A. Harding and D. A. Holt. 1,970,852; Aug. 21.
 Metals, Production of active. J. W. Marden and E. A. Lederer. 1,966,254; July 10.
 Metals, Protection of. W. J. Travers. 1,971,761; Aug. 28.
 Metals, Purifying light. H. N. Gilbert. 1,943,307; Jan. 16.
 Metals, Reducing and alloying. W. H. Smith. 1,951,449; Mar. 20.
 Metals, Refining. W. R. Jeavons and M. J. Rentschler. 1,978,537; Oct. 30.
 Metals, Separating. A. T. Sweet and J. D. MacCarthy. 1,964,747; July 3.
 Metals, Treating. L. R. Clapp and R. O. Farmer. 1,955,576; Apr. 17.
 Metals, Treating. H. F. Fruth. 1,966,496; July 17.
 Metals, Treating. G. F. Nelson. 1,985,456; Dec. 25.
 Metals, Treating ferrous. C. R. Culling and M. A. Baernstein. 1,985,315; Dec. 25.
 Metals, Treatment of ferrous. V. T. Malcolm. 1,975,064; Sept. 25.
 Metals, Uniting. J. M. Collins. 1,978,415; Oct. 30.
 Metals with lead, Coating. D. D. Jackson. 1,950,612; Mar. 13.
 Metals, Working. H. R. Treuting. 1,977,562; Oct. 16.
 Meter: See—
 Compensating meter. Liquid meter.
 Connector orifice meter. Maximum demand meter.
 Diaphragm meter. Modulation meter.
 Differential meter. Musculo-tone meter.
 Dry gas meter. Parking meter.
 Electric meter. Polypbase meter.
 Electricity meter. Prepayment meter.
 Excess demand meter. Proportional gas meter.
 Exposure meter. Registering fluid meter.
 Field strength meter. Return paste meter.
 Flow meter. Reverse flow meter.
 Fluid meter. Rolling mill.
 Frequency meter. Rotary gas flow meter.
 Frostproof water meter. Rotary meter.
 Gas meter. Safety meter.
 Gasoline meter. Test meter.
 Golf meter. Time meter.
 Heat convection meter. Torsion meter.
 Heat meter. Transparency meter.
 Indicating meter. Vacuum tube life meter.
 Induction meter. Viscosity meter.
 Latitude and longitude meter. Water meter.
 Liquid displacement meter. Wave meter.
 Meter. W. C. Downing, jr. 1,944,656; Jan. 23.
 Meter. H. Jacob. 1,966,981; July 17.
 Meter. P. Lanham. 1,951,797; Mar. 20.
 Meter. J. C. Miller. 1,957,661; May 8.
 Meter adjusting means. W. S. Brubaker. 1,949,006; Feb. 27.
 Meter and faucet, Combination liquid registering. W. H. Semon. Des. 92,321-3; May 22.
 Meter and finder for photographic cameras, Distance. H. Kuppenbender and M. Nowicki. 1,964,883; July 3.
 Meter apparatus. J. C. Diehl. 1,979,607; Nov. 6.
 Meter block connector. J. G. Jackson and C. W. Wolf. 1,971,185; Aug. 21.
 Meter box. M. J. Lewis. 1,979,949; Nov. 6.
 Meter calibrating device. J. M. Dayton. 1,943,164; Jan. 9.
 Meter casing. T. A. Abbott. Des. 92,691; July 10.
 Meter cut out. A. B. Rybinski. 1,968,354; July 31.
 Meter dial. H. P. Matte. Des. 93,629; Oct. 16.
 Meter disk housing construction, Orifice. T. N. Kellett. 1,958,854; May 15.

- Meter, especially for photographic cameras, Distance. M. Nowicki and E. Böttger. 1,968,002; July 24.
- Meter fitting, Orifice. H. H. Robinson. 1,957,807; May 8.
- Meter fitting, Orifice. H. H. Robinson. 1,980,699; Nov. 13.
- Meter flag thrower. G. Swaim. 1,961,869; June 5.
- Meter for elastic mediums, Flow. J. M. Spitzglass. 1,959,743; May 22.
- Meter for liquids, Flow. J. M. Dayton. 1,961,414; June 5.
- Meter for measuring fluids. J. L. Hodgson and A. E. Hutson. 1,950,241; Mar. 6.
- Meter for pipe line systems, Water. H. H. Kidder. 1,954,386; Apr. 10.
- Meter for quantitatively determining the amount of foreign matter in air. S. M. Corbett and L. H. Stanford. 1,968,816; Aug. 7.
- Meter hanger. H. G. Weymouth. 1,946,342; Feb. 6.
- Meter mechanism, Prepayment. R. C. Graseby. 1,962,391; June 12.
- Meter reading apparatus. P. Yates and J. M. Guthrie. 1,955,043; Apr. 17.
- Meter reversing mechanism, Gas. F. von Schütz. 1,961,654; June 5.
- Meter sealing device. H. A. Bakke. 1,979,928; Nov. 6.
- Meter testing arrangement. J. S. Murray. 1,984,688; Dec. 18.
- Meter testing device. I. F. Kinnard. 1,942,063; Jan. 2.
- Meter wire cover. O. E. Juvinall. 1,946,796; Feb. 13.
- Meter yoke. N. H. Abrams. 1,960,563; May 29.
- Metering control mechanism. C. E. Dirkes. 1,971,097; Aug. 21.
- Metering pump. A. Korfmacher. 1,981,416; Nov. 20.
- Metering, System of. D. M. Carr. 1,948,368; Feb. 20.
- Meters, Apparatus for testing. F. Holmes. 1,949,743; Mar. 6.
- Methane into liquid hydrocarbons, Conversion of. C. Steigerwald. 1,958,648; May 15.
- Methane, Preparing fluorinated. H. S. Nutting and P. S. Petrie. 1,961,622; June 5.
- Methyl acetate and method of producing, Hydrogenated. I. W. Humphrey. 1,944,241; Jan. 23.
- Methyl amine from dimethyl ether, Production of. L. C. Swallen. 1,946,245; Feb. 6.
- Methyl-isobutyl carbinol, Producing. H. M. Guinot. 1,965,829; July 10.
- Methyl-para-amino phenol, Purification of. A. W. M. Dickens and C. R. Fordyce. 1,973,472; Sept. 11.
- Methylene chloride, Preparing. W. Berndt and O. Ernst. 1,964,868; July 3.
- Mica article, making the same, and cementitious binder, Composite. W. A. Boughton. 1,953,950; Apr. 10.
- Mica insulator. W. H. Banks, jr., and W. A. Graham. 1,984,911; Dec. 18.
- Mica products with inorganic binders. W. A. Boughton. 1,975,078; Oct. 2.
- Mica products with inorganic binders, Making molded laminated. W. A. Boughton and W. R. Mansfield. 1,975,080; Oct. 2.
- Micrometer adjustment for coating machine rollers and the like. A. Hormel. 1,973,316; Sept. 11.
- Micrometer, Automatic. A. R. Lafferty and A. S. Marta. 1,959,867; May 22.
- Micrometer gauge. E. C. Swanson. 1,943,638; Jan. 16.
- Micrometer, Straddle dial. R. H. Sutterlin. 1,971,628; Aug. 28.
- Microphone. J. A. Comstock. 1,976,835; Oct. 16.
- Microphone. F. Rieber. 1,975,801; Oct. 9.
- Microphone. S. Ruben. 1,951,442; Mar. 20.
- Microphone. J. L. Snoek. 1,976,692; Oct. 9.
- Microphone casing. A. I. Blanc. 1,954,515; Apr. 10.
- Microphone for the deaf. H. Sell. 1,944,720; Jan. 23.
- Microphone relay hearing apparatus. A. Veilleux. 1,961,835; June 5.
- Microphonic relay assembly. S. F. Lybarger. 1,977,830; Oct. 23.
- Microprojector. G. Fassin. Des. 92,393, June 5.
- Microray transmission line. A. G. Clavier. 1,971,901; Aug. 28.
- Microray tube. A. G. Clavier. 1,959,019; May 15.
- Micro-ray vacuum tube. A. G. Clavier. 1,959,856; May 22.
- Microregulator for clocks. J. Bulloch. 1,961,958; June 5.
- Microscope. W. Bauersfeld. 1,964,239; June 26.
- Microscope. W. Bauersfeld. 1,971,061; Aug. 21.
- Microscope. G. Fassin. Des. 92,394; June 5.
- Microscope. G. B. Gallasch. 1,984,127; Dec. 11.
- Microscope. H. Heine. 1,954,755; Apr. 10.
- Microscope. H. N. Ott. 1,968,094; July 31.
- Microscope. W. L. Patterson and G. B. Gallasch. 1,958,280; May 8.
- Microscope, Binocular. W. L. Patterson. 1,962,834; June 12.
- Microscope for examining the profiles of surfaces. F. Hauser, M. Hübschmann, and G. Schmaltz. 1,973,066; Sept. 11.
- Microscope having an inclined ocular tube and a revolving nose-piece. W. Bauersfeld. 1,970,728; Aug. 21.
- Microscope, Measuring. G. Fassin. 1,974,606; Sept. 25.
- Microscopic objects, Apparatus for illuminating. W. Bauersfeld. 1,943,509; Jan. 16.
- Microscopic objects, Device for light-field and dark-field illumination of. W. Bauersfeld and A. Köhler. 1,943,510; Jan. 16.
- Microscopic objects with incident light, Device for illuminating. W. Bauersfeld. 1,985,072; Dec. 18.
- Microscopic slide edging and smoothing machine. S. Celinski. 1,985,817; Dec. 25.
- Milk and cream from cans, Apparatus for removing. G. Christensen. 1,958,846; May 15.
- Milk, Apparatus for cooling and aerating. L. J. R. Haselberg. 1,984,581; Dec. 18.
- Milk, Apparatus for pasteurizing. T. H. Anglim. 1,984,956; Dec. 18.
- Milk, Apparatus for pasteurizing. J. H. Wade. 1,980,605; Nov. 13.
- Milk bottle holder. H. Beukema. 1,958,781; May 15.
- Milk bottle holder. C. A. Bradley. 1,967,112; July 17.
- Milk bottle holder. R. T. Ferguson. 1,978,860; Oct. 30.
- Milk bottle holder. C. E. Herring and H. S. Parsons. 1,950,303; Mar. 6.
- Milk bottle holder. J. Suppes. 1,978,033; Oct. 23.
- Milk bottle lock. P. M. Otero. 1,957,610; May 8.
- Milk bottle lock. B. Wolfeld. 1,951,227; Mar. 13.
- Milk bottle washer. A. K. Whitmer. 1,979,129; Oct. 30.
- Milk by the action of ultraviolet light, Apparatus for the sterilization of. L. Castelain. 1,956,667; May 1.
- Milk constituents, Producing concentrated. F. H. Clickner. 1,961,960; June 5.
- Milk container. G. C. Sprague. 1,967,978; July 24.
- Milk containing products, Manufacture of. H. E. Otting. 1,966,460; July 17.
- Milk cooler. J. G. Kaestner. 1,963,780; July 31.
- Milk cooler. A. T. Light. 1,949,126; Feb. 27.
- Milk cooler. A. V. Phillips. 1,943,991; Jan. 16.
- Milk cooler. C. J. Severson. 1,972,360; Sept. 4.
- Milk cooler. W. J. M. Wroten. 1,979,785; Nov. 6.
- Milk delivery system, Continuous. C. H. Hapgood. 1,962,192; June 12.
- Milk dessert. K. J. Monrad. 1,980,628; Nov. 13.
- Milk dispensing device. H. R. Segal. 1,977,292; Oct. 16.
- Milk filter device. I. H. Kendall. 1,959,535; May 22.
- Milk, Free flowing powdered. H. V. Moss and T. H. Wheelock. 1,966,513; July 17.
- Milk, Making acidophilus. J. H. Kellogg. 1,982,994; Dec. 4.
- Milk or other bottle emptying machine. H. L. Van Horn and G. A. Weber. 1,963,217; June 19.
- Milk pasteurizing apparatus. C. E. North. 1,973,772; Sept. 18.
- Milk, Preserving fresh whole. B. H. Webb. 1,964,279; June 26.
- Milk, Preserving sweetened condensed. E. Chiashi. 1,961,551; June 5.
- Milk processing machine. W. F. Schildman. 1,948,280; Feb. 20.
- Milk products and producing same. A. C. Dahlberg. 1,962,552; June 12.
- Milk products, Making. R. Fluckiger. 1,973,145; Sept. 11.
- Milk products, Treating. J. F. Lyman. 1,954,769; Apr. 10.
- Milk receptacle. G. A. Van Voort. 1,943,776; Jan. 16.
- Milk sample mailing unit. E. M. Pennock and L. Hale. 1,975,173; Oct. 2.
- Milk tester. H. O. Kittelson. 1,959,208; May 15.
- Milk treatment. J. Willmann. 1,966,228; July 10.
- Milk, Yeasted. C. L. Patterson. 1,965,355; July 3.
- Milking apparatus. K. Luks. 1,968,564; July 31.
- Milking apparatus and process. A. Sutherland. 1,942,882; Jan. 9.
- Milking machine. C. H. Hapgood. 1,978,941; Oct. 30.
- Milking machine. H. H. Johnson. 1,965,497; July 3.
- Milking process and apparatus. R. R. Graves. 1,977,511; Oct. 16.
- Mill—See—
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| Ball or tube mill. | Pulverizing and granulating mill. |
| Capillary colloid mill. | Roller mill. |
| Crushing mill. | Rolling mill. |
| Feed mill. | Roughage mill. |
| Grinding mill. | Saw mill. |
| Hammer mill. | Sheet rolling mill. |
| Intercone mill. | Strip mill. |
| Pellet mill. | Tube mill. |
| Portable mill. | Tumbling mill. |
- Mill adjusting device, Roller. E. P. Peters. 1,943,142; Jan. 9.
- Mill and method of rolling, Rolling. L. Lee. 1,966,554; July 17.
- Mill and operating it, Grinding. R. M. Hardgrove. 1,965,648; July 10.
- Mill and the like, Rolling. P. G. Palmgren. 1,969,940; Aug. 14.
- Mill catcher, Hot. G. Hartill, sr. 1,945,896; Feb. 6.
- Mill feed, Rotary. L. M. Zepp. 1,974,593; Sept. 25.
- Mill of the roll and adjustable breast bar type, Refining. H. E. Cox and J. R. Torrance. 1,975,389; Oct. 2.
- Mill of the roll and adjustable breast bar type, Refining. H. E. Cox and J. R. Torrance. 1,983,736; Dec. 11.
- Mill pick. T. A. Teate. 1,972,540; Sept. 4.
- Mill plant, Rolling. W. C. Coryel. 1,964,504; June 26.
- Mill polisher, Rolling. R. H. Stoughton. 1,954,716; Apr. 10.
- Mill screw-down, Rolling. J. A. Smitmans. 1,956,933; May 1.
- Mill structure, Rolling. E. Drexler. 1,960,900; May 29.
- Mill with air sealing device, Grinding. R. M. Hardgrove. 1,965,186; July 3.
- Milling and drying device. A. F. Thal. 1,977,098; Oct. 16.
- Milling and like cutting tool. R. Miller. 1,964,130; June 26.
- Milling cutter. A. Buchmüller. 1,948,648; Feb. 27.
- Milling cutter. P. P-G. Hall. 1,945,854; Feb. 6.

- Milling machine. G. V. Anderson. 1,952,231; Mar. 27.
Milling machine. W. D. Archea. 1,976,105; Oct. 9.
Milling machine. W. D. Archea. 1,976,107-8; Oct. 9.
Milling machine. W. D. Archea. 1,978,359-60; Oct. 23.
Milling machine. W. D. Archea. 1,981,216; Nov. 20.
Milling machine. W. D. Archea. 1,985,255; Dec. 25.
Milling machine. J. B. Armitage. 1,967,733; July 24.
Milling machine. A. F. Bennett. 1,959,329; May 22.
Milling machine. M. De Haas and D. O. Lawless. 1,961,129; June 5.
Milling machine. E. J. Fournier. 1,945,146; Jan. 30.
Milling machine. N. M. Marsilius. 1,959,435; May 22.
Milling machine. J. S. Montaine. 1,976,742; Oct. 16.
Milling machine. L. F. Nenninger. 1,961,522-4; June 5.
Milling machine. L. F. Nenninger. 1,965,252; July 3.
Milling machine. L. F. Nenninger. 1,972,828; Sept. 4.
Milling machine. L. F. Nenninger. 1,976,136; Oct. 9.
Milling machine. L. F. Nenninger and B. Sassen. 1,976,139; Oct. 9.
Milling machine. M. Romaine. 1,978,373; Oct. 23.
Milling machine. M. Romaine and W. D. Archea. 1,965,259; July 3.
Milling machine. M. Romaine and W. D. Archea. 1,978,374; Oct. 23.
Milling machine. M. Romaine and E. G. Roehm. 1,972,818; Sept. 4.
Milling machine. W. F. Smith. 1,972,633; Sept. 4.
Milling machine. E. D. Vancil and H. J. Dods. 1,985,434; Dec. 25.
Milling machine. C. W. Weiss. 1,985,753; Dec. 25.
Milling machine, Automatic. L. F. Nenninger and F. A. Hassman. 1,969,231; Aug. 7.
Milling machine, Automatic. L. F. Nenninger and F. A. Hassman. 1,978,353; Oct. 23.
Milling machine, Automatic pattern controlled. B. Sassen and H. Ernst. 1,978,389; Oct. 23.
Milling machine organization. F. A. Parsons. 1,966,967; July 17.
Milling machine structure. L. F. Nenninger. 1,972,827; Sept. 4.
Milling machine table transmission and control mechanism. J. B. Armitage. 1,966,158; July 10.
Milling machine transmission and control. J. B. Armitage. 1,968,276; July 31.
Milling machine transmission and control. J. B. Armitage. 1,969,393; Aug. 7.
Milling machine transmission and control. J. B. Armitage. 1,976,381; Oct. 9.
Milling machine transmission and control mechanism. J. B. Armitage. 1,966,699; July 17.
Milling machine transmission control mechanism. L. F. Nenninger and B. Sassen. 1,978,354; Oct. 23.
Milling machinery. W. D. Archea. 1,958,507; May 15.
Milling machinery. W. D. Archea. 1,961,123-4; June 5.
Milling machinery. W. D. Archea. 1,976,103-4; Oct. 9.
Milling process. T. Earle. 1,983,273; Dec. 4.
Milling tool. C. D. Hellyer. 1,954,241; Apr. 10.
Milling tool. C. Le May. 1,972,022; Aug. 28.
Mills, Apparatus for rod. E. W. Larsen. 1,960,017; May 22.
Mills, Attachment for rolling. S. T. Moreland. 1,972,158; Sept. 4.
Millivoltmeter. K. M. Lederer. 1,958,006; May 8.
Mincer, Electric. G. S. Foster. 1,951,826; Mar. 20.
Mine car brake. P. J. Dhein. 1,942,806; Jan. 9.
Mine-car brake. H. W. Sanford. 1,947,361; Feb. 13.
Mine roof support. E. Ramsay. 1,946,034; Feb. 6.
Miner's lamp. O. Schneider. 1,947,022; Feb. 13.
Mining. L. S. Tracy. 1,960,932; May 29.
Mining apparatus. M. P. Holmes. 1,979,265; Nov. 6.
Mining apparatus. C. E. Osgood. 1,966,131; July 10.
Mining apparatus. C. F. Osgood. 1,981,745-6; Nov. 20.
Mining, Apparatus for. J. C. McDermott. 1,965,043; July 3.
Mining drill. F. W. Vodoz. 1,982,585; Nov. 27.
Mining machine. H. W. Driebeaus. 1,950,544; Mar. 13.
Mining machine. M. P. Holmes. 1,945,486; Jan. 30.
Mining machine. M. P. Holmes. 1,968,769; July 31.
Mining machine. M. P. Holmes. 1,979,266; Nov. 6.
Mining machine. F. A. Lindgren. 1,950,737; Mar. 13.
Mining machine. F. A. Lindgren. 1,984,487; Dec. 18.
Mining machine. W. A. Logan. 1,979,694; Nov. 6.
Mining machine. W. T. McCullough. 1,943,832; Jan. 16.
Mining machine. E. F. Muller. 1,946,634; Feb. 13.
Mining machine. C. F. Osgood. 1,968,054; July 31.
Mining machine. C. A. Pratt. 1,971,795; Aug. 28.
Mining machine. C. A. Pratt. 1,979,050; Oct. 30.
Mining machine. F. W. Vodoz. 1,950,707; Mar. 13.
Mining machine. F. W. Vodoz. 1,951,540; Mar. 20.
Mining machine. F. W. Vodoz. 1,968,107; July 31.
Mining machine bit and holder. E. P. Stenger and A. O. Bruestle. 1,953,899; Apr. 3.
Mining machines. M. P. Holmes. 1,981,106; Nov. 20.
Mining streams. E. Mallory. 1,984,802; Dec. 18.
Mineral absorbents, Revivifying. G. R. Lewers. 1,943,976; Jan. 16.
Mineral bearing particles, Apparatus for roasting. B. A. Stimmel. K. D. McBean, and G. Cruickshank. 1,963,282; June 19.
Mineral matter, Dispersion of. O. D. Neltzke. 1,981,522; Nov. 20.
Mineral oil separation. L. D. Jones. 1,953,939; Apr. 10.
Mineral product and making the same, Colored. P. Maynard. 1,944,294; Jan. 23.
Mineral separator. C. Koch. 1,951,795; Mar. 20.
Minerals and similar materials, Pulverizing. N. H. Andrews and W. J. Willoughby. 1,948,609; Feb. 27.
Minerals, Concentration of. G. A. Chapman and J. W. Littleford. 1,968,008; July 24.
Minerals, Concentration of oxidized. R. E. Sayre. 1,972,247; Sept. 4.
Minnow, Metal. C. T. Pfueger. 1,948,005; Feb. 20.
Minnow trap. A. E. McPike. 1,976,134; Oct. 9.
Mirror. S. Peters. 1,957,847; May 8.
Mirror. F. Winkler, E. Hochheim, and F. Bergmann. 1,982,774; Dec. 4.
Mirror. R. E. Wisehaupt. Des. 93,261; Sept. 4.
Mirror and clock, Combination rear vision. E. L. Vail. 1,985,873; Dec. 25.
Mirror and clock, Combined rear vision. W. La Hodny. 1,975,158; Oct. 2.
Mirror and directing mechanism therefor, Focusing. R. H. Goddard. 1,951,404; Mar. 20.
Mirror and folding ironing board, Combination. E. S. Shingle. 1,949,845; Mar. 6.
Mirror and instrument, Combined. W. La Hodny. 1,948,222; Feb. 20.
Mirror and instrument, Combined. W. La Hodny. 1,975,277; Oct. 2.
Mirror and lip stick holder, Combination. R. C. d'Andria. Des. 92,235; May 15.
Mirror and making it. G. F. and W. H. Colbert. 1,942,686; Jan. 9.
Mirror and time piece, Combined. W. La Hodny. 1,975,159; Oct. 2.
Mirror attachment for automobiles. H. A. Luthringshausen and I. Pine. 1,985,179; Dec. 18.
Mirror attachment, Illuminated. J. A. Hoegger. 1,948,112; Feb. 20.
Mirror bracket, Rear-vision. H. J. Sauer. 1,972,246; Sept. 4.
Mirror, Color-filter. P. Schlumbohm. 1,951,213; Mar. 13.
Mirror for folding windshield stanchions, Rear view. W. Paulus. 1,956,518; Apr. 24.
Mirror for motor cars, Rear vision. W. J. Hunter, sr. 1,962,597; June 12.
Mirror, Hand. W. La Hodny and G. C. Hoff. Des. 92,661; July 3.
Mirror, Hand. W. La Hodny and G. C. Hoff. Des. 93,560; Oct. 9.
Mirror, Hand. W. La Hodny and G. C. Hoff. Des. 93,874; Nov. 20.
Mirror, Hand. W. La Hodny and G. C. Hoff. Des. 93,876; Nov. 20.
Mirror, Illuminated. R. J. Herbold. 1,968,342; July 31.
Mirror, Illuminated. R. Ring. Des. 92,427; June 5.
Mirror, Illuminated make-up. R. Ring, W. L. Pereira, and J. Horseley. Des. 91,636; Feb. 27.
Mirror, Illuminated make-up. J. S. Sherman. Des. 92,272; May 15.
Mirror, Illuminating. E. M. McIlwee. 1,973,908; Sept. 18.
Mirror, Magnetically oscillated. T. Lindenberg, jr. 1,975,280; Oct. 2.
Mirror, Make-up. W. F. Mowry. 1,961,238; June 5.
Mirror, Make-up. O. C. Ritz-Woller. Des. 94,049-51; Dec. 11.
Mirror, Metal. I. S. Crocker. 1,953,796; Apr. 3.
Mirror, Metal protected. S. C. Langdon. 1,977,639; Oct. 23.
Mirror or like framed article. T. M. Keefe. 1,966,505; July 17.
Mirror or the like, Hand. C. H. Lawrence. Des. 91,668-9; Mar. 6.
Mirror or the like, Hand. C. H. Lawrence. Des. 93,278; Sept. 11.
Mirror or the like, Rear view. G. A. Johnson. Des. 93,621; Oct. 16.
Mirror, Pedestal. W. La Hodny and G. C. Huff. Des. 93,875; Nov. 20.
Mirror, Pedestal. W. La Hodny and G. C. Hoff. Des. 93,877; Nov. 20.
Mirror, Rear view. C. Atwood. 1,961,895; June 5.
Mirror, Rear view. H. Hueber. 1,952,863; Mar. 27.
Mirror, Rear view. E. V. Schaal. 1,972,320; Sept. 4.
Mirror, Rear view. J. E. Wrightsman. 1,977,904; Oct. 23.
Mirror, Rear view. F. W. Zink. 1,980,149; Nov. 6.
Mirror, Rear view automobile. W. H. Colbert. Des. 92,837; July 24.
Mirror set for automobiles, Combination rear view. J. Fotakis. 1,964,626; June 26.
Mirror support. B. J. Swanson. 1,951,583; Mar. 20.
Mirror supporting device. A. J. Gaines. 1,984,676; Dec. 18.
Mirror, Tinted toilet. P. Schlumbohm. 1,951,214; Mar. 13.
Mirror, Traffic. C. L. Clark. 1,962,807; June 12.
Mirror, Transparent, prismatic. W. J. Bell. 1,949,138; Feb. 27.
Mirror, Vanity make-up. L. Guild. Des. 91,820; Mar. 27.
Mirror visor or shield, Rear view. W. Allam. 1,971,333; Aug. 28.
Mirrored display stand. S. Lapin and B. M. Korn. Des. 93,277; Sept. 11.
Mirrors, Making ornamental. M. H. Harmon. 1,971,261; Aug. 21.
Mirrors, Manufacturing ornamental. F. D. Cheney. 1,961,335; June 5.
Missile projector for game boards. H. Casler. 1,948,784; Feb. 27.
Miter box. A. L. Stowell. 1,952,518; Mar. 27.
Miter box. B. L. Wilcox. 1,957,239; May 1.
Miter box and saw guide. F. Smetak. 1,949,261; Feb. 27.

- Miter gauge. W. J. Merrigan. 1,985,614; Dec. 25.
 Mitering machine. H. B. Rouse. 1,980,502; Nov. 13.
 Mitt, Finger. E. J. Rainey. 1,964,769; July 3.
 Mitten and making the same, Knitted. D. Zwicker. 1,941,508; Jan. 2.
 Mixer: See—
 Asphalt mixer. Paint mixer.
 Cement mixer. Power mixer.
 Concrete mixer. Sand mixer.
 Drink mixer. Transit concrete mixer.
 Electric mixer. Truck mixer.
 Fluid mixer. Water mixer.
 Fuel mixer.
 Mixer. A. H. and P. R. Adams. 1,977,419; Oct. 16.
 Mixer. S. Alsop. 1,981,215; Nov. 20.
 Mixer. G. B. Eggert. 1,978,490; Oct. 30.
 Mixer. W. L. and G. F. Roy. Des. 92,210; May 8.
 Mixer. F. B. Totman and L. P. Morris. 1,953,279; Apr. 3.
 Mixer and beater. C. P. Werner. 1,984,557; Dec. 18.
 Mixer and dispenser, Drink. H. L. Blum. 1,956,788; May 1.
 Mixer and support, Portable food. E. Mross. 1,970,811; Aug. 21.
 Mixer batchmeter and timing gear control, Tandem. E. H. Lichtenberg. 1,962,960; June 12.
 Mixer for hot and cold water, Automatic. R. Trubert. 1,943,705; Jan. 16.
 Mixer for road materials. A. W. Bollard. 1,969,545; Aug. 7.
 Mixing and juice extracting machine. H. C. Wright. 1,984,619; Dec. 18.
 Mixing and reducing apparatus. T. Robinson. 1,977,955; Oct. 23.
 Mixing apparatus. G. H. Haines. 1,962,642; June 12.
 Mixing apparatus. J. E. Jewett. 1,947,851; Feb. 20.
 Mixing apparatus. R. C. Newhouse. 1,947,487; Feb. 20.
 Mixing apparatus. A. G. Reed. 1,945,868; Feb. 6.
 Mixing apparatus and control valve for use therein. H. Haven. 1,985,570; Dec. 25.
 Mixing device. W. M. Rolph. 1,948,431; Feb. 20.
 Mixing device for fuel oil burners. W. A. Hallgarth. 1,964,942; July 3.
 Mixing device for gases carrying solid particles. R. M. Hardgrove. 1,941,471; Jan. 2.
 Mixing implement. M. Rabb. 1,960,089; May 22.
 Mixing machine. F. J. Bullock. 1,958,939; May 15.
 Mixing machine. D. D. Crandell and R. Neher. 1,967,291; July 24.
 Mixing machine. G. W. Dell. 1,955,413; Apr. 17.
 Mixing machine. L. J. Parker. 1,965,905; July 10.
 Mixing machine. A. J. Sackett. 1,960,030; May 22.
 Mixing machine. L. E. Werner. 1,982,847; Dec. 4.
 Mixing machine turntable. P. J. Fitzgerald. 1,967,465; July 24.
 Mixing pump. C. L. Rayfield. 1,967,260; July 24.
 Mixing valve. V. D. Hennessey. 1,943,865; Jan. 16.
 Mixing valve. E. F. Niedecken. 1,943,140; Jan. 9.
 Mixing valve. F. D. and H. Fleming, Jr. 1,984,595; Dec. 18.
 Mixing valve, Hot and cold water. D. F. and J. E. Kumpman. 1,945,645-6; Feb. 6.
 Mixing valve, Thermostatically controlled. J. A. Hoeger, Jr. 1,972,562; Sept. 4.
 Mixing valve, Thermostatically regulated. M. M. Phillips and A. P. Schaefer. 1,984,892; Dec. 18.
 Mixture of oil gas and water gas, Producing a. H. G. Terzian. 1,963,811; June 19.
 Mixture of spirit and water, Producing stabilized. F. Musset. 1,973,320; Oct. 23.
 Mixture of vat dyestuffs. R. Rüschi. 1,965,537; July 3.
 Mixtures of alkali metal nitrates with ammonium chloride, Separation of. F. Nessler. 1,967,897; July 24.
 Mixtures of hydrocarbons and their derivatives, Fractionating. J. W. Poole. 1,965,392; July 3.
 Mixtures of isomeric 1,4,5,8-naphthylene-diarylimidazoles and new dyestuff obtained thereby, Separating the. W. Eckert, E. Fischer, and O. Braunsdorf. 1,982,861; Mar. 27.
 Mixtures of phenols into their components, Resolution of. W. H. Bentley and B. Catlow. 1,980,901; Nov. 13.
 Mixtures of solids and mixtures existing under high pressure, Releasing the pressure of. C. F. R. Harrison and S. Labrow. 1,961,879; June 5.
 Moccasin. R. M. Anderson. 1,959,892; May 22.
 Moccasin. L. S. and G. E. Rice, and I. L. Johnson. 1,943,743; Jan. 16.
 Model, Anatomical. E. Klemperer. 1,951,422; Mar. 20.
 Model selector and style indicator. B. B. Rochlus. 1,966,971; July 17.
 Model, Traffic position-indicating. J. C. Hylander. 1,973,900; Sept. 18.
 Models of building structures, Apparatus used in the formation of. O. Gottschalk. 1,980,332; Nov. 13.
 Modernistic violin. A. Grosjean. Des. 92,900; July 31.
 Modulating motor. P. F. Shivers. 1,962,620; June 12.
 Modulating system. R. M. Heintz. 1,955,126; Apr. 17.
 Modulating system. R. M. Heintz. 1,983,172; Dec. 4.
 Modulating system. D. E. Replogle. 1,967,041; July 17.
 Modulating system for ultra-short wave signaling. A. G. Clavier. 1,962,582; June 12.
 Modulation. J. Rohnfeld. 1,978,693; Oct. 30.
 Modulation. G. L. Usselman. 1,983,715; Dec. 11.
 Modulation from a modulated wave, Removing. R. S. Ohl. 1,976,457; Oct. 9.
 Modulation meter. J. D. Booth. 1,979,669; Nov. 6.
 Modulation, Method and apparatus for the measurement of. J. D. Wallace. 1,960,256; May 29.
 Modulation system. R. D. Duncan, Jr. 1,945,630; Feb. 6.
 Modulation system. R. Gunn. 1,966,065; July 10.
 Modulation system. B. G. Lake. 1,950,410; Mar. 13.
 Modulation system. T. Nakashima and K. Takayanagi. 1,953,769; Apr. 3.
 Modulation system. E. S. Purington. 1,984,156; Dec. 11.
 Modulator, Single sideband. A. G. Tynan. 1,963,726; June 19.
 Moistener. E. W. Pike, sr. Des. 93,734; Oct. 30.
 Moistener for gummed tape and label machines. T. H. Krueger. 1,962,722; June 12.
 Moistening device. H. W. Harrington. 1,942,813; Jan. 9.
 Moistening machine. J. A. Adell. 1,972,071; Sept. 4.
 Moisture and dust eliminator for gas washers. H. Bleibtren and A. J. Ebner. 1,950,020; Mar. 6.
 Moisture determining apparatus. S. Stanworth. 1,976,752; Oct. 16.
 Moisture extraction apparatus. H. L. Galson. 1,943,793; Jan. 16.
 Moisture from an aeriform body, Abstracting. E. O. Barstow and S. B. Heath. 1,952,406; Mar. 27.
 Moisture indicating device. G. E. Platzer. 1,961,012; May 29.
 Moistureproof material and making same. W. H. Charch. 1,962,338; June 12.
 Moistureproof material and making same. W. H. Charch, W. L. Hyden, and J. C. Siemann. 1,972,869; Sept. 11.
 Mokum. D. D. Williams. 1,942,463; Jan. 9.
 Molasses feed, Manufacturing. A. H. Schmidt. 1,945,918; Feb. 6.
 Molasses gate. A. W. Ritter. 1,974,083; Sept. 18.
 Molasses, Manufacture of powdered. T. Black and J. Drew. 1,983,434; Dec. 4.
 Mold: See—
 Cement mold. Sausage mold.
 Cheese mold. Slug casting mold.
 Coating mold. Stripping mold.
 Confection mold. Temperature construction mold.
 Ham mold. Tire curing mold.
 Ice cream mold. Tire mold.
 Ingot mold. Tire vulcanizing mold.
 Line casting mold. Typographical mold.
 Linerless mold. Vented mold.
 Permanent mold. Vibrating centrifugal mold.
 Pressure mold.
 Rail welding mold.
 Mold. J. F. Kelly. 1,965,242; July 3.
 Mold. A. J. Martin, C. F. Fleming, and J. L. Havins. 1,975,330; Oct. 2.
 Mold. M. P. H. L. Raepsaet. 1,966,560; July 17.
 Mold. F. D. Snell. 1,959,179; May 15.
 Mold. H. N. Todt. 1,973,550; Sept. 11.
 Mold. J. D. Warren. 1,948,146; Feb. 20.
 Mold actuating mechanism. J. E. Pointon and L. S. Harber. 1,948,870; Feb. 27.
 Mold and method of casting. E. G. Fahlman. 1,982,423; Nov. 27.
 Mold and method of casting metal. E. G. Fahlman. 1,982,424; Nov. 27.
 Mold and molding material, Plastic. H. W. Daubenmeyer. 1,983,602; Dec. 11.
 Mold-cap filler bar for intertype casting machines. W. A. George. 1,959,914; May 22.
 Mold charge delivery apparatus. G. E. Rowe. 1,976,194; Oct. 9.
 Mold charge guiding means for glass feeding apparatus. W. T. Barker, Jr. 1,950,339; Mar. 6.
 Mold-clamping device. M. Guyot. 1,961,213; June 5.
 Mold control mechanism, Low quad. A. H. Beck and F. C. Botz. 1,958,809; May 15.
 Mold filling machine, Power. R. J. Evans. 1,978,744; Oct. 30.
 Mold for artificial stone steps. J. J. Scheel. 1,984,087; Dec. 11.
 Mold for artificial teeth. G. H. Whiteley. 1,950,872; Mar. 13.
 Mold for casting ferrous metals. A. Walcher. 1,965,949; July 10.
 Mold for casting gas burners. G. A. Huetteman. 1,952,500; Mar. 27.
 Mold for casting of pipes of cementitious material. E. H. Bishop. 1,983,117; Dec. 4.
 Mold for casting zinc slabs. M. A. McCreary and W. B. Porter. 1,943,026; Jan. 9.
 Mold for castings of iron and nonferrous metals. M. Heusser. 1,951,911; Mar. 20.
 Mold for food products. J. L. Biggs. 1,950,772; Mar. 13.
 Mold for forming apertures in concrete construction. E. L. Chambliss, Jr., and E. H. Obernier. 1,954,788; Apr. 17.
 Mold for glassware. L. Poglein. 1,969,577; Aug. 7.
 Mold for ice cream and the like. J. A. Ueding, Jr. 1,957,865; May 8.
 Mold for inner tubes and the like, Vulcanizing. P. De Mattia. 1,977,118; Oct. 16.
 Mold for lenses. J. L. Koubek. 1,976,350; Oct. 9.
 Mold for making edible bottles and filling the same. C. G. Hall. 1,943,384; Jan. 16.
 Mold for manufacturing ornaments. B. Mechlovits. 1,982,877; Dec. 4.
 Mold for net leads. C. A. Hanson. 1,981,103; Nov. 20.
 Mold for producing type carriers or shuttles for typewriting machines. C. A. Fuchs. 1,963,125-6; June 19.

- Mold for the manufacture of concrete blocks. J. F. O'Rourke. 1,976,627; Oct. 9.
- Mold for the manufacture of three-pocket ice cream cones. J. Balton. 1,980,740; Nov. 13.
- Mold form structure. S. C. Awbrey. 1,943,361; Jan. 16.
- Mold forming machine. G. F. Yager and O. J. Heath. 1,985,360; Dec. 25.
- Mold liner adapter for line casting machines. D. L. Anderson. 1,974,397; Sept. 18.
- Mold of typographical line casting machines. H. W. Meachin and R. H. Scott. 1,952,815; Mar. 27.
- Mold press for cigar machines. V. J. Wahlstrom. 1,977,976; Oct. 23.
- Mold transferring mechanism. L. P. Piazzoli, jr. 1,942,832; Jan. 9.
- Moldable composition. M. Omansky. 1,969,146; Aug. 7.
- Moldable composition and its product. H. L. Bender. 1,944,143; Jan. 16.
- Molded article. B. Bedford. 1,952,529; Mar. 27.
- Molded article. M. Goldberg. 1,961,824; June 5.
- Molded article. C. A. Nash. 1,942,874; Jan. 9.
- Molded article and producing same. Cold. C. A. Herbst. 1,966,094; July 10.
- Molded article, Flexible. C. Bateholts. 1,958,841; May 15.
- Molded articles from plastic materials, Making. J. H. Clarke. 1,949,072; Feb. 27.
- Molded articles, Making. B. Bedford. 1,952,528; Mar. 27.
- Molded articles, Making flashless. H. Z. Cobb. 1,978,985; Oct. 30.
- Molded articles, Manufacture of. J. H. Reilly. 1,979,012; Oct. 30.
- Molded articles of builders' hardware, Reenforced. J. H. Weller. 1,942,525; Jan. 9.
- Molded compositions from asbestos, Producing. D. Wolochow. 1,962,577; June 12.
- Molded dielectric condenser. W. M. Bailey. 1,943,715; Jan. 16.
- Molded object. F. A. Parkhurst. 1,981,810; Nov. 20.
- Molded products, Preparing. H. S. Holt. 1,978,533; Oct. 30.
- Molder for microscopes. H. Plies. 1,941,753; Jan. 2.
- Molding. D. F. Twiss and E. A. Murphy. 1,978,481; Oct. 30.
- Molding. L. L. Williams. 1,958,527; May 15.
- Molding apparatus. A. P. Bartusch. 1,959,894; May 22.
- Molding apparatus. J. W. Brundage. 1,971,849; Aug. 28.
- Molding apparatus. C. L. Keller. 1,984,307; Dec. 11.
- Molding apparatus. L. J. Mazoyer. 1,977,801; Oct. 23.
- Molding apparatus. F. Ricks and E. F. Townsend. 1,961,596; June 5.
- Molding apparatus for bread rolls and the like, Final. J. L. Raith. 1,945,073; Jan. 30.
- Molding apparatus for hollow concrete structures. W. Kleitz. 1,958,049; May 8.
- Molding apparatus, Semipermanent. H. Emery, A. Irvine, and A. T. Bateman. 1,948,653; Feb. 27.
- Molding, Centrifugal. H. M. Naugle and A. J. Townsend. 1,957,718; May 8.
- Molding composition, Hot. O. A. Cherry. 1,982,787; Dec. 4.
- Molding compositions, including a fibrous filler and an organic binder, Treating plastic. L. T. Richardson. 1,944,464; Jan. 23.
- Molding device for casting machines. A. D. Lund. 1,959,484; May 22.
- Molding, Electrical outlet. M. Cohen. 1,945,731; Feb. 6.
- Molding for pieces of furniture. G. J. Pike. Des. 92,553; June 19.
- Molding for pieces of furniture. G. J. Pike. Des. 92,555; June 19.
- Molding for pieces of furniture. G. J. Pike. Des. 92,557-8; June 19.
- Molding frame, Dental universal. W. Reiffel. 1,972,238; Sept. 4.
- Molding machine. L. N. Baenziger. 1,950,284; Mar. 6.
- Molding machine. N. J. du Donjon. 1,948,205; Feb. 20.
- Molding machine. J. Flammang and P. L. Bowser. 1,952,199; Mar. 27.
- Molding machine. G. H. Hasebrodt. 1,943,477; Jan. 16.
- Molding machine. C. V. Jähle. 1,955,500; Apr. 17.
- Molding machine. E. F. Oyster. 1,957,287; May 1.
- Molding machine. W. E. Rahm. 1,944,571; Jan. 23.
- Molding machine. C. G. Schmitt. 1,953,978; Apr. 10.
- Molding machine. E. M. Staples. 1,979,581; Nov. 6.
- Molding machine. G. F. Yager and O. J. Heath. 1,966,941; July 17.
- Molding material and molded articles and making the same. A. Bichengrün. 1,980,326; Nov. 13.
- Molding means for concrete staves. S. G. Martin. 1,985,575; Dec. 25.
- Molding, Metallic. A. C. Goddard. 1,955,181; Apr. 17.
- Molding, Method of and apparatus for. E. J. Byerlein. 1,957,246; May 1.
- Molding mixtures and molded articles therefrom, Preparing. E. Elbel and O. Süssenguth. 1,963,579; June 19.
- Molding or reveal, Outside. C. H. Widman. 1,980,023; Nov. 6.
- Molding preparation and molded article. C. A. Houck and F. J. Moore. 1,959,718; May 22.
- Molding press. W. H. and J. Daniels. 1,957,421; May 1.
- Molding press. J. Derry. 1,982,576; Nov. 27.
- Molding press. L. W. Hottel. 1,970,171; Aug. 14.
- Molding press, Automatic hydraulic. R. C. Bickerstaff. 1,954,036; Apr. 10.
- Molding process. E. O. Norman. 1,976,626; Oct. 9.
- Molding strip. J. B. Zimmers. 1,972,283; Sept. 4.
- Molding strip for upholstery. A. L. Howard. 1,955,187; Apr. 17.
- Moldings and shaped sections from fiber boards, wood pulp boards, crushed cane boards, beaver boards, and the like, Process and apparatus for the manufacture of. J. Rogerson. 1,979,905; Nov. 6.
- Moldings of partially cured phenolic condensation products, Apparatus for treating. F. S. Smith. 1,960,717; May 29.
- Molds, Apparatus and method for indicating defective. O. E. Andrus. 1,979,786; Nov. 6.
- Molds, Apparatus for coating centrifugal pipe. H. S. Hunt and P. L. Arnold. 1,971,376; Aug. 28.
- Molds, Cleaning. J. F. Anderson, W. J. Strong, and M. F. Torrence. 1,950,208; Mar. 6.
- Molds, Lining. R. W. Erdle and C. H. Prange. 1,956,278; Apr. 24.
- Molds, Making. J. W. Harding. 1,960,583; May 29.
- Molds, Making. O. J. Kuhlke. 1,944,744; Jan. 23.
- Molds, Making. L. B. Sebrell. 1,958,072; May 8.
- Molds, Making. W. H. Walter. 1,942,583; Jan. 9.
- Molds, Manufacturing. E. Brill. 1,967,740; July 24.
- Molds, Treating. C. E. Maynard. 1,969,937; Aug. 14.
- Molds used for the vulcanization of rubber articles, Cleaning metal. W. H. Chandler. 1,952,417; Mar. 27.
- Mole, Apparatus for exterminating the ground. T. J. Glover. 1,953,677; Apr. 3.
- Molecular compounds of the salts of phenyl-quinaline carboxylic acids with alkylated pyrazolones and alkylated amino-pyrazolones, Producing of. O. and R. Adler. 1,954,909; Apr. 17.
- Molecular vacuum pump. J. Dubrovin. 1,942,139; Jan. 2.
- Molten baths, Protection of. J. S. Gummert and J. E. Hutchinson. 1,970,136; Aug. 14.
- Molten material, Casting. P. L. J. Miguet and M. P. Perron. 1,961,063; May 29.
- Molybdenum from substances containing molybdenum or its compounds, Recovery of. J. Giesen and E. Peukert. 1,944,420; Jan. 23.
- Molybdenum, Recovery of. E. Pokorny. 1,952,459; Mar. 27.
- Money delivering device. G. Tauschek. 1,976,585; Oct. 9.
- Money exchange protecting device. J. M. Handley. 1,951,929; Mar. 20.
- Money handling machine. E. J. Brandt. 1,944,313; Jan. 23.
- Money receptacle. T. D. Gomi. 1,972,480; Sept. 4.
- Monitoring system, Automatic. J. H. Hammond, jr. 1,979,035; Oct. 30.
- Monitoring system for push-pull amplifier. J. H. Hammond, jr. 1,979,036; Oct. 30.
- Monochrome and polychrome printing. K. Albrecht. 1,949,001; Feb. 27.
- Monoethers of glycols, Preparation of. K. R. Edlund. 1,968,032; July 31.
- Monogram. M. Chernow. 1,942,240; Jan. 2.
- Mono-hydroxyphenyl methyl amino-ethanols-1, Manufacturing optically active. H. Legerlotz. 1,954,389; Apr. 10.
- Monument. B. E. Goldberg. Des. 94,128; Dec. 25.
- Monument, Cemetery. R. A. Hull. 1,982,432; Nov. 27.
- Mooring apparatus. R. C. Lamond. 1,952,504; Mar. 27.
- Mop. A. H. Edwards. 1,977,473; Oct. 16.
- Mop. C. Fatland. 1,949,461; Mar. 6.
- Mop. C. Fatland. 1,966,890; July 17.
- Mop. E. A. Hale. 1,957,641; May 8.
- Mop. O. Halpern. 1,948,212; Feb. 20.
- Mop. W. A. Lamkey. 1,958,629; May 15.
- Mop. J. P. Ryan. 1,974,471; Sept. 25.
- Mop. S. Schulman. 1,947,312; Feb. 13.
- Mop, Detachable. A. Holtzman. 1,942,552; Jan. 9.
- Mop, Dish. A. T. Zontmyer. 1,962,675; June 12.
- Mop, Dust. L. C. Kellogg. 1,969,800; Aug. 14.
- Mop, Electrically operated. L. E. Mattoon. 1,963,139; June 19.
- Mop for use with vacuum cleaners. T. S. Hooks. 1,978,579; Oct. 30.
- Mop handle. G. K. Forbes and F. A. Speik. 1,982,910; Dec. 4.
- Mop holder. V. S. Firestone. 1,959,949; May 22.
- Mop holder. E. P. Hicks. 1,967,466; July 24.
- Mop holder. S. L. Toplitz. 1,960,720; May 29.
- Mop, Oil. H. Hertzberg. 1,950,674; Mar. 13.
- Mop, Rotatable. A. Martinson. 1,958,382; May 8.
- Mop, Self cleaning dust. A. B. Courchene. 1,942,204; Jan. 2.
- Mop squeezing device. E. Pavet. 1,946,637; Feb. 13.
- Mopstick. W. A. Smith. 1,968,622; July 31.
- Mop, Two-way. E. L. Gregory. 1,978,743; Oct. 30.
- Mop wringing device. C. Hufford. 1,965,342; July 3.
- Morphine derivative and its preparation. L. F. Small. 1,980,972; Nov. 13.
- Mortician's lamp. R. E. Snyder. 1,981,375; Nov. 20.
- Mortised lock. G. W. Alden. 1,961,187; June 5.
- Mosaic, Making imitation. E. A. Corbin, Jr., and E. W. Wolf. 1,975,926; Oct. 9.
- Note guide, Adjustable. J. A. Streun. 1,962,332; June 12.
- Moth bag. E. A. Lewis. 1,981,558; Nov. 20.
- Moth exterminator. G. G. Terris. Des. 94,005; Dec. 4.
- Mothproofing agent. H. Stötter and T. Hermann. 1,955,207; Apr. 17.

- Mothproofing media. W. Schepss and M. Hardtmann. 1,975,408; Oct. 2.
- Moth-protecting media. J. Huismann and H. Schweitzer. 1,962,276; June 12.
- Moth repeller. M. J. Fessler. 1,954,765; Apr. 10.
- Moths, Exterminating. J. E. Smith. 1,982,358; Nov. 27.
- Motion at a distance, Method and apparatus for producing governed. D. J. Angus. 1,948,092; Feb. 20.
- Motion, Device for transmitting intermittent. A. E. Hine. 1,976,226; Oct. 9.
- Motion device, Parallel. J. Y. Dreisonstok, E. J. Aiken, and E. B. Baldwin. 1,978,417; Oct. 30.
- Motion of mechanical devices, System for damping the. A. V. Bedford. 1,947,544; Feb. 20.
- Motion picture apparatus. L. Goldhammer. 1,968,938; Aug. 7.
- Motion picture apparatus. E. L. Opperman. 1,969,474; Aug. 7.
- Motion picture film moving mechanism. J. Mihalyi. 1,969,471; Aug. 7.
- Motion picture gate. F. L. Brown. 1,943,366; Jan. 16.
- Motion picture projection machines, Fire preventive attachment for. A. E. Irons and D. S. Kepper. 1,969,134; Aug. 7.
- Motion picture reel. O. A. Ross. 1,942,186; Jan. 2.
- Motion-picture screen. A. L. Raven. 1,949,487; Mar. 6.
- Motion picture screen. A. L. Raven. 1,985,460-1; Dec. 25.
- Motion, Transmission of. G. S. Binkley. 1,966,537; July 17.
- Motion transmitting device. T. A. Hoffner. 1,957,340; May 1.
- Motion transmitting device, Intermittent. O. A. Schmitt. 1,983,570; Dec. 11.
- Motion transmitting mechanism. D. R. Kautz. 1,962,659; June 12.
- Motive and clock mechanism. R. H. Hough. 1,959,787; May 22.
- Motive forces on aircraft by the explosion of inflammable mixtures of substances, Producing. P. Schmidt. 1,983,406; Dec. 4.
- Motive power, Method of and apparatus for generating and applying. T. L. Hartman. 1,961,292; June 5.
- Motor: See—
- | | |
|----------------------------------|-------------------------------|
| Adjustable speed motor. | One pole motor. |
| All-phase motor. | Oscillatory motor. |
| Alternating current motor. | Outboard motor. |
| Asynchronous motor. | Pilger rolling mill motor. |
| Capacitor motor. | Pneumatic motor. |
| Circuit controlling motor. | Pneumatic rotary motor. |
| Clock motor. | Portable motor. |
| Compressed air motor. | Reciprocating electric motor. |
| Condenser induction motor. | Reciprocating motor. |
| Constant speed air motor. | Reversible induction motor. |
| Door motor. | Reversible motor. |
| Electric clock motor. | Reversible split phase motor. |
| Electric motor. | Rotary motor. |
| Electromagnetic vibratory motor. | Servo-motor. |
| Electrostatic motor. | Shaded pole induction motor. |
| Expansible chamber motor. | Speed capacitor motor. |
| Explosive motor. | Speed split phase motor. |
| Fluid motor. | Split cycle motor. |
| Fluid operated motor. | Spring motor. |
| Fluid pressure motor. | Steam or fluid motor. |
| Fly-wheel starting motor. | Submersible electric motor. |
| Geared motor. | Synchronous induction motor. |
| Heat motor. | Synchronous motor. |
| High-speed double-rotor motor. | Television motor. |
| Hydraulic motor. | V-type multicylinder motor. |
| Hysteresis clock motor. | Vacuum surrounded motor. |
| Induction motor. | Ventilated motor. |
| Internal combustion motor. | Water motor. |
| Linear induction motor. | Wave motor. |
| Magnetic motor. | Wind motor. |
| Marine motor. | Windshield cleaner motor. |
| Modulator motor. | |
| Multiphase motor. | |
| Multiple speed motor. | |
| Multispeed split phase motor. | |
- Motor. J. M. Anifero. 1,978,484; Oct. 30.
- Motor. R. A. Coffman. 1,946,309; Feb. 6.
- Motor. W. S. Elliott. 1,979,537; Nov. 6.
- Motor. C. A. Rall. 1,967,325; July 24.
- Motor. J. E. Smith. 1,952,733; Mar. 27.
- Motor analyzer. B. J. Haskins. 1,950,052; Mar. 6.
- Motor and clock, Electric. A. W. Haydon. 1,977,184; Oct. 16.
- Motor and compressor, Combined. C. Zorzi. 1,983,260; Dec. 4.
- Motor and compressor, Combined. C. Zorzi. 1,983,262; Dec. 4.
- Motor and control therefor. G. Muffy. 1,960,790; May 29.
- Motor and generator, Combined electrical. H. S. de Malausene. 1,970,498; Aug. 14.
- Motor and pump. W. E. Leibing. 1,968,694; July 31.
- Motor and system of controlling the same. H. I. Morris. 1,951,835; Mar. 20.
- Motor and the like, Electric. G. H. Leland. 1,951,877; Mar. 20.
- Motor apparatus, Electric. C. F. Wallace. 1,985,357; Dec. 25.
- Motor brake. A. Dewandre. 1,968,336; July 31.
- Motor cap and light casing for a suction cleaner or similar article, Combination. D. G. Smellie. Des. 92,043; Apr. 17.
- Motor commutator cleaner. F. G. Sanders. 1,962,412; June 12.
- Motor-compressor, Crankless. R. Witkiewicz and A. Wincski. 1,944,960; Jan. 30.
- Motor compressor, Electric. W. E. Shore. 1,973,019; Sept. 11.
- Motor-compressor unit. G. Andresen. 1,979,851; Nov. 6.
- Motor compressor unit. C. E. L. Lipman. 1,967,034-5; July 17.
- Motor-compressor unit. H. R. Van Deventer. 1,964,415; June 26.
- Motor compressor, Unitary. J. A. Warren. 1,949,505; Mar. 6.
- Motor construction. C. J. Coberly. 1,978,986; Oct. 30.
- Motor construction for deep well pumps, Submersible. J. B. Wade. 1,970,154; Aug. 14.
- Motor control. G. C. Brown. 1,983,656; Dec. 11.
- Motor control. D. S. Hulfish. 1,972,266; Sept. 4.
- Motor control, Electric. L. Heidmann. 1,963,268; June 19.
- Motor control, Electric. H. F. Jefferson and R. D. Given. 1,967,090; July 17.
- Motor control for hoists, System of. J. F. Schnabel. 1,968,174; July 31.
- Motor control for printing telegraph. H. L. Krum and A. H. Reiber. 1,972,303; Sept. 4.
- Motor control for refrigerated cars, Electric. C. F. King, jr. 1,985,639; Dec. 25.
- Motor control mechanism for electric clocks. A. W. Fowler. 1,960,533; May 29.
- Motor-control scheme. M. J. Brown. 1,955,322; Apr. 17.
- Motor control system. G. Brunner. 1,980,950; Nov. 13.
- Motor control system. G. Brunner. 1,984,915; Dec. 18.
- Motor control system. T. Buchhold. 1,980,951; Nov. 13.
- Motor control system. W. F. Eames. 1,966,239; July 10.
- Motor control system. W. Eastwood. 1,953,158; Apr. 3.
- Motor control system. J. Eaton. 1,968,639; July 31.
- Motor-control system. R. S. Elberty, jr. 1,976,487; Oct. 9.
- Motor control system. R. A. Geiselman. 1,962,344; June 12.
- Motor control system. P. B. Harwood. 1,981,547; Nov. 20.
- Motor control system. R. O. Wertz. 1,981,259; Nov. 20.
- Motor control system. E. Kern. 1,958,365; May 8.
- Motor control system. E. Kern. 1,960,818; May 29.
- Motor control system. F. E. Lewis. 1,962,355; June 12.
- Motor control system. K. Maertens, T. Kopeczynski, W. Reichel, and P. Weber. 1,962,316; June 12.
- Motor control system. A. A. Ponsonby. 1,947,059; Feb. 13.
- Motor control system. A. A. Ponsonby. 1,976,512; Oct. 9.
- Motor control system. E. W. Seeger and J. L. Defandorf. 1,968,358; July 31.
- Motor control system. P. Weiske and K. Rupprecht. 1,951,225; Mar. 13.
- Motor control system, Electric. H. J. Coates and C. W. Saunders. 1,971,769; Aug. 28.
- Motor control system, Electric. W. H. Neville. 1,942,185; Jan. 9.
- Motor control system for automatic poise devices. B. W. Jones. 1,952,171; Mar. 27.
- Motor control system for grinders and the like. G. E. Craiz and W. J. Walker. 1,985,719; Dec. 25.
- Motor control, System of. C. J. Axtell. 1,985,070; Dec. 18.
- Motor control, System of. G. H. Fletcher. 1,971,747; Aug. 28.
- Motor control, System of. C. R. Gilchrest. 1,959,052; May 15.
- Motor control, System of. C. E. Kilbourne. 1,947,266; Feb. 13.
- Motor control, System of. C. E. Kilbourne and T. Drier. 1,947,265; Feb. 13.
- Motor control, System of. G. B. Starie. 1,981,528; Nov. 20.
- Motor control system, Traction. F. Prantl. 1,948,770; Apr. 10.
- Motor controller. R. B. Hunter. 1,947,263; Feb. 13.
- Motor controller. E. Nielsen. 1,945,066; Jan. 30.
- Motor controller. E. W. Seeger and E. U. Lassen. 1,947,677; Feb. 20.
- Motor controller. C. Stansbury. 1,945,830 Feb. 6.
- Motor controller, Electric. R. G. Lockett. 1,975,234; Oct. 2.
- Motor controlling apparatus. R. Lee. 1,979,890; Nov. 6.
- Motor controlling device. A. F. Hanney. 1,955,382; Apr. 17.
- Motor controlling system, Safety. D. C. Wright. 1,958,404; May 8.
- Motorcycle. A. Lesage. 1,967,415; July 24.
- Motorcycle frame. K. Kanai. 1,978,312; Oct. 23.
- Motorcycle towing frame. M. E. Lewter. 1,954,361; Apr. 10.
- Motor device, Wave. C. A. Webber. 1,968,235-6; July 31.
- Motor drill. A. Gress. 1,956,740; May 1.
- Motor drive. F. L. Capps and J. O. Prescott. 1,958,564; May 15.
- Motor driven surf board. A. V. Hopkins. 1,945,435; Jan. 30.
- Motor driven unit. C. E. L. Lipman. 1,954,014; Apr. 10.
- Motor for bevel gear pivots for lower casings, Marine. H. L. Johnson. 1,943,323; Jan. 16.

- Motor for driving electrical clocks and the like, Synchronous. J. Gottlieb. 1,962,653; June 12.
- Motor for operating churns. J. Powell. 1,961,302; June 5.
- Motor for pressing machines, Safety. G. F. McDougall. 1,965,106; July 3.
- Motor for wells, Wind. R. Bachmann and E. Alliot. 1,942,081; Jan. 2.
- Motor for windshield wipers, Fluid. E. Police. 1,953,262; Apr. 3.
- Motor-generator assembly. E. W. Petersen. 1,978,688; Oct. 30.
- Motor in particular for talking machines, Synchronous. W. Rothe and F. Saar. 1,971,463; Aug. 28.
- Motor interference elimination system. F. Conrad. 1,969,779; Aug. 14.
- Motor light, Adjustable. A. T. Reeder and O. E. Munson. 1,961,248; June 5.
- Motor mechanism. W. S. Gubelmann. 1,971,680; Aug. 28.
- Motor mechanism, Electric. R. C. Shermund. 1,983,149; Dec. 4.
- Motor mechanism, Electric. F. van der Woude. 1,979,357; Nov. 6.
- Motor mechanism, Tandem. F. van der Woude. 1,979,425; Nov. 6.
- Motor operated valve. C. H. Beckwith. 1,943,854; Jan. 16.
- Motor propelling and steering mechanism for boats. E. H. Fahrney. 1,966,029; July 10.
- Motor speed control, Single phase electric. B. A. Wesche. 1,942,585; Jan. 9.
- Motor speed indicating and control device. J. F. Byrd. 1,980,907; Nov. 13.
- Motor speed reducer. R. C. Ball. 1,945,361; Jan. 30.
- Motor starter and control system. R. W. Goff. 1,980,796; Nov. 13.
- Motorstat. J. E. Golob. 1,982,051; Nov. 27.
- Motor structure. O. Thompson. 1,974,934; Sept. 25.
- Motor support. F. S. Kingston and B. L. Conley. 1,971,417; Aug. 28.
- Motor support. L. F. Kreger. 1,971,752; Aug. 28.
- Motor support and work table, Universal. H. J. McDevitt. 1,953,814; Apr. 3.
- Motor suspension for motor vehicles. W. H. C. Richman. 1,962,937; June 12.
- Motor thermal relay. H. E. Cobb. 1,947,078; Feb. 13.
- Motor truck wheel. P. M. Miller. 1,966,823; July 17.
- Motor unit, Electric. H. R. van Deventer and S. C. McKeown. 1,960,324; May 29.
- Motor unit for oil well pumps, Multiple. E. C. Ekstromer. 1,960,484; May 29.
- Motor vehicle assembly. H. C. Wanner. 1,970,156; Aug. 14.
- Motor vehicle brake. E. R. Evans. 1,946,135; Feb. 6.
- Motor vehicle brake. J. M. Milan. 1,958,922; May 15.
- Motor vehicle jack. W. Naturkacz. 1,977,524; Oct. 16.
- Motor vehicle jack. L. R. Sessions and J. B. Black. 1,984,766; Dec. 18.
- Motor-vehicle ventilator. R. A. Kyle. 1,975,958; Oct. 9.
- Motor vehicle wheel. R. B. Miller. 1,985,682; Dec. 25.
- Motor vehicle wheel tool. N. E. Davis. 1,975,773; Oct. 9.
- Motor wheel. P. M. Miller. 1,966,828; July 17.
- Motor with fluid actuated valve. F. Tolkien. 1,965,914; July 10.
- Motors for self-starting electric clocks. W. F. Bisley. 1,976,981; Oct. 16.
- Motors, Method of and apparatus for controlling electric. H. Wilson and C. Ritchie. 1,985,706; Dec. 25.
- Mount for aerial cameras and method of aerial photography. F. W. Lutz. 1,953,304; Apr. 3.
- Mount for air brake valves, Connecting. C. A. Campbell. 1,955,871; Apr. 24.
- Mount for containers. S. N. Leopold and H. K. Powell. 1,952,444; Mar. 27.
- Mount for electron discharge devices. S. M. Reed. 1,982,069; Nov. 27.
- Mount for electron discharge devices. D. Y. Smith. 1,974,086; Sept. 18.
- Mount for motors, Quick detachable. W. Railley. 1,942,834; Jan. 9.
- Mount for moving picture cameras. J. L. Spence, jr. 1,977,153; Oct. 16.
- Mount for pictures, Affixable corner. H. Hermann. 1,976,281; Oct. 9.
- Mount for pictures, photographs, and the like. F. Koster. 1,943,022; Jan. 9.
- Mount, Protective. M. De Groot. 1,956,527; Apr. 24.
- Mounting. T. Lord. 1,947,132; Feb. 13.
- Mounting, Adjustable leveler blade. R. G. Le Tourneau. 1,949,059; Feb. 27.
- Mounting, Air circulating fan. R. Sievert and M. J. Cordes. 1,976,897; Oct. 16.
- Mounting, Alternator. R. M. Heintz. 1,958,752; May 15.
- Mounting and assembly for sludge removing apparatus, Head shaft. S. Shafer, jr. 1,956,206; Apr. 24.
- Mounting and connector, Lamp-bulb. O. E. Wright. 1,975,820; Oct. 9.
- Mounting and drive to facilitate mower sharpening. E. Jenner. 1,967,939; July 24.
- Mounting and forming same, Ophthalmic. H. C. Rees. 1,950,747; Mar. 13.
- Mounting, Bearing. J. H. Baninger. 1,964,420; June 26.
- Mounting, Bearing. J. H. Baninger. 1,982,366; Nov. 27.
- Mounting, Bearing. E. H. Doughty. 1,965,407; July 3.
- Mounting, Bevel drive pinion. J. O. Almen. 1,961,323; June 5.
- Mounting block for gas analysis cells. J. H. Oetjen. 1,954,681; Apr. 10.
- Mounting, Blower. E. O. Kaup. 1,970,855; Aug. 21.
- Mounting, Bodily detachable resilient wheel. H. B. Hewitt. 1,953,482; Apr. 3.
- Mounting, Brake shoe. W. B. Sutherland. 1,965,162; July 3.
- Mounting, Car door. E. G. Busse. 1,950,783; Mar. 13.
- Mounting, Connecting rod. E. M. Tucker. 1,964,096; June 26.
- Mounting corner, Multiple. A. W. Engel. 1,976,607; Oct. 9.
- Mounting, Curtain rod. R. C. Vogt. 1,970,925; Aug. 21.
- Mounting, Desk set. I. D. Tefft. 1,956,084; Apr. 24.
- Mounting device. W. Schaake. 1,970,395; Aug. 14.
- Mounting device for electric fixtures. M. Koral. 1,958,051; May 8.
- Mounting device for spools in winding machines. E. Zindel. 1,959,606; May 22.
- Mounting device, Transparent. A. W. Engel. 1,968,674; July 31.
- Mounting, Diaphragm. R. E. Tolerton. 1,957,562; May 8.
- Mounting, Display card. W. E. Middleton. 1,959,923; May 22.
- Mounting, Door. O. L. Dautrick, G. H. Hufferd, J. E. Casse, and C. U. Stephens. 1,946,673; Feb. 13.
- Mounting, Door. C. E. Eklind and K. J. Tobin. 1,951,507; Mar. 20.
- Mounting, Door. J. C. Rogers. 1,979,210; Oct. 30.
- Mounting, Door handle. D. Miller. 1,976,263; Oct. 9.
- Mounting, Drive wheel. H. T. Youngren. 1,973,837; Sept. 18.
- Mounting, Edge glass. A. Grabelsky. 1,982,096; Nov. 27.
- Mounting, Engine. E. R. Gurney. 1,973,147; Sept. 11.
- Mounting, Engine. W. B. Nold. 1,947,489; Feb. 20.
- Mounting, Engine. R. C. Straube. 1,964,542; June 26.
- Mounting, Engine. B. A. Swennes. 1,943,849; Jan. 16.
- Mounting, Engine. A. Taub. 1,950,637; Mar. 13.
- Mounting, Engine. R. S. Trott. 1,975,810-11; Oct. 9.
- Mounting, Engine. R. S. Trott. 1,975,909-10; Oct. 9.
- Mounting, Engine. R. S. Trott. 1,976,701-2; Oct. 9.
- Mounting, Engine. R. S. Trott. 1,981,886; Nov. 27.
- Mounting, Engine. R. S. Trott. 1,982,593; Nov. 27.
- Mounting, Expulsion fuse. J. C. Rah. 1,958,496; May 15.
- Mounting, Eyeglass and spectacle. R. L. Dublin. 1,982,047; Nov. 27.
- Mounting, Faucet. R. S. Grogan. Des. 92,845; July 24.
- Mounting, Fly wheel. A. Kindelmann and E. Boecking. 1,949,478; Mar. 6.
- Mounting, Focusing lens. J. C. Sabel. 1,945,999; Feb. 6.
- Mounting for a flexible translucent motion picture screen. F. W. Jackman. 1,960,632; May 29.
- Mounting for article display purposes. W. F. Herold. Des. 92,399; June 5.
- Mounting for article display purposes. J. G. Hoeflich. Des. 92,400; June 5.
- Mounting for automotive vehicles, Engine. R. S. Trott. 1,982,594; Nov. 27.
- Mounting for circuit breakers. M. Mallory. 1,985,573; Dec. 25.
- Mounting for color filters. O. C. Gilmore. 1,958,618; May 15.
- Mounting for demountable appliances. G. L. Biggs. 1,962,230; June 12.
- Mounting for dressing devices for grinding wheels, Adjustable. H. L. Blood. 1,971,848; Aug. 28.
- Mounting for drilling mechanism. W. A. Smith, sr., and W. A. Smith, jr. 1,975,873; Oct. 9.
- Mounting for electric devices. G. R. Lum. 1,980,214; Nov. 13.
- Mounting for electrical devices. E. Soreny. 1,964,541; June 26.
- Mounting for electrical devices. E. Soreny. 1,984,998; Dec. 18.
- Mounting for excavating machines, Pneumatic. N. De Wind. 1,950,916; Mar. 13.
- Mounting for flexible type holding chases. F. H. Poepelmeier. 1,972,104; Sept. 4.
- Mounting for jewels or similar article. I. W. Norman. Des. 91,828; Jan. 9.
- Mounting for lathe centers, Antifriction. J. H. Baninger. 1,957,057; May 1.
- Mounting for machine guns and the like. G. Johnston. 1,953,080; Apr. 3.
- Mounting for machine guns carried by aircraft. C. A. Larsson and P. R. Higson. 1,947,528; Feb. 20.
- Mounting for metal window frames, Screen. T. Johnson. 1,943,868; Jan. 16.
- Mounting for mirrors. H. and S. Katzman. 1,956,173; Apr. 24.
- Mounting for motor vehicles, Independently sprung wheel. M. H. Carpenter and C. B. Kirkham. 1,943,721; Jan. 16.
- Mounting for nozzles and the like, Portable. J. T. Corley. 1,961,198; June 5.
- Mounting for oil burners. C. E. Shields. 1,983,318; Dec. 4.
- Mounting for oil burners, Silent. J. H. Van Sciver. 1,973,187; Sept. 11.
- Mounting for ranges or stoves, Service drawer. C. H. and R. F. Hoffstetter. 1,943,939; Jan. 16.
- Mounting for reamer cutters. F. L. Scott. 1,983,315; Dec. 4.
- Mounting for receptacles, Cover. J. F. Geibel. 1,959,051; May 15.

- Mounting for reflector units in signs. R. W. Luce. 1,979,695; Nov. 6.
- Mounting for rock drills. J. C. Curtis. 1,952,046; Mar. 27.
- Mounting for rock drills. J. H. Jowett and W. A. Smith, jr. 1,968,892; Aug. 7.
- Mounting for rotor shaft of variable condenser. S. Cohen. 1,984,464; Dec. 18.
- Mounting for sewing machines or the like, Resilient. C. S. Thompson. 1,948,193; Feb. 20.
- Mounting for shafts. F. G. Hughes. 1,956,237; Apr. 24.
- Mounting for sliding vehicle seats. M. P. Browne. 1,942,998; Jan. 9.
- Mounting for the steering road wheel or wheels of motor vehicles. O. D. North and P. G. Hugh. 1,972,354; Sept. 4.
- Mounting for transversal resonator. E. Giebe and A. Scheibe. 1,953,220; Apr. 3.
- Mounting for trucks and the like, Tailboard. E. J. Kneuer. 1,960,539; May 29.
- Mounting for tubing machines and the like, Feed roller. A. Potdevin. 1,975,122; Oct. 2.
- Mounting for vehicle doors and the like. B. C. Place. 1,949,581; Mar. 6.
- Mounting for wall switch boxes and similar receptacles, Adjustable. E. F. Kenna. 1,952,077; Mar. 27.
- Mounting for X-ray plates. A. W. McClean. 1,967,534; July 24.
- Mounting, Generator. W. H. Radford. 1,947,796; Feb. 20.
- Mounting, Grinding wheel. A. Cunningham. 1,954,560; Apr. 10.
- Mounting, Hot plate. W. Richardson. 1,943,144; Jan. 9.
- Mounting, Hub cap. D. L. Maker. 1,979,895; Nov. 6.
- Mounting, Impeller. A. Hollander. 1,980,337; Nov. 13.
- Mounting, Instrument. A. Soller. 1,967,483; July 24.
- Mounting, Interchangeable wheel. G. Walther, G. A. and H. Baker. 1,945,388; Jan. 30.
- Mounting, Lens. H. F. Shindel. 1,971,055; Aug. 21.
- Mounting, Loud speaker. G. G. Cromartie. 1,958,888; May 15.
- Mounting, Luminous tube. W. O. Prouty. 1,956,103; Apr. 24.
- Mounting means. H. A. Douglas. 1,975,355; Oct. 2.
- Mounting means. H. A. Douglas. 1,978,934; Oct. 30.
- Mounting means for aircraft sustaining rotors. A. E. Larsen. 1,982,113; Nov. 27.
- Mounting, Mirror. F. G. Steiner. 1,981,971; Nov. 27.
- Mounting, Motor. R. K. Lee. 1,957,218; May 1.
- Mounting, Motor. R. K. Lee and C. L. Humphrey. 1,944,248; Jan. 23.
- Mounting, Motor. H. Massé. 1,982,682; Dec. 4.
- Mounting, Motor. G. A. Stacey. 1,978,148; Oct. 23.
- Mounting, Motor and pump. T. Tafel, jr. 1,947,665; Feb. 20.
- Mounting, Muffler. H. F. Hadley. Re19,195; June 5.
- Mounting of brake anchors. A. B. Cadman. 1,947,756; Feb. 20.
- Mounting of objectives for use with cinematographs and like projectors. A. G. Joannides. 1,954,876; Apr. 17.
- Mounting of piezo-electric resonators. W. G. Cady. 1,954,238; Apr. 10.
- Mounting, Ophthalmic. N. M. Baker. 1,946,346; Feb. 6.
- Mounting, Ophthalmic. N. M. Baker. 1,966,025; July 10.
- Mounting, Ophthalmic. T. E. Bosworth. 1,953,922; Apr. 10.
- Mounting, Ophthalmic. S. E. Bouchard. 1,962,802; June 12.
- Mounting, Ophthalmic. R. R. Browning. 1,984,914; Dec. 18.
- Mounting, Ophthalmic. C. O. Cozzens. 1,964,811; July 3.
- Mounting, Ophthalmic. C. O. Cozzens. 1,977,822; Oct. 23.
- Mounting, Ophthalmic. W. C. Eaton. 1,952,547; Mar. 27.
- Mounting, Ophthalmic. G. A. Ellestad. 1,981,264; Nov. 20.
- Mounting, Ophthalmic. G. C. Favre. 1,966,030; July 10.
- Mounting, Ophthalmic. W. W. Ferris. 1,972,479; Sept. 4.
- Mounting, Ophthalmic. R. J. Fleming. 1,963,656; June 19.
- Mounting, Ophthalmic. L. L. Gagnon. 1,966,009; July 10.
- Mounting, Ophthalmic. L. D. Green. 1,966,717; July 17.
- Mounting, Ophthalmic. G. L. Hommel. 1,955,499; Dec. 25.
- Mounting, Ophthalmic. J. Kane. Des. 92,093; Apr. 24.
- Mounting, Ophthalmic. M. R. McDaniel. Des. 91,529; Feb. 20.
- Mounting, Ophthalmic. J. N. Nelson. 1,945,617; Feb. 6.
- Mounting, Ophthalmic. J. N. Nelson. 1,957,721; May 8.
- Mounting, Ophthalmic. L. Poeton. 1,952,890; Mar. 27.
- Mounting, Ophthalmic. S. Rey. 1,972,033; Aug. 27.
- Mounting, Ophthalmic. W. S. Searles. Des. 91,596; Feb. 20.
- Mounting, Ophthalmic. W. S. Searles. Des. 91,598; Feb. 20.
- Mounting, Ophthalmic. W. S. Searles. 1,947,882; Feb. 20.
- Mounting, Ophthalmic. W. S. Searles. 1,983,500; Dec. 4.
- Mounting, Ophthalmic. R. H. Simonds. 1,967,434; July 24.
- Mounting, Ophthalmic. F. A. Stevens. 1,960,321; May 29.
- Mounting, Ophthalmic. J. C. Wells. 1,942,851; Jan. 9.
- Mounting, Optical. E. Pappert. 1,960,451; May 29.
- Mounting, Outlet box. J. G. Knight. 1,954,481; Apr. 10.
- Mounting, Pad roller. L. S. Frappier and E. Boecking. 1,957,164; May 1.
- Mounting, Philatelic. S. H. Falkoff. 1,972,012; Aug. 28.
- Mounting, Plug. F. R. McCrudden. 1,972,156; Sept. 4.
- Mounting, Pole. G. B. Spring. 1,979,580; Nov. 6.
- Mounting, Power plant. H. J. Nathan. 1,949,064; Feb. 27.
- Mounting, Pressed steel bearing. O. Mitchell. 1,952,274; Mar. 27.
- Mounting, Printing plate. H. J. Warwick. 1,965,621; July 10.
- Mounting, Radiator. F. L. Foster. 1,948,706; Feb. 27.
- Mounting, Rear view mirror. S. De Orlow and J. W. Lakin. 1,973,847; Sept. 18.
- Mounting, Reflecting base jewel. E. Bager. 1,941,782; Jan. 2.
- Mounting, Reflector. H. Y. Mageoch. 1,975,282; Oct. 2.
- Mounting, Resilient. C. Saurer. 1,977,896; Oct. 23.
- Mounting, Rimless eyeglass. J. F. Coombs and A. Coe. 1,978,486; Oct. 30.
- Mounting, Roller bearing railway car axle. O. J. Horger. 1,952,710; Mar. 27.
- Mounting, Shaft. B. E. House. 1,943,827; Jan. 16.
- Mounting, Slicing machine. W. A. van Berkel. 1,960,421; May 29.
- Mounting, Sound insulated shaft. F. H. Stearns and O. Neumer. 1,983,713; Dec. 11.
- Mounting, Spindle. R. C. Longvall. 1,976,952; Oct. 16.
- Mounting, Spindle. L. F. Nenninger. 1,982,265; Nov. 27.
- Mounting, Spring. M. Stadler. 1,982,030; Nov. 27.
- Mounting, Spring. J. Walker. 1,968,109; July 31.
- Mounting structure for aircraft sustaining rotors. H. F. Pitcairn. 1,971,017; Aug. 21.
- Mounting support for automobile wheels. M. Stansbury. 1,966,770; July 17.
- Mounting, Surfacar. F. Riebel, jr., D. M. Dow, and L. M. Henson. 1,970,192; Aug. 14.
- Mounting, Telescope. H. V. Doe. 1,974,016; Sept. 18.
- Mounting, Timer. G. J. Lang and J. F. Martin. 1,978,159; Oct. 23.
- Mounting, Universal adjustable high speed tool. F. S. West. 1,968,362; July 31.
- Mounting, Vehicle roller. F. Kruckenberg and C. Stedefeld. 1,973,816; Sept. 18.
- Mounting, Vehicle wheel. N. A. Carter. 1,956,549; May 1.
- Mounting, Wheel. G. E. Edmunds. 1,974,018; Sept. 18.
- Mounting, Window. H. L. Graves. 1,973,565; Sept. 11.
- Mounting, Window glass. M. Katz. 1,978,090; Oct. 23.
- Mounting, Window sash. D. J. Benoit. 1,966,196; July 10.
- Mounting, Wiper arm. H. Hueber and E. C. Horton. 1,956,516; Apr. 24.
- Mounds, Making inlaid. P. J. Stuparich. 1,968,328; July 31.
- Mouse and animal trap. A. Jung. 1,967,532; July 24.
- Mouse and rat trap. S. E. Thomas. 1,948,601; Feb. 27.
- Mouthpiece. H. P. Roberts. 1,980,293; Nov. 13.
- Mouthpiece for tobacco pipes. A. W. Rekenhaler. 1,957,355; May 1.
- Mouthpiece for tobacco smoking devices. R. Sleeman. 1,941,512; Jan. 2.
- Mouthpiece, Hygienic. D. Drummond. 1,962,639; June 12.
- Mouth spreader or pocket structure. M. H. Wagman. 1,982,845; Dec. 4.
- Movable bar. J. Zatzkin. Des. 91,601; Feb. 20.
- Movable photographs, Camera attachment for making. S. N. Johansen. 1,968,768; July 31.
- Movement at a distance by fluid pressure, Producing. W. Möller. 1,978,502; Oct. 30.
- Movement controlling device. E. L. Heverly. 1,944,689; Jan. 23.
- Movement, Indicating rate and direction of. F. R. House. 1,976,726; Oct. 16.
- Movement transmitting apparatus, Mechanical. P. K. McCall. 1,950,857; Mar. 13.
- Moving-locking means. G. E. Swartz. 1,976,306; Oct. 9.
- Moving picture screen. W. O. Lytle. 1,983,626; Dec. 11.
- Mower. W. C. Anthony and L. Wachter. 1,958,405; May 15.
- Mower. L. P. Campbell. 1,957,756; May 8.
- Mower. R. C. Caughey. 1,974,410; Sept. 25.
- Mower. W. J. Coultas and N. D. Colvin. 1,946,541; Feb. 13.
- Mower. H. S. Dickinson. 1,944,410; Jan. 23.
- Mower. E. F. Huddle. 1,947,552; Feb. 20.
- Mower. E. F. Huddle. 1,955,543-4; Apr. 17.
- Mower. T. W. Paul. 1,946,543-4; Feb. 13.
- Mower attachment, Lawn. C. Deslattes. 1,952,792; Mar. 27.
- Mower attachment, Lawn. E. H. Fabrney. 1,981,098; Nov. 20.
- Mower attachment, Lawn. L. C. Mueller. 1,953,186; Apr. 3.
- Mower, Electric lawn. R. B. Smith. 1,954,579; Apr. 10.
- Mower, Gang lawn. J. B. Pol. 1,961,710; June 5.
- Mower, Lawn. W. F. H. Braun. 1,960,201; May 22.
- Mower, Lawn. L. P. Campbell. 1,957,758; May 8.
- Mower, Lawn. J. A. Cheape. 1,970,489; Aug. 14.
- Mower, Lawn. J. S. Clapper. 1,955,174; Apr. 17.
- Mower, Lawn. R. O. Dohm. 1,969,211; Aug. 7.
- Mower, Lawn. F. T. Farmer. 1,954,380; Apr. 10.
- Mower, Lawn. T. B. Funk. Des. 94,082; Dec. 18.
- Mower, Lawn. O. L. Lewis. 1,968,408; July 31.
- Mower, Lawn. F. M. Seeley. 1,966,972; July 17.

- Mower or trimmer, Lawn. E. W. Bowers. 1,950,472; Mar. 13.
- Mower, Power-driven lawn. H. J. Stegeman and L. W. Barnes. 1,944,584; Jan. 23.
- Mower, Power driven lawn. H. J. Stegeman and S. D. Locke. 1,947,117; Feb. 13.
- Mower, Self-sharpening lawn. W. B. White. 1,945,582; Feb. 6.
- Mower sharpener attachment, Lawn. W. Holliday. 1,958,947; May 15.
- Mower, Tractor. C. F. Crumb and S. E. Hilblom. 1,977,429; Oct. 16.
- Mower, Tractor. C. Pearson. 1,973,993; Sept. 18.
- Mowing and trimming machine. J. S. Clapper. 1,953,394; Apr. 3.
- Mowing machine. L. P. Campbell. 1,957,757; May 8.
- Mowing machine. W. Hauldren. 1,961,217; June 5.
- Mowing machine. J. W. Rounsavell. 1,953,505; Apr. 3.
- Mowing machine, Power driven. A. Ronning. 1,957,079; May 1.
- Mucin solvent agent. C. C. Vogt. 1,969,340; Aug. 7.
- Mud guard for shoe heels. R. C. Vogt. 1,961,267; June 5.
- Muddler and spear or similar article of manufacture, Combined. L. Caplan. Des. 92,580; June 26.
- Muffler. J. S. Fluor, jr. 1,966,620; July 17.
- Muffler. E. G. Gunn. 1,949,074; Feb. 27.
- Muffler. A. J. Klein. Des. 93,024; Aug. 14.
- Muffler. Q. G. Noblitt. 1,972,065; Aug. 28.
- Muffler. V. Oldberg. 1,975,861; Oct. 9.
- Muffler. V. Oldberg and W. C. Morgan, jr. 1,953,123; Apr. 3.
- Muffler. J. Olson. 1,983,304; Dec. 4.
- Muffler. S. S. Scott. 1,975,483; Oct. 2.
- Muffler and pressure unloader. C. E. L. Lipman. 1,965,419; July 3.
- Muffler construction. I. S. Watson. 1,951,813; Mar. 20.
- Muffler, Exhaust. F. F. Hamilton. 1,966,891; July 17.
- Muffler for internal combustion engines. S. S. Hanson. 1,946,908; Feb. 13.
- Muffler for internal combustion engines and the like. C. F. and J. T. Rauert. 1,953,264; Apr. 3.
- Muffler, Water. A. P. J. Voigt. 1,973,784; Sept. 18.
- Mug. A. L. Davis. 1,959,857; May 22.
- Mug, Beer. W. L. Bacher. Des. 92,693; July 10.
- Mug, Shaving. R. L. Graham. 1,982,512; Nov. 27.
- Multi-color subtractive photographic prints, Material and process for making. J. G. Capstaff. 1,969,452; Aug. 7.
- Multifilament lamp. C. Rehl. 1,948,428; Feb. 20.
- Multiphase motor. J. A. Ramos and P. P. Scribante. 1,968,853; Aug. 7.
- Multiple bolt lock. R. M. Lamb. 1,985,176; Dec. 18.
- Multiple check valve. H. J. Rand. 1,978,507; Oct. 30.
- Multiple control switch. E. C. Raney. 1,971,732; Aug. 28.
- Multiple control valve. R. V. Proctor and W. T. Stephens. 1,968,422; July 31.
- Multiple copy rack. H. M. Biele. 1,965,404; July 3.
- Multiple disk brake. W. R. Harman. 1,943,795; Jan. 16.
- Multiple disk clutch. A. Lesage. 1,962,247; June 12.
- Multiple exhaust generator. F. M. Brooke. 1,960,691; May 29.
- Multiple fastener. E. Hopkinson and D. F. Dalton. 1,960,010; May 22.
- Multiple ply textile fabric. S. B. Hainsworth. 1,963,898; June 19.
- Multiple pole switch. L. C. Hart. 1,944,235; Jan. 23.
- Multiple recorder. B. H. Smith. 1,969,045; Aug. 7.
- Multiple shoe brake. C. A. Lindblom. 1,948,822; Feb. 27.
- Multiple speed motor. M. Lillenthal and L. Michaelis. 1,946,289; Feb. 6.
- Multiple switch. M. F. Ketav. 1,965,125; July 3.
- Multiple system. L. Nemirovsky. 1,941,618; Jan. 2.
- Multiple total reflections. Arrangement for producing. F. Bartels. 1,967,548; July 24.
- Multiple unit container. M. S. Young. 1,961,321; June 5.
- Multiple unit tube. W. Akemann. 1,954,191; Apr. 10.
- Multiple valve. K. A. R. Johansson. 1,957,044; May 1.
- Multiple winding reel. H. H. Talbot and W. W. McBane. 1,984,776; Dec. 18.
- Multiplex rotary filter. F. W. Becraft. 1,963,610; June 19.
- Multiplex system of automatic lubrication. O. U. Zerk. 1,955,161; Apr. 17.
- Multiplication, Frequency. R. Gürtler. 1,965,641; July 10.
- Multiplication, Frequency. M. G. Wasserman. 1,964,373; June 26.
- Multiplier, Dynamic. J. H. Hammond, jr. 1,979,037; Oct. 20.
- Multi-ply bag. B. B. Weaver. 1,946,995; Feb. 13.
- Multi-ply pasted end bag. J. W. Taggart. 1,960,929; May 29.
- Multiplying machine with improved checking features. D. J. Oldenboom. 1,944,665; Jan. 23.
- Multipole switch. R. D. Amsden. 1,983,331; Dec. 4.
- Multiphase split phase motor. C. H. Dederick. 1,983,741; Dec. 11.
- Multipindle machine, Cam-controlled. L. L. Schauer and A. M. Sosa. 1,967,689; July 24.
- Multistage regulator. E. L. Mills. 1,957,972; May 8.
- Multivibrator control. V. T. Brame. 1,976,384; Oct. 9.
- Multivall bag. T. E. Coiv. 1,942,019; Jan. 2.
- Musa fiber cellulose. Utilizing purified. E. C. Worden. 1,964,017; June 26.
- Musa fiber cellulose. Utilizing purified. E. C. Worden, 1st. 1,966,475; July 17.
- Muscle exerciser, Foot. M. A. Nelson and E. W. Henry. 1,948,534; Feb. 27.
- Musculo-tone meter. J. M. Graham. 1,959,580; May 22.
- Mushrooms, Apparatus for grading. W. E. Chambers. 1,942,238; Jan. 2.
- Music, Apparatus for teaching. H. B. Walsh. 1,947,686; Feb. 20.
- Music, Apparatus for the production of. B. F. Miessner. 1,979,633; Nov. 6.
- Music by radio, Apparatus for transmitting. G. W. Wason. 1,978,828; Oct. 30.
- Music holder. C. P. Damstra. 1,951,966; Mar. 20.
- Music instruction, Apparatus for. E. A. Ash. 1,970,161; Aug. 14.
- Music leaf-turning machine. J. H. Miller. 1,944,295; Jan. 23.
- Music, Method and apparatus for the production of. B. F. Miessner. 1,961,159; June 5.
- Music, Method and apparatus for the production of. B. F. Miessner. 1,977,832; Oct. 23.
- Music stand. J. R. Spica. 1,946,644; Feb. 13.
- Music stand. J. R. Spica. 1,966,566; July 17.
- Music stand lamp. L. W. Andersen. 1,949,289; Feb. 27.
- Music system, Electrical. R. H. Ranger. 1,947,020; Feb. 13.
- Music teaching device. B. M. Carlson. 1,960,330; May 29.
- Musical instrument. N. A. Palmgren. 1,952,630; Mar. 27.
- Musical instrument. G. Gloetens. 1,981,092; Nov. 20.
- Musical instrument. G. B. Nygren. 1,979,635; Nov. 6.
- Musical instrument. D. W. Paul. 1,969,147; Aug. 7.
- Musical instrument. F. G. Peloubet. 1,956,996; May 1.
- Musical instrument. H. Pullen. Des. 94,161; Dec. 25.
- Musical instrument, Wind. L. M. Schaefer. 1,984,704; Dec. 18.
- Musical instrument. V. H. Severy. 1,958,866; May 15.
- Musical instrument. C. R. Smith. 1,965,475; July 3.
- Musical instrument and method of sound amplification, Stringed. T. A. Gast. 1,961,900; June 5.
- Musical instrument, Automatic. G. B. Iles. 1,966,798; July 17.
- Musical instrument, Automatic. G. B. Iles. 1,975,395; Oct. 2.
- Musical instrument, Electrical. L. Hammond. 1,956,350; Apr. 24.
- Musical instrument, Electrical. M. L. Severy. 1,941,870; Jan. 2.
- Musical instrument, Electroacoustic. N. S. Ananlew. 1,975,220; Oct. 2.
- Musical instrument, Electrophonic stringed. A. J. Stimson. 1,962,919; June 12.
- Musical instrument, Mechanical. F. I. Lauter. 1,961,369; June 5.
- Musical instrument of the electric oscillation type, Automatically operating. E. E. Coupleux and J. A. Givélet. 1,957,392; May 1.
- Musical instrument of the viol and violin type. J. S. Burdick. 1,941,595; Jan. 2.
- Musical instrument, Photo-electric. E. Spielmann. 1,977,095; Oct. 16.
- Musical instrument player. J. W. Bissett. 1,972,038; Aug. 28.
- Musical instrument, Stringed. C. Gerber. 1,959,530; May 22.
- Musical instrument, Stringed. W. F. Himmler. Des. 92,535; June 19.
- Musical instrument, Stringed. J. H. Large. 1,941,559; Jan. 2.
- Musical instrument working through a keyboard and a photo-electric cell. P. M. G. Toulon. 1,948,996; Feb. 27.
- Musical record and producing same. A. E. Zoppa. 1,969,681; Aug. 7.
- Musical sounds, Method and apparatus for producing. R. K. Potter. 1,980,292; Nov. 13.
- Musical tones, Permuting the intensity and quality of. M. L. Severy. 1,977,598; Oct. 16.
- Musical tones, Producing. D. R. Goldthwaite. 1,967,238; July 24.
- Musical tones, Producing. A. C. Hardy. 1,967,239; July 24.
- Muslin to corrugated roofing, Applying. J. C. Lemmon. 1,943,681; Jan. 16.
- Mustard container, Moisture dispensing. H. Krumbiegel. Des. 92,541; June 19.
- Mutator. A. H. Boileau. 1,962,386; June 12.
- Muzzle brake for drums. G. M. Barnes. 1,948,496; Feb. 27.
- N-acetyl-p-toluidine, Nitration of. J. M. Tinker and L. Spiegler. 1,963,597; June 19.
- Nail. B. C. Brugge. 1,944,150; Jan. 23.
- Nail, Clamp. A. C. Hevser. 1,959,360; May 22.
- Nail cleaning device. H. J. Roth. 1,956,627; May 1.
- Nail distributor. G. Goddu and F. L. MacKenzie. 1,947,768; Feb. 20.
- Nail driving device. J. De Mooy. 1,980,967; Nov. 13.
- Nail driving tool. O. Sann. 1,962,697; June 12.
- Nail feed mechanism, Selective. H. E. Twomeley. 1,956,935; May 1.
- Nail file. W. L. Hulst. Des. 94,030; Dec. 11.
- Nail file, Crinkle surface. J. V. B. Parkes. Des. 93,732; Oct. 30.
- Nail, Fracture. E. A. J. Ericsson. 1,951,278; Mar. 13.
- Nail machine. C. K. Hill. 1,964,988; July 3.

- Nail machine and the like and control apparatus associated therewith. G. N. Williams. 1,972,612; Sept. 4.
- Nail polish package. P. W. Marshburn. 1,974,466; Sept. 25.
- Nail set. J. R. Gurley. 1,980,583; Nov. 13.
- Nail setter. A. P. Barker. 1,977,225; Oct. 16.
- Nail setting tool. E. Nadelman. 1,960,390; May 29.
- Nail, Spacer. E. W. Menninger. 1,957,467; May 8.
- Nail stripper, Portable. E. C. Follett and A. W. Heater. 1,945,144; Jan. 30.
- Nail, Weatherproof. W. C. Dickson. 1,984,180; Dec. 11.
- Nailing machine. S. E. Boynton. 1,967,282; July 24.
- Nailing machine. F. L. MacKenzie. 1,947,770; Feb. 20.
- Nailing to metallic sections. J. F. Loucks. 1,964,403; June 26.
- Nails, Appliance for driving in. A. Grüis. 1,977,382; Oct. 16.
- Nails, Device for hammering in. A. Grüis. 1,977,383; Oct. 16.
- Nails, Method and machine for driving. H. W. Morgan. 1,955,467; Apr. 17.
- Nap-raising, sleeking, and like fabric dressing machines. A. Schiffers. 1,968,963; Aug. 7.
- Naphtha gasifier or vaporizer. V. Colombo and G. Olivari. 1,973,524; Sept. 11.
- Naphthalene and gum-forming constituents from gas, Removal of. A. R. Powell. 1,944,903; Jan. 30.
- Naphthalene, Polymerization of vinyl. W. E. Lawson. 1,982,676; Dec. 4.
- Naphthas, Stabilizing the color of. G. McIntyre and E. G. Ulbricht. 1,985,613; Dec. 25.
- Naphthol, Production of alpha. W. J. Cotton. 1,962,137; June 12.
- Napkin container. M. Wieseneck. Des. 92,637; June 26.
- Napkin dispenser. S. N. Hope. Des. 93,398; Sept. 25.
- Napkin dispensing device. S. N. Hope. Des. 93,399; Sept. 25.
- Napkin holder for trays. B. F. Colwell. 1,985,561; Dec. 25.
- Napkin or similar article. B. F. Perkins. Des. 92,552; June 19.
- Napkin package. C. H. Coons. 1,959,614; May 22.
- Napkin, Paper. P. A. Fischer. 1,979,876; Nov. 6.
- Napkin, Paper. M. Housen. 1,980,059; Nov. 6.
- Napkin, Paper. A. Singer. 1,958,384; May 8.
- Nasal inhaler. F. Lobl. 1,950,926; Mar. 13.
- Navigating bridge or similar structure. N. B. Geddes. Des. 92,897; July 31.
- Navigating instrument. V. E. Carbonara. 1,970,543; Aug. 21.
- Navigating instrument. J. G. Nelson. 1,969,939; Aug. 14.
- Navigating instrument. G. A. Viehmann. 1,949,946; Mar. 6.
- Navigating instrument. J. Wright. 1,984,390; Dec. 18.
- Navigation. E. H. Hansen. 1,983,079; Dec. 4.
- Navigation and plant for carrying it out, System of. W. A. Loth. 1,968,085; July 31.
- Navigation instrument. E. H. Ashlock. 1,949,403; Mar. 6.
- Navigational apparatus. T. R. Rhea. 1,947,434; Feb. 13.
- Navigational instrument. V. E. Carbonara. 1,966,844-5; July 17.
- Navigational instrument. N. Minorsky. 1,950,946; Mar. 13.
- N-Benzyl-para-aminophenol, Production of. C. W. Hanum. 1,979,154; Oct. 30.
- N-chloro azo-dicarboxamidines, Making. F. C. Schmelkes. 1,958,371; May 8.
- N-chloro compound and its use in sterilization. F. C. Schmelkes. 1,958,370; May 8.
- Necktie. H. S. Alper. 1,949,851; Mar. 6.
- Necktie. J. H. Brown. 1,974,528; Sept. 25.
- Necktie. J. Elvin. 1,962,437; June 12.
- Necktie. G. O. C. Elliott. 1,949,566; Mar. 6.
- Necktie. A. H. Franke. 1,949,606; Mar. 6.
- Necktie. W. E. Jürgens. 1,949,609; Mar. 6.
- Necktie. T. L. Lang. 1,946,405; Feb. 6.
- Necktie. A. Scharlin. 1,959,801; May 22.
- Necktie. J. T. Scully. 1,972,906; Sept. 11.
- Necktie. M. A. Stephens. 1,945,206; Jan. 30.
- Necktie. A. G. Zimmerman. 1,975,342; Oct. 2.
- Necktie and making the same. J. W. Less. 1,972,405; Sept. 4.
- Necktie hanger. J. H. Jackson. 1,981,553; Nov. 20.
- Necktie holder. J. S. Bear. Des. 92,695; July 10.
- Necktie holder. S. Haug. 1,962,015; June 5.
- Necktie holder and presser. M. Herzog. 1,980,526; Nov. 13.
- Necktie packaging. W. M. Morse. 1,957,899; May 8.
- Necktie press. J. P. Ernst. 1,946,844; Feb. 13.
- Necktie press. Electrically heated. I. A. Lake. 1,977,442-3; Oct. 16.
- Necktie rack. R. W. Campbell. 1,973,974; Sept. 18.
- Neckties in place. Device for retaining. D. S. Tufts. 1,955,988; Apr. 24.
- Neckties, Making. J. Weisbaum. 1,970,786; Aug. 21.
- Neckties, Manufacture of four-in-hand. L. A. Gumpert. 1,948,172; Feb. 20.
- Neckwear, Manufacturing an article of. B. S. Deich. 1,970,495; Aug. 14.
- Nectarine. M. A. Blake. Pl. Pt. 92; Apr. 3.
- Needle and cutter plate, Sewing machine. Z. Routtenberg. 1,947,495; Feb. 20.
- Needle and generator, Removable tip cleaning. B. W. Tullis. 1,973,184; Sept. 11.
- Needle and suture, Surgical. O. J. Logan. 1,981,651; Nov. 20.
- Needle and using the same, Knitting. E. M. Van Bergen. 1,966,690; July 17.
- Needle, Auxiliary knitting. K. R. Lieberknecht. 1,941,903; Jan. 2.
- Needle bar. K. R. Lieberknecht. 1,977,682; Oct. 23.
- Needle bar, Flat knitting machine. K. W. Lieberknecht. 1,982,818; Dec. 4.
- Needle beard forming mechanism. A. Hofmann. 1,965,592; July 10.
- Needle cabinet and chart. E. P. Byrnes and E. D. Davis. 1,974,234; Sept. 18.
- Needle case with windows. P. Dossmann. 1,971,644; Aug. 28.
- Needle, Knitting. G. Afvazian. 1,960,133; May 22.
- Needle, Leather lacing. A. S. Nakazono. 1,949,576; Mar. 6.
- Needle or the like and suture therefor, Surgical. E. H. Lydeard. 1,960,117; May 22.
- Needle or tufting device. R. C. Lang. 1,974,052; Sept. 18.
- Needle ornamental stitch forming mechanism, Multiple. J. P. and A. H. Weis. 1,961,950; June 5.
- Needle polishing machine. J. Baxter and W. Tivendale. 1,951,232; Mar. 13.
- Needle, Sewing machine. E. K. Brown. 1,949,349; Feb. 27.
- Needle, Upholstery. W. J. Gagnon. 1,943,174; Jan. 9.
- Needles, Hooked rug. M. Bibow. 1,961,032; May 29.
- Needles, Making sewing machine. E. K. Brown. 1,949,350; Feb. 27.
- Negative by reversal, Producing. R. H. Harrison. 1,984,580; Dec. 18.
- Negative holder. M. I. Schwartz. 1,973,827; Sept. 18.
- Negative impedance. M. M. Dolmage. 1,969,836; Aug. 14.
- Negative impedance repeater. H. Mouradian. Re19,305; Sept. 4.
- Negative impedance repeater. H. Mouradian. 1,955,681; Apr. 17.
- Negative pressure accessory system. E. C. Horton and H. Hueber. 1,972,842; Sept. 4.
- Negative resistance device. F. B. Llewellyn. 1,963,751; June 19.
- Negative totals, Obtaining true. A. A. Horton. 1,957,501; May 8.
- Neon lamp generator. R. M. Critchfield. 1,952,121; Mar. 27.
- Nerve testing device. F. F. Conwill. 1,977,115; Oct. 16.
- Nest, Egg. C. M. Vaughan. 1,952,521; Mar. 27.
- Nest, Hen's. J. W. Gottsch. 1,942,056; Jan. 2.
- Nest, Hen's. C. Z. Shallit. 1,949,085; Feb. 27.
- Nestable stand. N. R. Moore. 1,958,834; May 15.
- Nesting attachment for pan sets. J. G. Jackson. 1,953,935; Apr. 10.
- Nesting box. E. T. Johnson. 1,968,042; July 31.
- Net, Crab. C. D. Starks. 1,984,239; Dec. 11.
- Net, Landing. B. T. Dexter. 1,957,944; May 8.
- Net making machine. T. Kobayashi. 1,975,212; Oct. 2.
- Net making machine. Y. Okuma. 1,975,431; Oct. 2.
- Net weaving machine. G. A. Widmann. 1,974,977; Sept. 25.
- Network, Artificial. W. Cauer. 1,958,742; May 15.
- Network distribution system. E. A. Hester. 1,948,711; Feb. 27.
- Network distribution system, Medium voltage. J. S. Parsons. 1,947,100; Feb. 13.
- Network protector. M. A. Bostwick. 1,955,940; Apr. 24.
- Network protector. J. S. Parsons. 1,973,097; Sept. 11.
- Network system of distribution. J. S. Parsons. 1,953,126; Apr. 3.
- Neutralization. R. T. Howes. 1,968,397; July 31.
- Neutralization, Process of. L. Caldwell. 1,952,622; Mar. 27.
- Neutralization, Process of. L. Caldwell. 1,954,116; Apr. 10.
- Newspaper bundles and the like, Apparatus for tying. I. H. Spoor and R. F. Le Tourneau. 1,972,173; Sept. 4.
- Newspaper vendor. J. G. Miller. 1,982,999; Dec. 4.
- Nibbler, Universal. J. C. Chenette. 1,961,843; June 5.
- Nicotine content of tobacco, Reducing the. P. M. Gross and L. F. Dixon. 1,962,145; June 12.
- Nicotine from tobacco, Expulsion of. W. Wagner. 1,984,445; Dec. 18.
- Nicotine insecticide. T. J. Headlee. 1,958,407; May 15.
- Nicotine salts of 2,4-dinitrophenol and substituted derivatives thereof. L. E. Mills. 1,963,471; June 19.
- Night light. A. Tamol. 1,952,783; Mar. 27.
- Night light. H. B. Tyler. Des. 92,831; July 17.
- Nippers, Bolt and rod. J. J. Eyre. 1,972,515; Sept. 4.
- Nipple construction. J. Little. 1,957,969; May 8.
- Nipple fastener for nursing bottles. F. Thomä. 1,950,702; Mar. 13.
- Nipple, Flow. M. P. Laurent. 1,971,159; Aug. 21.
- Nipple, Lubricant. A. M. Farmer. 1,959,909; May 22.
- Nipple, Lubricant. W. L. Morris. 1,962,254; June 12.
- Nipple or the like. C. W. Meinecke. Des. 92,784; Nov. 6.
- Nipple wrench. W. V. E. Thompson. 1,951,584; Mar. 20.
- Nitrate of lime in globular form, Manufacture of. N. Stephansen, C. Eyer, and G. Meder. 1,982,549; Nov. 27.
- Nitrate of lime through absorption at elevated temperatures, of nitrous fumes, Production of. G. Lefort des Ylouses. 1,959,480; May 22.
- Nitrates and recovery of nitric oxide, Method of producing. B. Uehler. 1,942,886; Jan. 9.
- Nitrates, Making alkali metal. P. Kubelka and W. Schneider. 1,978,751; Oct. 30.

- Nitrates of metallic elements, Formation of. H. B. Kipper. 1,954,415; Apr. 10.
- Nitrates, Producing. W. E. Kirst and F. J. G. Thedieck. 1,978,431; Oct. 30.
- Nitration. B. K. Brown. 1,973,559; Sept. 11.
- Nitriding. J. J. Egan. 1,949,682; Mar. 6.
- Nitriding. J. J. Egan. 1,965,798; July 10.
- Nitriles, Production of. H. Ulrich and K. Saurwein. 1,972,465; Sept. 4.
- Nitro-B-hydroxy pyridines, Preparing. O. Wulff. 1,957,089; May 1.
- Nitrocellulose and production of lacquers containing the same, Dehydration of. C. A. Hochwalt and P. E. Marling. 1,961,120; May 29.
- Nitrocellulose and the like, Washing of. M. O. Schur. 1,978,962; Oct. 30.
- Nitrocellulose cement. A. C. Rittman. 1,969,477; Aug. 7.
- Nitrocellulose coating composition. C. Ellis. 1,984,061; Dec. 11.
- Nitrocellulose coating composition containing an acid body. T. F. Bradley. 1,946,479; Feb. 13.
- Nitrocellulose composition and preparing same. A. F. York. 1,978,070-1; Oct. 23.
- Nitrocellulose containing waste material, Treatment of. P. C. L. Hayemal. 1,985,347; Dec. 25.
- Nitrocellulose, Digesting. M. G. Milliken. 1,957,180; May 1.
- Nitrocellulose, Manufacture of. P. B. Cochran. 1,965,577; July 10.
- Nitro-cellulose, Manufacture of. E. Tschudin. 1,945,101; Jan. 30.
- Nitrocellulose, Producing. M. O. Schur. 1,948,944; Feb. 27.
- Nitrocellulose, Producing stable. J. L. Parsons. 1,968,466; July 31.
- Nitro compounds, Purifying crude aromatic. C. W. Davis. 1,964,792; July 3.
- Nitro-derivatives of 9-amino-acridines and preparing the same, Basic. H. Jensch and O. Eisleb. 1,962,277; June 12.
- Nitrogen base and making same. D. L. Fox. 1,965,828; July 10.
- Nitrogen containing conversion products of higher aliphatic hydrocarbon and preparing the same. K. Keller. 1,948,924; Feb. 27.
- Nitrogen oxide gases mixed with oxygen or air, Absorbing. F. Bartling and A. Meier. 1,957,130; May 1.
- Nitrogenous derivative of the anthraquinone series and making same. P. Grossmann. 1,976,167; Oct. 9.
- Nitrogenous products, Preparation of. G. A. Kramer and L. Rosenstein. 1,948,968; Feb. 27.
- Nitroglycerine and residuary acid, Continuous separation of. A. Schmid. 1,946,415; Feb. 6.
- Nitroglycerine from residual acids, Separating. A. Schmid. 1,946,414; Feb. 6.
- Nitropentaerythrite, tetranitromethylaniline, trinitroresorcine, and similar nitrocompounds, Continuous production of. J. Meissner. 1,943,031; Jan. 9.
- Nitrophosphates, Production of. E. Lüscher and S. Ruosch. 1,971,111; Aug. 21.
- Nitrous oxide, Production of. L. Schlecht and A. von Nagel. 1,946,114; Feb. 6.
- No roll back device. C. A. Matson. 1,978,683; Oct. 30.
- Nodules and the like, Apparatus for forming. J. H. Thompson. 1,977,099; Oct. 16.
- Noise elimination, Ground. C. D. Greentree. 1,971,181; Aug. 21.
- Noiseless coin container. W. W. Dana. 1,950,974; Mar. 13.
- Noncontacting follow-up system. B. Wittkuhns and F. M. Watkins. 1,959,804; May 22.
- Noncorrosive fluid and compounding the same. K. H. Hoover. 1,970,564; Aug. 21.
- Nondrip liquid dispenser. K. E. Bemis. 1,956,888; May 1.
- Nonfibrous compositions. H. L. Bender. 1,953,892; Apr. 3.
- Nongaseous materials, Method and apparatus for treatment of. D. D. Peebles. 1,964,858; July 3.
- Nonmicrophonic tube. K. C. De Walt. 1,960,050; May 22.
- Nonravel contoured fabric, Knitted. J. F. Wilcomb. 1,949,439; Mar. 6.
- Nonrefillable container. S. Berman and P. Ziff. 1,967,701; July 24.
- Nonrefillable container. I. J. Burdick. 1,941,929; Jan. 2.
- Nonrefillable container. H. H. Metzgar. 1,976,508; Oct. 9.
- Nonrefillable container. L. Roth. 1,964,301; June 26.
- Nonrefilling device for liquid containers. J. C. Dunham. 1,960,532; May 29.
- Nonreturn device. P. G. Marr. 1,959,763; May 22.
- Nonrotative reel. G. N. Williams. 1,966,532; July 17.
- Non-skid device for vehicle wheels. J. A. Perry. 1,978,758; Oct. 30.
- Non-skid mechanism for vehicles. R. G. Reed. 1,946,712; Feb. 13.
- Non-skid tire chain. S. H. Calhoun. 1,961,549; June 5.
- Non-slip attachment for shoes. T. J. Conway. 1,967,867; July 24.
- Non-slip hat holder. I. Jacobs. 1,965,773; July 10.
- Non-slip surface and making the same. D. Repony. 1,941,912; Jan. 2.
- Noodle machine. R. Baccellieri. 1,985,275; Dec. 25.
- Normal ferrous salt of 2-nitronaphthalene-4,8-disulphonic acid. A. Sigwart. 1,968,964; Aug. 7.
- Normalizer control. W. Doble. 1,951,349; Mar. 20.
- Nose bridge, Adjustable. H. F. Shindel. 1,971,389; Aug. 28.
- Nose-guard structure for folding Oxford eyeglasses, Adjustable. V. Tanasso and J. J. Pomeranz. 1,973,125; Sept. 11.
- Nose iron for weighing scales, Adjustable. A. Bousfield. 1,980,609; Nov. 13.
- Nose pad. W. S. Searles. 1,981,432; Nov. 20.
- Nose-piece for microscope objectives. W. Bauersfeld. 1,985,073; Dec. 18.
- Notation-printing device. O. J. Sundstrand. 1,975,807; Oct. 9.
- Note-block. J. Boldt. 1,980,659; Nov. 13.
- Notebook holder. R. J. Denio. 1,971,600; Aug. 28.
- Novelty, Advertising. N. T. Hall. 1,974,814; Sept. 25.
- Novelty case. G. and H. Verger and J. Weil. 1,964,334; June 26.
- Novelty lock box. K. Soderberg. 1,944,722; Jan. 23.
- Nozzle. B. J. Clapper. 1,970,546; Aug. 21.
- Nozzle. C. H. Jarvis. 1,974,276; Sept. 18.
- Nozzle. T. W. Murphy. 1,982,228; Nov. 27.
- Nozzle. M. O'Connor. 1,948,824; Feb. 27.
- Nozzle. H. Placide. 1,968,348; July 31.
- Nozzle. A. Ross. 1,955,977; Apr. 24.
- Nozzle. E. W. Shugart and H. Van Dam. 1,983,820; Dec. 11.
- Nozzle. T. Tafel, jr. 1,979,504; Nov. 6.
- Nozzle, Adjustable. L. W. Mitchell. 1,970,667; Aug. 21.
- Nozzle, Adjustable spray. S. E. White. 1,980,460; Nov. 13.
- Nozzle and control, Lubricant. J. F. Carter. 1,953,393; Apr. 3.
- Nozzle and spraying device, Combined. M. E. Johnson. 1,946,696; Feb. 13.
- Nozzle attachment, Fertilizer. G. C. Karshner. 1,964,064; June 26.
- Nozzle attachment for air hoses. J. J. Gilfoy. 1,948,852; Feb. 27.
- Nozzle attachment for powder filling machines. C. J. Westin. 1,981,488; Nov. 20.
- Nozzle, Cement gun. J. T. Vawter. 1,941,726; Jan. 2.
- Nozzle, Cleaning. F. M. Hilgerink. 1,950,796; Mar. 13.
- Nozzle construction for turbines. H. Holzwarth. 1,964,731; July 3.
- Nozzle control of dispensers. W. H. Haupt. 1,981,357; Nov. 20.
- Nozzle, Douche. O. F. Boehme. 1,958,811; May 15.
- Nozzle, Douche. G. H. Shrodes. Des. 93,682; Oct. 23.
- Nozzle, Electrode. V. J. Chapman. 1,959,194; May 15.
- Nozzle, Electrode. R. M. Stephens. 1,959,180; May 15.
- Nozzle, Fluid ejecting. H. A. Roselund. 1,953,990; Apr. 10.
- Nozzle for blowing mineral wool, Fluid-jet. E. R. Powell. 1,977,406; Oct. 16.
- Nozzle for filling machines, Dripless. J. Schmidt. 1,947,535; Feb. 20.
- Nozzle for gasoline or the like, Dispensing. C. P. Lent. 1,978,753; Oct. 30.
- Nozzle for internal combustion engines, Fuel injection. M. Hurst. 1,970,801; Aug. 21.
- Nozzle for internal combustion engines, Injector. A. A. Sidney. 1,973,666; Sept. 11.
- Nozzle for jacketed vessels, Welded. S. Straty. 1,978,608; Oct. 30.
- Nozzle for liquid fuel burners. W. A. Hubbard. 1,982,871; Dec. 4.
- Nozzle for oil burners. J. B. Hawley, jr. 1,970,138; Aug. 14.
- Nozzle for pouring molten metal. L. F. Reinartz and C. R. Fon Dersmith. 1,944,611; Jan. 23.
- Nozzle for pumps, Retractable discharge. W. Trautner. 1,958,253; May 8.
- Nozzle for washing bottles. F. P. Perkins. 1,978,721; Oct. 30.
- Nozzle, Fuel spraying. O. Baur. 1,948,557; Feb. 27.
- Nozzle, Gasoline vending. H. L. Scott. 1,970,629; Aug. 21.
- Nozzle, Grease gun. H. L. Olive and M. M. Mittet. 1,954,144; Apr. 10.
- Nozzle-head for the artificial silk stretch-spinning process. W. zur Löwen. 1,942,632; Jan. 9.
- Nozzle, Hose. C. E. Carlson. 1,985,402; Dec. 25.
- Nozzle, Hose. T. E. Clark. 1,972,008; Aug. 21.
- Nozzle, Hose. H. Nichols. 1,983,634; Dec. 11.
- Nozzle intended for spinning artificial silk. E. Orioli. 1,944,298; Jan. 23.
- Nozzle, Internal spray. J. F. Moran. 1,979,006; Oct. 30.
- Nozzle, Lined pressure vessel. S. Straty. 1,978,610; Oct. 30.
- Nozzle, Lubricating. L. C. Bailey. 1,981,493; Nov. 20.
- Nozzle, Making a spray. L. C. Gordon. 1,979,104; Oct. 30.
- Nozzle, Multiple flame welding. W. C. Bucknam and G. I. Jones. 1,947,755; Feb. 20.
- Nozzle, Nondrip shut-off. I. L. Eastman. 1,958,786; May 15.
- Nozzle, Paint striping. F. P. Ryan. 1,980,552; Nov. 13.
- Nozzle, Spray. H. D. Johnston. 1,974,538; Sept. 25.
- Nozzle, Spray. F. C. Nelson. 1,976,799; Oct. 16.
- Nozzle tip. L. J. Baum. 1,964,807; July 3.
- Nozzle tip. G. L. Hammon. 1,958,085; May 8.
- Nozzle, Vacuum cleaner. F. B. Allen. 1,951,316; Mar. 13.
- Nozzle, Vacuum cleaner. W. Leathers. 1,950,450; Mar. 13.
- Nozzle valve. A. L. Bridgman. 1,954,752; Apr. 10.
- Nozzle, Valve controlled. R. W. Bond. 1,954,662; Apr. 10.
- Nozzle with gauge, Tank-filling. G. M. Cross. 1,951,472; Mar. 20.
- N-substituted phenyl alkylol amines. F. Stolz and F. Flaecher. 1,959,292; May 22.

- N-sulphoethyl compounds of arylamino sulphonic acids, Manufacture of. H. Grotowsky and W. Mühl. 1,979,033; Oct. 30.
- Nullifying or reducing reflections in snow cases or the like. G. Brown. 1,975,001; Sept. 25.
- Number indicating device. H. J. Ball. 1,980,844; Nov. 13.
- Number plate for dial telephone instruments. C. J. Gutberlet and G. D. Cox. 1,963,439; June 19.
- Numbering device for photo-printing machines. J. L. Barber. 1,972,618; Sept. 4.
- Numbering head. M. H. Kern. 1,958,048; May 8.
- Numbering machine. F. Aitchison. 1,933,012; Dec. 4.
- Nursery products for transplanting, compound, and package therefor. Preparing. E. M. Quillen and W. J. Billerbeck. 1,964,689; June 26.
- Nursery soap dispenser. N. S. Hillyard. 1,945,111; Jan. 30.
- Nursing bottle holder. E. Geistlinger. 1,970,602; Aug. 21.
- Nursing bottle holder. A. N. Guerin. 1,964,758; July 3.
- Nut. A. E. Grant. 1,957,042; May 1.
- Nut. R. L. Wilcox. 1,957,923; May 8.
- Nut. R. L. Wilcox. 1,974,729; Sept. 25.
- Nut and bolt lock. I. I. Kuzovonoff. 1,966,015; July 10.
- Nut and cap screw. Self-locking. F. L. Lindberg and J. M. Simons. 1,976,077; Oct. 9.
- Nut and cup washer assembly. F. U. Winchester and J. H. Hunt. 1,961,470; June 5.
- Nut and making the same. J. A. Fitch and C. D. Watson. 1,946,618; Feb. 13.
- Nut and preparing same. Prepared. W. J. Janak. 1,968,254; July 31.
- Nut blanking machine. S. Baxendale. 1,982,492; Nov. 27.
- Nut blanks, Making. J. W. Gigney. 1,957,952; May 8.
- Nut blanks, Method and apparatus for making. R. H. Smith. 1,957,987; May 8.
- Nut buttering machine. M. J. Kohler. 1,958,409; May 15.
- Nut cracker. W. H. Ammon. Des. 91,384; Jan. 23.
- Nut cracker. J. W. Eggleston. 1,953,878; Apr. 3.
- Nut cracker. V. S. Firestone. 1,967,750; July 24.
- Nut cracker. A. Meng. Des. 91,277; Jan. 2.
- Nut cracker. A. Rothenberg and P. Mann. Des. 93,675; Oct. 23.
- Nut cracking machine. F. M. Baldwin. 1,971,170; Aug. 21.
- Nut cracking machine. J. H. Schreiber. 1,973,395; Sept. 11.
- Nut husking machine. J. R. Hershey. 1,941,939; Jan. 2.
- Nut, Lock. W. M. Beck. 1,952,305; Mar. 27.
- Nut lock. E. Z. Cole. 1,957,095; May 1.
- Nut, Lock. G. A. Crowther. 1,944,595; Jan. 23.
- Nut lock. C. L. Dunham. 1,945,216; Jan. 30.
- Nut lock. C. L. Freeland. 1,967,237; July 24.
- Nut, Lock. W. R. Hewitt. 1,943,672; Jan. 16.
- Nut lock. H. P. Lloyd. 1,945,325; Jan. 30.
- Nut lock. G. H. Meeker. 1,960,274; May 29.
- Nut lock. S. J. Randall and C. E. Love. 1,968,959; Aug. 7.
- Nut lock. W. O. Simpson. 1,959,741; May 22.
- Nut, Lock. W. G. Wilson. 1,975,815; Oct. 9.
- Nut, Lock. K. G. Young and H. Veit. 1,954,114; Apr. 10.
- Nut lock washer. J. F. Connell. Re19,222; June 26.
- Nut, Locked. A. J. Romeis and J. O. Gangstad. 1,948,830; Feb. 27.
- Nut locking device. H. Batchelor. 1,949,988; Mar. 6.
- Nut meats, Apparatus for treating. L. M. Sawin. 1,982,073; Nov. 27.
- Nut meats to bakery products, Machine for applying or spreading. C. G. Steffen. 1,966,268; July 10.
- Nut placer for tappers. W. L. Clouse. 1,944,653; Jan. 23.
- Nut, Self locking. E. J. Cole. 1,966,613; July 17.
- Nut shaving device. E. B. Knowles and J. J. Parnell. 1,955,640; Apr. 17.
- Nut, Sheet metal. E. Noyack. 1,957,282; May 1.
- Nut, Shell machine. D. L. Dowling. 1,983,441; Dec. 4.
- Nut, Spring. J. R. Hotchkiss. 1,978,364; Oct. 23.
- Nut tapping machine. H. E. Pruitt. 1,954,747; Apr. 10.
- Nut warmer. W. W. Kelly. 1,945,196; Jan. 30.
- Nuts and like articles, Making. R. L. Wilcox. 1,957,922; May 8.
- Nuts, Apparatus for blanching. E. T. Harbaugh. 1,979,384; Nov. 6.
- Nuts, Automatic manufacture of threaded. R. Staubo. 1,961,868; June 5.
- Nuts for shelling. Preparation of Brazil. J. E. and C. K. Bizzell. 1,985,235; Dec. 25.
- Nuts from balls, Manufacture of. W. Nussbaum. 1,970,430; Aug. 14.
- Nuts, Making. L. A. Frayer. 1,981,594; Nov. 20.
- Nuts, Making wing. A. W. Kimbell. 1,981,363; Nov. 20.
- Nuts, Manufacturing. J. M. G. Fullman. 1,984,873; Dec. 18.
- Nuts, Method and apparatus for making. H. J. Hogue. 1,982,054; Nov. 27.
- Nuts, Preserving the natural flavor and desired moisture content in Brazil. J. E. and C. K. Bizzell. 1,955,734; Apr. 24.
- Oar and oarlock, Collapsible. W. G. MacDougall. 1,953,008; May 8.
- Oar lock and suspender, Safety. A. Skindel and O. J. Gillespie. 1,949,635; Mar. 6.
- O-benzoyl-benzoic acid, Substituted. I. Gubelmann, H. J. Weiland, and H. B. Gottlieb. 1,970,908; Aug. 21.
- Object stage for projection apparatus. M. Hübschmann. 1,943,533; Jan. 16.
- Objective. L. Bertele. 1,975,677-8; Oct. 2.
- Objects, Apparatus for moving. E. J. Vallen. 1,957,509; May 8.
- Objects by radio, System for detecting. A. H. Taylor, L. C. Young, and L. A. Hyland. 1,981,884; Nov. 27.
- Objects in silicidized carbon or other similar substances, Manufacturing hard. A. L. Mingard. 1,982,012; Nov. 27.
- Observation device. H. Zimmerman. 1,957,378; May 1.
- Obstetrical table. C. Payne. 1,942,344; Jan. 2.
- Obstruction remover for sink drains and the like. W. F. Schacht. 1,980,999; Nov. 6.
- Obturing and distributing apparatus for fluids. E. E. Doué. 1,969,298; Aug. 7.
- Occlusal instrument. J. Sorenson. 1,976,045; Oct. 9.
- Ocular vitalizer. J. Pieper. 1,959,217; May 15.
- Odds indicator transmission mechanism for totalizer machines. G. A. and A. F. Julius. 1,963,907; June 19.
- Odometer and oiling indicator, Combined. J. A. Smith and A. E. Zierick. 1,948,946; Feb. 27.
- Odor absorber. M. Alex. 1,972,368; Sept. 4.
- Odorizing lamp. P. Larsen. 1,981,650; Nov. 20.
- Oestrus hormone, Manufacture of. E. P. Haussler. 1,969,608; Aug. 7.
- Off-bearing machine. G. E. Luce and R. G. Cox. 1,965,745; July 10.
- Office swivel chair. B. R. Smith. Des. 93,361; Sept. 18.
- Offset printing press. H. M. Barber. 1,972,470; Sept. 4.
- Ohmic resistances or the like, Apparatus for producing high. G. Seibt. 1,965,059; July 3.
- Oil absorption process. H. J. Nichols, jr., and P. E. Kuhl. 1,976,802; Oct. 16.
- Oil and air mixing device. H. R. Hyle. 1,962,956; June 12.
- Oil and for the reactivation of the catalyst therefor, Catalytic hydrogenation of hydrocarbon. R. P. Russell and M. W. Boyer. 1,955,253; Apr. 17.
- Oil and grease cup. O. T. Nelson. 1,964,298; June 26.
- Oil and making the same, Lubricating. A. E. Becker and W. S. Davis, jr. 1,966,111; July 10.
- Oil and other liquids, Apparatus for distilling crude. G. W. T. Beck. 1,974,701; Sept. 25.
- Oil and paraffin wax, Manufacture of lubricating. F. X. Govers. 1,964,985; July 3.
- Oil and preparing same, Lubricating. L. S. Bonnell. 1,953,039; Mar. 27.
- Oil and process of making, Oxidized linseed. A. Schwarzman. 1,949,028; Feb. 27.
- Oil and producing it, Drying. A. C. Johnston. 1,975,211; Oct. 2.
- Oil and product derived therefrom, Mixed synthetic. C. G. Gauerke. 1,979,260; Nov. 6.
- Oil and refrigerating medium in refrigerating systems, Method of and apparatus for circulating. A. J. Mallinckrodt. 1,976,079; Oct. 9.
- Oil and resinous bodies, Incorporating. M. B. Hopkins. 1,948,267; Feb. 20.
- Oil and testing the same, Chassis lubricating. J. Bijur. 1,944,164; Jan. 23.
- Oil and water emulsions, Apparatus for dehydrating. W. C. Bailey. 1,983,832; Dec. 11.
- Oil and water separator and petroleum purifier. W. D. Champion. 1,943,367-8; Jan. 16.
- Oil and wax, Separation of. S. W. Ferris. 1,941,601; Jan. 2.
- Oil, Apparatus for catalyzing. R. Oppenheim. 1,974,722; Sept. 25.
- Oil, Apparatus for conveying. G. M. Booth and R. W. Tryon. 1,966,113; July 10.
- Oil, Apparatus for cracking. G. Egloff. 1,965,334; July 3.
- Oil, Apparatus for distilling hydrocarbon. R. E. Wilson. 1,966,746; July 17.
- Oil, Apparatus for heating and cracking. L. L. Rebber, A. S. Crossfield, and E. G. Ragatz. 1,979,639; Nov. 6.
- Oil, Apparatus for removing waste. W. Umont. 1,973,235; Sept. 11.
- Oil burner. G. N. Albree. 1,951,641; Mar. 20.
- Oil burner. O. L. Bock. 1,950,161; Mar. 6.
- Oil burner. M. Brittain. 1,951,818; Mar. 20.
- Oil burner. W. S. Caswell. 1,975,922; Oct. 9.
- Oil burner. A. J. Center. 1,968,126; July 31.
- Oil burner. S. Darling. 1,962,553; June 12.
- Oil burner. E. E. Dehart. 1,951,648; Mar. 20.
- Oil burner. J. Fioroni. 1,973,165; Sept. 11.
- Oil burner. R. H. Goodrich. 1,965,411; July 3.
- Oil burner. S. J. Heiman. 1,960,008; May 22.
- Oil burner. H. B. Heineke and A. Nielsen. 1,953,711; Apr. 3.
- Oil burner. A. O. Higinbotham. 1,953,483; Apr. 3.
- Oil burner. A. R. Hoeft. 1,948,857; Feb. 27.
- Oil burner. A. Hofstatter. 1,948,420; Feb. 20.
- Oil burner. C. D. Johnson. 1,956,506; Apr. 24.
- Oil burner. W. B. Kerrick. 1,974,818; Sept. 25.
- Oil burner. J. C. Korth. 1,977,798; Oct. 23.
- Oil burner. J. W. and J. G. Newbery. 1,961,072; May 29.
- Oil burner. R. G. Noble. 1,959,035; May 15.
- Oil burner. S. Perry. 1,971,874; Aug. 28.
- Oil burner. J. G. Redshaw. 1,975,288; Oct. 2.
- Oil burner. D. B. Roberts. 1,948,188; Feb. 20.
- Oil burner. J. F. Ryan. 1,947,741; Feb. 20.
- Oil burner. F. W. Scheifele. 1,985,799; Dec. 25.
- Oil burner. S. G. Smith. 1,982,359; Nov. 27.
- Oil burner. L. F. Spear. Re19,176; May 22.
- Oil burner. W. B. Sturgis. 1,968,360; July 31.
- Oil burner. W. E. Taft. 1,949,382; Feb. 27.
- Oil burner. C. B. Thorne and P. W. Cushman. 1,963,340; June 19.
- Oil burner. R. W. Titmas. 1,944,043; Jan. 16.
- Oil burner. C. R. Wilson. 1,973,456; Sept. 11.

- Oil burner. F. Wolff. 1,975,033; Sept. 25.
 Oil burner. H. H. Yerk. Des. 93,593; Oct. 9.
 Oil burner casing. O. H. Neuenfeldt. Des. 93,418; Sept. 25.
 Oil burner casing. W. J. Smith. Des. 93,295; Sept. 11.
 Oil burner. Fuel. M. J. Kelly. 1,984,187; Dec. 11.
 Oil burner. Gravity feed. B. C. and O. M. Moxley. 1,957,019; May 1.
 Oil burning apparatus. F. A. Heath. 1,954,293; Apr. 10.
 Oil burning apparatus. F. A. Heath. 1,979,465; Nov. 6.
 Oil burning apparatus. H. T. Purcell. 1,981,248; Nov. 20.
 Oil burning apparatus. W. P. Schenck. 1,966,524; July 17.
 Oil burning apparatus. W. P. Schenck and J. Mazzoli. 1,949,260; Feb. 27.
 Oil burning engine. Low compression. H. A. Palmer. 1,978,321; Oct. 23.
 Oil burning heater. W. T. Bradbury. Des. 91,312; Jan. 9.
 Oil burning heater. E. G. Holthaus. 1,948,662; Feb. 27.
 Oil burning system. Automatically controlled. A. Hilken. 1,975,423; Oct. 2.
 Oil by aluminum chloride. Apparatus for refining mineral. B. E. Carl. 1,963,259; June 19.
 Oil can. M. F. Parker. 1,951,107; Mar. 13.
 Oil circuit breaker. G. R. Langley. 1,960,057; May 22.
 Oil cleaner. G. G. Somers. 1,972,057; Aug. 28.
 Oilcloth. A. B. Buchanan. 1,956,343; Apr. 24.
 Oil, Coking. A. Fisher. 1,971,906; Aug. 28.
 Oil, Coking heavy petroleum. C. J. Ramsburg. 1,971,834; Aug. 28.
 Oil, Coking of. J. C. Morrell. 1,980,218; Nov. 13.
 Oil, Color-stabilized mineral. V. Voorhees. 1,973,676; Sept. 11.
 Oil content of soya. Reducing. L. W. Haas and H. O. Renner. 1,947,200; Feb. 13.
 Oil conversion. A. G. Peterkin, Jr. 1,943,696; Jan. 16.
 Oil conversion, Hydrocarbon. J. G. Alther. 1,963,605; June 19.
 Oil conversion, Hydrocarbon. J. G. Alther. 1,982,462; Nov. 27.
 Oil conversion, Hydrocarbon. D. F. Gerstenberger. 1,945,604; Feb. 6.
 Oil conversion, Hydrocarbon. L. C. Huff. 1,980,204; Nov. 13.
 Oil conversion, Hydrocarbon. J. B. Jacob. 1,954,133; Apr. 10.
 Oil conversion, Hydrocarbon. J. C. Morrell. 1,966,639; July 17.
 Oil conversion, Hydrocarbon. N. G. de Rachat. 1,979,532; Nov. 6.
 Oil conversion, Hydrocarbon. J. D. Seguy. 1,949,765; Mar. 6.
 Oil conversion, Hydrocarbon. J. D. Seguy. 1,957,810; May 8.
 Oil conversion, Hydrocarbon. J. M. Wadsworth. 1,952,692; Mar. 27.
 Oil, Conversion of hydrocarbon. G. Egloff and A. Fisher. 1,963,264; June 19.
 Oil cooled valve. R. Jardine. 1,953,611; Apr. 3.
 Oil cooler. T. P. Chase. 1,953,927; Apr. 10.
 Oil cooler. J. E. Kline. 1,983,466; Dec. 4.
 Oil cooler. L. M. Monroe. 1,945,287; Jan. 30.
 Oil cooler. C. R. Schenck. 1,968,621; July 31.
 Oil coolers. A. Tebaldi. 1,969,864; Aug. 14.
 Oil, Core. E. H. Payne. 1,970,916; Aug. 21.
 Oil cracking apparatus. I. W. Henry. 1,983,028; Dec. 4.
 Oil, Cracking hydrocarbon. N. Mayer. 1,974,683; Sept. 25.
 Oil, Cracking hydrocarbon. H. A. Smith. 1,949,029; Feb. 27.
 Oil, Cracking mineral. A. E. Pew, Jr. 1,946,329; Feb. 6.
 Oil, Decolorizing mineral. C. Tietig. 1,974,089; Sept. 18.
 Oil, Dehydrating. R. E. Manley and A. F. Knoss. 1,972,454; Sept. 4.
 Oil demonstrator or the like. J. Toigo. Des. 91,743; Mar. 13.
 Oil, Device for dispensing lubricating. F. J. O'Brien. 1,974,994; Sept. 25.
 Oil, Dewaxing hydrocarbon. M. L. Langworthy. 1,956,036; Apr. 24.
 Oil, Dewaxing of. P. J. Carlisle. 1,978,010; Oct. 23.
 Oil dispenser. J. F. Carter. Des. 92,945; Aug. 7.
 Oil dispenser. W. W. Hodgson. 1,975,003; Sept. 25.
 Oil dispensing device. J. C. McFerran, Jr. 1,960,389; May 29.
 Oil dispensing device. W. F. Punte. 1,980,433; Nov. 13.
 Oil distillation. J. S. Wallis. 1,951,497; Mar. 20.
 Oil, Distillation of hydrocarbon. M. G. Paulus. 1,983,919; Dec. 11.
 Oil distributing and apportioning device. G. Nemetz. 1,953,564; Apr. 3.
 Oil, Dressing, sizing and softening. B. Rewald. 1,946,332; Feb. 6.
 Oil drill mud reclamation. E. J. Maust and G. L. Benjamin. 1,961,232; June 5.
 Oil, Electrical insulating. S. W. Ferris. 1,969,737; Aug. 14.
 Oil emulsion treating apparatus. J. B. Turner. 1,948,481; Feb. 20.
 Oil engine. C. A. Owens and R. O. Bresler. 1,966,079; July 10.
 Oil excluding ring. P. J. Fitzgerald. 1,950,724; Mar. 13.
 Oil filter. F. F. Emory. 1,948,654; Feb. 27.
 Oil filtering and rectifying device. F. C. Frölander and M. Czarny. 1,950,487; Mar. 13.
 Oil filtration system. C. W. McKinley. 1,955,822; Apr. 24.
 Oil from hydrogen sulphide. Purifying hydrocarbon. C. J. Smith. 1,942,071; Jan. 2.
 Oil from the crank cases of engines. Apparatus for removing. E. J. Sweetland. 1,962,623; June 12.
 Oil from thermatomic carbon. Apparatus for removing. C. Miller. 1,947,789; Feb. 20.
 Oil fuel feed device. J. E. Blanding. 1,980,743; Nov. 13.
 Oil gas generator. L. B. Harris. 1,957,535; May 8.
 Oil gas generator. V. D. McDonnell. 1,978,054; Oct. 23.
 Oil gauge. Lubricating. L. C. Ritnour. 1,965,781; July 10.
 Oil gauge. Wipeless. C. W. Hollingsworth. 1,981,270; Nov. 20.
 Oil gel composition and producing the same. J. T. Baldwin. 1,971,636; Aug. 28.
 Oil gel. Producing an oxidized. J. T. Baldwin. 1,971,634; Aug. 28.
 Oil gels and product therefrom. Treating. J. T. Baldwin. 1,971,633; Aug. 28.
 Oil, Heat treating. E. B. Peck and C. E. Kleiber. 1,981,826; Nov. 20.
 Oil, Heat treating hydrocarbon. W. F. Sims and V. U. Cloer. 1,981,572; Nov. 20.
 Oil heater. A. E. Harnsberger and C. L. Smith. 1,944,318; Jan. 23.
 Oil heater. J. Primrose. 1,954,647; Apr. 10.
 Oil heater. W. A. Stewart. 1,980,301; Nov. 13.
 Oil heater. J. T. Voorhees. 1,948,550; Feb. 27.
 Oil heater. M. K. Weigel. 1,973,239; Sept. 11.
 Oil, Heating and cracking. A. G. Page. 1,965,945; July 10.
 Oil heating and lubricating device for engine cylinders. E. J. Doyle. 1,971,976; Aug. 28.
 Oil heating apparatus. I. W. Henry. 1,983,029; Dec. 4.
 Oil heating device. H. W. Hildebrand, Jr., and H. W. Titley. 1,949,471; Mar. 6.
 Oil impregnation of wood. C. B. Edwards. 1,967,990; July 24.
 Oil in cooling compartment of ice cream freezers. Apparatus for preventing accumulation of. J. T. Smith. 1,968,508; July 31.
 Oil in the manufacture of carburetted water gas. Use of heavy. J. A. Perry. 1,949,811; Mar. 6.
 Oil injector, Lubricated. C. C. Christ. 1,945,678; Feb. 6.
 Oil into gasoline. Apparatus for introducing lubricating. A. I. Babendreier and W. F. Dale. 1,946,473; Feb. 13.
 Oil leaks in cables. Apparatus for locating. L. Emanuelli. 1,944,637; Jan. 23.
 Oil level switch. J. Kalin. 1,945,317; Jan. 30.
 Oil, Lubricating. H. T. Bennett and L. G. Story. 1,942,636; Jan. 9.
 Oil, Lubricating. A. Henriksen and B. H. Lincoln. 1,959,054; May 15.
 Oil, Lubricating. F. R. Lang. 1,974,778; Sept. 25.
 Oil, Lubricating. B. H. Lincoln. 1,945,614; Feb. 6.
 Oil, Lubricating. B. H. Lincoln and A. Henriksen. 1,945,615; Feb. 6.
 Oil, Lubricating. J. F. Werder. 1,971,243; Aug. 21.
 Oil, Manufacture of lubricating. G. Egloff. 1,960,625; May 29.
 Oil, Manufacture of lubricating. C. F. Spencer. 1,973,118-19; Sept. 11.
 Oil, Method of and apparatus for distillation of. H. M. Graham. 1,961,211; June 5.
 Oil mileage indicator. A. H. Moecker. 1,948,427; Feb. 20.
 Oil press. G. E. Ryan. 1,980,000; Nov. 6.
 Oil pressure actuated switch. A. Lekner. 1,944,012; Jan. 16.
 Oil pressure relief valve. H. Caminez. 1,948,479; Feb. 20.
 Oil process. Lubricating. V. Voorhees and J. A. Anderson. 1,980,649; Nov. 13.
 Oil, Producing an aromatic lubricating. R. C. Osterstrom. 1,955,596; Apr. 17.
 Oil, Producing lubricating. U. B. Bray. 1,944,491; Jan. 23.
 Oil, Producing lubricating. U. B. Bray and C. E. Swift. 1,948,164; Feb. 20.
 Oil, Producing lubricating. R. C. Osterstrom. 1,973,824; Sept. 18.
 Oil, Production of lubricating. D. R. Merrill and P. Subkow. 1,948,042; Feb. 20.
 Oil products from fatty acids. Manufacture of thickened, bodied. L. Auer and L. Susztek. 1,963,065; June 19.
 Oil products from fatty oils. Manufacture of modified. L. Auer. 1,957,437; May 8.
 Oil products from fatty oils. Manufacture of modified. L. Auer. 1,985,230; Dec. 25.
 Oil pump. C. E. Jacobs. 1,956,865; May 1.
 Oil pump. G. L. Kolberg. 1,961,769; June 5.
 Oil pumping apparatus. G. C. Engstrand. 1,952,061; Mar. 27.
 Oil pumping apparatus. G. C. Engstrand. 1,964,726; July 3.
 Oil pumping apparatus. G. C. Engstrand and C. A. G. Armstrong. 1,967,231; July 24.
 Oil, Purifying. C. W. Garrison. 1,973,895; Sept. 18.
 Oil, Purifying. C. J. Rodman and R. P. Dunmire. 1,951,739; Mar. 20.
 Oil purifying apparatus. L. Cammen. 1,955,903; Apr. 24.
 Oil-purifying apparatus for hydrocarbon engines. J. A. Watson. 1,951,683; Mar. 20.
 Oil, Purifying hydrocarbon. L. De Florez. 1,956,525; Apr. 24.
 Oil reclaiming. F. W. Brazel, A. D. Redner, R. L. Skinner, and P. Williams. 1,966,484; July 17.
 Oil reclaiming device. M. H. Stevens. 1,965,675; July 10.

- Oil reclaiming machine. P. C. Stroud and R. L. Brace. 1,975,594; Oct. 2.
- Oil Refining. H. W. Camp. 1,961,898; June 5.
- Oil Refining. S. E. Campbell. 1,953,336; Apr. 3.
- Oil Refining. R. T. Howes. 1,966,010; July 10.
- Oil refining. J. S. Wallis. 1,945,581; Feb. 6.
- Oil Refining a benzenoid. A. Kemper. 1,942,062; Jan. 2.
- Oil Refining a benzenoid hydrocarbon. G. G. Desy. 1,961,204; June 5.
- Oil Refining airplane engine. A. B. Brown and A. W. Neeley. 1,980,377; Nov. 13.
- Oil refining apparatus. C. H. Leach. Re19,378; Nov. 20.
- Oil refining apparatus. N. Weber. 1,985,063; Dec. 18.
- Oil Refining hydrocarbon. C. R. Baker. 1,974,170; Sept. 18.
- Oil Refining hydrocarbon. R. E. Manley and H. H. Gross. 1,971,753; Aug. 28.
- Oil Refining hydrocarbon. C. W. Stratford. 1,975,987; Oct. 9.
- Oil Refining mineral. M. A. Dietrich. 1,960,698; May 29.
- Oil Refining mineral. A. E. Flowers. 1,959,712; May 22.
- Oil Refining mineral. F. X. Govers. 1,974,621; Sept. 11.
- Oil Refining of cotton seed. M. Schellmann. 1,981,605; Nov. 20.
- Oil regulator for pneumatic tools. F. B. Hamerly. 1,956,644; May 1.
- Oil removing device for refrigerator evaporators. R. H. Money. 1,978,027; Oct. 23.
- Oil reservoir for bearings. A. Bullmer. 1,967,705; July 24.
- Oil retainer. L. A. Johnson. 1,963,849; June 19.
- Oil return device for flooded evaporators. T. C. Fedders and F. G. Slagel. 1,965,544; July 3.
- Oil Rust-proofing. L. G. Benton, H. R. Tate, and E. R. Lewtas. 1,943,808; Jan. 16.
- Oil sampling valve. G. J. Belknap. 1,984,626; Dec. 18.
- Oil sand protector. E. Ward. 1,981,158; Nov. 20.
- Oil saver. W. O. Bickerstaff. 1,944,398; Jan. 23.
- Oil saver. A. G. Heggem. 1,982,252; Nov. 27.
- Oil saver. R. F. Parks. 1,985,327; Dec. 25.
- Oil-sealing device. C. R. Hubbard and R. M. Waples. 1,942,705; Jan. 9.
- Oil sealing device. C. R. Hubbard and R. M. Waples. 1,969,797; Aug. 14.
- Oil Separating components of pine. L. T. Smith. 1,961,398; June 5.
- Oil separation. J. T. Welsh. 1,985,591; Dec. 25.
- Oil servicer. Canned. H. R. Johnson. 1,981,177; Nov. 20.
- Oil shale Hydrogenating and distilling. R. H. McKee. 1,941,809; Jan. 2.
- Oil sludge Method of and apparatus for treatment of. J. T. Rutherford. 1,983,678; Dec. 11.
- Oil Soluble. A. L. Blount and D. W. Boardman. 1,965,935; July 10.
- Oil, Stable white. R. G. Sloane. 1,966,050; July 10.
- Oil still tube. S. Dayson. 1,972,040; Aug. 28.
- Oil stocks with liquid sulphur dioxide Treating lubricating. W. Grote and P. Obergfell. 1,945,500; Jan. 30.
- Oilstone sharpening apparatus. F. E. Gallagher. 1,946,968; Feb. 13.
- Oil sulphates, Obtaining mineral. W. T. Reddish and L. D. Myers. 1,960,828; May 29.
- Oil temperature control system for motor vehicles, Automatic. C. J. Hardison. 1,968,828; Aug. 7.
- Oil tester using radio frequency. V. A. Schoenberg. 1,960,168; May 22.
- Oil Testing. V. A. Schoenberg. Re19,255; July 24.
- Oil to produce a liquid ungelled oil and product thereof. Treatment of China wood. F. M. Reece. Re19,307; Sept. 4.
- Oil Treating. G. A. Reischwenger. 1,970,796; Aug. 21.
- Oil Treating. U. B. Bray. 1,949,989; Mar. 6.
- Oil treating systems, Anticipating failure in. L. de Florez. 1,977,177; Oct. 16.
- Oil Treating wash. I. H. Jones. 1,949,746; Mar. 6.
- Oil treatment Hydrocarbon. W. M. Malisoff. 1,972,102; Sept. 4.
- Oil Treatment of fuel. R. E. Haylett. 1,956,286; Apr. 24.
- Oil Treatment of hydrocarbon. A. Fisher. 1,974,303; Sept. 18.
- Oil Treatment of hydrocarbon. W. H. McAdams and H. C. Weber. 1,980,215; Nov. 13.
- Oil Treatment of hydrocarbon. J. C. Morrell. 1,949,486; Mar. 6.
- Oil Treatment of wet. J. C. Walker. 1,944,021; Jan. 16.
- Oil vapors Refining hydrocarbon. H. T. Darlington. 1,944,877; Jan. 30.
- Oil wax separation system. C. E. Adams. 1,948,018; Feb. 20.
- Oil well apparatus. W. W. Bryant. 1,946,304; Feb. 6.
- Oil well plug. J. R. Branch. 1,974,172; Sept. 18.
- Oil well pump. H. L. Dorn and W. A. Clark. 1,942,020; Jan. 2.
- Oil well pump. W. A. McGregor. 1,971,270; Aug. 21.
- Oil well pump Deep. O. S. Proctor. 1,973,541; Sept. 11.
- Oil wells and device therefor, Orienting. E. J. Grant. 1,955,286; Apr. 17.
- Oil wells and the like, Preventing choking of. J. T. King. 1,979,558; Nov. 6.
- Oil wells, Increasing the production of. H. R. Straight. 1,978,655; Oct. 30.
- Oil wells, Method and apparatus for controlling. W. J. Crites and D. R. Knowlton. 1,961,280; June 5.
- Oil wells, Method of and apparatus for drilling. N. E. Price. 1,981,525; Nov. 20.
- Oil wells, Process and apparatus for producing. E. P. Halliburton. 1,964,912; July 3.
- Oilier. E. Leaverton. 1,971,224; Aug. 21.
- Oilier and waxer, Floor. E. F. Hawley. 1,943,606; Jan. 16.
- Oilier, Flange. P. I. Roberts. 1,944,272; Jan. 23.
- Oilier for silk coning machines, Silk thread. M. Morrell, E. J. Carlucci, and A. H. Robbins. 1,953,863; Apr. 3.
- Oilier, Overhead valve. G. L. Baughman. 1,949,003; Feb. 27.
- Oilier, Pressure hand. A. E. Straub. 1,957,735; May 8.
- Oilier, Rail. G. M. Osterberg. 1,944,666; Jan. 23.
- Oilier, Razor blade. L. H. Coggins. 1,974,175; Sept. 18.
- Oiling device. F. S. Payne. 1,958,346; May 8.
- Oils and coal, Treatment of hydrocarbon. C. H. Alberding. 1,969,772; Aug. 14.
- Oils and coal, Treatment of hydrocarbon. J. C. Morrell. 1,972,944; Sept. 11.
- Oils and coke from oil-bearing residues, Recovery of. M. Pier, K. Winkler, and H. Schmitt. 1,950,811; Mar. 13.
- Oils and fats, Apparatus for continuous extraction of. K. Hildebrandt. 1,961,420; June 5.
- Oils and fats, Manufacture of sulphonated. R. Huttenlocher. 1,943,319; Jan. 16.
- Oils and fats, Refining vegetable and animal. W. Gensecke. 1,968,252; July 31.
- Oils and fats the unsaponifiable fraction possessing the vitamin potency present therein, Separating or extracting from. C. L. Barthen. 1,984,858; Dec. 18.
- Oils and for converting incombustible oils into homogeneous fuels, Purifying. A. Haack. 1,957,954; May 8.
- Oils and other liquids, Decolorizing and clarifying mineral. A. B. Cummins. 1,959,346; May 22.
- Oils and other liquids, Equipment for holding. S. Burwen. 1,955,225; Apr. 17.
- Oils and other similar products with a view to their conversion into lighter products, Apparatus for the treatment of heavy. A. Joseph. 1,957,652; May 8.
- Oils and particularly pressure distillate, Stabilization of light hydrocarbon. J. K. Roberts and G. W. Watts. 1,951,840; Mar. 20.
- Oils and preparing, Polymerized and oxidized. A. Schwarzman. 1,958,372; May 8.
- Oils and producing ethylene, Cracking hydrocarbon. L. C. Huff. 1,962,198; June 12.
- Oils and the like for the conversion thereof into lighter products, Process and apparatus for the treatment of heavy. E. Houdry. 1,957,648; May 8.
- Oils, Apparatus for cracking hydrocarbon. E. S. Dixon. 1,950,786; Mar. 13.
- Oils, Apparatus for cracking hydrocarbon. R. C. Powell. 1,947,110; Feb. 13.
- Oils, Apparatus for fractionating hydrocarbon. W. K. Holmes and A. T. Dudley. 1,965,549; July 3.
- Oils, Apparatus for purifying insulating and lubricating. P. B. Renfrew. 1,962,463; June 12.
- Oils, Apparatus for reconditioning used. J. J. Carpenter. 1,981,089; Nov. 20.
- Oils, Apparatus for the conversion of hydrocarbon. J. F. Donnelly. 1,957,945; May 8.
- Oils by hydrogenation, Desulphurization of hydrocarbon. M. Pier and W. Simon. 1,975,475; Oct. 2.
- Oils, Coking hydrocarbon. G. R. Lord. 1,966,801; July 17.
- Oils, Conversion and coking of hydrocarbon. J. D. Seguy. 1,960,598; May 29.
- Oils, Conversion of hydrocarbon. J. F. Donnelly. 1,957,946; May 8.
- Oils, conversion of hydrocarbon. G. Egloff. 1,949,460; Mar. 6.
- Oils, Conversion of hydrocarbon. J. B. Heid. 1,981,144; Nov. 20.
- Oils, Conversion of hydrocarbon. L. C. Huff. 1,946,938; Feb. 13.
- Oils, Conversion of hydrocarbon. L. C. Huff. 1,957,780; May 8.
- Oils, Conversion of hydrocarbon. K. Swartwood. 1,984,662; Dec. 18.
- Oils, Conversion of petroleum. A. R. Workman. 1,982,091; Nov. 27.
- Oils, Converting. L. Kirschbraun. 1,949,480; Mar. 6.
- Oils, Converting by catalysis mineral and vegetable. R. Oppenheim. 1,960,951; May 29.
- Oils, Converting hydrocarbon. O. Behimer. 1,978,072; Oct. 23.
- Oils, Converting hydrocarbon. R. C. Cook. 1,956,856; May 1.
- Oils, Converting hydrocarbon. J. K. Roberts. 1,985,214; Dec. 18.
- Oils, Cracking heavy hydrocarbon. J. G. Alther. 1,965,168; July 3.
- Oils, Cracking hydrocarbon. G. Egloff. 1,982,469; Nov. 27.
- Oils, Cracking hydrocarbon. A. W. Jurrisen, A. B. Cox, and A. M. Wood. 1,946,939; Feb. 13.
- Oils, Cracking hydrocarbon. J. C. Morrell and G. Egloff. 1,973,498; Sept. 11.
- Oils, Cracking hydrocarbon. E. F. Nelson. 1,978,593; Oct. 30.
- Oils, Cracking hydrocarbon. J. D. Seguy. 1,954,331; Apr. 10.
- Oils, Cracking of hydrocarbon. N. G. de Rachat. 1,973,471; Sept. 11.
- Oils, Cracking of hydrocarbon. U. S. Jenkins. 1,975,549; Oct. 2.

- Oils, Cracking of hydrocarbon. J. C. Morrell. 1,966,640; July 17.
- Oils, Cracking of hydrocarbon. H. C. Weber and W. H. McAdams. 1,960,608; May 29.
- Oils, Decolorizing. S. E. Campbell. 1,985,717; Dec. 25.
- Oils, Destearinizing fatty. G. L. Parkhurst and V. Voorhees. 1,974,542; Sept. 25.
- Oils, Destructive hydrogenation of heavy hydrocarbon. E. B. Peck, C. E. Kleiber, and F. M. Archibald. 1,955,862; Apr. 24.
- Oils, Desulphurizing hydrocarbon. I. Levine. 1,950,735; Mar. 13.
- Oils, Dewaxing hydrocarbon. C. E. Adams. 1,968,239; July 31.
- Oils, Dewaxing hydrocarbon. G. R. Lord. 1,963,498; June 19.
- Oils, Dewaxing mineral. R. N. Giles. 1,943,236; Jan. 9.
- Oils, Dewaxing mineral. V. Voorhees. 1,956,780; May 1.
- Oils, Dewaxing of petroleum. L. D. Jones. Re19,303; Sept. 4.
- Oils, Dewaxing petroleum. E. W. Reid. 1,947,359; Feb. 13.
- Oils, Distillation of hydrocarbon. L. Link. 1,955,246; Apr. 17.
- Oils, Distilling. H. L. Doherty. 1,984,522; Dec. 18.
- Oils, Distilling. W. F. Moore. Re19,104; Mar. 6.
- Oils, Distilling heavy petroleum. G. B. Coubrough. 1,963,888; June 19.
- Oils, Extracting lubricating. I. Rosenberg. 1,958,369; May 8.
- Oils, Extraction and dewaxing of lubricating. F. X. Govers. 1,945,350; Jan. 30.
- Oils, fats, or acids thereof and manufacturing the same, Sulphonated. R. Kern. 1,980,342; Nov. 13.
- Oils for dewaxing, Chilling lubricating. E. Ellsberg. 1,974,398; Sept. 18.
- Oils from heavy hydrocarbon oils, Obtaining valuable high boiling and low boiling. P. L. Young. 1,949,230; Feb. 27.
- Oils from mineral oils, Manufacture of medicinal. A. Lazar. 1,964,953; July 3.
- Oils from solid carbonaceous material, Production of. J. M. Jennings. 1,950,309; Mar. 6.
- Oils from sulphur dioxide, Freeing. R. K. Stratford and W. P. Doohan. 1,954,959; Apr. 17.
- Oils from the distillation of coal, Obtaining valuable light. C. Still. 1,946,721; Feb. 13.
- Oils, Hydrocarbon. J. C. Morrell. 1,969,316; Aug. 7.
- Oils, Hydrogenating hydrocarbon. C. T. Harding. 1,951,792; Mar. 20.
- Oils, Hydrogenation of. D. E. Payne. 1,972,948; Sept. 11.
- Oils, Hydrogenation of. P. L. Young. 1,954,972; Apr. 17.
- Oils, Illuminating. E. M. Clark. 1,960,203; May 22.
- Oils in vapor phase, Cracking. P. C. Keith, jr. 1,872,149; Sept. 4.
- Oils, Lubricating. B. H. Lincoln and A. Henriksen. 1,944,941; Jan. 30.
- Oils, Lubricating. F. W. Sullivan, jr., and V. Voorhees. 1,955,260; Apr. 17.
- Oils, Manufacture of blown. A. Schwarzman. 1,958,373; May 8.
- Oils, Manufacture of composite air-blown. A. Schwarzman. 1,958,374; May 8.
- Oils, Manufacture of sulphonated. E. Pohl. 1,955,766; Apr. 24.
- Oils, Manufacture of vulcanized heat bodied fatty. L. Auer. 1,985,231; Dec. 25.
- Oils, Manufacturing lubricating. J. Hansen. 1,956,716; May 1.
- Oils, Method and apparatus for distillation of. B. G. Aldridge. 1,955,721; Apr. 24.
- Oils, Method and apparatus for filtering hydrocarbon. W. C. Child and G. A. Beiswenger. 1,943,811; Jan. 16.
- Oils, Method and apparatus for heating. R. F. Dorsch. 1,953,395; Apr. 3.
- Oils, Method and apparatus for heating and cracking. E. W. Gard and P. Subkow. 1,980,330; Nov. 13.
- Oils, Method and apparatus for removing. R. J. Garofalo. 1,948,345; Feb. 20.
- Oils, Method and apparatus for treating hydrocarbon. R. E. Barry. 1,952,527; Mar. 27.
- Oils, Method of and apparatus for cracking. L. de Florez. 1,962,235; June 12.
- Oils, Method of and apparatus for mixing. E. S. Pearce. 1,971,379; Aug. 28.
- Oils, Neutralization of hydrocarbon. L. Caldwell and R. T. Howes. 1,941,970; Jan. 2.
- Oils, Process and apparatus for converting. C. P. Dubbs. 1,946,463; Feb. 6.
- Oils, Process and apparatus for converting hydrocarbon. E. W. Beardsley and A. P. Sachs. 1,985,233; Dec. 25.
- Oils, Process and apparatus for cracking. W. F. Moore. 1,985,053; Dec. 18.
- Oils, Process and apparatus for cracking hydrocarbon. G. Egloff. 1,965,335; July 3.
- Oils, Process and apparatus for treating. C. P. Dubbs. 1,975,315; Oct. 2.
- Oils, Process for refining. F. W. Hall. 1,969,694; Aug. 7.
- Oils, Process of and apparatus for cracking hydrocarbon. J. B. Webre. 1,980,839; Nov. 13.
- Oils, Processing hydrocarbon. J. C. Black. 1,945,508; Feb. 6.
- Oils, Producing lubricating. H. R. Snow. 1,970,402; Aug. 14.
- Oils, Production of high quality lubricating. H. Zorn. 1,965,952; July 10.
- Oils, Production of valuable lubricating. M. Pier and F. Christmann. 1,965,390; July 3.
- Oils, Production of viscous. M. Pier and A. and O. Eisenhut. 1,964,891; July 3.
- Oils, Purification of hydrocarbon. C. P. Dubbs. 1,952,703; Mar. 27.
- Oils, Purification of hydrocarbon. D. M. Evans and W. C. Dorsett. 1,957,449; May 8.
- Oils, Purification of hydrocarbon. W. M. Malisoff. 1,948,528; Feb. 27.
- Oils, Purifying and sweetening hydrocarbon. W. A. Schulze and F. E. Frey. 1,964,219; June 26.
- Oils, Purifying used mineral lubricating. F. J. F. Karthaus. 1,982,992; Dec. 4.
- Oils, Purifying vegetable. L. F. Appleton. 1,973,790; Sept. 18.
- Oils, Refinement of vitamin-containing unsaponifiable matter of. A. Black. 1,983,654; Dec. 11.
- Oils, Refining. G. E. McCloskey. 1,981,626; Nov. 20.
- Oils, Refining hydrocarbon. J. A. Buchel and R. N. Jan Saal. 1,945,516; Feb. 6.
- Oils, Refining hydrocarbon. R. B. Day. 1,970,284; Aug. 14.
- Oils, Refining hydrocarbon. H. H. Gross. 1,962,103; June 5.
- Oils, Refining hydrocarbon. R. T. Haslam. 1,966,624; July 17.
- Oils, Refining hydrocarbon. J. W. Ingram. 1,973,901; Sept. 18.
- Oils, Refining hydrocarbon. A. Lachman. 1,945,114; Jan. 30.
- Oils, Refining hydrocarbon. R. S. Vose. 1,952,616; Mar. 27.
- Oils, Refining mineral. L. Rosenstein. 1,974,724; Sept. 25.
- Oils, Refining mineral. L. Rosenstein. 1,974,725; Sept. 25.
- Oils, Refining of cracked hydrocarbon. J. C. Morrell. 1,949,756; Mar. 6.
- Oils, Refining of vegetable and animal. L. Rosenstein and W. J. Hund. 1,963,505; June 19.
- Oils, Refining treatment of hydrocarbon. J. C. Morrell. 1,950,739; Mar. 13.
- Oils through partial combustion, Gasifying of heavy. C. Chilowsky. 1,966,610; July 17.
- Oils to produce light oils, Apparatus for cracking hydrocarbon. G. Egloff and H. P. Benner. 1,948,567; Feb. 27.
- Oils, Treating. D. G. Brandt. 1,985,440; Dec. 25.
- Oils, Treating. G. Egloff. 1,962,488; June 12.
- Oils, Treating. W. M. Stratford. 1,954,431; Apr. 10.
- Oils, Treating hydrocarbon. O. Behimer. 1,979,437; Nov. 6.
- Oils, Treating hydrocarbon. C. P. Dubbs. 1,958,267; May 8.
- Oils, Treating hydrocarbon. G. Egloff. 1,954,867; Apr. 17.
- Oils, Treating hydrocarbon. G. W. Gray. 1,965,074-5; July 3.
- Oils, Treating hydrocarbon. V. N. Jenkins and W. M. Stratford. 1,953,612; Apr. 3.
- Oils, Treating hydrocarbon. A. Lazar. 1,976,177; Oct. 9.
- Oils, Treating hydrocarbon. A. Lazar and J. M. Evans. 1,953,353; Apr. 3.
- Oils, Treating hydrocarbon. C. W. Mackay. 1,950,058; Mar. 6.
- Oils, Treating hydrocarbon. H. P. Parrigin and R. P. Currie. 1,948,003; Feb. 20.
- Oils, Treating hydrocarbon. H. V. Rees and C. F. Teichmann. 1,955,607; Apr. 17.
- Oils, Treating hydrocarbon. A. F. Spiehler and C. R. Wagner. 1,963,178; June 19.
- Oils, Treating hydrocarbon. W. M. Stratford. 1,952,898; Mar. 27.
- Oils, Treating hydrocarbon. W. M. Stratford. 1,958,959; May 15.
- Oils, Treating hydrocarbon. W. M. Stratford. 1,962,752; June 12.
- Oils, Treating lubricating. W. O. Keeling. 1,974,777; Sept. 25.
- Oils, Treating mineral. R. K. Stratford. 1,960,461; May 29.
- Oils, Treating mineral lubricating. S. H. Diggs and J. M. Page, jr. 1,976,544; Oct. 9.
- Oils, Treatment of hydrocarbon. J. G. Alther. 1,974,295; Sept. 18.
- Oils, Treatment of hydrocarbon. C. H. Angell. 1,972,914; Sept. 11.
- Oils, Treatment of hydrocarbon. C. H. Angell. 1,983,688; Dec. 11.
- Oils, Treatment of hydrocarbon. W. L. Benedict. 1,971,172; Aug. 21.
- Oils, Treatment of hydrocarbon. H. P. Benner. 1,978,562; Oct. 30.
- Oils, Treatment of hydrocarbon. L. A. Clarke. 1,974,805; Sept. 25.
- Oils, Treatment of hydrocarbon. R. F. Davis. 1,946,131; Feb. 6.
- Oils, Treatment of hydrocarbon. R. F. Davis. 1,980,189; Nov. 13.
- Oils, Treatment of hydrocarbon. R. B. Day. 1,970,281-3; Aug. 14.
- Oils, Treatment of hydrocarbon. C. P. Dubbs. 1,971,214; Aug. 21.

- Oils, Treatment of hydrocarbon. G. Egloff. 1,950,721; Mar. 13.
- Oils, Treatment of hydrocarbon. G. Egloff. 1,954,477-8; Apr. 10.
- Oils, Treatment of hydrocarbon. G. Egloff. 1,960,624; May 29.
- Oils, Treatment of hydrocarbon. G. Egloff. 1,962,181-2; June 12.
- Oils, Treatment of hydrocarbon. G. Egloff. 1,974,501; Sept. 18.
- Oils, Treatment of hydrocarbon. G. Egloff. 1,983,693; Dec. 11.
- Oils, Treatment of hydrocarbon. J. B. Heid. 1,972,936; Sept. 11.
- Oils, Treatment of hydrocarbon. L. C. Huff. 1,948,713-4; Feb. 27.
- Oils, Treatment of hydrocarbon. I. Levine. 1,974,311; Sept. 18.
- Oils, Treatment of hydrocarbon. C. D. Lowry. 1,949,749; Mar. 6.
- Oils, Treatment of hydrocarbon. P. Mather and D. J. Bergman. 1,984,686; Dec. 18.
- Oils, Treatment of hydrocarbon. V. Mekler. 1,978,592; Oct. 30.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,946,096; Feb. 6.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,954,487-8; Apr. 10.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,954,887; Apr. 17.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,962,204; June 12.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,963,555-6; June 19.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,966,455; July 17.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,969,818; Aug. 14.
- Oils, Treatment of hydrocarbon. J. C. Morrell. 1,973,499-500; Sept. 11.
- Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,946,094-5; Feb. 6.
- Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,947,868-9; Feb. 20.
- Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,954,486; Apr. 10.
- Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,957,794; May 8.
- Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,967,173-4; July 17.
- Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 1,979,565; Nov. 6.
- Oils, Treatment of hydrocarbon. R. Pyzel. 1,981,150; Nov. 20.
- Oils, Treatment of hydrocarbon. N. G. de Rachat. 1,974,797; Sept. 25.
- Oils, Treatment of hydrocarbon. R. E. Schaad. 1,954,843; Apr. 17.
- Oils, Treatment of hydrocarbon. M. C. Sumpter. 1,971,167; Aug. 21.
- Oils, Treatment of hydrocarbon. C. C. Towne. 1,967,636; July 24.
- Oils, Treatment of hydrocarbon. K. M. Watson. 1,952,694; Mar. 27.
- Oils with aluminum chloride, Treatment of. U. B. Bray and C. E. Swift. 1,948,163; Feb. 20.
- Oils with an alkaline sulphide, Treating. W. A. Schulze and F. E. Frey. 1,980,555; Nov. 13.
- Oils with liquid SO₂ and the like, Continuous refining of mineral. W. Grote and P. Obergfell. 1,982,513; Nov. 27.
- Olefine derivatives, Preparation of. K. Edlund and T. Evans. 1,968,601; July 31.
- Olefine hydrocarbons and derivatives thereof, Producing. H. B. Hass and P. E. Weston. 1,975,456; Oct. 2.
- Olefines, Absorbing. A. J. van Peski. 1,944,622; Jan. 23.
- Olefines, Absorption of. G. A. Kramer. 1,953,618; Apr. 3.
- Olefines, Catalytic hydration of. G. F. Horsley. 1,977,635; Oct. 23.
- Olefines, Catalytic hydration of. W. H. Shiffler and M. M. Holm. 1,951,740 Mar. 20.
- Olefines, Formation of. P. K. Frolich and B. C. Boeckeler. 1,944,419; Jan. 23.
- Olefines in strong acids, Absorbing. H. W. Huijser and J. A. van Melsen. 1,958,578; May 15.
- Olefines, Making gaseous. J. J. Grebe, G. H. Coleman, and J. H. Reilly. 1,962,502; June 12.
- Olefines, Producing. G. A. Perkins. 1,982,536; Nov. 27.
- Olefines, Sulphating. R. F. Le Baron. 1,966,072; July 10.
- Olefin-polysulphide plastic. J. C. Patrick. 1,950,744; Mar. 13.
- Olefines with carbon monoxide, Reacting. J. Schallch. 1,973,662; Sept. 11.
- Oleoresinous coating composition. L. D. Gittings. 1,974,799; Sept. 25.
- Oleo-resinous material and preparing the same. M. Cline. 1,945,421; Jan. 30.
- Olla cover. E. L. Roberts and A. V. Dennison. Des. 93,738; Oct. 30.
- Olla, Sanitary dispensing. M. V. Van Fleet. 1,960,604; May 29.
- One-piece cutter. L. C. Schillo. Re19,059; Jan. 23.
- One pole motor. W. J. Morrill. 1,947,163; Feb. 13.
- One revolution clutch. F. M. Carroll and A. F. Smith. 1,972,978; Sept. 11.
- One-way clutch. W. A. Jex. 1,968,771; July 31.
- 1-alkylamino-4-arylaminoanthraquinones and making such products. P. Grossmann. 1,967,772; July 24.
- 1-amino-arylene thiazoles and their production. H. A. Lubs and J. E. Cole. 1,984,885-6; Dec. 18.
- 1-amino-2,3-dimethylantraquinone and making same, Pure. O. Bayer. 1,980,162; Nov. 13.
- 1-amino-4-hydroxy-antraquinone. M. S. Whelen. 1,957,920; May 8.
- 1-benzoyl-amino-4-chloro-antraquinone, Preparation of. O. M. Bishop and C. J. Darlington. 1,963,069; June 19.
- 1,4-diamino-antraquinone-2,3-disulphonic acid, Preparing. F. Baumann. 1,975,386; Oct. 2.
- 1,4,5,8-naphthalene-tetracarboxylic acid and derivative thereof, Preparing. H. Greune and W. Eckert. 1,970,851; Aug. 21.
- 1,4,5,8-naphthalene-tetra carboxylic acid and substitution products thereof, Preparing. H. Greune and W. Eckert. 1,949,202; Feb. 27.
- 1-iodo-8-hydroxy-naphthalene sulphonic acids, Manufacture of. A. Still, A. Binkert, and W. Kussmaul. 1,946,950; Feb. 13.
- 1-mercapto-aryl-thiazoles, Producing. I. Williams. 1,972,963; Sept. 11.
- 1-nitro-antraquinone-6-carboxylic acid and carbonyl halides thereof, Production of. E. E. Beard. 1,985,232; Dec. 25.
- 1-phenyl 3, 4-dihydroxy benzene. A. W. Harvey. 1,952,755; Mar. 27.
- 1-phenyl-2-methylbenzylaminopropanol-1. F. Stolz and F. Flaecher. 1,959,393; May 22.
- 1-phenyl-2,3-dimethyl-4-alkyl-5-pyrazolones. H. Stenzl. 1,972,036; Aug. 28.
- 1-thioglycol 2-amino 5-alkoxy benzene derivatives, Preparation of. H. A. Lubs and J. E. Cole. 1,954,707; Apr. 10.
- 1,3-butylene glycol, Production of. M. Mueller-Cunradi and W. Haag. 1,961,980; June 5.
- 1 (3,4'-dioxalkylene phenyl) 2 amino-alkanol (1). M. Bockmühl and G. Ehrhart. 1,964,973; July 3.
- Opacimeter and measuring opacity. M. N. Davis. 1,950,975; Mar. 13.
- Open-ended container. F. D. Jonas. 1,946,795; Feb. 13.
- Opener and closer, Car door. G. W. Merritt and R. J. Bower. 1,977,396; Oct. 16.
- Opener and closer, Jar. S. J. Heiner. 1,981,104; Nov. 20.
- Opener, Bottle. P. J. Ebert. Des. 92,795; July 17.
- Opener, Bottle. J. A. Hoegger. 1,975,606; Oct. 2.
- Opener, Bottle. T. V. Messer. 1,949,754; Mar. 6.
- Opener, Bottle. C. A. Mosgrove and M. D. Meserole. 1,975,472; Oct. 2.
- Opener, Bottle. F. Neumer. Des. 91,635; Feb. 27.
- Opener, Can. L. N. Anderson. 1,958,654; May 15.
- Opener, Can. E. L. Benedict. 1,974,404; Sept. 18.
- Opener, Can. C. M. Boudette. 1,960,525; May 29.
- Opener, Can. M. Dahl. 1,945,137; Jan. 30.
- Opener, Can. R. Eames. 1,985,489; Dec. 25.
- Opener, Can. J. J. Egan. 1,974,671; Sept. 25.
- Opener, Can. C. G. Fawkes. 1,973,338; Sept. 11.
- Opener, Can. J. Fleaca. 1,974,863; Sept. 25.
- Opener, Can. V. J. O'Brien. 1,961,594; June 5.
- Opener, Can. M. E. Willard. 1,958,157; May 8.
- Opener, Can. O. N. Wiswell. Des. 93,859; Nov. 13.
- Opener, Can. H. Von Wolforsdorf. 1,977,903; Oct. 23.
- Opener, Container. P. Taccardi. 1,962,415; June 12.
- Opener, Envelope. J. Stephan and P. Henckel. 1,943,193; Jan. 9.
- Opener for containers, Combination bail and lid. B. B. Smith. 1,982,124; Nov. 27.
- Opener, Hand can. G. Wright. 1,969,868; Aug. 14.
- Opener, Jar cover. C. F. Disch. 1,942,918; Jan. 9.
- Opener, Key. C. Week. 1,963,006-7; June 12.
- Opener, Milk bottle. O. Post. 1,960,827; May 29.
- Opener, Package. K. Eisele. 1,943,956; Jan. 16.
- Opener, Package. S. C. Kahn. 1,943,538; Jan. 16.
- Opener, Package. F. B. Wendel. 1,982,973; Dec. 4.
- Opener, Paper-carton. L. W. Goldstein. 1,941,680; Jan. 2.
- Opener, Receptacle. N. P. Courtney. 1,975,780; Oct. 9.
- Opener, Receptacle. N. P. Courtney. 1,978,487; Oct. 30.
- Opener with rotary drive, Box. C. Usbeck. 1,974,760; Sept. 25.
- Opener, Wool. W. W. Windle. 1,978,036; Oct. 23.
- Opening and closing device, Hydraulic. E. Engel. 1,980,617; Nov. 13.
- Opening and closing means for carton boxes. C. W. Hartmann. 1,943,796; Jan. 16.
- Opening device. D. G. Magill. 1,959,378; May 22.
- Opening device for cans. K. Omsted. 1,961,909; June 5.
- Opening device for fluid containers. S. E. Allen. 1,977,789; Oct. 23.
- Operating means for locking jaws. E. F. Hathorn. 1,982,914; Dec. 4.
- Operating mechanism for clutches and the like. E. J. Quinn. 1,982,926; Dec. 4.
- Operating mechanism for feeding apparatus for liquids. J. J. M. Gueux. 1,978,864; Oct. 30.
- Operating mechanism for knitting machines. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,980,209; Nov. 13.
- Operating mechanism for machines. K. F. Swanson and C. Eisler. 1,972,719; Sept. 4.
- Operating mechanism for switches. H. J. L. Frank, J. A. Messing, and W. A. Harper. 1,973,618; Sept. 11.
- Opening movement of window sashes, Device for limiting. C. F. England. 1,945,848; Feb. 6.
- Operating lamp. A. F. Piener. 1,963,279; June 19.
- Operating mechanism. C. Thumim. 1,953,789; Apr. 3.
- Operating mechanism for doors and the like. G. W. Hegel. 1,953,805; Apr. 3.

- Operating mechanism for grab buckets. J. F. H. Lange. 1,950,057; Mar. 6.
- Operating mechanism for lavatory pop-up waste valve. R. W. Rankin. 1,965,085; July 3.
- Operation modifying means for a control structure. M. E. Henning. 1,966,720; July 17.
- Operator and latch for doors, Combined. E. H. Lehman. 1,964,884; July 3.
- Operator for horizontally sliding warehouse door. R. S. Peelle. 1,952,681; Mar. 27.
- Operator for ventilators. R. S. Peelle. 1,941,909; Jan. 2.
- Operator's position equipment. R. B. Buchanan. 1,942,471; Jan. 9.
- Ophthalmic instrument. H. Simmerman. 1,970,150; Aug. 14.
- Ophthalmic instrument. F. Hamilton. 1,974,612; Sept. 25.
- Ophthalmic lens. A. E. Glancy. 1,942,400; Jan. 9.
- Ophthalmic lens. O. G. Haussmann. 1,942,333; Jan. 2.
- Ophthalmic lens. T. E. Obrig. 1,969,622; Aug. 7.
- Ophthalmic mounting. C. L. Bausch. 1,969,637; Aug. 7.
- Ophthalmological instrument. C. L. Hunsicker. 1,945,940; Feb. 6.
- Ophthalmoscope. W. N. Allyn. 1,981,214; Nov. 20.
- Ophthalmoscope. W. Thorne. 1,961,309; June 5.
- Opium, Producing preparations of. P. Casparis and K. Siegfried. 1,947,330; Feb. 13.
- Opposed disk brake. E. D. Bates. 1,977,981; Oct. 23.
- Optic attachment for glass blowing machines. H. R. Schutz. 1,949,435; Mar. 6.
- Optical aiming device for machine guns. K. Jung. 1,943,387; Jan. 16.
- Optical apparatus. E. H. Lysle. 1,975,111; Oct. 2.
- Optical apparatus for measuring the thickness of piezo electric crystals. H. B. Maris. 1,978,434; Oct. 30.
- Optical appliance. V. C. Ernst and A. Wollensak. 1,970,958; Aug. 21.
- Optical compensating system. J. F. Leventhal. 1,974,573; Sept. 25.
- Optical demonstration apparatus. F. McFadden. 1,981,964; Nov. 27.
- Optical device. W. Fletcher. 1,982,650; Dec. 4.
- Optical device. G. A. Parkins. 1,967,625; July 24.
- Optical device. P. Schlumbohm. 1,954,184; Apr. 10.
- Optical device. P. Schlumbohm. 1,983,312; Dec. 4.
- Optical device. A. Warmisham. 1,964,968; July 3.
- Optical illusion device. W. B. F. Hall. 1,973,480; Sept. 11.
- Optical instrument. F. L. Eich. 1,953,471; Apr. 3.
- Optical instrument. R. Straubel. 1,968,267; July 31.
- Optical instrument for determining the gun firing and torpedo launching data. F. Montauti. 1,965,506; July 3.
- Optical lever, Reflex. A. J. Cawley. 1,950,482; Mar. 13.
- Optical light dividing system. D. Daponte. 1,945,029; Jan. 30.
- Optical mensuration instrument, Clinical. A. Ames, Jr. 1,946,925; Feb. 13.
- Optical objective system. C. W. Kanolt. 1,972,019; Aug. 28.
- Optical printing apparatus. F. H. Owens. 1,950,092; Mar. 6.
- Optical projection apparatus. G. P. Orde. 1,975,017; Sept. 25.
- Optical projection apparatus. A. Warmisham. 1,952,522; Mar. 27.
- Optical projection screen, Translucent. R. A. Bull, C. J. P. Small, G. A. G. Simpson, and C. G. Mayer. 1,970,358; Aug. 14.
- Optical rectifying system for moving picture projectors and cameras. A. J. Holman. 1,957,457; May 8.
- Optical reproducing device. M. Kaplowitz. Des. 93,622-3; Oct. 16.
- Optical signaling apparatus. R. Meehan. 1,973,089; Sept. 11.
- Optical slit. M. Bowman-Manifold. 1,972,287; Sept. 4.
- Optical system. C. O. Assmus. 1,981,492; Nov. 20.
- Optical system. W. G. Martin. 1,948,588; Feb. 27.
- Optical system. J. A. Maurer, Jr. 1,947,564-7; Feb. 20.
- Optical system. J. A. Maurer, Jr. 1,971,457; Aug. 28.
- Optical system. P. Müller. 1,977,689; Oct. 23.
- Optical system. M. Waide. 1,970,678; Aug. 21.
- Optical system. A. Warmisham. 1,947,668; Feb. 20.
- Optical system. W. L. Wright. 1,949,893; Mar. 6.
- Optical system and focusing means therefor. F. H. Owens. 1,946,588; Feb. 13.
- Optical system for indicating angular deflection. F. E. Vaughan. 1,977,027; Oct. 16.
- Optical system for projecting machines. J. Mihalyi. 1,962,356; June 12.
- Optical system for sound reproducers. J. C. Hansen and B. L. Hubbard. 1,958,996; May 15.
- Optical system for ticker tape projectors. R. F. Dirkes and F. H. Clark. 1,977,120; Oct. 16.
- Optical torsion balance. O. H. Truman. 1,963,252; June 19.
- Orange juice extractor. B. A. Benson. 1,962,856; June 12.
- Orchard heater. S. Frey. 1,969,506; Aug. 7.
- Orchard heater. J. M. Hotherhall. 1,975,102; Oct. 2.
- Orchard heater. G. H. Meinzner. 1,977,198; Oct. 16.
- Orchard heater. G. W. Nigg. 1,966,642; July 17.
- Orchard heater. J. E. Palmer. 1,962,405; June 12.
- Orchard heater. R. S. Shanks. 1,949,336; Feb. 27.
- Order indicating device. H. D. Hooze. 1,951,611; Mar. 20.
- Ordering and serving equipment for restaurants, Semi-automatic. J. J. Cody. 1,965,454; July 3.
- Ore classifier. T. A. Dickson. 1,984,362; Dec. 18.
- Ore concentrating device. S. R. Doner, P. H. Stevenson, and D. M. Tiller. 1,976,840; Oct. 16.
- Ore concentrating unit. C. Livingood. 1,946,219; Feb. 6.
- Ore concentration. W. G. Clark. 1,983,968; Dec. 11.
- Ore concentration. W. Trotter and E. W. Wilkinson. 1,976,203; Oct. 9.
- Ore concentration, Apparatus for. R. B. Martin. 1,956,296; Apr. 24.
- Ore conditioning process. E. Butler, A. K. Knickerbocker, and R. O. Hocking. 1,977,262; Oct. 16.
- Ore drying apparatus. R. R. Burns. 1,979,312; Nov. 6.
- Ore flotation and flotation reagent. I. H. Derby and O. D. Cunningham. 1,949,956; Mar. 6.
- Ore leaching. T. Earle. 1,933,274; Dec. 4.
- Ore material, Chloridizing. R. L. Sessions. 1,979,287; Nov. 6.
- Ore materials, Chloridizing. T. A. Mitchell. 1,979,280; Nov. 6.
- Ore materials, Treating. T. A. Mitchell. 1,979,279; Nov. 6.
- Ore material with a complex brine, Treating. R. L. Sessions. 1,977,648; Oct. 23.
- Ore metal sulphides, Chloridizing. T. A. Mitchell. 1,971,573; Aug. 28.
- Ore, Reducing. B. M. S. Kalling and C. von Delwig. 1,964,402; June 26.
- Ore separation. J. P. Ruth, Jr. 1,955,978-9; Apr. 24.
- Ore separation. J. P. Ruth, Jr. 1,960,459; May 29.
- Ore separation. J. P. Ruth, Jr. 1,974,218; Sept. 18.
- Ore separation, Flotation. J. P. Ruth, Jr. and F. A. Brinker. 1,973,578; Sept. 11.
- Ore separator. N. Goldberg. 1,977,909; Oct. 23.
- Ore separator. G. Hering. 1,983,457; Dec. 4.
- Ore separator. W. A. Homan. 1,964,733; July 3.
- Ore separator for wet and other operations, Magnetic. P. H. Thomas. 1,948,080; Feb. 20.
- Ore skip and cage changing device, Mine shaft. D. P. Ayer. 1,949,399; Mar. 6.
- Ore, Smelting sulphide. R. F. Bacon. 1,944,873; Jan. 30.
- Ore treatment. C. L. Kennicott. 1,958,581; May 15.
- Ore washer. M. J. Lucy, Jr. 1,972,195; Sept. 4.
- Ores and minerals by flotation, Concentrating. W. A. Douglass. 1,943,758; Jan. 16.
- Ores by flotation, Concentration of. W. T. MacDonald. 1,970,808; Aug. 21.
- Ores by means of ferric chloride, Chloridizing. T. A. Mitchell. 1,943,332; Jan. 16.
- Ores, Chloridizing. T. A. Mitchell. 1,979,281; Nov. 6.
- Ores, Chloridizing metallurgical. T. A. Mitchell. 1,943,333; Jan. 16.
- Ores, Chloridizing metallurgical. T. A. Mitchell. 1,943,335; Jan. 16.
- Ores, Chloridizing sulphide. T. A. Mitchell. 1,943,336; Jan. 16.
- Ores containing arsenic, Smelting pyritic. N. E. Lenander. 1,962,602; June 12.
- Ores containing lead, Treatment of. P. Gamichon. 1,950,000; Mar. 6.
- Ores, Decomposing. G. A. Macready. 1,941,609-10; Jan. 2.
- Ores, Electrical reduction of metallic. T. Varney. 1,954,900; Apr. 17.
- Ores, Flotation of. L. J. Christmann and D. W. Jayne, Jr. 1,970,508; Aug. 14.
- Ores, Flotation of oxidized. L. J. Christmann. 1,952,907; Mar. 27.
- Ores for reduction, Preparing. C. G. Maier. 1,971,112; Aug. 21.
- Ores, Method of and apparatus for searching for. J. B. Ostermiller. 1,966,105; July 10.
- Ores or the like by means of gas, Reducing oxide. O. and J. B. Stålhane. 1,964,680; June 26.
- Ores or the like, Sintering fine. F. Johannsen. 1,951,935; Mar. 20.
- Ores, Process and apparatus for separating. L. Hoyois. 1,961,666; June 5.
- Ores, Process of and apparatus for roasting and sintering pulverulent sulphuriferous. H. Klencke. 1,984,747; Dec. 18.
- Ores, Reduction and smelting of. H. A. Brassert. 1,945,341; Jan. 30.
- Ores, Reduction of. H. A. Brassert. 1,944,874; Jan. 30.
- Ores, Roasting of sulphide. K. W. Young. 1,974,886; Sept. 25.
- Ores, Sulphating titaniferous. B. D. Saklatwalla, H. E. Dunn, and A. E. Marshall. 1,977,208; Oct. 16.
- Ores to chloridize the same. Treating sulphide. T. A. Mitchell. 1,943,337; Jan. 16.
- Ores, Treating. T. A. Mitchell. 1,943,331; Jan. 16.
- Ores, Treating metal bearing. D. W. and E. F. Bowers. 1,972,085; Sept. 4.
- Ores, Treating metallurgical. T. A. Mitchell. 1,943,334; Jan. 16.
- Ores, Treating silver bearing. T. A. Mitchell. 1,943,339; Jan. 16.
- Ores, Treating sulphide. R. G. Brown. 1,946,349; Feb. 6.
- Ores, Treating tin bearing. T. A. Mitchell. 1,943,338; Jan. 16.
- Ores, Treating vanadium. C. Knight and A. M. Wilson. 1,945,611; Feb. 6.
- Ores, Treatment of beryllium-bearing. C. James. 1,982,873; Dec. 4.

- Ores, Treatment of sulphide. C. R. Kuzell. 1,976,735; Oct. 16.
- Organ. F. A. Firestone. 1,953,753; Apr. 3.
- Organ. J. Puget. 1,969,424; Aug. 7.
- Organ actions. Electromagnetic pipe. V. R. Brown. 1,974,530; Sept. 25.
- Organ and electrically producing tones. Electric. E. E. Coupleux and J. A. Givélet. 1,980,911; Nov. 13.
- Organ. Electric radio. E. E. Coupleux and J. A. Givélet. 1,980,912; Nov. 13.
- Organ pipe. H. Willis. 1,969,591; Aug. 7.
- Organ. Playlet. F. H. Meunier. 1,968,216; July 31.
- Organ valve. W. B. Gratian. 1,957,585; May 8.
- Organ valve structure. D. S. Barrows. 1,980,964; Nov. 13.
- Organic bodies, Purification of. A. Zimmerli and R. C. Lyon. 1,957,484; May 8.
- Organic compositions of matter and uses therefor. W. A. Custer. 1,976,716; Oct. 16.
- Organic compounds by dehydrogenation, Production of. M. Pier and E. Donath. 1,975,476; Oct. 2.
- Organic compounds from organic compounds having one or more double bonds in the molecule, Manufacture of. A. J. van Peski. 1,948,891; Feb. 27.
- Organic compounds from water solution, Removing. O. M. Urbain. 1,973,999; Sept. 18.
- Organic compounds having hydrogenated ring systems and preparing it. O. Diels and K. Alder. 1,944,731; Jan. 23.
- Organic compounds, Inhibiting the decomposition of. G. R. Bond and C. W. Davis. 1,947,578; Feb. 20.
- Organic compounds, Manufacture and use of. G. H. Ellis, H. C. Olpin, and E. W. Kirk. 1,959,352; May 22.
- Organic compounds, Manufacture of oxygenated. H. Dreyfus. 1,963,119; June 19.
- Organic compounds, Manufacture of oxygenated. S. J. Green and R. Handley. 1,950,671; Mar. 13.
- Organic compounds, Oxidation of. H. L. Riley. 1,955,890; Apr. 24.
- Organic compounds, Preservation of oxidizable. H. M. Bunbury, W. J. S. Naunton, and K. W. Palmer. 1,949,240; Feb. 27.
- Organic compounds, Producing oxygenated. W. A. Lazier. 1,984,884; Dec. 18.
- Organic compounds, Production of oxygenated. W. Bader and E. B. Thomas. 1,942,530; Jan. 9.
- Organic compounds, Reducing. H. Bertsch. 1,971,743; Aug. 28.
- Organic constituents from black liquor, Recovery of. R. H. McKee. 1,958,439; May 15.
- Organic derivative of cellulose fabric, Treatment of. C. Dreyfus. 1,947,002; Feb. 13.
- Organic materials, Drying. C. W. Wilson. 1,975,998; Oct. 9.
- Organic materials, Polymerization of. Unsaturated. P. W. Bridgman and J. B. Conant. 1,952,116; Mar. 27.
- Organic nitro compounds, Production of. M. A. Dahlen and W. L. Foohey. 1,981,311; Nov. 20.
- Organic product obtained from molasses and molasses residues. E. A. Vazquez. 1,976,590; Oct. 9.
- Organic products, Coloring. P. Schlack. 1,953,438; Apr. 3.
- Organic products from 7,18-stearic glycol, Production of. F. Guenther and K. Saffien. Re19,194; June 5.
- Organic products from 7,18-stearic glycol, Production of. F. Guenther and K. Saffien. 1,942,812; Jan. 9.
- Organic products, Production of valuable. M. Pier, K. Winkler, and K. Wissel. 1,959,175; May 15.
- Organic substances, Apparatus for gassifying combustible. F. I. E. Stenfors. 1,946,817; Feb. 13.
- Organic substances, Hydrogenation of. G. Hugel, M. Paul, and M. Boistel. 1,968,208; July 31.
- Orienting device for core drills. W. A. Hunsucker. 1,980,529; Nov. 13.
- Orifice disk for steam radiators. W. Tallmadge. 1,942,783; Jan. 9.
- Orifice fitting. S. B. Welcome and O. W. Muff. 1,958,599; May 15.
- Orifice for measuring the flow of fluids, Variable. J. L. Hodson and H. E. Dall. 1,946,319; Feb. 6.
- Orifice plate for flow meters. F. V. A. E. Engel. 1,980,672; Nov. 13.
- Ornament and making the same. J. A. Pettit. 1,978,883; Oct. 30.
- Ornament and making the same, Christmas tree. P. Kranz and A. P. Schmid. 1,979,887-8; Nov. 6.
- Ornament and sign, Illuminated. R. V. Derrah. 1,959,616; May 22.
- Ornament, Apparel. H. E. McAdams. 1,979,980; Nov. 6.
- Ornament, Automobile. H. V. Henderson. Des. 91,657; Mar. 6.
- Ornament, Automobile. H. V. Henderson. Des. 91,879; Apr. 3.
- Ornament, Automobile. H. V. Henderson. Des. 92,805; July 17.
- Ornament, Automobile. H. V. Henderson. Des. 93,477; Oct. 2.
- Ornament, Christmas tree. L. L. Raymond. Des. 93,890; Nov. 20.
- Ornament, Christmas tree light. C. J. McCoy. 1,972,687; Sept. 4.
- Ornament or similar article, Automobile radiator. H. J. Earl. Des. 91,926; Apr. 10.
- Ornament or similar article, Automobile radiator. C. J. Klein and J. R. Morgan. Des. 92,358; May 29.
- Ornament or similar article, Automobile radiator. B. E. Lemm. Des. 91,489; Feb. 13.
- Ornament or similar article, Automobile radiator. B. E. Lemm. Des. 94,151; Dec. 25.
- Ornament or similar article, Automobile radiator. W. Schnell and E. S. Carlson. Des. 91,300; Jan. 2.
- Ornament or similar article, Automobile radiator. W. Schnell and J. Oswald. Des. 91,789; Mar. 20.
- Ornament, Radiator. O. M. Wermich. Des. 93,754; Oct. 30.
- Ornament retaining device. J. Fielding. 1,945,268; Jan. 30.
- Ornamental bead for vehicle wheel hubs. C. P. Chamberlin. 1,952,044; Mar. 27.
- Ornamental box. C. F. Williams. 1,965,951; July 10.
- Ornamental decoration. F. C. Harper. 1,981,696; Nov. 20.
- Ornamental device. F. C. Stetter. 1,950,526; Mar. 13.
- Ornamental device for use in association with toy electric railways. L. G. Handy. 1,942,167; Jan. 2.
- Ornamental device for use in association with toy electric railways. L. G. Handy. 1,966,031; July 10.
- Ornamental device, Illuminated. E. J. Graf. 1,977,126; Oct. 16.
- Ornamental display device. H. W. Tucker and W. S. McLeish. 1,980,453; Nov. 13.
- Ornamental member for wheels. G. A. Lyon. 1,958,484; May 15.
- Ornamental plate for wheels. G. A. Lyon. 1,949,317; Feb. 27.
- Ornamental relief figures, Forming. W. August, J. McCausland, and H. J. Chapin. 1,971,700; Aug. 28.
- Ornamental setting for jewels and the like. W. C. Powers. 1,951,706; Mar. 20.
- Ornamental sheet metal structure and producing the same. D. E. Hunter. 1,946,694; Feb. 13.
- Ornamental structure for bird cages. E. W. Little. 1,974,823; Sept. 25.
- Ornamental surfaces from dispersed media, Forming. E. A. Murphy and E. W. B. Owen. 1,947,870; Feb. 20.
- Ornamentation. E. Bloom. 1,976,157; Oct. 9.
- Ornamentation. H. L. Decker. 1,963,834; June 19.
- Ornamentation. C. Miller. 1,954,215; Apr. 10.
- Ornamentation. A. B. Poschel. 1,955,562; Apr. 17.
- Ornamentation. L. Stalder. 1,961,575; June 5.
- Ornamentation for an automobile body. M. Deservi. 1,954,548; Apr. 10.
- Ornamentation of toilet articles. A. S. Donaldson. 1,963,892; June 19.
- Ornamenting machine. B. W. Freeman. 1,960,486; May 29.
- Ornamenting objects. H. A. Clanton. 1,962,480; June 12.
- Orthodontia appliance. J. E. Johnson. 1,952,320; Mar. 27.
- Orthodontia band bracket. C. E. Boyd and S. Richardson. 1,976,115; Oct. 9.
- Orthodontic appliance. E. H. Angle. 1,949,444; Mar. 6.
- Orthopedic appliance. C. J. Bohmbach. 1,973,402; Sept. 11.
- Orthopedic appliance. V. L. Closson. 1,959,050; May 15.
- Orthopedic or surgical device. G. C. Martin. 1,982,140; Nov. 27.
- Orthoptic training device. T. A. Brombach. 1,948,901; Feb. 27.
- Os uteri-locating device and medical applicator, Combination. J. A. Kirk. 1,978,677; Oct. 30.
- Oscillating energy of desired characteristic, Principle of producing. I. I. Erementeff. 1,948,169; Feb. 20.
- Oscillating mechanical movement for washing machines and the like. A. J. Patch. 1,964,440; June 26.
- Oscillating pivot joint. H. D. Geyer. 1,983,796; Dec. 11.
- Oscillating valve. L. P. Gamache. 1,974,454; Sept. 25.
- Oscillation generation. J. L. Finch and J. W. Conklin. 1,947,003; Feb. 13.
- Oscillation generation. H. O. Peterson. 1,979,994; Nov. 6.
- Oscillation generation. G. E. Pray. 1,945,547; Feb. 6.
- Oscillation generation, Ultrashort wave. C. W. Hansell. 1,945,039; Jan. 30.
- Oscillation generator. W. A. Appleton. 1,973,303; Sept. 11.
- Oscillation generator, Electric discharge tube. B. S. Gossling and E. C. S. Megaw. 1,976,778; Oct. 16.
- Oscillation generator, Polyphase. E. D. McArthur. 1,971,193; Aug. 21.
- Oscillation generator, Short wave. E. W. B. Gill. 1,983,848; Dec. 11.
- Oscillation suppressor for radio testing apparatus. F. Fausett. 1,971,099; Aug. 21.
- Oscillations, Amplifying electric. G. Holst and B. D. H. Tellegen. 1,945,040; Jan. 30.
- Oscillations device, Generating. P. B. F. David. 1,966,616; July 17.
- Oscillations, Method and apparatus for the generation of electric. H. E. Hollmann. 1,962,195; June 12.
- Oscillations of vehicle bodies, Controlling. J. M. Nalle. 1,984,539; Dec. 18.
- Oscillator. J. G. Beard. 1,948,692; Feb. 27.
- Oscillator. C. W. Hansell. 1,945,546; Feb. 6.
- Oscillator and plural channel transmission system. A. M. Nicolson. 1,962,610; June 12.
- Oscillator, Constant frequency. F. B. Llewellyn. 1,976,570; Oct. 9.
- Oscillator, Crystal controlled. D. R. Goddard. 1,980,581; Nov. 13.
- Oscillator, Electromechanical. N. Deisch. 1,965,280; July 3.
- Oscillator, Glow tube piezo. A. Hund. 1,954,319; Apr. 10.
- Oscillator, High frequency. H. E. Hollmann. 1,962,196; June 12.

- Oscillator, High-frequency. H. Rothe and H. O. Roosenstein. 1,943,627; Jan. 16.
- Oscillator, Magnetically modulated vacuum tube. F. J. Elser. 1,957,327; May 1.
- Oscillator, Modulated. P. F. Scofield. 1,947,805; Feb. 20.
- Oscillator, Modulated. H. Shore. 1,958,212; May 8.
- Oscillator, Multirange. M. H. Schrenk. 1,961,253; June 5.
- Oscillator, Piezo-electric. W. M. Knott. 1,984,533; Dec. 18.
- Oscillator, Piezo-electric. H. Straubel. 1,957,299; May 1.
- Oscillator-radiator. E. E. W. Kassner. 1,951,731; Mar. 20.
- Oscillator, Stable amplitude. W. V. B. Roberts. 1,966,046; July 10.
- Oscillator system. J. B. Dow. 1,943,302; Jan. 16.
- Oscillator system. J. B. Dow. 1,955,739; Apr. 24.
- Oscillator system. J. B. Dow. 1,957,446; May 8.
- Oscillator, Vacuum mounted. A. L. R. Ellis. 1,949,149; Feb. 27.
- Oscillation apparatus for electrotherapeutic and sterilization purposes, High frequency. P. C. Rawls. 1,945,867; Feb. 6.
- Oscillatory motor. L. M. Applegate. 1,959,016; May 15.
- Oscillograph. K. Engel. 1,981,350; Nov. 20.
- Oscillograph. J. A. Maurer, jr. 1,971,458; Aug. 28.
- Oscillograph, Automatic. S. C. Leyland. 1,958,897; May 15.
- Oscillograph galvanometer. O. S. Peters. 1,951,578; Mar. 20.
- Oscillographic apparatus. C. M. Hathaway. 1,942,059; Jan. 2.
- Osteo-rotor. W. M. Murray. 1,950,948; Mar. 13.
- Ottoman. V. A. McChesney and F. A. Milnes. Des. 93,232; Sept. 4.
- Outboard motor. A. E. Doman and G. B. Sayre. 1,966,381; July 10.
- Outboard motor. F. T. Irgens. Des. 91,714; Mar. 13.
- Outboard motor. H. L. Johnson. Des. 93,111-12; Aug. 21.
- Outboard motor. W. C. Miller. Des. 93,121; Aug. 21.
- Outboard motor. P. R. Tarr. 1,958,119; May 8.
- Outsoles, Preparing. L. S. Macdonald. 1,962,250; June 12.
- Outfit for lettering. E. C. Wood. 1,973,364; Sept. 11.
- Outlet and connection. H. D. Miller. 1,948,938; Feb. 27.
- Outlet box. J. M. G. Fullman. 1,971,908; Aug. 28.
- Outlet box. J. Knell. 1,976,566; Oct. 9.
- Outlet box. C. E. Olsen and E. H. Lindstrom. 1,957,844; May 8.
- Outlet box and clamp therefor. A. W. Givens. 1,974,268; Sept. 18.
- Outlet box attaching means. G. P. Schwabacher. 1,978,231; Oct. 23.
- Outlet box cover. J. W. Lewin. 1,952,719; Mar. 27.
- Outlet box for electric installation. W. W. Reese. 1,972,794; Sept. 4.
- Outlet box support. J. G. Knight. 1,983,670; Dec. 11.
- Outlet construction. R. M. Callaway. 1,944,401; Jan. 23.
- Outlet, Continuous. B. H. Christopher, jr. 1,955,531; Apr. 17.
- Outlet fitting. H. S. Walker. 1,976,817; Oct. 16.
- Outlet fixture. A. W. Franklin. 1,965,178; July 3.
- Outlet for electrical conduits and applying the same. H. J. Robertson, jr. 1,946,237; Feb. 6.
- Outside cutting tool. W. L. Church, L. M. Pearce, and J. K. Clark. 1,944,594; Jan. 23.
- Outsole for shoes. A. G. Legge. 1,945,115; Jan. 30.
- Oven. G. W. Heinbuch. 1,982,386; Nov. 27.
- Oven. R. S. Klopfenstein. 1,969,614; Aug. 7.
- Oven. J. H. Mosshammer. 1,981,658; Nov. 20.
- Oven. J. E. Warrick. 1,983,110; Dec. 4.
- Oven and oven shelf. A. J. Reedy and W. L. Smith. 1,961,391; June 5.
- Oven and roasting pan, Combination. J. B. Louis. 1,977,486; Oct. 16.
- Oven, Bake. J. Gleason. 1,950,670; Mar. 13.
- Oven, Baker's. E. M. Crosland. 1,961,034; May 29.
- Oven, Baking. R. Byron and H. G. Rappolt. 1,971,766; Aug. 28.
- Oven, Baking. I. Elliott. 1,946,843; Feb. 13.
- Oven, Baking. J. E. Pointon and W. H. Beanes. 1,942,974; Jan. 9.
- Oven, Barbecue. J. D. Tygart. 1,964,372; June 26.
- Oven, Brake. J. Paulds. 1,941,792; Jan. 2.
- Oven, Broiler. J. W. Barker. 1,960,365; May 29.
- Oven, By product coke. L. F. Schrader and F. P. Hart. 1,947,499; Feb. 20.
- Oven charging machine, Coke. C. Still. 1,943,634; Jan. 16.
- Oven, Circular. A. P. Stalle. 1,957,811; May 8.
- Oven, Coke. W. H. Pavitt. 1,973,015; Sept. 11.
- Oven, Coke. L. F. Schrader and F. P. Hart. 1,947,500; Feb. 20.
- Oven, Coke. F. Totzek. 1,952,104; Mar. 27.
- Oven, Coking retort. J. van Ackeren. 1,961,264-5; June 5.
- Oven, Compound regenerative coke. F. Totzek. 1,957,425; May 1.
- Oven control. A. P. Chester and D. H. Hill. 1,943,582; Jan. 16.
- Oven control. H. E. Toelle. 1,969,336; Aug. 7.
- Oven, Drawer. C. A. Barnett and H. W. Steindorf. 1,959,518; May 22.
- Oven, Drying. C. C. Wilcox. 1,946,923; Feb. 13.
- Oven, Electric. M. F. H. Gouverneur. 1,959,358; May 22.
- Oven, Electric. W. W. Kelly. 1,980,920; Nov. 13.
- Oven for baking. E. M. Crosland. 1,948,440; Feb. 20.
- Oven for baking fuel briquettes. H. F. Maurel. 1,985,512; Dec. 25.
- Oven for coal distillation, Chamber. C. Still. 1,943,562; Jan. 16.
- Oven for low temperature carbonization, Retort. J. Schäfer. 1,975,621; Oct. 2.
- Oven, Hair treating. B. J. Balmer. 1,971,325; Aug. 28.
- Oven heat control. C. Wantz. 1,971,801; Aug. 28.
- Oven heated by convection. C. L. Gehrich. 1,961,143; June 5.
- Oven, Portable roasting. R. B. Grimes. 1,976,989; Oct. 16.
- Oven, Recirculating. C. A. Barnett and H. W. Steindorf. 1,950,212-13; Mar. 6.
- Oven, Regenerative. J. Schaefer. 1,943,558; Jan. 16.
- Oven, Regenerative coke. C. Otto. 1,977,201; Oct. 16.
- Oven regulator. J. H. Grayson. 1,957,774; May 8.
- Oven, Sectional baking. L. D. Houllis. 1,949,684; Mar. 6.
- Oven temperature control system. M. S. Unger. 1,977,216; Oct. 16.
- Oven with vertical heating flues, Regenerative coke. J. Schaefer. 1,967,975; July 24.
- Overall. S. Bleier. Des. 92,576; June 26.
- Overcoat, raincoat, and like garment. F. R. Tripp. 1,965,995; July 10.
- Overcoating, Light filtering. T. F. Murray, jr. 1,976,359; Oct. 9.
- Overcoating, Protective. T. F. Murray, jr. 1,958,711; May 15.
- Overcoating, Protective. E. E. Richardson. 1,958,715; May 15.
- Overcoating, Protective. E. E. Richardson and C. J. Staud. 1,598,714; May 15.
- Overcoating, Protective. C. J. Staud. 1,958,683; May 15.
- Overcurrent protective device. R. R. Pittman. 1,972,357; Sept. 4.
- Overload release mechanism. N. W. Lyon. 1,953,182; Apr. 3.
- Overload releasing device. E. Parre. 1,953,430; Apr. 3.
- Overload switch. W. Leyhausen. 1,952,997; Mar. 27.
- Overload switch. S. R. Wright. 1,975,821; Oct. 9.
- Overrunning clutch. D. T. Brownlee. 1,952,415; Mar. 27.
- Overrunning clutch. C. E. Furgason. 1,966,290; July 10.
- Overrunning clutch. J. W. Hughes. 1,954,206; Apr. 10.
- Overrunning clutch. C. E. Sorensen. 1,955,475; Apr. 17.
- Overshore for skates. A. Kutchera. 1,982,524; Nov. 27.
- Oxalic acid, Manufacture of. H. C. Duus. 1,948,441; Feb. 20.
- Oxidation and dilution of crankcase oil, Apparatus for inhibiting the. C. C. Minter. 1,973,384; Sept. 11.
- Oxidation of organic compounds and catalyst therefor, Catalytic. E. B. Punnett. 1,978,506; Oct. 30.
- Oxidation of readily oxidizable metals, Inhibiting the. H. A. Reimers. 1,972,317; Sept. 4.
- Oxidation product of sulphur-containing derivatives of higher fatty acids and making same. K. Keller. 1,949,838; Mar. 6.
- Oxidation products, Fractioning partial. J. H. James. 1,948,817; Feb. 27.
- Oxidation products of acetylene, Production of. W. Heckel and P. Nashan. 1,943,385; Jan. 16.
- Oxidation products of triethoxyethylene, Manufacture of. M. Mugdan and J. Wimmer. 1,976,265; Oct. 9.
- Oxidation products, Partial. W. P. Bitler. 1,948,161; Feb. 20.
- Oxidations of hydrocarbons and the like, Partial. S. P. Burke. 1,978,621; Oct. 30.
- Oxide, Doping tungstic. F. H. Driggs. 1,965,222; July 3.
- Oxide grains or the like, Reclaiming aluminous. D. M. Ramsey. 1,978,884; Oct. 30.
- Oxide, Precipitation of tungstic. F. H. Driggs. 1,972,136; Sept. 4.
- Oxide, Production of cuprous. T. B. Swift. 1,963,105; June 19.
- Oxides of nitrogen, Storing. I. Hechenbleikner. 1,979,544; Nov. 6.
- Oxides, Preparation of di-diphenyl. W. C. Stoesser and R. F. Marschner. 1,972,605; Sept. 4.
- Oxidizing furnace. Z. T. Parker. 1,966,643; July 17.
- Oxygen and hydrogen resulting from the electrolytic decomposition of water, Method and apparatus for the purification of the. A. T. Stuart. 1,965,813; July 10.
- Oxygen containing carbon substances, Conversion of. E. Steffen. 1,950,460; Mar. 13.
- Oxygen cutting apparatus. C. T. Evans. 1,979,965; Nov. 6.
- Oxygen cutting process. J. J. Crowe. 1,985,080; Dec. 18.
- Oxygen from combustible gases, Removal of. J. C. Walker. 1,960,212; May 22.
- Oxygen from liquid air, Apparatus for producing. F. J. Eichelman. 1,976,336; Oct. 9.
- Oxygen from liquid air, Apparatus for producing. F. J. Eichelman. 1,976,388; Oct. 9.
- Oxygen of high purity, Producing. G. J. Boshkoff. 1,985,763; Dec. 25.
- Oxygen regulator. W. Gaertner. 1,957,951; May 8.
- Oyster opening apparatus. H. J. Boudreaux. 1,974,766; Sept. 25.
- Oyster packing apparatus. E. T. McNaney. 1,949,170; Feb. 27.
- Ozonation products of terpene alcohol. L. P. Rankin. 1,951,708; Mar. 20.
- Ozonator. J. R. Fischer and J. G. Sola. 1,943,426; Jan. 16.

- Ozone for internal combustion engines, Apparatus for supplying. M. San Nyun. 1,959,738; May 22.
- Ozone generator. W. R. Redd. 1,948,240; Feb. 20.
- Ozone, Method of and apparatus for producing. H. B. Hartman. 1,965,766; July 10.
- Ozonizing apparatus for internal combustion engines. A. C. Runge. 1,982,484; Nov. 27.
- Ozonizing elements. R. John. 1,975,425; Oct. 2.
- Pack carrier. A. M. Battles. 1,969,199; Aug. 7.
- Pack holding mechanism. F. C. Schueler. 1,946,988; Feb. 13.
- Package. F. J. Clancy. 1,946,191; Feb. 6.
- Package. M. J. Connolly. 1,975,253; Oct. 2.
- Package. C. F. Haug. 1,949,161; Feb. 27.
- Package. R. John. 1,967,191; July 17.
- Package. P. J. Johnson. 1,966,669; July 17.
- Package. T. J. Lewis. 1,951,831; Mar. 20.
- Package. T. J. Lewis. 1,982,390; Nov. 27.
- Package. W. Medoff. 1,948,181; Feb. 20.
- Package. W. Medoff. 1,982,616; Nov. 27.
- Package. R. S. Peirce. 1,946,808; Feb. 13.
- Package. T. V. Quarnstrom. 1,984,760; Dec. 18.
- Package. R. S. Reynolds and E. L. Mack. 1,973,391; Sept. 11.
- Package. A. G. Rose. 1,981,073; Nov. 20.
- Package. W. A. Spalding. 1,979,714; Nov. 6.
- Package. W. E. Wilson. Re19,403; Dec. 18.
- Package. W. E. Wilson. 1,950,203; Mar. 6.
- Package and article handling implement. C. Hellwig. 1,979,618; Nov. 6.
- Package and closure element therefor. G. W. Brownfield. 1,950,539; Mar. 13.
- Package and container. M. T. Heller. 1,955,851; Apr. 24.
- Package and container for fragile articles. F. H. Sherman. 1,975,127; Oct. 2.
- Package and container therefor. A. J. Judge. 1,946,285; Feb. 6.
- Package and making the same. J. C. Thom. 1,978,035; Oct. 23.
- Package and making the same. J. Yates. 1,958,256; May 8.
- Package and preparing the same. W. A. Hughes. 1,945,148; Jan. 30.
- Package, Combination. M. L. Goldstein. 1,963,233; June 19.
- Package for flower bulbs. T. van Waveren. 1,959,510; May 22.
- Package for pencil leads. G. C. Boa and E. E. Hill. 1,951,857; Mar. 20.
- Package for pencil leads. H. H. Lang. 1,982,112; Nov. 27.
- Package for plastic refractory material. J. E. Anderson. 1,983,590; Dec. 11.
- Package for reversible hydrocolloid plastic material and using the same. D. R. Grier. 1,977,580; Oct. 16.
- Package for safety pins and the like. G. P. Peterson. 1,979,049; Oct. 30.
- Package for the preservation and display of game sets and the like. J. R. Gibson. 1,948,294; Feb. 20.
- Package for thread cones. H. G. Stone and C. A. Throp. 1,950,908; Mar. 13.
- Package holder. S. W. Stanyan. 1,976,811; Oct. 16.
- Package inverting device. J. S. Cowl. 1,956,120; Apr. 24.
- Package liner. C. G. Wood. 1,978,851; Oct. 30.
- Package, Match. J. D. Lerch. 1,942,300; Jan. 2.
- Package of expandible material and wrapper therefor. J. W. Clark. 1,943,615; Feb. 27.
- Package of tape and sewing thread. A. B. Collingbourne. 1,954,616; Apr. 10.
- Package of tape and sewing thread or the like. A. B. Collingbourne. 1,954,617; Apr. 10.
- Package of textile material and making the same. A. M. Cox. 1,947,406; Feb. 13.
- Package opener and dispenser, Combined. R. A. Butt and D. H. McGogy. 1,951,343; Mar. 20.
- Package opening device. J. Robertson. 1,979,641; Nov. 6.
- Package or similar article. C. Weiner. Des. 91,377; Jan. 16.
- Package, Sealed. H. G. Allen. 1,948,089; Feb. 20.
- Package, Sealed. E. Scofield. 1,972,277; Sept. 4.
- Package, Sealed. L. A. Von Till. 1,972,280; Sept. 4.
- Package, Shipping. R. J. Breton. 1,945,878; Feb. 6.
- Package, Waterproof shipping. P. J. Morrisroe. 1,983,868; Dec. 11.
- Package winding machine. J. O. McKean. 1,950,990; Mar. 13.
- Package winding machine. J. O. McKean. 1,966,259; July 10.
- Package wrapping machine. A. E. Johnson and J. F. Lindsey. 1,946,697; Feb. 13.
- Packaged article of manufacture. L. Kirschbraun. 1,982,215; Nov. 27.
- Packages and other wrappings, Device for opening. H. Irmischer and G. L. Buckley. 1,943,732; Jan. 16.
- Packages, Device for tying. L. Koczi. 1,959,720; May 22.
- Packages, Making hermetically sealed. F. R. Clark. 1,946,569; Feb. 13.
- Packages, Manufacturing hermetically sealed. S. Bergstein. 1,976,980; Oct. 16.
- Packages provided with tearing strips, Method and machine for making. C. E. Melhorn. 1,965,524; July 3.
- Packages, Sealing. S. Bergstein. 1,974,256; Sept. 18.
- Packages, Sealing. S. Bergstein. 1,980,179; Nov. 13.
- Packaging. C. C. Giese. 1,961,440; June 5.
- Packaging. N. Kraft. 1,965,769; July 10.
- Packaging. F. Riebel, jr. 1,970,193; Aug. 14.
- Packaging and display container. C. S. Andrews and A. J. Tanner. 1,945,251; Jan. 30.
- Packaging and display means. G. J. Harris. 1,943,762; Jan. 16.
- Packaging apparatus. A. Greco. 1,984,064; Dec. 11.
- Packaging container. H. F. Scott. 1,955,893; Apr. 24.
- Packaging device. J. L. Ferguson. 1,949,536; Mar. 6.
- Packaging for hosiery. W. C. Haines. 1,971,607; Aug. 28.
- Packaging machine. B. A. E. Johnson. 1,964,122; June 26.
- Packaging machine. E. Morey and R. H. Stimpson. 1,943,770; Jan. 16.
- Packaging machine. G. W. Mudd. 1,950,370; Mar. 6.
- Packaging method. R. L. Churchill. 1,969,453; Aug. 7.
- Packaging, Single service. J. R. van Wormer. 1,977,502; Oct. 16.
- Packer for wells. O. M. Davis. 1,975,390; Oct. 2.
- Packer head. G. Almquist. 1,972,002; Aug. 28.
- Packer or closure for well casings. F. Stahl. 1,956,137; Apr. 24.
- Packet display device, Inner. S. B. Stein. 1,960,558; May 29.
- Packet of sheet and decorative material and the like. R. N. Wallach. 1,960,962; May 29.
- Packet, Unitary manufacturing. C. J. Lingenfelter. 1,968,212; July 31.
- Packing. C. F. Field and Z. E. Flick. 1,980,720; Nov. 13.
- Packing. F. H. Field. 1,946,527-8; Feb. 13.
- Packing. L. S. Hamer. 1,961,583; June 5.
- Packing. C. R. Mastin. 1,968,650; July 31.
- Packing. F. E. Payne. 1,964,272; June 26.
- Packing. J. Restein. 1,948,630; Feb. 27.
- Packing. C. H. Sorensen. 1,946,552; Feb. 13.
- Packing and display box. F. J. and P. P. Addis. 1,958,257; May 8.
- Packing and making same. P. F. Schade. 1,961,675; June 5.
- Packing apparatus. W. H. Allen. 1,950,961; Mar. 13.
- Packing apparatus. H. C. Sumner, F. J. Taylor and F. Langley. 1,981,881; Nov. 27.
- Packing apparatus. D. W. Wadsworth and W. A. Breckon. 1,942,460; Jan. 9.
- Packing, Apparatus for producing metal. J. R. Price. 1,956,834; May 1.
- Packing arrangement. J. T. Brubaker. 1,959,566; May 22.
- Packing, Butter. E. M. Davis. 1,943,587; Jan. 16.
- Packing case. C. D. Fallert. 1,949,794; Mar. 6.
- Packing case. E. M. Neary. 1,952,817; Mar. 27.
- Packing container. C. F. Williams and C. Q. Ives. 1,967,642; July 24.
- Packing cushion. R. P. Clark. 1,956,854; May 1.
- Packing device. D. R. Yarnall. 1,977,565; Oct. 16.
- Packing device for universal joints. V. P. Williams. 1,949,947; Mar. 6.
- Packing, displaying, and dispensing device. L. A. Mackinburg. 1,947,351; Feb. 13.
- Packing for fragile articles. L. Mann. 1,967,037; July 17.
- Packing for gas cooled electric machines. A. Schnetzler. 1,965,671; July 10.
- Packing for shaft bearings. F. Waldorf. 1,957,054; May 1.
- Packing fruit and the like. J. W. Trew. 1,969,284; Aug. 7.
- Packing gland. F. B. Hewel. 1,952,671; Mar. 27.
- Packing gland, Fluid sealed. A. Baumann. 1,979,525; Nov. 6.
- Packing holder for fragile articles. F. D. Gray and R. Farnham. 1,982,428; Nov. 27.
- Packing in stuffing-boxes, Installing. H. T. Wheeler. 1,956,843; May 1.
- Packing ledge. F. M. Buchring. 1,966,160; July 10.
- Packing machine. H. T. Woodward. 1,953,524; Apr. 3.
- Packing machine for flattened or oval cigarettes. J. Neff. 1,954,020; Apr. 10.
- Packing, Machinery. C. R. Hubbard. 1,969,008; Aug. 7.
- Packing machinery. J. Pert. 1,971,875; Aug. 28.
- Packing, Making. C. W. Marsh. 1,949,610; Mar. 6.
- Packing material. W. J. De Reamer. 1,961,341; June 5.
- Packing material. M. Koppelman. 1,958,050; May 8.
- Packing material and conduit, Water repellent. C. Gottwald. Re19,302; Sept. 4.
- Packing material for fragile articles. W. D. Coil and W. J. De Reamer. 1,945,024; Jan. 30.
- Packing, Multistage impact. H. T. Wheeler. 1,978,239; Oct. 23.
- Packing pad. R. W. Burrows. 1,981,344; Nov. 20.
- Packing, Pipe. W. D. Moore. 1,958,011; May 8.
- Packing, Piston. J. F. Foehner. 1,945,524; Feb. 6.
- Packing, Plunger. A. A. Lane. 1,949,690; Mar. 6.
- Packing, Pump. O. J. Thompson and J. C. Heber. 1,973,585; Sept. 11.
- Packing ring and valve for internal combustion engines and the like. H. P. Stevens. 1,942,155; Jan. 2.
- Packing ring tool. J. E. Elms. 1,968,640; July 31.
- Packing rings, Making of. H. T. Wheeler. 1,978,240; Oct. 23.
- Packing, Rod. H. M. Wilcox. 1,958,221; May 8.
- Packing saddle for glass. C. H. Harding. 1,954,567; Apr. 10.
- Packing, Sectional machinery. E. N. Fox. 1,967,573; July 24.
- Packing, Shaft. R. Nilsson. 1,983,392; Dec. 4.
- Packing, Shaft. J. A. Olson. 1,958,246; May 8.
- Packing, Sheet. C. B. Bailey. 1,948,252; Feb. 20.

- Packing stand. S. S. Jacobs. 1,948,522; Feb. 27.
 Packing strips, Producing. G. Ruegenberg. 1,943,145; Jan. 9.
 Packing structure. J. W. Watson and R. F. Nowalk. 1,972,809; Sept. 4.
 Packing substance to the tightening spaces of dry gas holders, Device for supplying a greasy. K. Jagschitz. 1,967,576; July 24.
 Packing, Unequal density. H. T. Wheeler. 1,964,237; June 26.
 Packings, Apparatus for preparing. E. G. Loomis. 1,965,844; July 10.
 Packless valve. C. M. Sundstrom. 1,983,106; Dec. 4.
 Packless valve. J. C. Wheelhouse. 1,975,030; Sept. 25.
 Pad: See—
 Abrasive pad. Heating pad.
 Bed pad. Ink pad.
 Book form towel pad. Medical pad.
 Break and clutch pedal pad. Memorandum pad.
 Buffer pad. Nose pad.
 Calendar pad. Packing pad.
 Cleaning pad. Pedal pad.
 Coaster pad. Pneumatic crutch pad.
 Diathermy contact pad. Pressing pad.
 Electric heating pad. Ribbon pad.
 Filter pad. Sanitary pad.
 Foot comfort pad. Therapeutic bed-pad.
 Fountain inking pad. Vibratory pad.
 Guard pad. Water pad.
 Pad and device, Writing. B. B. Hoppe. 1,971,684; Aug. 28.
 Pad box. F. R. Merritt. 1,965,149; July 3.
 Pad box. W. D. Thomas. 1,964,833; July 3.
 Pad for fragile articles. W. J. De Reamer. 1,954,586; Apr. 10.
 Pad for garment pressing devices. C. Rossman. 1,975,407; Oct. 2.
 Pad for shipping cases. W. J. De Reamer. 1,955,907; Apr. 24.
 Pad for shoe holding machines. G. Laganas. 1,961,884; June 5.
 Pad for steam pressing machines, Ironing. A. Weber. 1,965,786; July 10.
 Pad holder. H. N. R. Carlson. 1,954,067; Apr. 10.
 Pad holder. F. Kaiser. 1,959,920; May 22.
 Pad holder and illuminating means therefor, Combined. R. L. Bloss. 1,985,335; Dec. 25.
 Pad retainer, Safety stair. D. E. Meltz. 1,974,340; Sept. 18.
 Padding, Laundry. J. A. Hunt. 1,975,103; Oct. 2.
 Padlock. C. W. Beaver. 1,949,402; Mar. 6.
 Padlock. S. R. Fraim. 1,942,328; Jan. 2.
 Padlock. A. Gahanag. 1,983,747; Dec. 11.
 Padlock. C. W. Meadowcroft. 1,971,914; Aug. 28.
 Padlock. E. B. Stone. Des. 92,117; Apr. 24.
 Padlock. E. B. Stone. Des. 92,377; May 29.
 Padlock. E. B. Stone. Des. 92,829; July 17.
 Padlock. E. B. Stone. 1,978,391; Oct. 23.
 Paging apparatus. R. B. Baker. 1,963,346; June 19.
 Pail. J. P. Shearer. 1,950,934; Mar. 13.
 Pail adapted to receive and discharge milk, Milking machine. C. H. Haggood. 1,972,144; Sept. 4.
 Pail and mop wringer receptacle, Combined. F. W. Pennock. 1,957,612; May 8.
 Pail, Calf feeding. J. M. Coyner. 1,972,375; Sept. 4.
 Pail, Milk. C. O. Gysler. 1,943,383; Jan. 16.
 Pail or egg basket, Wire. C. M. Gray, R. Thomas, and W. W. Carr. 1,950,921; Mar. 13.
 Pail protector. F. Colabrese. 1,959,262; May 15.
 Pail, Shipping and display. P. Strange. 1,953,318; Apr. 3.
 Paint. G. F. A. Stutz and A. C. Elm. 1,978,727; Oct. 30.
 Paint and brush protector. V. R. Lent. 1,983,619; Dec. 11.
 Paint and pigment therefor. W. G. Randolph. 1,942,491; Jan. 9.
 Paint and varnish remover containing petroleum hydrocarbons, Equilibrated. C. Ellis. 1,980,043; Nov. 6.
 Paint. Antitrust. H. Schladebach and H. Hähle. 1,983,006; Dec. 4.
 Paint, Apparatus for applying. A. F. Jenkins. 1,982,055; Nov. 27.
 Paint, Apparatus for removing. C. H. Kenney. 1,955,240; Apr. 17.
 Paint applying device. W. Piercy. 1,976,511; Oct. 9.
 Paintbrush, Fountain. M. Pilgrim. 1,981,067; Nov. 20.
 Paintbrush keeper. R. F. Johnson. 1,949,912; Mar. 6.
 Paint, Cement. J. C. Pearson. 1,966,080; July 10.
 Paint container. G. I. Eagleson. 1,960,733; May 29.
 Paint for textured wall decoration, Cold water plastic. H. J. Haire and J. D. Reynolds. 1,954,291; Apr. 10.
 Paint hardening and drying compound. L. S. Larsen. 1,963,497; June 19.
 Paint, Metallic. U. C. Tainton. 1,954,462; Apr. 10.
 Paint mixer. G. A. Smith and J. F. Foster. 1,948,401; Feb. 20.
 Paint mixer. C. R. Tibbetts. 1,980,643; Nov. 13.
 Paint mixing apparatus or device, Flexible shaft. M. W. Nelson. 1,954,093; Apr. 10.
 Paint-mixing machine. G. A. Bush. 1,983,164; Dec. 4.
 Paint or lacquer for food containers, Protective. A. Williams. 1,945,584; Feb. 6.
 Paint or the like, Mixing. 1,973,274; Sept. 11.
 Paint pigments, Production of noncorrosive. A. F. M. Ragg. 1,951,770; Mar. 20.
 Paint, Plastic. D. D. Crandell. 1,984,116; Dec. 11.
 Paint resistant to yellowing, Oil. C. G. Gauerke. 1,975,783; Oct. 9.
 Paint spraying apparatus. G. A. Yedd. 1,980,464; Nov. 13.
 Paint spraying device, Extension. A. H. Downs. 1,961,481; June 5.
 Paint stripper. A. W. Scoles. 1,965,753; July 10.
 Paint striping device. D. A. Wallace. 1,962,754; June 12.
 Paint vehicle for flaked pigments. H. H. Hopkins and J. Richardson, jr. 1,967,936; July 24.
 Paint, Water. H. A. Scholz and W. S. Randel. 1,947,497-8; Feb. 20.
 Painting instrument. E. M. Barden. 1,956,848; May 1.
 Painting mask for wheels. F. A. Neuman. 1,979,989; Nov. 6.
 Paints, enamels, etc., Manufacture of. F. Schmid. 1,944,813; Jan. 23.
 Paints, Marketing and shipping. J. W. Thompson. 1,944,042; Jan. 16.
 Pajama garment. G. Y. Sochel. 1,951,450; Mar. 20.
 Palate plate. H. and H. A. Kuhlmann. 1,966,763; July 17.
 Pamphlet stand. A. Sprague. 1,959,843; May 22.
 Pan and cover, Combined sauce. A. de Sakhnofsky. Des. 92,033; Apr. 17.
 Pan and cover therefor, Combined cooking. W. T. Christman. Des. 91,352; Jan. 16.
 Pan, Ash. A. J. App. 1,957,379; May 1.
 Pan, autoclave, digester and the like, Boiling. F. B. Kern and T. E. French. 1,942,818; Jan. 9.
 Pan, Brewing. J. Schaefer. 1,951,996; Mar. 20.
 Pan, Broiling. A. H. Brodbeck. Des. 92,387; June 5.
 Pan, Burner. H. C. Maul. Des. 92,481; June 12.
 Pan, Combination dripping. R. Howard. 1,957,013; May 1.
 Pan, filling apparatus. J. T. McMillan. 1,955,009; Apr. 17.
 Pan, Gold. J. E. Danills. 1,972,645; Sept. 4.
 Pan lifter. A. Asplund. 1,985,811; Dec. 25.
 Pan, Mineral washing. J. P. Ryan. 1,966,359; July 10.
 Pan, Miner's. O. K. Nicolai. 1,948,797; Feb. 27.
 Pan, Multiple pie baking. F. W. Birkenhauer. 1,979,664; Nov. 6.
 Pan, Oil. H. L. Knapp. 1,961,121; May 29.
 Pan or similar article. P. E. William. Des. 91,576; Feb. 20.
 Pan partition, Bake. A. Juelson. 1,949,421; Mar. 6.
 Pan, Pie. C. Bean. 1,974,443; Sept. 25.
 Pan, Pie baking. F. W. Birkenhauer. Des. 93,443; Oct. 2.
 Pan, Portable electric chocolate dipping. M. L. Preston. 1,951,257; Mar. 13.
 Pan, Reinforced baking. J. G. Jackson. 1,965,647; July 10.
 Pan, Refrigerator deck. D. Sandford. 1,967,518; July 24.
 Pan, Scraper. J. A. Dershem. 1,962,811; June 12.
 Pan set, Insulated. J. Kollman. 1,974,186; Sept. 18.
 Pan support. G. P. Flanagan. 1,980,131; Nov. 6.
 Pan, Vacuum. A. L. Webre. 1,958,078; May 8.
 Pans, Making baking. J. G. Jackson. 1,965,648; July 10.
 Panel and fabrication, Laminated. H. J. Woodall. 1,945,717; Feb. 6.
 Panelboard. F. B. Adam. 1,977,032; Oct. 16.
 Panel board and producing same, Resinous. C. L. Keller. 1,956,866; May 1.
 Panelboard and testing means therefor. P. S. Jenkins. 1,980,721; Nov. 13.
 Panel board equipped for testing. H. J. L. Frank. 1,950,486; Mar. 13.
 Panel board, Making. J. W. Ledebor. 1,982,314; Nov. 27.
 Panelboard, Metering. H. G. Baxter. 1,958,882; May 15.
 Panel board of the dead front convertible type. H. J. L. Frank. 1,974,452; Sept. 25.
 Panel board switch. J. E. Carlson. 1,956,434; Apr. 24.
 Panel construction, Composite. G. K. Lewis. 1,974,465; Sept. 25.
 Panel, Cushioning. E. A. Leonard. 1,968,084; July 31.
 Panel device, Folding. E. Reichl. 1,944,696; Jan. 23.
 Panel distributing board. H. F. Starrett. 1,981,929; Nov. 27.
 Panel fastener. G. Boden. 1,965,520; July 3.
 Panel fastener. A. L. Le Page. 1,948,462; Feb. 20.
 Panel, Finishing. H. B. Warren. 1,972,545; Sept. 4.
 Panel for automobile radiator shells, Grille-guarded frontal. L. B. Green. Des. 93,616; Oct. 16.
 Panel for cedar chests or like receptacles, Sealing. G. A. Loftin. 1,978,138; Oct. 23.
 Panel for penal institutions, Visiting. E. Forsell. 1,977,719; Oct. 23.
 Panel having a charred face, Producing. G. R. Meyer-cord. 1,972,942; Sept. 11.
 Panel, Illuminated. K. C. Welch. 1,979,358; Nov. 6.
 Panel, Laminated. H. J. Woodall. 1,963,393; June 19.
 Panel lock joint. G. H. Anderson. 1,959,326; May 15.
 Panel, Metal building. J. E. A. Moore. 1,972,570; Sept. 4.
 Panel, Mineral fiber soundproof. K. W. Huffine. 1,984,190; Dec. 11.
 Panel or switch box. W. Wurdack. 1,967,523; July 24.
 Panel, Sound absorbing. B. D. McIntyre. 1,947,788; Feb. 20.
 Panel structure. H. G. Cotton. 1,965,883; July 10.
 Panel switch. R. J. Parsons and J. W. Conway. 1,974,468; Sept. 25.
 Panel, Translucent. D. S. Barrows. 1,973,792; Sept. 18.
 Panel, Trim. H. J. Woodall. 1,979,131; Oct. 30.
 Panels, Gluing laminated. G. R. Meyer-cord. 1,945,560; Feb. 6.

- Panels, Manufacture of thin. R. de Fleury. 1,963,890; June 19.
- Panels or the like, Securing trim. B. C. Place. 1,968,168; July 31.
- Panoramagrams, Apparatus for making stereoscopic parallax. H. E. Ives. 1,960,011; May 22.
- Pants turner. F. A. Schmidt and H. H. Kramer. 1,962,878; June 12.
- Paper. A. D. Williams. Des. 91,476; Feb. 6.
- Paper and board manufacture. F. L. Carson. 1,979,864; Nov. 6.
- Paper and making same. W. C. Nash. 1,973,722; Sept. 18.
- Paper and method, Crepe. G. R. Alden. 1,958,411; May 15.
- Paper and method of producing, Tracing. H. M. Spurlin. 1,946,338; Feb. 6.
- Paper and process of and apparatus for making the same. N. Statham and T. G. Leek. 1,983,572; Dec. 11.
- Paper and producing same, Coated. C. L. Gabriel. 1,946,203-5; Feb. 6.
- Paper and producing the same, Treated. J. Reid. 1,956,961; May 1.
- Paper and product thereof, Treating. W. E. Swift. 1,977,022; Oct. 16.
- Paper and tape, Gummed. P. W. Herrlinger. 1,978,631; Oct. 30.
- Paper and the like, Apparatus for treating coated. H. F. Scott. 1,958,721; May 15.
- Paper and the like, Coating. C. A. Dickhaut and C. C. Willis. 1,942,383; Jan. 2.
- Paper and the like, Shredding. W. J. Winston. 1,947,323; Feb. 13.
- Paper, Apparatus for and method of coloring. W. P. Feeney. 1,964,567; June 26.
- Paper, Apparatus for drying. F. C. Ladd. 1,949,125; Feb. 27.
- Paper, Apparatus for drying coating. C. C. Willis. 1,951,004; Mar. 13.
- Paper, Apparatus for producing perforated. J. F. Hawley. 1,942,168; Jan. 2.
- Paper, Apparatus for the treatment of toilet. H. W. Sherman. 1,967,726; July 24.
- Paper, Apparatus for treating and seasoning. W. R. Redd. 1,949,330; Feb. 27.
- Paper article. H. W. Martin. 1,959,134; May 15.
- Paper article. A. Rosenfeld. 1,953,563; Apr. 17.
- Paper article and manufacture thereof, Molded. A. Keiding. 1,963,134; June 19.
- Paper article of apparel. H. G. Hillard. 1,941,836; Jan. 2.
- Paper articles, Folded. S. J. Campbell. 1,962,762; June 12.
- Paper articles, Manufacturing folded. S. J. Campbell. 1,959,409; May 22.
- Paper attachment for show cases, Wrapping. C. V. Hill. 1,949,373; Feb. 27.
- Paper attachment for show cases, Wrapping. C. V. Hill. 1,952,374; Mar. 27.
- Paper, Automatic device for feeding. N. T. Shepherd. 1,951,067; Mar. 13.
- Paper bag. C. G. Eaton. 1,982,503; Nov. 27.
- Paper bag. T. S. Falk. 1,948,569; Feb. 27.
- Paper bag. T. S. Falk. 1,951,011; Mar. 13.
- Paper bag. T. Hayashi. 1,968,487; July 31.
- Paper bag. G. W. Poppe. 1,952,891; Mar. 27.
- Paper bag. H. W. Vierengel. 1,973,236; Sept. 11.
- Paper board, Manufacture of multi-ply. D. O. Jones and G. C. Krug. 1,961,365; June 5.
- Paper bodies, Manufacturing hollow. P. E. Winnertz. 1,964,709; June 26.
- Paper bonding method and composition. G. E. Corson. 1,977,574; Oct. 16.
- Paper box. R. A. Gross. 1,947,711; Feb. 20.
- Paper box. R. A. Gross. 1,957,264; May 1.
- Paper box. A. N. Himes. 1,985,778; Dec. 25.
- Paper box. R. A. Himes. 1,985,779; Dec. 25.
- Paper box. W. S. Jackson. 1,956,124; Apr. 24.
- Paper box handle. A. Fink. 1,975,453; Oct. 2.
- Paper box opening machine. W. P. Stein. 1,976,150; Oct. 9.
- Paper by the use of paraffin and other hydrophobic materials, Manufacture of open space coated abrasive. F. J. Tone. 1,941,962; Jan. 2.
- Paper can. J. G. Witte. 1,979,923; Nov. 6.
- Paper, Carbon. W. E. Clarke. 1,943,722; Jan. 16.
- Paper carrying a synthetic resin of petroleum origin and making the same, Sized. C. Ellis. 1,948,442; Feb. 20.
- Paper cleaning machine. G. Van Wormer. 1,947,748; Feb. 20.
- Paper clip. H. G. Lankenau. 1,985,866; Dec. 25.
- Paper clip. F. M. Linco. 1,972,452; Sept. 4.
- Paper, Coating. Van H. Wilshire. 1,963,058; June 12.
- Paper coating machine. A. Lester. 1,971,789; Aug. 28.
- Paper coating machine. F. T. Powers. 1,954,098; Apr. 10.
- Paper, Composite cleaning and polishing. F. A. Howard. 1,960,192; May 22.
- Paper cones, Method of and machine for manufacturing. C. K. Dunlap. 1,946,198; Feb. 6.
- Paper container. F. J. Dolan. 1,958,472; May 15.
- Paper container. L. F. Fallows. 1,961,556-7; June 5.
- Paper container. E. P. Herrmann. 1,954,815; Apr. 17.
- Paper container. E. P. Herrmann. 1,961,559-60; June 5.
- Paper container. E. P. Herrmann. 1,963,994; June 26.
- Paper container. E. P. Herrmann. 1,971,071; Aug. 21.
- Paper container. L. E. La Bombard. 1,965,418; July 3.
- Paper container. E. Z. Taylor. 1,961,535; June 5.
- Paper container. W. L. Wright. 1,954,306; Apr. 10.
- Paper container, Laminated. J. Olson. 1,979,992; Nov. 6.
- Paper container machine. E. C. Angell. 1,958,413; May 15.
- Paper, Copperized. W. R. Barber, A. G. Natwick, and M. W. Phelps. 1,947,451; Feb. 20.
- Paper crimping device. C. C. Mason. 1,960,059; May 22.
- Paper crimping device. W. N. Thode. 1,954,965; Apr. 17.
- Paper cup. H. Carew. 1,972,006; Aug. 28.
- Paper cup dispenser. S. N. Hope and P. Drath. 1,944,431; Jan. 23.
- Paper cutter. D. Castain. 1,946,731; Feb. 13.
- Paper cutter. C. L. Hinsch. 1,968,488; July 31.
- Paper cutter. W. L. Valiquette. 1,942,521; Jan. 9.
- Paper cutting machine. G. C. Beidler. 1,976,156; Oct. 9.
- Paper-cutting machine. W. M. Reichart. 1,945,703; Feb. 6.
- Paper cutting machine. F. W. Seybold. Re19,172; May 22.
- Paper cutting machine. R. S. Tyler and H. McGeorge. 1,967,600; July 24.
- Paper cutting machine. W. L. Valiquette. 1,964,545; June 26.
- Paper cutting mechanism. T. H. Hallwood. 1,947,340; Feb. 13.
- Paper, Decalcomania. J. MacLaurin. 1,951,620; Mar. 20.
- Paper, Decalcomania transfer. F. W. Humphner. 1,965,289; July 3.
- Paper, Device for testing. L. C. Currier. 1,953,155; Apr. 3.
- Paper dispensing device. A. S. Katz. 1,975,792; Oct. 9.
- Paper dispensing device. A. S. Katz. 1,977,187; Oct. 16.
- Paper, Drying crinkle or crepe. J. C. Corcoran. 1,967,609; July 24.
- Paper fabric and other products. G. A. Richter and M. O. Schur. 1,969,855; Aug. 14.
- Paper fastener. A. A. Dayton. 1,978,569; Oct. 30.
- Paper fastener. J. Schade. 1,961,985; June 5.
- Paper fastener. H. D. Snyder. 1,962,726-7; June 12.
- Paper fastener. P. O. Unger. 1,982,272; Nov. 27.
- Paper feed for automatic projection printers. D. A. Young. 1,981,406; Nov. 20.
- Paper feed for parcel post machines. G. W. Lawrence. 1,963,205; June 19.
- Paper feed mechanism. L. P. Crosman. 1,945,026; Jan. 30.
- Paper feed mechanism. E. F. Watson and T. A. McCann. 1,983,586; Dec. 11.
- Paper feed mechanism for tabulating or other printing machines. A. Thomas and F. G. S. English. 1,985,331; Dec. 25.
- Paper feeder and cutter, Roll. H. Bowles and J. W. McClintock. 1,959,332; May 22.
- Paper feeding device. C. Eichehauer. 1,957,203; May 1.
- Paper feeding mechanism. H. T. Nicholas. 1,956,807; May 1.
- Paper feeding mechanism. D. F. Schumacher. 1,944,673; Jan. 23.
- Paper feeding mechanism for printing machines. P. M. Colquhoun. 1,965,578; July 10.
- Paper feeding mechanism for printing machines. A. W. Harries. 1,954,734; Apr. 10.
- Paper, Finishing and conditioning. J. S. G. Shotwell. 1,962,882; June 12.
- Paper fixture, Roll. S. N. Hope and P. Drath. 1,951,414; Mar. 20.
- Paper folding machine. O. Kleinschmit and M. Apitzsch. 1,961,000; May 29.
- Paper folding machine. S. L. Sharpless. 1,945,756; Feb. 6.
- Paper folding machine. G. Spiess. 1,961,648; June 5.
- Paper for corrugating purposes and forming the same. P. Drewsen. 1,966,238; July 10.
- Paper for nitration, Conditioning. M. O. Schur, B. G. Hoos, and T. C. Morris. 1,948,943; Feb. 27.
- Paper for photographic goods, Wrapping. S. E. Sheppard and H. J. Dietz. 1,954,333; Apr. 10.
- Paper, Glycerinated. G. A. Richter. 1,964,793; July 3.
- Paper-handling machine. R. Hitchcock. 1,946,142-3; Feb. 6.
- Paper hangers, Apparatus for the use of. S. R. Barber. 1,974,734; Sept. 25.
- Paper hanger's board. D. H. Wieslander. 1,972,213; Sept. 4.
- Paper holder. F. R. Snell. 1,971,539; Aug. 28.
- Paper holder and cutter, Toilet. C. N. Wade. 1,975,414; Oct. 2.
- Paper in process of manufacture, Marking. F. H. Carey. 1,971,641; Aug. 28.
- Paper, Indented. W. H. Ellis Jr. Re19,301; Sept. 4.
- Paper, Indenting. C. A. Bahr. 1,941,783; Jan. 2.
- Paper liner for boxes. W. W. Moore. 1,967,535; July 24.
- Paper linings, Apparatus for folding. H. Paxton. 1,974,192; Sept. 18.
- Paper machine. I. Stern. 1,966,361; July 10.
- Paper machine and a method of handling the trim from the paper machine wire. H. McVicker and E. F. Bearce. 1,945,118; Jan. 30.
- Paper machine, Fourdrinier. J. A. L. Blais and H. P. Hamelin. 1,959,520; May 22.
- Paper machinery. C. R. Crawford. 1,950,713; Mar. 13.
- Paper machinery. H. L. Kutter. 1,964,291; June 26.
- Paper machinery. H. L. Kutter. 1,969,140; Aug. 7.

- Paper machines, Smoothing roll in. R. W. Maggart. 1,944,093; Jan. 16.
- Paper-making. H. M. Cyr. 1,954,799; Apr. 17.
- Paper-making. H. M. Cyr and O. Kress. 1,954,800; Apr. 17.
- Paper making. H. W. Fieberts. 1,957,824; May 8.
- Paper making. L. D. Frisbie. 1,970,227; Aug. 14.
- Paper making. C. I. Goessman. 1,944,886; Jan. 30.
- Paper making. F. R. Graham. 1,958,750; May 15.
- Paper, Making. C. W. Smith. 1,957,913; May 8.
- Paper making apparatus. C. M. Bryan. 1,980,253; Nov. 13.
- Paper making apparatus. W. R. Kellett. 1,981,049; Nov. 20.
- Paper, Making composite. J. C. Mosher. 1,969,938; Aug. 14.
- Paper, Making filled surface. C. F. Boyers. 1,944,835; Jan. 23.
- Paper making machine. R. M. Johnstone. 1,957,963; May 8.
- Paper making machine. W. R. McPherson and P. J. Van Norden. 1,972,389; Sept. 4.
- Paper making machine. S. Milne. 1,970,180; Aug. 14.
- Paper-making machine. W. J. O'Brien. 1,972,392; Sept. 4.
- Paper making machine. C. W. Valentine and N. Rigabar. 1,962,627; June 12.
- Paper making machinery. E. E. Berry. 1,947,636; Feb. 20.
- Paper making machines, Apparatus for feeding. G. D. Kilberry. 1,984,484; Dec. 18.
- Paper making machines, Method and apparatus for snowing uniformity of sheet formation in. A. E. Broughton. 1,969,546; Aug. 7.
- Paper making process. H. L. Levin. 1,970,426; Aug. 14.
- Paper, Making safety. F. S. Wood. 1,964,791; July 3.
- Paper manufacture. J. D. Clark and J. E. Graves. 1,950,351; Mar. 6.
- Paper manufacture. H. R. Rafton. 1,957,474; May 8.
- Paper manufacture. H. R. Rafton. 1,976,743-5; Oct. 16.
- Paper manufacture. L. D. Smiley. 1,945,205; Jan. 30.
- Paper manufacture. J. H. Swan, 3d. 1,957,368; May 1.
- Paper manufacture. J. H. Swan, 3d. 1,957,369; May 1.
- Paper manufacture. J. H. Swan, 3d. 1,985,698; Dec. 25.
- Paper manufacture. C. A. Thomas and J. H. Swan, 3d. 1,957,370; May 1.
- Paper manufacture. J. Traquair. 1,961,405; June 5.
- Paper manufacture. J. Traquair and F. G. Rawling. 1,942,622; Jan. 9.
- Paper manufacture. J. A. Yates. 1,977,221; Oct. 16.
- Paper manufacture. L. M. Yoerg. 1,969,592; Aug. 7.
- Paper, Manufacture of. J. C. Corcoran. 1,974,103; Sept. 18.
- Paper, Manufacture of. D. A. Smith. 1,949,188; Feb. 27.
- Paper, Manufacture of moistureproof opaque or transparent. E. Sonnenfeld. 1,964,862; July 3.
- Paper manufacturing machine. E. T. Jaeger. 1,947,205; Feb. 13.
- Paper, Manufacturing positive sensitized. S. Sakurai. 1,971,966; Aug. 28.
- Paper, Marking. S. Steinberg. 1,941,633; Jan. 2.
- Paper material or boards, Drying laminated. J. C. Corcoran. 1,977,045; Oct. 16.
- Paper, Method and apparatus for cutting and folding. F. S. Van Voorhis. 1,961,266; June 5.
- Paper, Method and machine for making. R. F. Nelson. 1,965,719; July 10.
- Paper, Method of and apparatus for coating. S. Lebel. 1,980,923; Nov. 13.
- Paper, Method of and apparatus for making. J. D. Tompkins. 1,951,714; Mar. 20.
- Paper, Method of and apparatus for producing multishade mottled. O. H. Hedstron, jr. 1,981,803; Nov. 20.
- Paper milk bottle. J. Wainwright, jr. 1,968,727; July 31.
- Paper of increased opacity. A. B. Hurley. 1,969,707; Aug. 7.
- Paper or similar material, Embossed transparent. K. Coe. Des. 93,156; Aug. 28.
- Paper or the like, Apparatus for coating. R. S. Bracewell. 1,946,831; Feb. 13.
- Paper package, Sheet. H. S. Haggerty. 1,946,689; Feb. 13.
- Paper package, Wax. B. E. Baker. 1,984,780; Dec. 18.
- Paper pasting apparatus. M. F. Burgund. 1,966,708; July 17.
- Paper piercing device. H. A. W. Wood. 1,985,755; Dec. 25.
- Paper, Positive sensitized. S. Sakurai. 1,983,005; Dec. 4.
- Paper, Process and apparatus for making. C. G. Bright. 1,957,817; May 8.
- Paper, Process and apparatus for making. C. G. Bright. 1,964,312; June 26.
- Paper, Producing crepe. C. C. Willis. 1,956,750; May 1.
- Paper, Producing ornamental building. J. B. Fleming. 1,973,339; Sept. 11.
- Paper, Producing perforated. J. F. Hawley. 1,965,893; July 10.
- Paper product. G. J. Manson. 1,942,438; Jan. 9.
- Paper product. G. A. Richter and M. O. Schur. 1,961,914; June 5.
- Paper product, Impregnated. F. H. McCormick and G. L. Schwartz. 1,944,907; Jan. 30.
- Paper pulp and analogous masses, Centrifugal machine for purification of. G. Grauss. 1,975,319; Oct. 2.
- Paper pulp Bleaching. R. S. Hatch. 1,982,002; Nov. 27.
- Paper pulp, Bleaching. R. B. Wolf, R. S. Hatch, and R. P. Hill. 1,960,613; May 29.
- Paper pulp extractor. L. V. Reese and G. W. Johnson. 1,981,924; Nov. 27.
- Paper pulp, Manufacture of. A. G. MacIntyre. 1,945,862; Feb. 6.
- Paper pulp, Production of. P. A. Paulson. 1,969,421; Aug. 7.
- Paper pulp refining engine. S. Milne. 1,951,519; Mar. 20.
- Paper pulp regulator, Automatic. W. R. Morgan. 1,966,638; July 17.
- Paper pulp screening machine. N. M. Knight. 1,959,210; May 15.
- Paper pulp, Treating. G. Rosen. 1,968,223; July 31.
- Paper, Punching. A. Glaeser. 1,968,446; July 31.
- Paper, Reenforcing. E. H. Angier. 1,974,594; Sept. 25.
- Paper, Resinate copperized. W. R. Barber, A. G. Natick, and M. W. Phelps. 1,947,452; Feb. 20.
- Paper roll and feeding and cutting device. S. Nadelson. 1,967,422; July 24.
- Paper roll holder. C. A. Jarvis. 1,953,349; Apr. 3.
- Paper roll holder. F. T. Smith. 1,981,673; Nov. 20.
- Paper, Roll of direct positive. J. Florian. 1,966,404; July 10.
- Paper roll stand. O. C. Roosen. 1,980,879; Nov. 13.
- Paper roll stand. H. A. W. Wood. 1,957,121-2; May 1.
- Paper serving apparatus. I. A. Easterling. 1,981,590; Nov. 20.
- Paper sheet. L. B. Kuhn. 1,963,994; July 3.
- Paper sheet ejection, Push pull-type. F. E. Pfeiffer. 1,980,354; Nov. 13.
- Paper, Shelf. E. Karfiol. Des. 91,324; Jan. 9.
- Paper, Shelf. E. Karfiol. Des. 91,430; Jan. 30.
- Paper, Shelf. E. Karfiol. Des. 91,780; Mar. 20.
- Paper, Shelf. E. Karfiol. Des. 92,252; May 15.
- Paper, Shot-shell and shot-shell body. V. E. Rosien. 1,959,109; May 15.
- Paper shredding machine. H. W. Wilson. 1,966,109; July 10.
- Paper, Sized. H. V. Dunham. 1,965,693; July 10.
- Paper sizing and composition therefor. G. A. Richter. 1,969,856; Aug. 14.
- Paper slitting and stacking device. J. E. Anthony. 1,951,389; Mar. 20.
- Paper-sorting machine. L. L. Matthews. 1,942,870; Jan. 9.
- Paper spacing device. A. Dicke, E. Richter, and D. Schumacher. 1,976,603; Oct. 9.
- Paper stock, Apparatus for refining. J. D. DeCew. 1,947,900; Feb. 20.
- Paper stock, Method and apparatus for reconditioning. F. Grewin. 1,960,106; May 22.
- Paper stuffing machine. A. Zimmer. 1,951,300; Mar. 13.
- Paper supporting device. P. Saunders. 1,978,553; Oct. 30.
- Paper take-up mechanism. H. F. Sedgebury. 1,953,869; Apr. 3.
- Paper, Treating. L. M. Yoerg. 1,948,874; Feb. 27.
- Paper tube cutting device. G. W. B. White and A. E. Blanchet. 1,953,205; Apr. 3.
- Paper, Waterproof and punctureproof. L. G. Copeman. 1,976,329; Oct. 9.
- Paper waxing composition. G. J. Manson. 1,953,085; Apr. 3.
- Paper web drying means. H. R. Williams. 1,961,182; June 5.
- Paper web, Method of and machine for slitting and stacking folded plies of. L. T. Hand. 1,985,676; Dec. 25.
- Paper webs, Making manifold. L. M. Snyder. 1,943,264; Jan. 9.
- Paper webs, Process and apparatus for cutting printed. A. Bolza. 1,965,029; July 3.
- Paper winder. E. E. Berry. 1,950,159; Mar. 6.
- Paper winder. E. E. Berry. 1,979,310; Nov. 6.
- Paper winder. C. A. Fourness. 1,949,997; Mar. 6.
- Paper winding machine. W. G. Vernon, P. D. Parsons, and J. E. Hires. 1,976,641; Oct. 9.
- Paper, Wrapping. W. W. Herrick. 1,946,141; Feb. 6.
- Paper, Wrapping. A. Lewin. Des. 93,779; Nov. 6.
- Papering machine. Wall. A. Lloyd. 1,960,850; May 29.
- Papers, cardboards, and pasteboards and finished containers made from those, Manufacturing water-proof textile. H. Wrede. 1,981,405; Nov. 20.
- Papers, Fabrication of corrugated. C. Q. Ives. 1,975,548; Oct. 2.
- Papers of high wet strength, Manufacture of water-repellent. G. A. Richter and M. O. Schur. 1,971,274; Aug. 21.
- Papers or paper articles sized with wax dispersions, Manufacture of water-repellent. O. F. Neitzke. 1,983,918; Dec. 11.
- Parachute. L. L. Driggs, jr. 1,951,864; Mar. 20.
- Parachute. J. Eschner. 1,946,066; Feb. 6.
- Parachute apparatus. H. L. Adams. 1,972,813; Sept. 4.
- Parachute apparatus. H. G. Hamer. 1,958,000; May 8.
- Parachute apparatus. E. H. Nichols. 1,944,801; Jan. 23.
- Parachute for airplanes, Safety. J. Krasnodnmsky. 1,971,377; Aug. 28.
- Parachute harness. J. A. Binnie. 1,965,570; July 10.
- Parachute pack harness. S. Switlik. 1,964,864; July 3.
- Parachute rip cord apparatus. H. E. Lafayette. 1,944,795; Jan. 23.
- Parachutes, Retarding device for. W. A. Gibson. 1,947,468; Feb. 20.

- Para cresol from a liquid phenolic mixture, Separation of. F. Comte. 1,980,385; Nov. 13.
- Paraffin emulsion and the like and making the same. H. L. Becher. 1,973,692; Sept. 18.
- Paraffin hydrocarbons and product thereof, Nitrating. H. B. Hass, E. B. Hodge, and B. M. Vanderbilt. 1,967,667; July 24.
- Paraffin hydrocarbons, Reforming of light. W. F. Faber. 1,961,288; June 5.
- Paraffin waxes, Chlorination of. E. J. Barth. 1,953,286; Apr. 3.
- Paraformaldehyde, Production of. O. Fuchs and E. Naujoks. 1,948,069; Feb. 20.
- Parallel operation dynamo-electric machine. H. A. Winne and L. A. Umansky. 1,953,792; Apr. 3.
- Parallel steam engine. T. O. Liles. 1,948,526; Feb. 27.
- Para-sec-alkylamino-phenols, Preparing. R. T. Major. 1,978,433; Oct. 30.
- Parasiticide. J. M. Schaffer and F. W. Tilley. 1,950,818; Mar. 13.
- Parasiticide and making the same. M. L. Tower and H. W. Dye. 1,945,542; Feb. 6.
- Parasiticides and method of mothproofing. P. L. Salzberg and F. M. Meigs. 1,955,891; Apr. 24.
- Parcel carrier. A. T. Oberg. 1,967,560; July 24.
- Parcel rack. L. P. Warder and H. P. Manley. 1,946,374; Feb. 6.
- Pare, Orange. D. E. China. 1,956,492; Apr. 24.
- Paring device. H. C. MacDougall. 1,951,804; Mar. 20.
- Parking apparatus. J. L. Barr. 1,963,879; June 19.
- Parking device. J. L. Barr. 1,969,198; Aug. 7.
- Parking device for vehicles. C. Gird and F. M. Case. 1,951,145; Mar. 13.
- Parking device, Spare tire vehicle. J. H. Moffat. 1,948,043; Feb. 20.
- Parking indicator. R. W. Babson. 1,965,066; July 3.
- Parking light. R. M. Stein. 1,984,817; Dec. 18.
- Parking meter, Automatic. R. W. Babson. 1,973,275; Sept. 11.
- Parlor game board. J. C. Raborn. 93,519; Oct. 2.
- Parquet floor block. H. P. Schuck. 1,968,714; July 31.
- Particle products from gelatinizing substances, Forming small. V. Pantenburg. 1,965,509; July 3.
- Particles composing a mass, Process and apparatus for the separation of. H. M. Sutton and W. L. and E. G. Steele. 1,982,601; Nov. 27.
- Particles suspended in air, Dispersing. E. V. Amy. 1,980,171; Nov. 13.
- Parting compound. L. H. Heyl. 1,962,686; June 12.
- Partite material, Sizing. R. Peale and K. Davis. 1,961,449; June 5.
- Partition. A. G. Dawson. 1,949,531; Mar. 6.
- Partition. A. H. Tashjian. 1,985,196; Dec. 18.
- Partition, Adjustable. E. E. Koenig and E. N. Winslow. 1,965,600; July 10.
- Partition ceiling construction, Factory fabricated. R. L. Davison. 1,960,575; May 29.
- Partition connector. R. L. Davison. 1,972,475; Sept. 4.
- Partition construction. T. Collins. 1,951,346; Mar. 20.
- Partition construction, Metallic. J. A. Bohnsack and T. V. Balch. 1,946,268; Feb. 6.
- Partition construction, Sectional. E. E. Koenig and G. M. Mills. 1,965,599; July 10.
- Partition element for milk bottle cases, Lower. J. F. Maurer. 1,953,820; Apr. 24.
- Partition, Interchangeable. E. E. Koenig. 1,965,597-8; July 10.
- Partition, Metal. A. S. Driver. 1,962,768; June 12.
- Partition, Metallic. P. F. Bender and C. C. Waite. 1,964,422; June 26.
- Partition panel joint. G. A. MacDonald. 1,962,826; June 12.
- Partition scribe, Metal. J. A. Bohnsack and E. Heller. 1,960,078; May 22.
- Partition, Sliding and folding. E. H. Ellison. 1,964,316; June 26.
- Partition structure, Metallic. W. S. Snead. 1,951,778; Mar. 20.
- Partition support. P. H. Meyer. 1,978,501; Oct. 30.
- Parts moving means. J. Y. Blazek and R. G. Anderson. 1,945,476; Jan. 30.
- Passenger lift for disk gas holders. A. Lorentz. 1,948,527; Feb. 27.
- Paste applying mechanism. W. D. Kimball. 1,985,293; Dec. 25.
- Pasteboard box. C. M. Owens and F. J. Peterson. 1,977,859; Oct. 23.
- Paste distributor. V. A. Hamilton. 1,941,800; Jan. 2.
- Paste for storage battery plates. H. R. Harner and T. W. Carney. 1,975,544; Oct. 2.
- Paste material from collapsible tubes, Device for ejecting. H. C. Holly and J. W. McCarthy. Des. 93,658; Oct. 23.
- Paste of polymerized vinyl esters. W. O. Herrmann and W. Haehnel. 1,962,930; June 12.
- Paste tube. B. C. Berry. 1,956,558; May 1.
- Paste tube. H. E. Klindinst. 1,965,290; July 3.
- Paste tube. H. C. Taylor. 1,974,632; Sept. 25.
- Paste tube, Collapsible. L. Chicoin. 1,969,395; Aug. 7.
- Paste tube dispenser. J. E. Bannister. 1,975,915; Oct. 9.
- Paste tube holder. W. Jeffreys. 1,959,365; May 22.
- Paste tube, Self-closing. A. Berendt. 1,977,227; Oct. 16.
- Paste tube, Self-sealing. C. Hasse and G. Woolley. 1,948,070; Feb. 20.
- Pasters, Method and apparatus for making high speed. A. J. Cline. 1,975,348; Oct. 2.
- Pasting machine. G. N. Goodrich and C. G. Reetz. 1,975,039; Sept. 25.
- Pasting mechanism for cigarette-making machines. R. J. A. Chandler. 1,977,985; Oct. 23.
- Pasting mechanism for stitching machines. O. Kleinschmit and O. Müller. 1,941,867; Jan. 2.
- Pasteurization of milk and other liquids. A. G. Enock. 1,968,751; July 31.
- Pasteurizer. A. H. Boileau. Des. 92,698; July 10.
- Pasteurizer. C. Morrow. 1,954,218; Apr. 10.
- Pasteurizer, Milk. W. Sangster. 1,945,333; Jan. 30.
- Pasteurizing apparatus. E. Behringer. 1,955,787; Apr. 24.
- Pasteurizing holder. W. F. Schildman. 1,948,279; Feb. 20.
- Pasteurizing or sterilizing plant. B. A. Christie, M. E. Guermont, and J. M. Taylor. 1,977,044; Oct. 16.
- Pastry cutter. R. J. Hartenberger. Des. 93,396; Sept. 25.
- Pastry holder. F. D. Gray. 1,945,397; Jan. 30.
- Patch and plug, Combined blow-out. T. W. Mullen. 1,942,116; Jan. 2.
- Patch for automobile tires, Repair. J. G. Hall. 1,955,420; Apr. 17.
- Patch, Tire repair. W. L. Knapton. 1,968,606; July 31.
- Patent leather surfaces, Separating. S. J. Coughlin. 1,962,233; June 12.
- Patient position supporting attachment for. H. P. Barghausen and C. N. Smith. 1,968,120; July 31.
- Patina upon copper or its alloys, Production of an adherent. C. E. Irion and G. L. Craig. 1,974,140; Sept. 18.
- Patrol type of flying boat. I. M. Laddon. Des. 92,912; July 31.
- Pattern attachment for knitting machines. H. E. Page. 1,951,767; Mar. 20.
- Pattern, Garment. F. Hutter. 1,982,005; Nov. 27.
- Pattern grading machine. T. A. Kestell. 1,953,236; Apr. 3.
- Pattern grading machine. A. Pecher. 1,977,140; Oct. 16.
- Pattern grading machine. G. F. Ryan. 1,982,764; Dec. 4.
- Pattern mechanism for knitting machines. A. E. Page. 1,969,853; Aug. 14.
- Pattern selecting mechanism. G. H. White. 1,943,354; Jan. 16.
- Pattern selecting mechanism. G. H. White. 1,955,446; Apr. 17.
- Pattern sheet controlled mechanism for illuminable signs. A. A. and J. C. Jimenez. Re19,198; June 5.
- Pattern sizer. B. Van Patten. 1,961,115; May 29.
- Patterns for die structures, Making. P. R. Zinser. 1,979,132; Oct. 30.
- Pavement. K. E. McConaughay. 1,952,508; Mar. 27.
- Pavement and laying same, Reinforced. C. M. MacChesney. 1,943,328; Jan. 16.
- Pavement and laying the same, Reinforced. C. M. MacChesney and A. B. Wilson. 1,952,721; Mar. 27.
- Pavement and making same. C. W. Allshouse. 1,958,506; May 15.
- Pavement crack clearing device. H. F. Holtz. 1,945,810; Feb. 6.
- Pavement expansion clip. R. C. Holcomb. 1,976,396; Oct. 9.
- Pavement grid and making the same, Sheet metal. G. M. Smith. 1,983,412; Dec. 4.
- Pavement joint. J. E. H. Brown. 1,961,580; June 5.
- Pavement, Manufacture of cold laid. C. M. Baskin, Toronto, Ontario, Canada. 1,973,599; Sept. 11.
- Pavement, Reinforced. A. B. Wilson. 1,981,489; Nov. 20.
- Pavement, Sand rock asphalt. G. H. Alvey. 1,946,517; Feb. 13.
- Pavement signal. W. E. Grace. Des. 91,622; Feb. 27.
- Pavement slab. P. J. Piccirilli. 1,984,944; Dec. 18.
- Pavement, Wood block. F. L. Carson. 1,953,337; Apr. 3.
- Pavements and the like, Raising sunken. J. and M. G. Flock. 1,943,914; Jan. 16.
- Pavements, filling voids, crevices, and the like, Elevating. J. W. Poulter. 1,976,857; Oct. 16.
- Pavements, System and apparatus for elevating rigid. J. W. Poulter. 1,974,123; Sept. 18.
- Paver, Automatic tandem drum. E. H. Lichtenberg. 1,946,944; Feb. 13.
- Paving and like structures, Constructing sectional. R. C. Bostwick. 1,960,369; May 29.
- Paving machine. A. C. Rasmussen. 1,973,885; Sept. 18.
- Paving material and making same. J. T. Sweeney. 1,961,678; June 5.
- Paving material and producing the same, Bituminous. J. F. Carle. 1,985,718; Dec. 25.
- Paving material, Apparatus for preparing. K. E. McConaughay. 1,945,058; Jan. 30.
- Paving material, Apparatus for producing. K. E. McConaughay. 1,959,002; May 15.
- Paving material, Apparatus for producing. K. E. McConaughay. 1,964,523; June 26.
- Paving material, Manufacture of cold mix. A. S. Hirzel. 1,975,458; Oct. 2.
- Paving material, Process and apparatus for forming. J. B. Chapline. 1,979,251; Nov. 6.
- Paving means. F. R. Higley. 1,971,856; Aug. 28.
- Pawl and ratchet mechanism. J. B. Ewart. 1,979,028; Oct. 30.
- Pay station telephone lock. W. Kaufman. 1,955,462; Apr. 17.
- Pea-shelling device. J. A. and E. V. Galley. 1,960,737; May 29.
- Pea threshing machine. F. P. Ryder. 1,960,853; May 29.

- Pea vining and threshing process and apparatus. C. H. Plummer. 1,979,078; Oct. 30.
- Peach. O. P. Blackburn. Pl. Pt. 86; Feb. 6.
- Peach pitting support and tip cutter. J. P. Bem. 1,941,875; Jan. 2.
- Peak detector. H. A. Wheeler. 1,951,685; Mar. 20.
- Peanut and popcorn machine. H. E. Pratt. 1,955,654; Apr. 17.
- Peanut flour for the manufacture of adhesives, Preparing. I. F. Laucks. 1,942,109; Jan. 2.
- Pear peeling machine. M. Reinstein. 1,973,996; Sept. 18.
- Pear treating apparatus. M. Ewald. 1,979,322; Nov. 6.
- Peat for fertilizing purposes, Preparing. R. Schubert. 1,974,877; Sept. 25.
- Peat machine. A. Doering. 1,949,146; Feb. 27.
- Pecan cracking machine. W. Gebhardt. 1,965,460; July 3.
- Pectin. W. W. Cowgill. 1,973,614; Sept. 11.
- Pectin and its manufacture. W. W. Cowgill. 1,973,613; Sept. 11.
- Pectin preparation. W. E. Baier and R. E. Harris. 1,945,963; Feb. 6.
- Pectin product and producing same. E. Jameson. Re19,197; June 5.
- Pedal and foot rest, Combined. F. D. Brandt, jr. Re19,262; Aug. 7.
- Pedal arrangement for vehicles. J. Ganz. 1,984,015; Dec. 11.
- Pedal attachment for dancing and the like. G. B. Reed. 1,984,989; Dec. 18.
- Pedal, Cycle. C. J. and O. F. Carlson. 1,972,701; Sept. 4.
- Pedal depressor, Hydraulic. A. E. Wilkoff. 1,942,368; Jan. 2.
- Pedal, Foot. A. J. Musselman. 1,974,247; Sept. 18.
- Pedal locking device. J. M. Dapron. 1,943,586; Jan. 16.
- Pedal pad. J. R. Thorp. 1,977,415; Oct. 16.
- Pedal starter and accelerator control, Single. L. W. Yonge. 1,972,037; Aug. 28.
- Pedal switch. E. G. Staudé. 1,975,182; Oct. 2.
- Pedal switch. E. G. Staudé. 1,975,521; Oct. 2.
- Pedestal and housing for hair driers or similar machines, Combined. J. E. Kelley. Des. 92,474; June 12.
- Pedestal and journal box structure, Railway. H. M. Pfleger. 1,970,977; Aug. 21.
- Pedestal base operating table. J. S. Clachko. 1,946,899; Feb. 13.
- Pedestal block trap. P. F. Harris. 1,955,496; Apr. 17.
- Pedestal, Casket. C. E. Shriver and H. T. O'Connor. 1,975,558; Oct. 2.
- Pedestal for a prie dieu, End. F. J. Liska. Des. 91,950; Apr. 10.
- Pedestal for a statuette or similar article. J. G. Davis. Des. 92,051; Apr. 17.
- Pedestal for a tumbling barrel. L. B. Green. Des. 92,343; May 29.
- Pedestal for motion picture machines, Reel and magazine supporting. A. Dina. 1,946,674; Feb. 13.
- Pedestal, Stool. K. E. Bemis. Des. 93,085; Aug. 21.
- Peeler, Fruit and vegetable. R. V. Grayson. 1,979,615; Nov. 6.
- Peeler, Fruit and vegetable. A. R. Thompson. 1,982,709; Dec. 4.
- Peening device. D. L. Drake. 1,966,663; July 17.
- Pellet mill. E. T. Meakin. 1,954,086; Apr. 10.
- Pelviometer. R. J. Pieri and J. B. De Mattia. 1,953,498; Apr. 3.
- Pen. S. R. Pruvn. 1,953,976; Apr. 10.
- Pen and pencil clip. L. H. Ashmore. 1,975,775; Oct. 9.
- Pen and pencil clip, Fountain. C. E. Marshall. Des. 92,852; July 24.
- Pen and pencil, Selective contact illuminator. J. Dianovszky. 1,947,975; Feb. 20.
- Pen attachment. M. H. Youde. 1,971,699; Aug. 28.
- Pen attachment, Fountain. W. G. Stockman. 1,957,366; May 1.
- Pen cap and section, Fountain. S. M. Sager. 1,978,724; Oct. 30.
- Pen, Desk. R. Back. Des. 93,807; Nov. 13.
- Pen feed, Fountain. W. E. Moore. 1,950,364; Mar. 6.
- Pen, filler and stand, Fountain. O. C. Samphere. 1,978,959; Oct. 30.
- Pen filler, Fountain. E. A. Rummier. 1,943,804; Jan. 16.
- Pen filling device, Fountain. I. D. Tefft. 1,980,508; Nov. 13.
- Pen filling protector, Ink bottle. C. W. MacMillan. Re19,061; Jan. 23.
- Pen flashlight with light focusing means. N. A. Mercer. 1,958,796; May 15.
- Pen, Fountain. F. D. Cromer. Des. 92,704; July 10.
- Pen, Fountain. W. Friedman. 1,949,201; Feb. 27.
- Pen, Fountain. J. E. Hayes. 1,975,944; Oct. 9.
- Pen, Fountain. J. Laforest and J. Pignon. 1,980,625; Nov. 13.
- Pen, Fountain. A. Q. McBean. 1,967,315; July 24.
- Pen, Fountain. L. J. Most. 1,968,567; July 31.
- Pen, Fountain. M. M. Neuhoff. Des. 92,362; May 29.
- Pen, Fountain. C. Pfanstiehl. 1,985,643; Dec. 25.
- Pen, Fountain. H. H. Polk, jr. Re19,167; May 15.
- Pen, Fountain. E. S. Sears. 1,954,952; Apr. 17.
- Pen, Fountain. W. A. Sheaffer. 1,983,682; Dec. 11.
- Pen, Fountain. J. Wallace. 1,943,048; Jan. 9.
- Pen, Fountain. E. K. Werner. 1,959,187; May 15.
- Pen, Fountain. L. F. Wooldridge. Des. 94,106; Dec. 18.
- Pen, Fountain. S. G. Yates and D. K. Woodcliff. 1,966,369; July 10.
- Pen, Fountain drawing. G. A. Kaerger. 1,971,525; Aug. 28.
- Pen, Four color fountain. H. Pohle. 1,977,527; Oct. 16.
- Penholder. C. E. Carlson. 1,960,695; May 29.
- Penholder. O. Foss. 1,953,706; Apr. 3.
- Pen holder. B. W. Hanle. 1,945,271; Jan. 30.
- Penholder, Air-cooled. W. J. Riddel. Des. 93,736; Oct. 30.
- Penholder for inkstands. E. J. Huott. 1,975,512; Oct. 2.
- Penholder, Fountain. L. Kutter. 1,964,125; June 26.
- Pen, Lettering, drawing, writing, and marking. L. M. Snell. 1,982,546; Nov. 27.
- Pen, Marking. H. W. Leitch. 1,951,057; Mar. 13.
- Pen or pencil clip, Fountain. F. T. Blakeman. Des. 93,444; Oct. 2.
- Pen or similar article, Fountain. S. C. Crocker. Des. 94,118; Dec. 25.
- Pen or similar article, Fountain. C. R. Sheaffer. Des. 92,212; May 8.
- Pen (piston type), Fountain. F. J. Schisler. 1,954,266; Apr. 10.
- Pen point, Feeder. O. A. Smith. 1,951,848; Mar. 20.
- Pen points, Apparatus for making. J. E. Woodward. 1,959,014; May 15.
- Pen, Reservoir. H. Okada. 1,980,350; Nov. 13.
- Pen, Reservoir. H. Weld. 1,961,807; June 5.
- Pen, Self filling fountain. J. M. Burrough. 1,943,785; Jan. 16.
- Pen, Self-filling fountain. R. B. Kingman and D. J. Mayer. 1,953,940; Apr. 10.
- Pen, Sign writing. S. Halpern. 1,964,512; June 26.
- Pen, Soluble ink fountain. R. B. Kingman. 1,947,092; Feb. 13.
- Pen, Soluble ink fountain. R. B. Kingman. 1,964,821; July 3.
- Pen, Soluble ink fountain. R. B. Kingman. 1,978,676; Oct. 30.
- Pen, Soluble ink fountain. R. B. Kingman and D. J. Mayer. 1,978,675; Oct. 30.
- Pen, Twisting filler. G. L. Bassett. 1,965,626; July 10.
- Pen unit construction. W. M. Perry and L. J. De Lanty. 1,967,900; July 24.
- Pens, Producing. L. S. Henwood. 1,969,794; Aug. 14.
- Pencil. E. R. Barany. 1,959,226; May 15.
- Pencil. J. D. Hale. Des. 92,534; June 19.
- Pencil. C. C. Harris. Des. 93,476; Oct. 9.
- Pencil. C. C. Harris. 1,975,788; Oct. 9.
- Pencil. H. Jähnsen. 1,975,723; Oct. 2.
- Pencil. E. W. Knuth. 1,969,015; Aug. 7.
- Pencil. E. Turnberger. 1,982,889; Dec. 4.
- Pencil and advertising device, Combined. F. C. Deli. Des. 92,705; July 10.
- Pencil and igniter. L. V. Aronson. 1,975,531; Oct. 2.
- Pencil and letter opener. F. C. Deli. Des. 91,976; Apr. 10.
- Pencil and pyrophoric, Combined. L. V. Aronson. Des. 92,996; Aug. 14.
- Pencil, Automatic. R. Sabon. 1,947,802; Feb. 20.
- Pencil bodies, Making. J. P. Lynn. 1,959,288; May 15.
- Pencil clip or similar article. C. K. Lovejoy. Des. 92,817; July 17.
- Pencil holder. N. Ritch. 1,979,773; Nov. 6.
- Pencil lead and making same. H. Grossman. 1,970,603; Aug. 21.
- Pencil, Mechanical. I. Chesler. 1,956,271; Apr. 24.
- Pencil, Mechanical. H. H. Lang. 1,966,207; July 10.
- Pencil, Mechanical. A. N. Lungren. 1,946,085; Feb. 6.
- Pencil, Mechanical. J. J. Robbins. Des. 93,133; Aug. 21.
- Pencil, Mechanical. A. H. Stenersen. 1,967,484; July 24.
- Pencil, Multicolor. K. Kimura. 1,981,917; Nov. 27.
- Pencil, Selective mechanical. L. L. Hertz. 1,964,154; June 26.
- Pencil sharpening device. M. H. Steinke. 1,965,610; July 10.
- Pencil, Striping. G. A. Primrose. 1,944,368; Jan. 23.
- Pencil, Trick. S. A. Graves. 1,982,734; Dec. 4.
- Pendant or the like. A. Blume. Des. 92,228; May 15.
- Pendulum abduction frame. J. R. Siebrandt. 1,964,930; July 3.
- Pendulum, Gyroscopic. J. M. Boykow. 1,973,042; Sept. 11.
- Percentage tally. C. P. Van Schaack. 1,966,695; July 17.
- Perch, Bird cage. R. S. Oliver. 1,956,652; May 1.
- Perch for bird cages. E. W. Little. 1,951,550; Mar. 20.
- Percolating unit. L. Barrett. Des. 91,797; Mar. 27.
- Percolating unit. L. Barrett. 1,963,012; June 12.
- Percolator. F. H. Anderson and R. W. Miller. 1,963,950; June 26.
- Percolator. S. Battilani. 1,978,561; Oct. 30.
- Percolator. P. C. Rothermel. 1,980,931; Nov. 13.
- Percolator, Automatic coffee. R. C. Sawyer. 1,976,196; Oct. 9.
- Percolator, Coffee. F. S. Armstrong. 1,960,076; May 22.
- Percolator, Coffee. W. T. Christman. Des. 91,265; Jan. 2.
- Percolator, Coffee. M. G. Hubbard. 1,974,676; Sept. 25.
- Percolator heater. A. F. Larsen. 1,944,438; Jan. 23.
- Percussion detonating composition. A. Blanc. 1,975,679; Oct. 2.
- Percussion tool. E. W. Roberts. 1,969,153; Aug. 7.
- Percussive hand tool. J. J. Rawlings. 1,944,572; Jan. 23.
- Percussive tool. W. A. Smith, jr. 1,982,701; Dec. 4.
- Percussive tool valve. W. A. Smith, jr. and H. J. Schorle. 1,982,700; Dec. 4.
- Percussive tools, Rotation mechanism for. C. C. Hansen. 1,969,368; Aug. 7.
- Perforating and forming apparatus. A. Mutschler. 1,950,688; Mar. 13.

- Perforating and staining mechanism. H. Cohen. 1,976,387; Oct. 9.
- Perforating attachment for printing presses. S. Meckler. 1,941,848; Jan. 2.
- Perforating device. C. G. Deubel. 1,942,539; Jan. 9.
- Perforating device for checks, drafts, and the like. J. Moll. 1,953,121; Apr. 3.
- Perforating die. C. S. Knight. 1,942,145; Jan. 2.
- Perforating machine. J. T. Dalton. 1,967,202; July 17.
- Perforating machine. H. P. Holbrook. 1,960,009; May 22.
- Perforating machine. F. B. Keall. 1,943,441; Jan. 16.
- Perforating machine. J. P. Martin. 1,950,504; Mar. 13.
- Perforating machine. H. T. Nicholas. 1,946,874; Feb. 13.
- Perforating machine. E. G. Rix. 1,982,453; Nov. 27.
- Perforating machine. H. R. Stanbon. 1,959,602; May 22.
- Perforating machine for records. M. Maul. 1,976,352; Oct. 9.
- Perforating roller. F. J. Chandler. 1,958,694; May 15.
- Performance gauging means for prime movers. J. C. Groff. 1,982,659; Dec. 4.
- Perfume diffuser. L. M. Blaise. 1,944,821; Jan. 23.
- Perfume dispenser. A. Testa. 1,977,414; Oct. 16.
- Perfume dispenser or similar article. F. A. Vuilleminot. Des. 94,176; Dec. 25.
- Perfume sample. C. D. Kip, jr. 1,981,032; Nov. 20.
- Perfuming device. J. Bonardi. 1,983,691; Dec. 11.
- Periscope head. A. Steinle. 1,951,849; Mar. 20.
- Periscope. Scale load indicating. L. W. Fuller. 1,947,155; Feb. 13.
- Permanent mold. H. W. Biringer. 1,981,580; Nov. 20.
- Permanent mold. D. W. Haber. 1,984,186; Dec. 11.
- Permanent waving. H. N. Durham. 1,958,944; May 15.
- Permanent waving. C. G. Gross. 1,980,680; Nov. 13.
- Permanent waving method. D. Lakenbach. 1,957,047; May 1.
- Permanent waving rod. W. Katz. 1,954,736; Apr. 10.
- Permutation lock. G. Bolognini. 1,970,541; Aug. 21.
- Permutation lock. R. A. Cruse. 1,966,334; July 10.
- Permutation lock. A. J. Denerich. 1,964,936; July 3.
- Permutation lock. M. Zulli. 1,981,408; Nov. 20.
- Permutation switch. T. E. Young. 1,957,877; May 8.
- Peroxide solutions. Stabilization of. J. S. Reichert. 1,958,204; May 3.
- Perpetual date indicator. K. Kluge and W. Berthold. Re19,186; May 29.
- Perspective drawing machine. T. M. Edison. 1,964,198; June 26.
- Perylene derivatives and preparing same. Ketonic. C. Shaw and R. F. Thomson. 1,970,710; Aug. 21.
- Perylene. Manufacturing. F. Kuhrmann. 1,977,768; Oct. 23.
- Pessary. E. C. Haas. 1,982,001; Nov. 27.
- Pessary. R. M. Hay. 1,949,863; Mar. 6.
- Petroleum crude oil. Refining. M. C. McDonald. 1,958,310; May 8.
- Petroleum distillates. Manufacture of low boiling. A. M. McAfee. 1,976,507; Oct. 9.
- Petroleum emulsions. Breaking. M. De Groote. 1,943,815; Jan. 16.
- Petroleum emulsions. Breaking. M. De Groote. 1,985,720; Dec. 25.
- Petroleum emulsions. Breaking. M. De Groote, W. C. Adams, and B. Keiser. 1,976,602; Oct. 9.
- Petroleum emulsions. Breaking. M. De Groote and B. Keiser. 1,954,585; Apr. 10.
- Petroleum emulsions. Breaking. M. de Groote and B. Keiser. 1,984,633; Dec. 18.
- Petroleum emulsions. Breaking. M. De Groote, B. Keiser, and A. F. Wirtel. 1,975,839; Oct. 9.
- Petroleum emulsions. Breaking. M. De Groote and C. H. M. Roberts. 1,977,048; Oct. 16.
- Petroleum emulsions. Breaking. M. De Groote and A. F. Wirtel. 1,961,963; June 5.
- Petroleum emulsions. Breaking. C. H. M. Roberts. 1,977,089; Oct. 16.
- Petroleum emulsions. Breaking. C. H. M. Roberts. 1,977,146; Oct. 16.
- Petroleum emulsions. Breaking. C. H. M. Roberts. 1,978,227; Oct. 23.
- Petroleum emulsions. Breaking. C. H. M. Roberts. 1,979,347; Nov. 6.
- Petroleum emulsions. Breaking. C. H. M. Roberts. 1,985,692; Dec. 25.
- Petroleum emulsions. Treating. A. M. Herbsman. 1,963,406; June 19.
- Petroleum hydrocarbons. Converting. A. G. Davis. 1,947,001; Feb. 13.
- Petroleum hydrocarbons. Converting. H. E. Widdell. 1,971,244; Aug. 21.
- Petroleum hydrocarbons. Process and apparatus for the conversion of. W. M. Cross. 1,948,492; Feb. 27.
- Petroleum oil. Dewaxing. H. Svanoe. 1,981,758; Nov. 20.
- Petroleum oil distillates. Refining. J. D. Fields. 1,983,220; Dec. 4.
- Petroleum oil. Neutralizing a. J. Robinson. 1,984,432; Dec. 18.
- Petroleum oil. Process and apparatus for converting. J. G. Alther. 1,979,521; Nov. 6.
- Petroleum oil. Refining. W. L. Savell. 1,945,121; Jan. 30.
- Petroleum oil. Refining of. J. C. Morrell. 1,954,886; Apr. 17.
- Petroleum oils and products thereof. Sulphonation of. H. Limburg. 1,958,630; May 15.
- Petroleum oils. Treating. W. N. Davis and W. H. Hampton. 1,977,717; Oct. 23.
- Petroleum phenols. Desulphurizing recovered. J. C. D. Oosterhout. 1,982,120; Nov. 27.
- Petroleum. Process and apparatus for the catalytic treatment of. U. B. Bray, R. C. Pollack, and D. R. Merrill. 1,981,305; Nov. 20.
- Petroleum product and producing same and decolorizing agent therefor. Decolorized refined. J. B. Rather, O. M. Reiff, and L. C. Beard, jr. 1,951,205; Mar. 13.
- Petroleum product and treating same. Distillate. J. B. Rather, O. M. Reiff, and L. C. Beard, jr. 1,951,206-7; Mar. 13.
- Petroleum product and treating the same. Distillate. J. B. Rather, L. C. Beard, jr., and O. M. Reiff. 1,951,208; Mar. 13.
- Petroleum product and treating the same. Distillate. J. B. Rather, L. C. Beard, jr., and O. M. Reiff. 1,959,315-17; May 15.
- Petroleum products. Refining. E. C. Higgins, jr. 1,977,631; Oct. 23.
- Petroleum products. Sweetening. H. H. Cannon. 1,979,448; Nov. 6.
- Petroleum. Refining. S. Tijmstra. 1,969,956; Aug. 14.
- Petroleum refining apparatus. E. A. Dickinson. 1,979,734; Nov. 6.
- Petroleum residues or the like. Coking heavy. C. W. Andrews and B. D. Rogers. 1,944,872; Jan. 30.
- Petroleum sludges. Treating. K. S. Ramayya. 1,956,592; May 1.
- Petroleum sulphonates. Making water soluble. L. Liberthson. 1,947,861; Feb. 20.
- Petroleum sulphonates. Purification of. H. E. Buc. 1,981,799; Nov. 20.
- Petroleum. Treatment and dewaxing of. R. J. Garofalo and C. E. Swift. 1,948,346; Feb. 20.
- Petroleum vapors. Apparatus for filtering. M. P. Youker. 1,945,249; Jan. 30.
- Petroleum wax. Stabilized. E. W. Fuller and B. W. Story. 1,963,489; June 19.
- Petroleum wick burner. K. Humpoletz. 1,957,014; May 1.
- Petroleum or the like and bituminous coals or the like. Simultaneous treatment of crude. F. S. Woidich. 1,955,041; Apr. 17.
- Pharmaceutical preparation. R. S. Bley. 1,943,467; Jan. 16.
- Pharmaceutical preparation. P. A. Houseman. 1,976,668; Oct. 9.
- Pharmacist's slab. J. W. Johnson. 1,952,875; Mar. 27.
- Phase control system. H. M. Lewis. 1,964,522; June 26.
- Phase modulated wave. Producing a. R. K. Potter. 1,968,169; July 31.
- Phase shifting device. W. A. Marrison. 1,942,483; Jan. 9.
- Phenolalcohols. Cold resinification of. F. S. Granger. 1,956,530; Apr. 24.
- Phenol aldehyde condensation products and air drying oils. Combining hardenable. F. Seebach. 1,985,264; Dec. 25.
- Phenol aldehyde condensation products. Producing oil soluble. F. Seebach. 1,944,016; Jan. 16.
- Phenol, cresols, and benzol-hydrocarbons from crude tar phenols. Production of pure. F. Hofmann and K. Lang. 1,947,648; Feb. 20.
- Phenol derivative and preparing same. F. E. Stockelbach. 1,982,180; Nov. 27.
- Phenol derivatives. Preparation of nondyeing metaliferous sulphurized. V. Kartaschoff and O. Knecht. 1,943,179; Jan. 9.
- Phenol ethers and preparing them. G. Kraenzlein and A. Voss. 1,948,667; Feb. 27.
- Phenol-furfural condensation products. Preparing. F. Kurath. 1,969,890; Aug. 14.
- Phenol resin and making the same. H. L. Bender. 1,955,781; Apr. 24.
- Phenolic compound of color bases. R. B. Payne. 1,953,309; Apr. 3.
- Phenolic condensation product and making the same. E. E. Novotny. 1,984,423; Dec. 18.
- Phenols. Extraction of. J. G. Peake. 1,945,376; Jan. 30.
- Phenols from ammonia liquors. Removal of. H. B. Cobb. 1,943,653; Jan. 16.
- Phenols from gas liquors. Recovery of. W. B. Wingert. 1,963,516; June 19.
- Phenols from halogenated hydrocarbons. Manufacture of. F. A. Steingrover and R. Zellmann. 1,961,834; June 5.
- Phenols from hydrocarbons containing the same. Removal of. H. Roos and E. Schwamberger. 1,955,023; Apr. 17.
- Phenols from phenol-carrying distillation gas and the like. Recovering. W. Prah. 1,961,165; June 5.
- Phenols. Manufacture of. W. Prah and W. Mathes. 1,964,768; July 3.
- Phenols. Nondyeing sulphurized. F. B. Downing, R. G. Clarkson, and C. W. Hannum. 1,985,602; Dec. 25.
- Phenols. Preparing phenyl. E. C. Britton. 1,959,283; May 15.
- Phenols. Producing alkylated. H. E. Buc. 1,954,985; Apr. 17.
- Phenoplastic and preparing same. C. F. Prutton. 1,950,516; Mar. 13.
- Phenylalcalamines. Making optically active. H. Legerlotz. 1,965,502; July 3.
- Phial or filler. Ink. T. Kovacs. 1,959,959; May 22.
- Phonograph. J. W. Bishop. 1,955,939; Apr. 24.
- Phonograph. P. J. Bussoz. 1,968,245; July 31.

- Phonograph. W. F. Feyrer. 1,966,656; July 17.
 Phonograph. B. S. Franklin. 1,979,067; Oct. 30.
 Phonograph. H. F. M. Gramann. 1,979,829; Nov. 6.
 Phonograph. L. J. Grubman. 1,970,452; Aug. 14.
 Phonograph. L. J. Grubman. 1,979,068; Oct. 30.
 Phonograph. M. J. Johnson. 1,966,655; July 17.
 Phonograph. L. L. Jones. 1,954,246; Apr. 10.
 Phonograph. L. L. Jones. 1,983,087; Dec. 4.
 Phonograph. L. L. Jones and T. E. Piazze. 1,954,247; Apr. 10.
 Phonograph. E. W. Kellogg. 1,969,755; Aug. 14.
 Phonograph. J. M. Lucarelle and J. E. Renholdt. 1,955,645; Apr. 17.
 Phonograph. J. M. Lucarelle and J. E. Renholdt. 1,983,039; Dec. 4.
 Phonograph. M. Nystrom. 1,942,613; Jan. 9.
 Phonograph. M. Nystrom. 1,982,174; Nov. 27.
 Phonograph. J. O. Prescott. 1,951,668; Mar. 20.
 Phonograph. L. C. Stowell. 1,966,654; July 17.
 Phonograph and picture projector. Combination. W. W. Wood and F. W. Lutz. 1,964,446; June 26.
 Phonograph, Automatic. E. E. Collison. 1,955,534; Apr. 17.
 Phonograph, Automatic. E. E. Collison and E. Degenhart. 1,962,858; June 12.
 Phonograph, Automatic. A. Dahlstrom. 1,970,417; Aug. 14.
 Phonograph, Automatic. J. Gabel. 1,954,871; Apr. 17.
 Phonograph, Automatic. B. E. Mills. 1,968,498; July 31.
 Phonograph, Automatic. T. W. Small and S. A. Guest. 1,966,692; July 17.
 Phonograph cabinet or similar article. L. S. Briggs. Des. 92,941; Aug. 7.
 Phonograph, Electric. W. H. Grinditch. 1,975,745; Oct. 2.
 Phonograph hood and supporting base therefor, Combined. L. S. Briggs. Des. 91,478; Feb. 13.
 Phonograph mechanism, Automatic. C. Horn. 1,981,175; Nov. 20.
 Phonograph, Miniature. L. J. Grubman. 1,983,078; Dec. 4.
 Phonograph needle. W. D. Wenger. 1,980,511; Nov. 13.
 Phonograph pick-up mechanism. W. H. Hutter. 1,968,149; July 31.
 Phonograph record. E. Black. 1,952,054; Mar. 27.
 Phonograph record. J. E. Symonds. 1,946,596; Feb. 13.
 Phonograph record and manufacture. J. E. Symonds. 1,946,597; Feb. 13.
 Phonograph record and playing same. M. Loughridge. 1,969,895; Aug. 14.
 Phonograph record changing means and method, Automatic. H. G. Saal. 1,958,801; May 15.
 Phonograph record transfer mechanism. P. F. Wilber. 1,964,336; June 26.
 Phonograph recording machine. E. W. Gent. 1,958,616; May 15.
 Phonograph recording machine. R. F. Mallina. 1,945,558; Feb. 6.
 Phonograph recording system, Superaudible. J. Weinberger. 1,957,511; May 8.
 Phonograph records, Apparatus for metallic coating. A. G. Russell. 1,954,950; Apr. 17.
 Phonograph records, Metal-coating. H. C. Harrison. 1,954,995; Apr. 17.
 Phonograph reproducer. H. C. Harrison. 1,960,007; May 22.
 Phonograph reproducer. L. A. Morrison. 1,947,164; Feb. 13.
 Phonograph reproducer, Electric. A. A. Thomas. 1,958,386; May 8.
 Phonograph reproducer with supraaudible frequency. J. Weinberger. 1,957,512; May 8.
 Phonograph stop mechanism, Automatic. W. T. Powell. 1,949,547; Mar. 6.
 Phonographic apparatus. G. L. Dimmick. 1,971,442; Aug. 28.
 Phonographic apparatus. L. T. Sachtleben. 1,983,310; Dec. 4.
 Phonographic apparatus and phonographic record. A. Bosco. 1,952,359; Mar. 27.
 Phonographic control device. S. G. Langley and G. F. Braun. 1,954,011; Apr. 10.
 Phonographic invention. F. Crudo. 1,957,158; May 1.
 Phonographs. Vibration damping system for. R. F. Mallina. 1,976,505; Oct. 9.
 Phosphate compounds, Producing water-soluble. E. Roubke. 1,945,914; Feb. 6.
 Phosphate, Concentration of. J. T. Singleton. 1,958,320; May 8.
 Phosphates and hydrogen, Production of. W. N. Ipatiew, N. Caro, and A. R. Frank. 1,961,691; June 5.
 Phosphates from minerals, Recovery of. A. J. Mason. 1,973,439; Sept. 11.
 Phosphates in solid state, Producing soluble. F. G. Liljenroth. 1,969,894; Aug. 14.
 Phosphates, Manufacture of triaryl. H. Adler and H. E. Gottlieb. 1,983,588; Dec. 11.
 Phosphates, Purifying. G. E. Walker, A. E. Marshall and H. E. Dunn. 1,944,048; Jan. 16.
 Phosphates, Treating. L. B. Skinner. 1,959,086; May 15.
 Phosphates, Treatment of crude. A. Foss. 1,983,024; Dec. 4.
 Phosphatic material. E. L. Larison. 1,972,196; Sept. 4.
 Phosphorus from dilute gases, Recovery of. F. P. Kerschbaum, W. H. Waggaman and S. D. Gooch. 1,951,984; Mar. 20.
 Phosphorus, Production of pure. A. H. Fiske and C. S. Bryan. 1,984,674; Dec. 18.
 Photoacoustic cinematographic apparatus. E. W. Reynolds. 1,977,354; Oct. 16.
 Photocell compensating system. G. B. Scheibell. Re19,245; July 17.
 Photochemical oxidation of organic and inorganic compounds. I. Kreidl. 1,971,042; Aug. 21.
 Photochemical oxidation of organic and inorganic compounds. F. Nozicka. 1,945,067; Jan. 30.
 Photochemical production of forms or patterns for planographic printing. H. Weil. 1,948,604; Feb. 27.
 Photoelectric apparatus. P. T. Farnsworth. 1,970,036; Aug. 14.
 Photo-electric cell. A. A. Thomas. 1,984,777; Dec. 18.
 Photo-electric cell. A. L. Williams. 1,959,073; May 15.
 Photo-electric cell output control. V. A. Schoenberg. 1,954,329; Apr. 10.
 Photo-electric cell system. A. Eulenhöfer. 1,972,221; Sept. 4.
 Photo-electric control of glass feeders. E. O. Hiller. 1,941,896; Jan. 2.
 Photoelectric device. H. C. Rentschler. 1,955,608; Apr. 17.
 Photo-electric measuring apparatus. W. G. Exton. 1,954,925; Apr. 17.
 Photo-electric relay. W. D. Cockrell. 1,957,247; May 1.
 Photoelectric system. H. C. Rentschler. 1,957,729; May 8.
 Photo-electric system for recording and reproducing sound. J. H. Hammond, Jr. 1,967,882; July 24.
 Photoelectric tube. J. H. de Boer and M. C. Teves. 1,962,895; June 12.
 Photoelectric tube. J. H. de Boer and M. C. Teves. 1,966,236; July 10.
 Photo-electric tube. H. H. Geffcken and H. R. Richter. 1,942,165; Jan. 2.
 Photo-electric tube. J. Gettinger. 1,942,545; Jan. 9.
 Photo-electric tube. T. H. Nakken. 1,943,984; Jan. 16.
 Photo-electric tube. M. Pressler. 1,956,590; May 1.
 Photo-electric tube. H. C. Rentschler and D. E. Henry. 1,963,219; July 10.
 Photo-electric tube. S. Wein. 1,950,955; Mar. 13.
 Photo-electric tube, Producing a. H. C. Rentschler and D. E. Henry. 1,966,220; July 10.
 Photoelectric-vector-analyzer. A. M. Nicolson. 1,962,208; June 12.
 Photoflash device. J. Ostermeier. 1,983,394; Dec. 4.
 Photogelatin printing. J. A. Fleischmann and W. W. and F. O. Sullivan. 1,944,123; Jan. 16.
 Photoglow tube. D. D. Knowles. 1,955,335; Apr. 17.
 Photograph and producing same, Color. C. W. Bauer and H. Kohlbacher. 1,972,972; Sept. 11.
 Photograph and taking it. P. Shannon and J. W. Royer. 1,973,665; Sept. 11.
 Photograph stand. R. H. Becks. Des. 93,000; Aug. 14.
 Photographic apparatus. J. C. Arnold. 1,943,360; Jan. 16.
 Photographic apparatus. W. D. Foster. 1,943,303; Jan. 16.
 Photographic apparatus. W. D. Foster and E. L. Parmelee. 1,944,024; Jan. 16.
 Photographic apparatus. B. McCandless. 1,960,254; May 29.
 Photographic apparatus. L. Misonne. 1,979,397; Nov. 6.
 Photographic apparatus. B. A. Proctor. 1,944,033; Jan. 16.
 Photographic apparatus. W. Salchow. 1,941,624; Jan. 2.
 Photographic apparatus, Control for a. C. J. Hughey. 1,966,348; July 10.
 Photographic attachment for firearms. H. C. Hindley and O. W. Atkin. 1,960,998; May 29.
 Photographic bath. F. A. Elliott. Re19,354; Oct. 30.
 Photographic color process. J. G. Capstaff. 1,954,346; Apr. 10.
 Photographic color process. L. D. Mannes and L. Godowsky, Jr. 1,969,469; Aug. 7.
 Photographic contrasts by means of diazonium compounds, Obtaining. R. J. H. Alink and J. H. de Boer. 1,973,788; Sept. 18.
 Photographic copying apparatus. C. Bornmann. 1,955,170; Apr. 17.
 Photographic copying attachment. D. P. Shull. 1,973,542; Sept. 11.
 Photographic dark slide device. J. Kronschnabl. 1,944,561; Jan. 23.
 Photographic developer. F. J. Hepner. 1,949,911; Mar. 6.
 Photographic developer. H. D. Russell. 1,976,299; Oct. 9.
 Photographic developer and developing. H. L. Trumbull. 1,969,243; Aug. 7.
 Photographic developing apparatus. E. M. Leahey. 1,969,893; Aug. 14.
 Photographic developing apparatus. A. W. Smith. 1,985,554; Dec. 25.
 Photographic developing solutions. J. I. Crabtree. 1,973,466; Sept. 11.
 Photographic elements, Processing. H. D. Russell. 1,984,086; Dec. 11.
 Photographic emulsion containing neothiazolocarbocyanines. L. G. S. Brooker. 1,969,445; Aug. 7.
 Photographic emulsion containing pseudo-cyanine dyes. L. G. S. Brooker. 1,969,446; Aug. 7.
 Photographic emulsions containing oxazocyanides. L. G. S. Brooker. 1,969,448; Aug. 7.
 Photographic equipment. G. F. Hogan. 1,945,112; Jan. 30.

- Photographic finder. H. R. Howser, jr. 1,979,159; Oct. 30.
- Photographic gelatin layer. J. Brunken. 1,941,852, Jan. 2.
- Photographic image and producing same. Color. H. D. Murray and D. A. Spencer. 1,968,956; Aug. 7.
- Photographic images. Controlled reduction of. A. Murray. 1,950,903; Mar. 13.
- Photographic images in dyed silver iodide. Making. J. G. Capstaff and M. W. Seymour. 1,966,332; July 10.
- Photographic layers. Superimposed colored. G. Heymer. 1,954,294; Apr. 10.
- Photographic material. A. von Biehler. 1,974,524; Sept. 25.
- Photographic material and making the same. M. Hagedorn and G. von Kujawa. 1,981,102; Nov. 20.
- Photographic material for making colored prints. M. W. Seymour. 1,984,090; Dec. 11.
- Photographic mechanism, and film magazine used therewith. W. H. Petit and E. S. Hineline. 1,966,261; July 10.
- Photographic mounts. Apparatus for coloring. P. J. Stuparich. 1,968,327; July 31.
- Photographic objective. I. Kitroser and A. Averan. 1,941,696; Jan. 2.
- Photographic objective. H. S. Newcomer. Re19,056; Jan. 23.
- Photographic objective. D. L. Wood. 1,954,340; Apr. 10.
- Photographic printing. A. G. Denis. 1,973,468; Sept. 11.
- Photographic printing apparatus. R. N. Carter. 1,946,612; Feb. 13.
- Photographic printing apparatus. A. G. Denis. 1,973,470; Sept. 11.
- Photographic printing apparatus. R. S. Hopkins. 1,946,621; Feb. 13.
- Photographic printing apparatus. W. C. Huebner. 1,984,217; Dec. 11.
- Photographic printing apparatus. J. W. McFarlane. 1,966,303; July 10.
- Photographic printing apparatus. C. F. Smith. 1,973,512; Sept. 11.
- Photographic printing apparatus. R. Thun. 1,964,834; July 3.
- Photographic printing apparatus. D. A. Young, E. O. Wangerin, and R. S. Hopkins. 1,976,318; Oct. 9.
- Photographic printing machine. C. L. Gregory. 1,960,811; May 29.
- Photographic printing machine. W. L. Post. 1,947,795; Feb. 20.
- Photographic printing. Method and apparatus for. C. M. Tuttle. 1,966,322; July 10.
- Photographic printing plate. Making a. E. Bassist. 1,957,433; May 8.
- Photographic printing. System of. G. A. Hatherell, T. M. Ingram, and F. E. Garbutt. 1,947,848; Feb. 20.
- Photographic prints. Apparatus for the dry development of. F. C. Fuke. 1,953,160; Apr. 3.
- Photographic prints. Apparatus for use in developing. A. W. Richardson. 1,962,364; June 12.
- Photographic prints on double-coated film. Making two-color subtractive. R. L. Burwell, jr. 1,966,330; July 10.
- Photographic process. W. L. Dawson. 1,958,612; May 15.
- Photographic process. C. F. Gillette. 1,982,210; Nov. 27.
- Photographic process. Composite. C. F. Gillette. 1,982,211; Nov. 27.
- Photographic processing. Apparatus for. K. C. D. Hickman. 1,962,306; June 12.
- Photographic reconstruction apparatus. H. Duchatellier. 1,955,116; Apr. 17.
- Photographic recording apparatus. R. S. Hopkins and C. J. Hughey. 1,957,889; May 8.
- Photographic reproduction apparatus. L. S. Watres. 1,956,887; May 1.
- Photographic reproductions and cinematographic films. Producing multicolor. B. Gáspár. 1,956,122; Apr. 24.
- Photographic reproductions in color. Producing. L. G. Nicoll. 1,972,311; Sept. 4.
- Photographic reversal development. E. Schloemann. 1,970,869; Aug. 21.
- Photographic reversal process. E. E. Jelley. 1,962,348; June 12.
- Photographic reversal process and bleach bath for use therein. K. C. D. Hickman. 1,984,133; Dec. 11.
- Photographic roll-film. E. Schnitzler. 1,969,858; Aug. 14.
- Photographic roll-film cartridge. H. Mediger. 1,972,424; Sept. 4.
- Photographic strip material. Apparatus for handling. C. M. Tuttle and W. C. Henry. 1,957,863; May 8.
- Photographic surveying apparatus. V. Sintich. 1,980,556; Nov. 13.
- Photographically sensitive element. K. C. D. Hickman and L. A. Staib, jr. 1,962,307; June 12.
- Photographically sensitive element. M. Martinez. 1,944,293; Jan. 23.
- Photographing a large surface with short focus lenses. W. H. Petit and E. S. Hineline. 1,977,453; Oct. 16.
- Photographing burglars or other intruders. G. W. Brown. 1,944,212; Jan. 23.
- Photographing copy. Apparatus for. W. Salchow. 1,972,574; Sept. 4.
- Photographing moving objects. Method of and apparatus for. C. F. Mendez. 1,973,822; Sept. 18.
- Photographs and cinematographic films in natural colors. Producing. F. Lierg. 1,958,830; May 15.
- Photographs and cinematograph pictures. Producing multicolor. B. Gáspár. 1,955,344; Dec. 25.
- Photographs in natural colors. Apparatus for printing. C. W. Bauer. 1,972,973; Sept. 11.
- Photographs in series. Device for taking. S. Kucharski. 1,946,323; Feb. 6.
- Photographs. Indirectly producing color. B. Gáspár. 1,956,017; Apr. 24.
- Photographs. Making color. L. D. Mannes and L. Godowsky, jr. 1,954,452; Apr. 10.
- Photographs. Method of and system for taking X-ray. H. Franke. 1,978,745; Oct. 30.
- Photographs. Process and apparatus for copying. H. Schambach and F. H. Müller. 1,984,898; Dec. 18.
- Photographs. Production of distorted. G. W. Ford. 1,943,172; Jan. 9.
- Photographs. Standardizing Röntgen ray. M. Michel. 1,953,249; Apr. 3.
- Photography. J. A. Gibbons. 1,980,795; Nov. 13.
- Photography. C. L. Gregory. 1,949,714; Mar. 6.
- Photography. A. Herz. 1,974,653; Sept. 25.
- Photography. H. E. Ives. 1,970,936; Aug. 21.
- Photography. H. E. Ives. 1,985,730; Dec. 25.
- Photography and cinematography. Color. A. Froehlich. 1,963,197; June 15.
- Photography and in method therefor. Color. J. E. Thornton. 1,976,152; Oct. 9.
- Photography. Cinematographic. P. Butez and P. Contant. 1,957,420; May 1.
- Photography. Color. W. Chapman. 1,955,715; Apr. 17.
- Photography. Color. D. F. Comstock. 1,956,274; Apr. 24.
- Photography. Color. L. D. Mannes and L. Godowsky, jr. 1,980,941; Nov. 13.
- Photography. Color. A. von Biehler. 1,984,504; Dec. 18.
- Photography. Color. E. A. Weaver. 1,968,112; July 31.
- Photography in natural colors. H. E. Ives. 1,985,731; Dec. 25.
- Photography. Three-color. G. Heymer. 1,968,944; Aug. 7.
- Photography with key print. Color. J. A. Ball. 1,978,979; Oct. 30.
- Photogravure process and metal plate therefor. N. Ludvigsen. 1,944,354; Jan. 23.
- Photo-mechanical machine. H. C. Jones. 1,978,462; Oct. 30.
- Photomechanical printing machine. H. C. Jones. 1,959,789; May 22.
- Photo-mechanical resist. A. Murray. 1,957,900; May 8.
- Photomechanical resist. A. Murray. 1,965,710; July 10.
- Photometer and operating same. F. Reiss. 1,958,679; May 15.
- Photometer for determining the time of exposure for photographic picture taking. M. Helfenstein. 1,974,492; Sept. 25.
- Photometer. Polarization. E. O. Hulburt. 1,976,728; Oct. 16.
- Photometer. Polarization. H. Sauer. 1,959,549; May 22.
- Photo-oscillator-modulator system. A. M. Nicolson. 1,985,683; Dec. 25.
- Photophonographic apparatus. A. Shoup. 1,974,900; Sept. 25.
- Photoplate. Natural color. M. O. Miller. 1,965,852; July 10.
- Photoprinting machine. H. C. Jones. 1,962,741; June 12.
- Photosensitive apparatus. S. M. Kintner and P. Thomas. 1,958,893; May 15.
- Photosensitive control apparatus. J. F. Kovalsky. 1,962,353; June 12.
- Photosensitive device. C. A. Styer. 1,955,315; Apr. 17.
- Photosensitive elements. Apparatus for developing and fixing. G. C. Kalbfleisch and A. F. Keller. 1,958,791; May 15.
- Photo television. System of multiple. A. M. Denham. 1,984,466; Dec. 18.
- Photothermographic composition. S. E. Sheppard and W. Vanselow. 1,976,302; Oct. 9.
- Phototube. B. Salzberg. 1,980,702; Nov. 13.
- Phototube. E. D. Wilson. 1,963,185; June 19.
- Phototube. E. D. Wilson. 1,985,006; Dec. 18.
- Photo tube control of grid-glow tubes. L. R. Quarles. 1,984,987; Dec. 18.
- Phthalic anhydride. Production of. J. Brode and A. Johansen. 1,959,898; May 22.
- Phthalic anhydride. Purification of. A. O. Jaeger. 1,953,937; Apr. 10.
- Phthalimide. Manufacture of. A. O. Jaeger and L. C. Daniels. 1,966,068; July 10.
- Phthaloyl-phenanthridones. Manufacture of. R. M. Heidreich and P. Tust. 1,957,593; May 8.
- Physical conditions. Method of and apparatus for regulating or governing. G. Winsch. Re19,276; Aug. 14.
- Piano. C. F. Stein. 1,953,544; Apr. 3.
- Piano construction. B. K. Settergren. 1,985,746; Dec. 25.
- Piano construction. T. E. Steinway. 1,965,360; July 3.
- Piano. Miniature upright. G. W. Lundholm. 1,968,695; July 31.
- Piano scale. P. H. Bilhuber. 1,972,511; Sept. 4.
- Pianoforte keyboard. D. Barnett. 1,958,227; May 8.
- Piccolo. N. I. Hall. 1,983,288; Dec. 4.
- Pick. Ice. D. R. Hughes. Des. 92,176; May 8.
- Picker stick mechanism. A. B. Shelton. 1,951,562; Mar. 20.
- Picker stick motion transmitting device. J. B. James. 1,965,343; July 3.
- Picking machine. Continuous process. E. Mills. 1,965,150; July 3.

- Picking mechanism for looms for weaving. W. Bell and H. M. Van Alstyne. 1,966,704; July 17.
- Pickling. P. F. Bruins. 1,962,295; June 12.
- Pickling device employing vibration. E. N. Millan and E. B. Hudson. 1,944,607; Jan. 23.
- Pickling solution. G. C. Kiefer. 1,974,570; Sept. 25.
- Picture album of the changeable type. J. Shmigell. 1,962,039; June 5.
- Picture and music synchronizing device. Motion. E. E. Pettingell. 1,965,906; July 10.
- Picture. Animated motion. N. H. Mann. 1,971,722; Aug. 28.
- Picture apparatus and particularly an improved film feeding device. Motion. K. Morsbach, O. Steiner, and E. Lölkes. 1,955,557; Apr. 17.
- Picture apparatus. Automatic reversing mechanism for motion. O. Witel. 1,942,231; Jan. 2.
- Picture apparatus. Easily threaded motion. E. C. Fritts. 1,973,477; Sept. 11.
- Picture apparatus. Making automatic "change over" in moving. A. Pritchard. 1,972,904; Sept. 11.
- Picture apparatus. Motion. F. L. Brown. 1,965,366; July 3.
- Picture apparatus. Motion. E. A. Heckler. 1,949,909; Mar. 6.
- Picture apparatus. Motion. W. Kaden and F. Stiefenhofer. 1,982,739; Dec. 4.
- Picture apparatus. Motion. F. J. Loomis. 1,971,454; Aug. 28.
- Picture apparatus. Motion. N. A. Nicholson. 1,946,875; Feb. 13.
- Picture apparatus. Motion. R. Thun. 1,956,736; May 1.
- Picture apparatus. Moving. M. Bowman-Manifold and W. F. Tedham. 1,963,485; June 19.
- Picture apparatus. Sound. H. M. Stoller. 1,968,429; July 31.
- Picture apparatus. Talking motion. V. C. de Ybarrondo. 1,973,400; Sept. 11.
- Picture. Art. B. C. Twichell. 1,941,518; Jan. 2.
- Picture bearing device. Animated. V. Smith. 1,960,397; May 29.
- Picture cabinet enlarging device. Moving. J. J. Bright and D. P. Lee. 1,954,787; Apr. 17.
- Picture case. A. Bachman. Des. 93,532; Oct. 9.
- Picture. Composite. F. W. Jackman. 1,945,193; Jan. 30.
- Picture controlling apparatus. Motion. C. Doino. 1,957,202; May 1.
- Picture display and compact case. Combined. M. M. Forman. Des. 93,386; Sept. 25.
- Picture display device. R. Jelinek. 1,964,879; July 3.
- Picture frame. J. Manoil. 1,946,705; Feb. 13.
- Picture frame. E. Olszewski. Des. 92,267; May 15.
- Picture frame and convex glass. Combined. H. A. Tidemann. Des. 91,640; Feb. 27.
- Picture frame. Assembled. K. R. Free. 1,963,124; June 19.
- Picture frame structure. R. Stern. 1,971,923; Aug. 28.
- Picture frame support. M. C. Gallucci. 1,943,666; Jan. 16.
- Picture framing and the like. R. J. Schill. 1,982,143; Nov. 27.
- Picture hanger. A. O. Haukedahl. 1,945,897; Feb. 6.
- Picture hanger. A. Schwinger. 1,985,582; Dec. 25.
- Picture machine. Automatic film threading motion. R. P. May. 1,979,700; Nov. 6.
- Picture machine. Continuous projecting motion. T. G. Daniels. 1,968,253; July 31.
- Picture machine. Continuous projecting motion. T. G. Frederick and B. M. Wooden. 1,968,250; July 31.
- Picture machine. Motion. M. Scheinfeld. 1,967,594; July 24.
- Picture machine. Talking and moving. G. Hammond and I. H. Vine. 1,966,816; July 17.
- Picture machine. Talking motion. G. F. Myers. 1,974,688; Sept. 25.
- Picture mat. H. A. Prew. Des. 92,205; May 8.
- Picture moving screen. Motion. L. G. Simjian. 1,969,909; Aug. 14.
- Picture optical system and apparatus. Motion. G. G. Moreno. 1,943,689; Jan. 16.
- Picture projecting and viewing apparatus. M. Bowman-Manifold. 1,981,922; Nov. 27.
- Picture projecting apparatus. Motion. I. H. Crabtree. 1,985,629; Dec. 25.
- Picture projecting device. T. J. Behymer. 1,965,875; July 10.
- Picture projecting machine. Motion. M. Berkowitz. 1,955,938; Apr. 24.
- Picture projecting machine. Motion. M. Berkowitz. 1,975,309; Oct. 2.
- Picture projecting machine. Motion. A. S. Howell. 1,979,800; Nov. 6.
- Picture projecting machine. Motion. B. Stechbart. 1,975,338; Oct. 2.
- Picture projecting machine. Motor-driven motion. K. Morsbach, O. Steiner, and E. Lölkes. 1,964,209; June 26.
- Picture projection apparatus. Sound motion. O. A. Ross. 1,985,552; Dec. 25.
- Picture projection machine. N. L. Dauplaise. 1,943,299; Jan. 16.
- Picture projection machine. Motion. L. S. Frappier and E. Boecking. 1,958,475; May 15.
- Picture projection machine. Motion. G. K. Spoor. 1,980,600; Nov. 13.
- Picture projection method and apparatus. Motion. J. J. Dilks, Jr. 1,978,250; Oct. 23.
- Picture projector "B". Motion. L. B. Larsen. 1,942,929; Jan. 9.
- Picture projector. Duplex motion. G. A. Mitchell. 1,945,863; Feb. 6.
- Picture projector. Motion. M. Flinker. 1,956,418; Apr. 24.
- Picture projector. Motion. L. J. R. Holst, W. Mayer, and H. R. Menefee. 1,974,423; Sept. 25.
- Picture projector. Motion. D. P. Moore. Des. 91,530; Feb. 20.
- Picture projector. Motion. M. Scheinfeld. 1,954,844; Apr. 17.
- Picture projector. Motion. E. Vollenweider. 1,981,255; Nov. 20.
- Picture projector. Moving. J. D. Stirriss. 1,963,454; June 19.
- Picture projector. Moving. J. D. Stirriss. 1,963,455; June 19.
- Picture projector. Moving. J. D. Stirriss. 1,981,829; Nov. 20.
- Picture pull down mechanism. Motion. E. C. Fritts. 1,976,338; Oct. 9.
- Picture puzzle. A. F. Decker. 1,948,962; Feb. 27.
- Picture receiver. A. Karolus. 1,962,447; June 12.
- Picture recording system. Sound. F. Hardy. 1,965,414; July 3.
- Picture reproducing apparatus. Motion. J. B. Strauss. 1,975,907; Oct. 9.
- Picture reproducing machine. Sound and moving. J. W. Early and F. H. Harrington. 1,970,287; Aug. 14.
- Picture. Sound motion. A. N. Goldsmith. 1,946,206; Feb. 6.
- Picture. Sound moving. G. Ramsey. 1,956,624; May 1.
- Picture. Subtractive two-color. K. Hebbel. 1,953,175; Apr. 3.
- Picture system. Sound. F. H. Hibbard. 1,974,070; Sept. 18.
- Picture system. Sound motion. R. F. Mallina. 1,963,753; June 19.
- Picture system with sound. Motion. E. H. Smythe. 1,962,367; June 12.
- Picture transmission. P. C. Gardiner. 1,950,171; Mar. 6.
- Picture transmission amplifier. R. H. Ranger. 1,973,725; Sept. 18.
- Picture transmission and reception system. C. W. Hough. 1,972,444; Sept. 4.
- Picture transmission. Electric. O. von Bronk. 1,976,377; Oct. 9.
- Picture transmitting apparatus. C. Müller. 1,943,900; Jan. 16.
- Picture transmitting system. O. Fulton. 1,985,084; Dec. 18.
- Picture viewing apparatus. J. H. Harlow. 1,963,788; June 19.
- Pictures accompanied by sound. Method of and apparatus for projecting motion. A. C. Pegg. 1,942,036; Jan. 2.
- Pictures and cameras therefor. Apparatus for making color motion. O. C. Gilmore. 1,978,789; Oct. 30.
- Pictures and reproducing sound pictures. Apparatus for simultaneously producing moving. E. I. Sponable. 1,982,600; Nov. 27.
- Pictures and sound records. Coordination of moving. G. Ramsey. 1,981,069; Nov. 20.
- Pictures. Apparatus for making motion. I. G. Ries and D. G. Shearer. 1,982,322; Nov. 27.
- Pictures. Apparatus for projecting motion. W. L. Wright. 1,949,892; Mar. 6.
- Pictures. Apparatus for taking cinematographic. L. Goldhammer and W. Baumgärtner. 1,959,268; May 15.
- Pictures by instantaneous exposure. Apparatus for making stereoscopic. E. E. Draper. 1,955,275; Apr. 17.
- Pictures by instantaneous exposure. Making stereoscopic. E. E. Draper. 1,942,638; Jan. 9.
- Pictures. Composite motion. H. F. Koenekamp. 1,980,806; Nov. 13.
- Pictures. Device for taking and projecting motion. P. W. Dorst. 1,946,934; Feb. 13.
- Pictures from metal foil. Producing plastic. H. Bogaerts. 1,941,736; Jan. 2.
- Pictures in colors. Production of. J. Davies. 1,963,695; June 19.
- Pictures in natural colors. Production of motion. I. P. Rodman. 1,983,402; Dec. 4.
- Pictures in natural colors. Projecting cinematographic. P. O. Mikut. 1,982,530; Nov. 27.
- Pictures. Method and apparatus for producing moving. E. I. Sponable. 1,982,599; Nov. 27.
- Pictures. Making of sound synchronized motion. M. Fleischer. 1,941,980; Jan. 2.
- Pictures. Method and apparatus for projecting. E. Wildhaber. 1,957,745; May 8.
- Pictures. Method and system for transmitting and receiving. H. Fuchs. 1,967,817; July 24.
- Pictures. Method of and apparatus for producing motion. W. N. Aubuchon, Jr. 1,945,721-2; Feb. 6.
- Pictures. Method of and apparatus for producing motion. L. H. Tolhurst. 1,945,926; Feb. 6.
- Pictures on lenticular films. Apparatus for projecting multicolor. G. Heymer. 1,971,410; Aug. 28.
- Pictures on lenticular films. Process and device for printing multicolor partial. G. Heymer. 1,968,145; July 31.
- Pictures or of telegraphic signals. Device for the transmission of. F. Schröter and F. Michelssen. 1,965,752; July 10.

- Pictures or the like, Apparatus for producing panographic photographic. L. F. Douglass. 1,967,468; July 24.
- Pictures, Preparing colored photographic. L. J. Dassonville. 1,945,772; Feb. 6.
- Pictures, Presenting. E. Wildhaber. 1,984,004; Dec. 11.
- Pictures, Process of and apparatus for producing stereoscopic motion. C. F. Méndez. 1,947,161; Feb. 13.
- Pictures, Producing colored. F. J. Hinton. 1,957,646; May 8.
- Pictures, Producing stereoscopic moving. M. J. Spivack. 1,952,340; Mar. 27.
- Pictures, Production of colored photographic. G. Roessler. 1,945,658; Feb. 6.
- Pictures, Production of composite motion. L. Planskoy. 1,959,498; May 22.
- Pictures, Production of stereoscopic. C. W. Kanolt. 1,950,374; Mar. 6.
- Pictures, Reproduction of sound. J. Weinberger. 1,976,379; Oct. 9.
- Pictures which give the sensation of a trip in an aeroplane or airship, Projection of cinematograph. G. Castello. 1,950,481; Mar. 13.
- Pie making machine. J. F. Kohler. 1,950,495; Mar. 13.
- Pie making machinery and die. D. Trompeter. 1,959,011; May 15.
- Pie trimmer. A. E. Wikstrom. 1,964,699; June 26.
- Pie trimmer and sealer. A. F. Jackson. 1,977,309; Oct. 16.
- Pies, Apparatus for baking. F. W. Carlson. 1,970,735; Aug. 21.
- Pieces of stock, Method and composition for use in securing together. W. H. Wedger. 1,959,321; May 15.
- Pieces of stock, Methods and step-products for securing together. W. H. Wedger. 1,959,322; May 15.
- Pier, caisson, and the like, Sinking. D. E. Moran. 1,971,046; Aug. 21.
- Pier, Portable. H. Middlebrook. 1,975,049; Sept. 25.
- Piercing point. J. J. Dunn and E. C. Wright. 1,950,938; Mar. 13.
- Piercing point. E. C. Wright. 1,963,319-20; June 19.
- Piercing point. E. C. Wright and D. N. Uebelhart. 1,951,078; Mar. 13.
- Piezo-electric bodies, Apparatus for making. A. Meissner. 1,969,379; Aug. 7.
- Piezo-electric crystal. A. M. Nicolson. 1,958,014; May 8.
- Piezo-electric crystal apparatus. D. F. Ciccolella. 1,978,188; Oct. 23.
- Piezo-electric system. W. G. Cady. 1,977,169; Oct. 16.
- Piezo-electric wave filter. W. P. Mason. 1,974,081; Sept. 18.
- Pig feeder. A. J. W. Tompkins. 1,982,237; Nov. 27.
- Pig-iron having a fine graphic texture, Production of. A. Wirtz. 1,955,481; Apr. 17.
- Pigment. J. W. Ayers. 1,964,682-3; June 26.
- Pigment. J. T. Baldwin. 1,946,053; Feb. 6.
- Pigment. J. T. Baldwin. 1,946,055; Feb. 6.
- Pigment. A. E. Gessler. 1,984,182; Dec. 11.
- Pigment. W. J. O'Brien. 1,952,886; Mar. 27.
- Pigment and making same. F. G. Breyer and J. P. Koller. 1,949,925; Mar. 6.
- Pigment and making the same, Zinc-base white. H. A. Gardner. 1,979,379; Nov. 6.
- Pigment and method of manufacture. H. A. Gardner. 1,979,380; Nov. 6.
- Pigment composition. C. J. Harbert. 1,945,809; Feb. 6.
- Pigment from organic carbonaceous earth and producing the same, Dispersed. L. P. Dove. 1,949,147; Feb. 27.
- Pigment, Making. H. A. Depew. 1,963,546; June 19.
- Pigment, Manufacture of white. R. Barfuss. 1,982,604; Nov. 27.
- Pigment, Production of iron oxide. R. O. Wood. 1,979,595; Nov. 6.
- Pigment, Treated. H. A. Gardner. 1,963,896; June 19.
- Pigments and product thereof, Producing zinc sulphide. M. L. Hanahan. 1,977,583; Oct. 16.
- Pigments by wet-precipitation, Manufacture of. W. C. Hooley and E. J. Flynn. 1,945,551; Feb. 6.
- Pigments containing titanium. F. von Bichowsky. 1,975,339; Oct. 2.
- Pigments, Dispersing. E. C. de Stubner. 1,955,738; Apr. 24.
- Pigments for heat treatment, Handling. M. L. Hanahan. 1,977,582; Oct. 16.
- Pigments, Manufacture of. J. T. Baldwin. 1,946,052; Feb. 6.
- Pigments, Manufacture of. G. F. A. Stutz. 1,963,566; June 19.
- Pigments, Preparing. J. T. Baldwin. 1,946,054; Feb. 6.
- Pigments suited for the coloring of rubber, Manufacture and application of special. A. J. Hallwood, W. J. S. Naunton, and A. Shepherdson. 1,978,197; Oct. 23.
- Pigskin articles, Making. S. M. Straus. Re19,402; Dec. 18.
- Pilaster for metallic building structures. F. M. Kramer. 1,964,438; June 26.
- Pile. G. Cook. 1,954,070; Apr. 10.
- Pile. J. J. O'Brien. 1,982,687; Dec. 4.
- Pile and constructing the same. J. H. Thornley. 1,954,188; Apr. 10.
- Pile, Assembled. J. E. Cahill. 1,951,292; Mar. 13.
- Pile, Composite. L. Nadel. 1,971,691; Aug. 28.
- Pile driver, Bulkhead. O. F. Doyle. 1,954,523; Apr. 10.
- Pile driving apparatus. J. B. Goldsborough and C. Lose, jr. 1,957,999; May 8.
- Pile-driving head. R. D. Budd. 1,943,420; Jan. 16.
- Pile fabric. C. E. Barrett. 1,953,069; Apr. 3.
- Pile fabric. J. F. Shaw, J. M. Donnelly, and J. Johnston. 1,948,936; Feb. 27.
- Pile fabric. H. L. Shuttleworth. 1,955,028; Apr. 17.
- Pile fabric and its manufacture. T. A. Beaty. 1,952,407; Mar. 27.
- Pile fabric and weaving the same. J. F. Shaw and J. M. Donnelly. 1,968,003; July 24.
- Pile fabric, Producing. H. B. Brainard. 1,985,141; Dec. 18.
- Pile fabrics, Apparatus and method for weaving. A. W. Shuttleworth. 1,965,396; July 3.
- Pile fabrics, Apparatus for weaving. J. J. Kaufmann. 1,985,208; Dec. 18.
- Pile fabrics, Method and apparatus for making. G. B. Reed. 1,970,625; Aug. 21.
- Pile fabrics, Method of and machine for edging. K. Maier. 1,961,979; June 5.
- Pile fabrics, Producing double tuft. W. B. Cooper. 1,953,044; Mar. 27.
- Pile faced material and making the same. F. W. Moore. Re19,293; Aug. 28.
- Pile-forming and delivery means. S. G. Johnson. 1,942,172; Jan. 2.
- Pile forming apparatus. W. L. Bald. 1,951,643; Mar. 20.
- Pile point. G. J. Atwell. 1,960,888; May 29.
- Pile point. W. L. Bald. 1,969,251; Aug. 7.
- Pile point. W. L. Bald and E. S. Deakyne. 1,979,599; Nov. 6.
- Pile testing machine. F. H. Smith. 1,984,769; Dec. 18.
- Pile wire inserting means for looms. R. Sutcliffe. 1,981,478; Nov. 20.
- Piler. J. M. Springer. 1,977,497; Oct. 16.
- Piles, Method and apparatus for forming concrete. L. Nadel. 1,971,692; Aug. 28.
- Piling, Casting. E. D. Steinhagen. 1,945,167; Jan. 30.
- Piling, Iron sheet. E. Becker. 1,968,241; July 31.
- Piling of Z-shaped sheet piling iron, Steel sheet. M. Metzler. 1,962,830; June 12.
- Piling sections of general Z-shape, Making. W. W. Smith. 1,943,933; Jan. 16.
- Piling, Sheet. W. Prielipp. 1,985,795; Dec. 25.
- Piling unit, Sheet metal. G. Janssen. 1,951,152; Mar. 13.
- Pilferproof box. J. P. H. Leavitt. 1,945,613; Feb. 6.
- Pilger rolling mill. W. Albert. 1,960,178; May 22.
- Pill dispenser. H. Hauck. 1,974,332; Sept. 18.
- Pillow block. M. S. Vile. 1,946,431; Feb. 6.
- Pillow or similar article. E. J. Barcalo. Des. 91,262; Jan. 2.
- Pillow rest for beds and couches, Inclined. D. P. Williams. 1,953,578; Apr. 8.
- Pillow, Self-inflating. B. C. Rubin. 1,950,571; Mar. 13.
- Pilot burner, Thermostatic. C. H. Morrow. 1,943,135; Jan. 9.
- Pilot device, Compensated. L. L. Cunningham. 1,963,957; June 26.
- Pilot for hydrocarbon burners, Oil. A. J. Frame. 1,984,573; Dec. 18.
- Pilot for hydrocarbon burners, Oil. C. H. Gambell. 1,975,266; Oct. 2.
- Pilot for hydrocarbon fuel burners, Electric. A. J. Frame. 1,984,572; Dec. 18.
- Pilot for reamers. F. Judge. 1,946,584; Feb. 13.
- Pilot for valve seat facing tools. F. W. Seelert. 1,950,522; Mar. 13.
- Pilot for valve seating cutters. G. M. Graham. 1,960,905; May 29.
- Pilot holes in circular chasers, Device for grinding. W. J. Hogg. 1,952,207; Mar. 27.
- Pilot jet assembly. E. W. Roberts. 1,949,182; Feb. 27.
- Pilot lamp. J. K. Russell. 1,964,180; June 26.
- Pilot light and gas burner valve. O. G. Lundgoot. 1,960,852; May 29.
- Pilot television system. A. M. Nicolson. 1,953,817; Apr. 3.
- Pilot valve. J. M. Wilson. 1,967,851; July 24.
- Pilot-wire protection. W. A. Lewis. 1,953,116; Apr. 3.
- Pin: See—
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| Bowling pin. | Lingerie pin. |
| Coupling pin. | Safety pin. |
| Hair dressing pin. | Spindle pin. |
| Insulating supporting pin. | Wrist pin. |
| Leader pin. | |
- Pin installation for well reamers and the like. O. Hammer. 1,971,561; Aug. 28.
- Pin lock. J. O. Clark. 1,981,541; Nov. 20.
- Pin or similar article, Emblematic. M. W. F. Speers. Des. 91,690; Mar. 6.
- Pin point, Knitting. G. A. Carlson. 1,983,536; Dec. 11.
- Pin roller for tobacco feeds. J. W. Leary. 1,981,517; Nov. 20.
- Pin ticket machine and method. C. A. Flood. 1,954,287; Apr. 10.
- Pin ticketing machine. F. Kohnle. 1,971,963; Aug. 28.
- Pin tool. G. F. Robertson. 1,979,175; Oct. 30.
- Pins to fly catcher tapes, Method and device for mechanically attaching. F. Kaiser. 1,981,732; Nov. 20.
- Pincers. L. Chadwick. 1,949,452; Mar. 6.
- Pinking attachment or machine. B. H. Livinson and H. F. Webster. 1,984,937; Dec. 18.
- Pinking machine. W. T. Maxant. 1,984,224; Dec. 11.
- Pinks along the edges of the fabrics, Cutting. J. Mann. 1,962,024; June 5.
- Pintle retainer for journal boxes. E. R. Viberg. 1,957,087; May 1.

Pipe: *See*—

- Cast iron pipe. Shower pipe.
Concrete pressure pipe. Smoking pipe.
Culvert pipe. Stove pipe.
Ejector vent pipe. Tobacco pipe.
Flexible insulated pipe. Tow-line pipe.
Glass pipe. Wash pipe.
Organ pipe. Water pipe.
Pipe joint.
- Pipe. E. M. Bergstrom and W. L. Digby. 1,969,540; Aug. 7.
Pipe. E. M. Bergstrom and W. P. Digby. 1,982,852; Dec. 4.
Pipe. C. C. Blake. Des. 91,645; Mar. 6.
Pipe. S. B. Dabney. 1,948,649; Feb. 27.
Pipe. E. E. Hall. 1,948,232; Feb. 20.
Pipe. J. B. Kerr. 1,983,135; Dec. 4.
Pipe. P. J. Miele. 1,967,367; July 24.
Pipe. E. O. Norman. 1,958,835; May 15.
Pipe. H. R. Segal. 1,960,318; May 29.
Pipe. F. F. Tremblay. 1,975,027; Sept. 25.
Pipe and making same, Composite. R. W. Mitchell. 1,965,748; July 10.
Pipe and the like, Lining concrete. W. A. Whiting. 1,979,655; Nov. 6.
Pipe and the like, Smoking. E. L. Schumacher and L. W. Goddu. 1,955,474; Apr. 17.
Pipe and tube, Smoking. G. Lyoso. 1,951,097; Mar. 13.
Pipe, Apparatus and method for installing. C. Gilman. 1,948,707; Feb. 27.
Pipe, Apparatus for forming. B. W. Henning. 1,959,673; May 22.
Pipe, Apparatus for handling. J. A. Hardcastle. 1,951,407; Mar. 20.
Pipe, Apparatus for wrapping. N. D. Whitman. 1,979,656; Nov. 6.
Pipe assembling and welding apparatus. G. K. Hull. 1,952,319; Mar. 27.
Pipe bend. G. W. Brownley. 1,984,172; Dec. 11.
Pipe bend. G. Domina. 1,960,412; May 29.
Pipe bend and method and apparatus for making the same. W. N. Quartz and W. J. Bannen. 1,958,447; May 15.
Pipe bending device. W. H. Martin. 1,949,938; Mar. 6.
Pipe bends and the like, Method and apparatus for manufacturing. R. H. Böbling. 1,951,334; Mar. 20.
Pipe bends, Making. W. Kossowski. 1,975,045; Sept. 25.
Pipe bends, Making. A. J. Loopsinger. 1,951,802; Mar. 20.
Pipe bends, Making. J. H. Taylor. 1,962,469; June 12.
Pipe bowls, Burnishing the interior of corn cob. H. Hirschl. 1,975,692; Oct. 2.
Pipe bushing machine. L. Bailey. 1,974,324; Sept. 18.
Pipe cap for internal combustion engines, Breather. L. A. Alexander. 1,960,657; May 29.
Pipe casting apparatus. B. Bigler. 1,980,742; Nov. 13.
Pipe casting apparatus, Centrifugal. N. F. S. Russell and F. C. Langenberg. 1,963,147; June 19.
Pipe casting machine, Centrifugal. N. F. S. Russell and F. C. Langenberg. 1,963,148; June 19.
Pipe casting apparatus, Centrifugal. N. F. S. Russell and F. C. Langenberg. 1,963,149; June 19.
Pipe casting machine, Centrifugal. N. F. S. Russell and F. C. Langenberg. 1,963,150; June 19.
Pipe circulation cleaner, Beer. H. Michaelson. 1,951,252; Mar. 13.
Pipe clamp. F. A. Engel. 1,979,680; Nov. 6.
Pipe clamping device. W. A. Freeman. 1,941,889; Jan. 2.
Pipe cleaner. R. P. Clark and H. E. Fee. 1,984,964; Dec. 18.
Pipe cleaner and ash receiver, Combined. M. A. Mikesh. 1,979,115; Oct. 30.
Pipe cleaning device. E. F. Troy. 1,945,208; Jan. 30.
Pipe cleaning machine, Outside. F. McManis. 1,957,792; May 8.
Pipe coating device. D. A. Cumfer. 1,951,085; Mar. 13.
Pipe coating machine. W. A. Kraner. 1,976,999; Oct. 16.
Pipe coating method and machine. W. A. Kraner. 1,966,725; July 17.
Pipe connector, Automatic train. J. Robinson. 1,968,313; July 31.
Pipe connection. H. J. Wallace. 1,953,665; Apr. 3.
Pipe construction. R. S. Blair. 1,976,004; Oct. 9.
Pipe construction, Bell-end. H. W. Jewell. 1,951,512; Mar. 20.
Pipe coupler. J. L. Brulatour. 1,949,451; Mar. 6.
Pipe coupler, Train. F. W. Dearborn. 1,982,643; Dec. 4.
Pipe coupling. A. O. Bredeson. 1,968,368; July 31.
Pipe coupling. L. H. Brinkman. 1,981,777; Nov. 20.
Pipe coupling. S. V. Dillon. 1,970,078; Aug. 14.
Pipe coupling. C. Geiger. 1,983,977; Dec. 11.
Pipe coupling. E. E. Hewitt. 1,956,683; May 1.
Pipe coupling. B. G. Howell and I. F. Stone. 1,959,826; May 22.
Pipe coupling. B. N. R. Lamont. 1,957,605; May 8.
Pipe coupling. A. Mazza. 1,947,998; Feb. 20.
Pipe coupling. K. Schötter. 1,970,599; Aug. 14.
Pipe coupling. I. Swedler and A. L. Greenlaw. 1,969,531; Aug. 7.
Pipe coupling, Adjustable. G. S. Mann. 1,974,780; Sept. 25.
Pipe coupling and gasket therefor. F. L. Hausbalter. 1,978,019; Oct. 23.
Pipe coupling and pipe joint. C. W. Hunt. 1,955,069; Apr. 17.
Pipe coupling and producing the same. C. G. Naylor. 1,976,797; Oct. 16.
Pipe-coupling and valve device, Combined. C. O. Wilson. 1,966,745; July 17.
Pipe coupling, Automatic train. J. Robinson. 1,981,004; Nov. 20.
Pipe coupling, Flexible. W. B. Damsel. 1,967,466; July 24.
Pipe coupling, Flexible irrigation. J. A. Lambie. 1,949,055; Feb. 27.
Pipe coupling head, Automatic train. J. Robinson. 1,941,622; Jan. 2.
Pipe coupling head, Automatic train. J. Robinson. 1,956,878; May 1.
Pipe coupling member, Female. P. Lofgren. 1,968,562; July 31.
Pipe coupling member, Making a female. P. Lofgren. 1,968,563; July 31.
Pipe cutter. J. K. Clark, L. M. Pearce, and W. L. Church. 1,959,284; May 15.
Pipe cutter. H. B. Hoefer. 1,985,541; Dec. 25.
Pipe cutter. C. W. Shafer. 1,968,857; Aug. 7.
Pipe cutting and beveling apparatus. E. L. Hart. 1,942,099; Jan. 2.
Pipe cutting machine. O. Tweit. 1,963,537; June 19.
Pipe cutting machine. S. C. Twigg and G. D. Major. 1,954,549; Apr. 10.
Pipe cutting or welding machine, Circumferential. J. L. Anderson. 1,981,340-1; Nov. 20.
Pipe. Drawing bell and spigot-type. I. O. Pedersen. 1,979,571; Nov. 6.
Pipe elbows, Forming. J. Maroto. 1,960,788; May 29.
Pipe ends, Apparatus for reshaping deformed. D. E. Lindquist. 1,974,963; Sept. 25.
Pipe ends, Preparing. T. F. Birmingham. 1,952,620; Mar. 27.
Pipe engaging slip. J. H. Howard. 1,979,389; Nov. 6.
Pipe fitting. H. C. Davis. 1,977,175; Oct. 16.
Pipe fitting. F. C. Fantz. 1,972,294; Sept. 4.
Pipe fitting. F. L. Snyder. 1,960,557; May 29.
Pipe fitting and making same, Metallic fiber. H. Sweet. 1,969,588; Aug. 7.
Pipe fitting, Built-up. E. S. Cornell, jr. 1,941,465; Jan. 2.
Pipe fitting member. T. E. Mulroyan. 1,950,947; Mar. 13.
Pipe fitting, Sheet metal. E. S. Cornell, jr. 1,982,498; Nov. 27.
Pipe fitting, Waste. E. A. Pope. 1,956,654; May 1.
Pipe fittings, Forming pipe sheet metal. E. S. Cornell, jr. 1,949,197; Feb. 27.
Pipe fittings, Making. V. E. Flodin. 1,978,452; Oct. 30.
Pipe flange. E. H. Anderson. 1,961,189; June 5.
Pipe for smoking tobacco. H. R. Keely. 1,975,952; Oct. 9.
Pipe forming machine. E. J. Dreis. 1,973,164; Sept. 11.
Pipe forming machine, Metal. E. Wheeler. 1,954,160; Apr. 10.
Pipe grapple, Automatic. N. M. Erdahl. 1,966,240; July 10.
Pipe grooving tool. F. H. Ruppel. 1,983,922; Dec. 11.
Pipe handling apparatus. R. L. Carpenter. 1,956,147; Apr. 24.
Pipe hanger. F. E. McCabe. 1,966,899; July 17.
Pipe holder. E. R. Littell. 1,974,246; Sept. 18.
Pipe in wells, Method and apparatus for handling. W. A. Rogers. 1,967,517; July 24.
Pipe in wells, Welding and setting. J. J. Kane. 1,966,248; July 10.
Pipe insulation. D. J. Galbraith. 1,966,341; July 10.
Pipe joint. O. E. Andrus. 1,966,231; July 10.
Pipe joint. S. B. Clark. 1,982,044; Nov. 27.
Pipe joint. W. S. Finken. 1,969,789; Aug. 14.
Pipe joint. A. Hansen. 1,977,911; Oct. 23.
Pipe joint. J. Holt. 1,959,079; May 15.
Pipe joint. J. Mano. 1,960,249; May 29.
Pipe joint. A. T. McWane. 1,962,400-1; June 12.
Pipe joint. J. R. McWane. 1,978,547; Oct. 30.
Pipe joint. R. H. Pierce. 1,945,293; Jan. 30.
Pipe joint. E. J. Protin. 1,942,518; Jan. 9.
Pipe joint. W. W. Trickey. 1,976,589; Oct. 9.
Pipe joint. P. H. Wilson. 1,965,915; July 10.
Pipe joint and packing ring therefor. J. R. McWane. 1,956,692; May 1.
Pipe joint and pipe joint gasket. S. B. Clark and F. C. Langenburg. 1,979,141; Oct. 30.
Pipe joint packing device. F. A. Engel. 1,961,044; June 26.
Pipe joint packing device. F. A. Engel, F. V. Lawrence, and F. Hudson. 1,979,255; Nov. 6.
Pipe joint sealing device. F. R. McMurray. 1,948,274; Feb. 20.
Pipe joints, Leakproofing. A. M. Hirsh. 1,959,532; May 22.
Pipe joints, Making. W. H. Armacost. 1,975,495; Oct. 2.
Pipe lifter and aligner. J. E. Crockett. 1,985,152; Dec. 18.
Pipe line. A. H. Riney and L. T. Gibbs. 1,947,616; Feb. 20.
Pipe line system for the transportation of natural gas. A. J. Diescher. 1,956,009; Apr. 24.
Pipe liner, Solid ring. F. C. Hutchison. 1,980,530; Nov. 13.
Pipe lines and other buried metallic structures from corrosion, Protecting. G. I. Rhodes. 1,962,696; June 12.
Pipe lines, Heating. J. W. Chadwick. 1,960,866; May 29.
Pipe lining. H. J. Walker. 1,949,984; Mar. 6.
Pipe lining machine. W. C. Meyncke. 1,973,440; Sept. 11.

- Pipe locking device, Fill. H. V. Le Bourveau. 1,985,787; Dec. 25.
- Pipe, Making. C. S. Patton and E. N. Boswell. 1,952,217; Mar. 27.
- Pipe, Making. E. H. Taylor. 1,967,728; July 24.
- Pipe, Manufacture of fusion-welded. J. L. Anderson. 1,960,523; May 29.
- Pipe, Means and method of welding. J. J. Kane. 1,962,352; June 12.
- Pipe, Method and apparatus for electrically welding. H. G. Blevins. 1,982,415; Nov. 27.
- Pipe, Method and apparatus for forming. L. Jones. 1,968,455; July 31.
- Pipe, Method and apparatus for pressing. J. J. Dyer. 1,978,420; Oct. 30.
- Pipe or like device. E. W. Kaiser. 1,964,123; June 26.
- Pipe or rod coupling and joint. F. H. Mueller. 1,979,760; Nov. 6.
- Pipe or the like, Apparatus for installing and guiding. W. H. Robertson. 1,948,733; Feb. 27.
- Pipe painting device. F. McManis. 1,957,791; May 8.
- Pipe protector. D. W. Thomas. 1,980,364; Nov. 13.
- Pipe puller. J. G. Scott and F. L. Fraizer. 1,962,466; June 12.
- Pipe pusher. J. H. Abramson and E. C. Swanson. 1,962,228; June 12.
- Pipe pushing tool. J. P. Koenig. 1,984,834; Dec. 18.
- Pipe rack. E. L. Johnston. 1,947,553; Feb. 20.
- Pipe reamer. R. P. Wright. 1,955,447; Apr. 17.
- Pipe reamer and flaring tool. I. B. Rosenberg. 1,950,154; Mar. 6.
- Pipe repair device. J. L. McCoy. 1,964,642; June 26.
- Pipe section. J. E. Trainer and C. M. Day. 1,979,424; Nov. 6.
- Pipe section and attachment therefor. R. G. Ferris. 1,952,126; Mar. 27.
- Pipe sections, Joining bell and spigot. J. C. Johnston. 1,979,470; Nov. 6.
- Pipe, Smoking. D. Copell. 1,950,542; Mar. 13.
- Pipe spraying appliance. S. Bransen and F. Wablin. 1,960,725; May 29.
- Pipestem liner. J. M. Denney. 1,943,518; Jan. 16.
- Pipe support. J. H. Howard. 1,942,213; Jan. 2.
- Pipe swaging clamp. W. M. Paterson. 1,962,522; June 12.
- Pipe testing apparatus. J. E. Neale and E. W. Mishler. 1,972,630; Sept. 4.
- Pipe testing machine. M. Rosenkranz. 1,973,674; Sept. 11.
- Pipe thread gauge. H. W. Fletcher. 1,983,279; Dec. 4.
- Pipe threading machine. R. B. Pealer. 1,947,874; Feb. 20.
- Pipe tongs. C. A. Eagan. 1,974,105; Sept. 18.
- Pipe welding. J. P. Fisher. 1,981,850; Nov. 27.
- Pipe welding. C. G. Jones. 1,947,089; Feb. 13.
- Pipe, Welding. J. J. Kane. 1,962,350-1; June 12.
- Pipe welding apparatus. T. W. C. Beattie. 1,984,720; Dec. 18.
- Pipe welding, Circumferential. G. M. Deming. 1,956,824; May 1.
- Pipe welding clamp. H. A. Maurer. 1,969,572; Aug. 7.
- Pipe welding generator, Homopolar. P. I. Chandeysson. 1,951,272; Mar. 13.
- Pipe working tool. R. B. Pealer and C. W. Shafer. 1,969,854; Aug. 14.
- Pipe wrapping and coating machine, Power driven. E. L. Rolfs and C. W. Fuller. 1,973,505; Sept. 11.
- Pipe wrapping machine. L. S. Rosener. 1,969,947; Aug. 14.
- Pipe wrapping tester. G. W. Clarvoe. 1,950,484; Mar. 13.
- Pipe wrench. J. G. Richards. 1,968,707; July 31.
- Pipes and other tubular bodies, Apparatus for centrifugally molding concrete. R. Williams. 1,971,088; Aug. 21.
- Pipes and the like, Handling and holding drill. R. R. Clark. 1,975,448; Oct. 2.
- Pipes, Apparatus for cleaning. S. Uroukoff. Re19,335; Oct. 2.
- Pipes, Apparatus for coating. A. G. Perkins. 1,971,535; Aug. 28.
- Pipes, Casting centrifugal. N. F. S. Russell and F. C. Langenberg. 1,963,146; June 19.
- Pipes centrifugally, Method and apparatus for casting. N. F. S. Russell and F. C. Langenberg. 1,949,433; Mar. 6.
- Pipes, Flexible attachment for smoking. S. Kanter. 1,971,567; Aug. 28.
- Pipes, Method and apparatus for the manufacture of disk ribbed. W. J. Hellenbroich. 1,975,422; Oct. 2.
- Pipes of a small diameter and of little thickness, Process and machinery for the manufacture of asbestos-cement. A. Mazza. 1,984,073; Dec. 11.
- Pipes or hollow ware of fibrous cement mortar or the like, Manufacture of. G. Vianini. 1,954,902; Apr. 17.
- Pipes or well holes into the ground, Method of and apparatus for sinking. T. F. Moore. 1,959,174; May 15.
- Pipes, Sanitary smoking stem for. J. Szilagyi. 1,956,404; Apr. 24.
- Pipes with cementitious material, Apparatus for lining. W. T. Tate. 1,951,221; Mar. 13.
- Piping. A. W. Rockwood. Des. 93,242; Sept. 4.
- Piping for sprinkler systems, Distributing. P. J. Neillon. 1,979,400; Nov. 6.
- Piping systems, Identification of. R. J. Meunier. 1,960,748; May 29.
- Piping, welting, or the like. A. W. Rockwood. 1,979,231; Oct. 30.
- Piperidine, Production of. D. W. Parkes. 1,947,732; Feb. 20.
- Piperitone, Isolation of. J. W. Blagden and W. E. Huggett. 1,960,134; May 22.
- Pirn for use in the shuttles of looms for weaving. W. A. Dickie, L. Latham, and T. H. Platts. 1,954,071; Apr. 10.
- Pistol, Quick-firing. J. Nickl. 1,980,874; Nov. 13.
- Pistol, Torpedo firing. J. A. Mars. 1,961,564; June 5.
- Piston. G. C. Austin. 1,966,701; July 17.
- Piston. W. S. Baker. 1,975,345; Oct. 2.
- Piston. G. H. Blettner. 1,980,658; Nov. 13.
- Piston. R. E. Day. 1,944,223; Jan. 23.
- Piston. L. Freedman. 1,979,967; Nov. 6.
- Piston. P. M. Freer. 1,959,023; May 15.
- Piston. P. M. Freer. 1,964,568; Jan. 26.
- Piston. F. Frelin. 1,944,708; Jan. 23.
- Piston. C. C. Hanch. 1,946,530; Feb. 13.
- Piston. S. D. Heron. 1,953,109; Apr. 3.
- Piston. F. Jardine. 1,944,934-5; Jan. 30.
- Piston. J. B. Larger. 1,961,886; June 5.
- Piston. E. T. Larkin. 1,949,542; Mar. 6.
- Piston. C. W. Marsh. 1,945,151-3; Jan. 30.
- Piston. C. W. Marsh. 1,974,862; Sept. 18.
- Piston. R. M. Magnuson. 1,977,075; Oct. 16.
- Piston. E. Mahle. 1,979,335; Nov. 6.
- Piston. W. C. McCoy. 1,963,026; June 12.
- Piston. W. C. McCoy. 1,969,470; Aug. 7.
- Piston. R. K. Mulford. 1,976,355; Oct. 9.
- Piston. A. L. Nelson. 1,944,361; Jan. 23.
- Piston. A. L. Nelson. 1,945,994; Feb. 6.
- Piston. A. L. Nelson. 1,982,396; Nov. 27.
- Piston. J. M. Shimer. 1,985,780; Dec. 31.
- Piston. D. Sulprizio. 1,982,330; Nov. 27.
- Piston. R. Teetor. 1,985,699; Dec. 25.
- Piston. H. H. Timian. 1,947,177; Feb. 13.
- Piston. P. G. Vanni. 1,942,887; Jan. 9.
- Piston. H. H. Wagner. 1,948,405; Feb. 20.
- Piston. H. N. Wayne. 1,955,157; Apr. 17.
- Piston and cylinder assembly. A. Bevacqua. 1,980,741; Nov. 13.
- Piston and cylinder construction, Rotary. W. Lister. 1,972,744; Sept. 4.
- Piston and packing ring. C. C. Farmer. 1,947,701; Feb. 20.
- Piston and packing ring. M. G. Kurth. 1,965,417; July 3.
- Piston and piston expanding ring. L. W. Coombs and A. W. Kushinsky. 1,960,989; May 29.
- Piston and piston ring. W. E. McCullough. 1,976,794; Oct. 16.
- Piston and piston ring. M. O. Teetor. 1,963,725; June 19.
- Piston and power shaft connecting gearing. S. Rokosz. 1,960,167; May 22.
- Piston and ring construction. A. M. Alexandrescu. 1,951,959; Mar. 20.
- Piston and ring structure, Combined. W. G. G. Gordon. 1,984,409; Dec. 18.
- Piston assembly. D. Papaefthemoou. 1,945,374; Jan. 30.
- Piston balancing machine. J. G. Coleman. 1,979,959; Nov. 6.
- Piston bugle. P. J. Burkle. 1,973,049; Sept. 11.
- Piston clamp. C. W. Prochaska. 1,942,569; Jan. 9.
- Piston construction. S. Hibasco. 1,984,266; Dec. 11.
- Piston construction. H. E. Muchnic. 1,978,370; Oct. 23.
- Piston, Composite. C. R. Short. 1,979,498; Nov. 6.
- Piston expander. E. A. Dickey. 1,979,100; Oct. 30.
- Piston expander. W. E. Frank. 1,942,960; Jan. 9.
- Piston expander. A. W. Morton. 1,956,328; Apr. 24.
- Piston expander. S. D. Orser. 1,956,454; Apr. 24.
- Piston expander. J. Reid. 1,975,974; Oct. 9.
- Piston expansion means. W. J. Six. 1,958,154; May 8.
- Piston fluid pulsator with hand-controlled valves. J. Boerlage. 1,963,576; June 19.
- Piston for an internal combustion motor. E. C. Long. 1,960,313; May 29.
- Piston for two-cycle engines. B. G. Parsons. 1,960,504; May 29.
- Piston head seal for hydraulic brake mechanism. C. Sauzedde. 1,964,745; July 3.
- Piston, Hydraulically cushioned. F. J. Lapointe. 1,956,988; May 1.
- Piston, Light metal. E. Koch. 1,946,081; Feb. 6.
- Piston manufacture. C. R. Butler. 1,951,646; Mar. 20.
- Piston milling and turning machine. F. A. King. 1,948,236; Feb. 20.
- Piston, Oil control. R. H. Daisley. 1,981,993; Nov. 27.
- Piston packing. R. A. Light and J. W. Price, jr. 1,982,614; Nov. 27.
- Piston packing ring. C. A. Marien. 1,942,967; Jan. 9.
- Piston pin assembly. C. F. Betz. 1,943,364; Jan. 16.
- Piston pin in the piston and piston rod, Device for inserting the. K. Bley. 1,955,048; Apr. 17.
- Piston pin inserter and remover. F. O. Carlson. 1,969,725; Aug. 14.
- Piston pin lubrication system. F. G. Shoemaker. 1,947,023; Feb. 13.
- Piston pump. R. de Stoutz. 1,947,902; Feb. 20.
- Piston ring. W. S. Baker. 1,975,344; Oct. 2.
- Piston ring. J. J. Carroll. 1,982,286; Nov. 27.
- Piston ring. E. J. Goodyear. 1,977,990; Oct. 23.
- Piston ring. C. E. Johnson. 1,957,783; May 8.
- Piston ring. R. E. Kirn and F. D. Durham. 1,970,892; Aug. 21.

- Piston ring. L. C. Marshall. 1,965,294; July 3.
Piston ring. G. C. Neault and C. O. Wold. 1,956,513; Apr. 24.
Piston ring. P. A. Powell. 1,958,313; May 8.
Piston ring. G. H. Roberts. 1,978,061; Oct. 23.
Piston ring. M. H. Winstead. 1,945,763; Feb. 6.
Piston ring. W. Wuerfel. 1,965,623; July 10.
Piston ring. V. F. Zahodiakin. 1,957,927; May 8.
Piston ring. R. G. Zeledon. 1,966,782; July 17.
Piston ring. R. G. Zeledon. 1,974,386; Sept. 18.
Piston ring chuck. C. E. Johnson. 1,968,400; July 31.
Piston ring expander. F. A. Krebs. 1,961,001; May 29.
Piston ring filing device. E. A. and A. W. Mollenbauer. 1,964,643; June 26.
Piston ring for internal combustion engines. A. P. Fall. 1,946,677; Feb. 13.
Piston ring grooves, Apparatus for resizing. H. F. Phillips. 1,964,480; June 26.
Piston ring joint. O. S. McCurdy. 1,984,889; Dec. 18.
Piston ring joint miller. J. E. Porter. 1,946,881; Feb. 13.
Piston ring manufacture. R. Grover. 1,977,910; Oct. 23.
Piston ring sizing machine. J. J. O'Neill. 1,979,637; Nov. 6.
Piston ring slotting fixture. G. L. Sundberg. 1,957,507; May 8.
Piston, Ringless. W. E. and B. L. Bassett. 1,945,674; Feb. 6.
Piston rings and cleaning grooves, Device for compressing. R. L. Pawsat. 1,979,767; Nov. 6.
Piston rings, Device for machining. De W. L., Shelly. 1,956,706; May 1.
Piston rings, Making. A. F. Sanders and J. W. Howlett. 1,954,714; Apr. 10.
Piston rings, Making gapped. J. H. Hoern. 1,964,156; June 26.
Piston rings, Manufacture of. M. B. Covert. 1,951,397; Mar. 20.
Piston rings, Manufacturing. A. B. Westerlind and C. A. Jacobson. 1,953,666; Apr. 3.
Piston rings, Producing. W. S. Baker. 1,972,083; Sept. 4.
Piston rod collar. C. C. Farmer. 1,969,786; Aug. 14.
Piston rod connection. G. Pielstick. 1,967,063; July 17.
Piston rod for radial engines. R. Ware. 1,956,886; May 1.
Piston, Self-lubricating. H. M. Mattain and R. S. Willis. 1,949,612; Mar. 6.
Piston skirt expander. L. M. Brannan. 1,951,859; Mar. 20.
Piston skirt expander. H. O. Mills. 1,984,195; Dec. 11.
Piston skirt expander. R. W. Paton. 1,951,837; Mar. 20.
Piston structure, Ball and socket. F. E. Chavannes. 1,955,226; Apr. 17.
Piston strut. S. D. Hartog. 1,983,290; Dec. 4.
Piston valve. A. H. Feters. 1,953,399; Apr. 3.
Piston valve. W. S. Jensen. 1,942,648; Jan. 9.
Pistons, Construction of. W. Martin. 1,956,511; Apr. 24.
Pistons, Device for spreading and enlarging motor. J. A. F. Osse. 1,944,947; Jan. 30.
Pistons, Expanding. R. Mundt. 1,983,673; Dec. 11.
Pistons, Expanding means for. R. R. Teetor. 1,982,706; Dec. 4.
Pistons for fluid pressure engines, Making multipiece. A. Flower. 1,978,045; Oct. 23.
Pistons, Making. R. N. Brown. 1,956,001; Apr. 24.
Pistons, Making motor. V. H. Tandy. 1,959,648; May 22.
Pistons with stepped windings for use in connection with rotary piston engines, Making rotary. E. Mocigemba. 1,946,410; Feb. 6.
Pit cage and the like. A. Bucknall. 1,981,306; Nov. 20.
Pitch and producing pitch products, Melting. S. P. Miller and M. L. Hamlin. 1,957,469; May 8.
Pitch, Production of granulated. S. P. Miller. 1,962,515; June 12.
Pitch propeller, Automatic variable. H. Bates. 1,980,248; Nov. 13.
Pitch propeller, Automatic variable. R. L. Kelm. 1,953,682; Apr. 3.
Pitch propeller, Automatic variable. C. W. Lambert. 1,959,631; May 22.
Pitch propeller, Automatic variable. C. W. Lambert. 1,963,664; June 19.
Pitch propeller, Automatic variable. C. W. Lambert. 1,985,041; Dec. 18.
Pitch propeller, Automatically variable. D. S. de Lavaud. 1,943,210; Jan. 9.
Pitch propeller hub, Controllable. F. J. Martens and C. O. Thompson. 1,977,077; Oct. 16.
Pitch propeller mechanism, Variable. W. S. Hoover. 1,972,486; Sept. 4.
Pitch propeller mechanism, Variable. J. R. Zipay. 1,977,031; Oct. 16.
Pitch propeller, Variable. F. Ballew. 1,967,461; July 24.
Pitch propeller, Variable. W. J. Blanchard. 1,951,320; Mar. 13.
Pitch propeller, Variable. G. R. Brooks. 1,973,046; Sept. 11.
Pitch propeller, Variable. C. K. Greene. 1,958,336; May 8.
Pitch propeller, Variable. H. C. Meon. 1,968,844; Aug. 7.
Pitch propeller, Variable. H. C. Roth. 1,942,126; Jan. 2.
Pitchometer, Direct-reading. B. O. Godfrey. 1,943,862; Jan. 16.
Pitcher. E. Kanter. Des. 91,408; Jan. 23.
Pitcher, Batter. R. T. Ganary. Des. 92,170; May 8.
Pitcher, Coffee. A. F. Fukal. Des. 91,868; Apr. 3.
Pitcher or article of analogous nature. W. von Nessen. Des. 91,376; Jan. 16.
Pitcher or similar article. F. J. Cuthbertson. Des. 93,458; Oct. 2.
Pitcher or similar article. L. E. Hellmann. Des. 91,625; Feb. 27.
Pitcher or similar article. M. W. McArdle. Des. 92,668; July 3.
Pitcher or similar article, Cream. H. Graham. Des. 93,393; Sept. 25.
Pitman connection. P. J. and W. F. Bowman. 1,983,655; Dec. 11.
Pitman, Counterweighted. G. W. Walton. 1,943,906; Jan. 16.
Pitman stirrup bearing. J. P. Ratigan. 1,957,077; May 1.
Pitot-static tube. J. D. Peace, jr. 1,971,534; Aug. 28.
Pitter, Peach. H. H. Davison and J. F. Pagendarm. 1,984,361; Dec. 18.
Pitting and coring machine, Half-fruit. J. P. Bem. 1,941,874; Jan. 2.
Pivot bearing. W. K. Skolfield. 1,965,359; July 3.
Pivot block. W. N. Gilbert. 1,969,364; Aug. 7.
Pivot lubricating and bearing means. W. G. Calkins and A. J. Langhammer. 1,980,166; Nov. 13.
Placard or the like. J. V. Zwinak. Des. 92,156; May 1.
Placer concentrating machine. J. M. Ater. 1,964,716; July 3.
Placing apparatus. M. J. Napier and A. B. Schultz. 1,977,348; Oct. 16.
Plait for sport coats and the like. R. Karasic. 1,948,177; Feb. 20.
Plaits, Forming. A. M. Hess. 1,958,436; May 15.
Plane. M. Corel. 1,964,756; July 3.
Plane. E. T. Stevens. 1,951,452; Mar. 20.
Plane, Mail. C. N. Monteith and R. J. Minshall. Des. 91,327; Jan. 9.
Plane, Power actuated hand. H. U. Hedeby. 1,980,056; Nov. 6.
Planer. A. Marx and H. W. Hunt. 1,970,810; Aug. 21.
Planetary transmission and synchronizer. W. B. Barnes. 1,983,834; Dec. 11.
Plank construction system. A. Henderson. 1,955,584; Apr. 17.
Planographic plates and composition therefor, Etching. G. S. Rowell. 1,977,646; Oct. 23.
Planographic printing. G. S. Rowell. 1,976,039; Oct. 9.
Planographic printing base and preparing it. U. Ostwald. 1,943,486; Jan. 16.
Plant and vine training device. J. H. Schaible. 1,974,367; Sept. 18.
Plant for drying moist materials. R. Schulwitz. 1,973,270; Sept. 11.
Plant juices, Treatment of. U. Heubbaum. 1,972,561; Sept. 4.
Plant killer. F. M. Giddings. 1,954,698; Apr. 10.
Plant label holder, Weatherproof. E. Beckett. 1,979,932; Nov. 6.
Plant pests and plant diseases, Apparatus for use in controlling. W. B. Parker. 1,980,427; Nov. 13.
Plant product, Making marine. P. R. Park. 1,982,595; Nov. 27.
Plant-protective agent and preparing the same. J. H. Fales. 1,979,213; Oct. 30.
Plant protector. H. C. Chase and P. H. Sanford. 1,975,752; Oct. 2.
Plant protector. C. O. Picard. 1,959,875; May 22.
Plant protector. R. A. Wade. 1,978,921; Oct. 30.
Plant spraying device. R. Gretsche. 1,976,340; Oct. 9.
Plant stand. L. Campagna. 1,951,749; Mar. 20.
Plant support. F. W. Eue. 1,942,750; Jan. 9.
Plant support. J. W. Meixell. 1,983,985; Dec. 11.
Plant support. T. Ritchie. 1,976,094; Oct. 9.
Plant support for greenhouse benches. W. Vetter. 1,980,239; Nov. 13.
Planter. L. Acasio. 1,972,325; Sept. 4.
Planter. J. H. Brown. 1,956,460; Apr. 24.
Planter. C. C. Haas. 1,964,465; June 26.
Planter. G. M. Kriegbaum and C. C. Haas. 1,985,374; Dec. 25.
Planter. C. H. White. 1,951,003; Mar. 13.
Planter. C. H. White. 1,951,458; Mar. 20.
Planter. C. H. White. 1,968,187; July 31.
Planter and fertilizer distributor, Seed. G. W. Nix. 1,968,161; July 31.
Planter box attachment, Drop. H. Conrads and L. A. Laas. 1,971,250; Aug. 21.
Planter mechanism. C. H. White. 1,976,314-15; Oct. 9.
Planter, potato. W. F. Artrip. 1,959,560-1; May 22.
Planter, Potato. E. G. Slaten. 1,974,757; Sept. 25.
Planter, Potato. I. Trolley. 1,963,036; June 12.
Planter, Seed. H. Lenz. 1,966,966; July 17.
Planter, Tractor. F. E. Hand. 1,985,370; Dec. 25.
Planter, Tractor. G. M. Kriegbaum and C. C. Haas. 1,960,268; May 29.
Planter, Tractor. C. H. White. 1,943,778; Jan. 16.
Planters, Attachment for. O. J. Tubbs. 1,967,915; July 24.
Planting implement. H. G. Strait. 1,970,108; Aug. 14.
Planting implement. G. M. Walker. 1,980,562; Nov. 13.
Planting machine. I. Pomeranec. 1,963,591; June 19.
Planting machine. C. E. Williams. 1,975,491; Oct. 2.
Planting plan and mulch. R. B. Otwell. 1,954,424; Apr. 10.
Planting tool. E. W. Gemmer. 1,956,918; May 1.
Planting tool. J. P. Croasdale, Jr., and J. A. Roberts. 1,952,585; Mar. 27.
Plants, Cultivating. J. E. Lager. 1,954,674; Apr. 10.

- Plants, Method and device for transplanting rows of. M. Weichert. 1,958,875; May 15.
- Plaque. C. H. Streimer. Des. 91,548; Feb. 20.
- Plaque or similar article. W. Ort. Des. 93,670; Oct. 23.
- Plaque or similar article, Memorial. D. Bank. Des. 94,013-14; Dec. 11.
- Plaque or the like, Wall. I. V. Smith. Des. 91,972; Apr. 10.
- Plaster, Acoustical. L. B. Eaton. 1,983,022; Dec. 4.
- Plaster base. H. E. Marks. 1,950,363; Mar. 6.
- Plaster base. W. F. Schulz. 1,985,193; Dec. 18.
- Plaster bed. J. S. Raynor. 1,983,994; Dec. 11.
- Plaster board. L. Pavesi. 1,949,692; Mar. 6.
- Plaster board or like building construction. F. M. Venzie. 1,982,892; Dec. 4.
- Plaster cutting tool. J. D. Dunn. 1,975,357; Oct. 2.
- Plaster, Flat furuncle. E. Reinitz. 1,956,695; May 1.
- Plaster dusttype register frame. W. T. Truax. 1,975,523; Oct. 2.
- Plaster for high humidity conditions, Acoustical. J. S. Offutt. 1,961,525; June 5.
- Plaster lock. J. M. G. Fullman. 1,945,683; Feb. 6.
- Plaster, Manufacture of porous. T. Coxon. 1,951,691; Mar. 20.
- Plaster mix, Calcium sulphate. V. Lefebure. 1,970,663; Aug. 21.
- Plaster rack, Spring roller adhesive. P. B. Myers. 1,965,507; July 3.
- Plaster receiving base, Making a. H. A. Cumfer. 1,977,046; Oct. 16.
- Plaster slabs, sheets, and other articles, Production of preformed. V. Lefebure. 1,972,527; Sept. 4.
- Plaster supporting structure. J. Kahn and W. F. Schulz. 1,943,260; Jan. 9.
- Plaster, Waterproofing. A. K. Laukel. 1,970,857; Aug. 21.
- Plastering base. C. Merryweather. 1,979,701; Nov. 6.
- Plastering, Dampproofing. W. H. Brooks. 1,965,385; July 3.
- Plastering machine. G. E. Westberg and L. E. McCormack. 1,954,005; Apr. 10.
- Plastering unit, Preformed. E. W. Wilke. 1,975,242; Oct. 2.
- Plasters, Producing lime-gypsum. S. McAnally. 1,967,959; July 24.
- Plastic. T. J. Fairley. 1,964,848; July 3.
- Plastic. W. A. Hamor and W. W. Duecker. 1,959,026; May 15.
- Plastic. F. D. Snell. 1,964,088; June 26.
- Plastic and color decorating, Combination. A. B. Heinsbergen. 1,985,725; Dec. 25.
- Plastic articles, Making. M. Shank. 1,974,219; Sept. 18.
- Plastic composition. N. S. Archetti. 1,981,769; Nov. 20.
- Plastic composition. L. J. De Holczer. 1,967,292; July 24.
- Plastic composition. F. Groff. 1,966,856; July 17.
- Plastic composition. V. L. Pistocco. 1,973,964; Sept. 18.
- Plastic composition for the manufacture of conduits and other articles of manufacture by extrusion, Preparing a. G. S. Thurman and K. T. Romie. 1,977,158; Oct. 16.
- Plastic compositions, Manufacturing. C. J. Malm and C. R. Fordyce. 1,973,493; Sept. 11.
- Plastic masses containing cellulose esters. R. Müller and A. Lubke. 1,967,421; July 24.
- Plastic material, Apparatus for molding. V. G. Apple. 1,982,279; Nov. 27.
- Plastic material, Apparatus for molding. R. W. Dinzel. 1,958,422; May 15.
- Plastic material, Apparatus for molding articles from. W. G. Lawson. 1,969,083; Aug. 7.
- Plastic material, Mechanism for molding. R. W. Cross. 1,958,184; May 8.
- Plastic material upon a wooden pile, Apparatus for forming a covering or sleeve of. P. D. Hay. 1,947,413; Feb. 13.
- Plastic materials, Method of and apparatus for shaping. M. Low. 1,965,603; July 10.
- Plastic materials of shrinkage stresses, Method and apparatus for relieving. R. H. Gerke. 1,973,059; Sept. 11.
- Plastic, Olefin-polysulphide. J. C. Patrick. Re19,207; June 12.
- Plastic or coating composition. A. O. Jaeger. 1,941,474; Jan. 2.
- Plastic products, Apparatus for dispensing. E. Schutte and O. Balzer. 1,961,173; June 5.
- Plastic products, Producing. L. R. Jones. 1,961,588; June 5.
- Plastic refractory, Preparing and applying. J. E. Anderson. 1,983,589; Dec. 11.
- Plastic sheeting, Producing. P. W. Crane and R. T. Fields. 1,956,564; May 1.
- Plastic structure, Reinforced. A. Dickson. 1,976,011; Oct. 9.
- Plasticizer. A. O. Jaeger. 1,978,710; Oct. 30.
- Plasticizer. A. H. French and L. O. Gill. 1,985,368; Dec. 25.
- Plastics. W. A. Hamor and W. W. Duecker. 1,981,232; Nov. 20.
- Plastics, Cellulose aralkyl ether. L. Lilienfeld. 1,960,641; May 29.
- Plastics, Coloring cellulose ester. R. O. Wood. 1,966,327; July 10.
- Plastometer. W. L. Shearer. 1,973,297; Sept. 11.
- Plate. J. Bergner. Des. 91,643; Mar. 6.
- Plate-and-frame-assembling means. N. Rippen. 1,954,599; Apr. 10.
- Plate and pan lifter. D. H. Russell. 1,973,269; Sept. 11.
- Plate, Cake. W. J. De Reamer. 1,961,342; June 5.
- Plate, Cake. E. O. Steudel. 1,979,911; Nov. 6.
- Plate, Carry iron wearing. E. P. Kinne. 1,983,616; Dec. 11.
- Plate changer. H. F. Waite. 1,945,241; Jan. 30.
- Plate cleaning machine, Metal. A. Hornel. 1,945,274; Jan. 30.
- Plate clutch. G. E. Stanley. 1,958,319; May 8.
- Plate edges, Apparatus for upsetting. J. H. Taylor. 1,963,724; June 19.
- Plate finishing machine, Stereotype. G. E. Pancoast. 1,960,752; May 29.
- Plate for caskets, Corner. J. E. Burkard. 93,002; Aug. 14.
- Plate for caskets, Corner. Z. H. Jammé. Des. 93,020; Aug. 14.
- Plate for dancing shoes. M. A. Feinstein. Des. 92,395; June 5.
- Plate for ice-cream cabinets and the like, Protection. H. D. Geyer. 1,953,168; Apr. 3.
- Plate for line printing and producing same. M. M. Leftwich. 1,963,411; June 19.
- Plate for supporting bus bars in a bus duct system. W. H. Frank. Des. 92,244; May 15.
- Plate glass polishing block. R. A. Miller. 1,946,355; Feb. 6.
- Plate glass surfacing table. J. Soderberg. 1,973,733; Sept. 18.
- Plate glass surfacing table. J. Soderberg. 1,983,009; Dec. 4.
- Plate heat exchanger. H. Feldmeier. 1,972,379; Sept. 4.
- Plate holding means for printing presses. A. J. Horton. 1,985,628; Dec. 25.
- Plate holding means for printing presses. J. R. Tomlin. 1,985,627; Dec. 25.
- Plate hook. J. W. Merriam. 1,957,107; May 1.
- Plate, Ice chipper. T. E. Fischer. 1,972,735; Sept. 4.
- Plate-locking mechanism. H. A. W. Wood. 1,945,671; Feb. 6.
- Plate, Luncheon. W. A. Schurmann. 1,943,698; Jan. 16.
- Plate, Notch. P. J. Stearns. 1,946,720; Feb. 13.
- Plate or analogous article. L. Froelich. Des. 93,467; Oct. 2.
- Plate or analogous article. A. Reisner. Des. 93,131; Aug. 21.
- Plate or article of analogous nature. F. Poppenhauser. Des. 91,398-9; Jan. 23.
- Plate or article of similar nature, Glass. R. C. Irwin. Des. 92,248; May 15.
- Plate or similar article. Y. Buma. Des. 91,602; Feb. 27.
- Plate or similar article. F. J. Cuthbertson. Des. 93,459; Oct. 2.
- Plate or similar article. A. Duhrssen. Des. 91,924; Apr. 10.
- Plate or similar article. A. Eckert. Des. 91,455; Feb. 6.
- Plate or similar article. J. E. Goodwin. Des. 93,216-17; Sept. 4.
- Plate or similar article. K. Hippmann. Des. 92,307; May 22.
- Plate or similar article. D. Johnson. Des. 92,604; June 26.
- Plate or similar article. B. N. Kane. Des. 92,807-8; July 17.
- Plate or similar article. G. Kolb. Des. 92,849; July 24.
- Plate or similar article. R. L. Marwede. Des. 91,633; Feb. 27.
- Plate or similar article. A. E. Mayer. Des. 91,892; Apr. 3.
- Plate or similar article. B. F. Perkins. Des. 93,240; Sept. 4.
- Plate or similar article. G. Staelin. Des. 93,187; Aug. 28.
- Plate or similar article. W. J. Thrower. Des. 93,897; Nov. 20.
- Plate or similar article. G. Wesp. Des. 92,381; May 29.
- Plate, Paper, fiber, and like. A. Bothe. 1,960,407; May 29.
- Plate printing machine, Rotary steel. P. Aitchison. 1,968,980; Aug. 7.
- Plate setting means for rotary printing presses. R. A. Brown. 1,965,216; July 3.
- Plate turning machine, Automatic. K. A. Weber. 1,958,525; May 15.
- Plate valve. W. E. Bebbington. 1,971,171; Aug. 21.
- Platen and paper feed for typewriters and the like. C. E. Ansley. 1,947,450; Feb. 20.
- Platen for tape printing machines. J. F. Porter. 1,949,878; Mar. 6.
- Platen roll, Writing machine. J. Q. Sherman. 1,974,368; Sept. 18.
- Plater attachment for vehicles. E. V. Collins. 1,972,703; Sept. 4.
- Plates and inner container therefor, Packing tin and like. N. Bishop and E. R. Garrod. 1,965,214; July 3.
- Plates, Apparatus for handling. H. E. McCrery. 1,982,876; Dec. 4.
- Plates of different metals, Device for introducing superposed. F. Jordan. 1,955,072; Apr. 17.
- Plates, Packing tin. H. S. Gifford. 1,975,841; Oct. 9.
- Plates, Stacking loaded butter cube. J. Osherman and C. H. Marsh. 1,944,827; Jan. 23.
- Platform attachment for stepladders. V. N. Lebre. 1,981,423; Nov. 20.
- Plating, Apparatus for. K. T. Potthoff. 1,959,764; May 22.
- Plating fixture. P. P. Hale. 1,963,363; June 19.

- Plating machine, Automatic return type. V. Finston and C. G. Miller. 1,970,447; Aug. 14.
- Plating machines, Work-carrying arm for. A. W. Ritter. 1,956,625; May 1.
- Plating mechanism for knitting machines, Reverse. H. H. Holmes and R. H. Robinson. 1,950,405; Mar. 13.
- Plating rack. J. N. Kelly. 1,970,459; Aug. 14.
- Platform, Adjustable aerial. T. C. Smith, A. E. Freeman, and W. T. Livermore. 1,967,376; July 24.
- Platform, Extensible. H. K. Holden. 1,947,647; Feb. 20.
- Platform for use with ladders, etc. L. M. Richard. 1,943,626; Jan. 16.
- Platform of passenger cars. J. L. Delpini and J. Taraborrelli. 1,954,404; Apr. 10.
- Platform, Stabilizing. F. D. W. Searing. 1,970,630; Aug. 21.
- Platinum catalysts, Purification and regeneration of. E. S. Ridler. 1,980,829; Nov. 13.
- Platinum metals, Electrodeposition of. E. M. Wise. 1,970,950; Aug. 21.
- Platter, Food. E. J. B. La Lumiere. Des. 92,850; July 24.
- Playground apparatus. A. B. Horne. Des. 93,825; Nov. 13.
- Playground apparatus. W. H. Shaffert. 1,984,767; Dec. 18.
- Playhouse. D. M. Warren. 1,984,666; Dec. 18.
- Play pen. F. R. Fischer. 1,950,603; Mar. 13.
- Playing card holder. R. E. Keller. Des. 92,357; May 29.
- Playing card holder. F. G. McPherson. 1,955,340; Apr. 17.
- Playing surface. E. J. Winkleman. 1,970,639; Aug. 21.
- Playing table. A. E. Anderson. 1,970,877; Aug. 21.
- Player for stringed instruments, Mechanical. E. W. Bach. 1,946,827; Feb. 13.
- Pliers. R. Choate. 1,983,519; Dec. 11.
- Pliers. H. H. Manning. Des. 94,156; Dec. 25.
- Pliers. D. G. Morse. Des. 92,822; July 17.
- Pliers. C. E. Smith. 1,970,983; Aug. 21.
- Pliers, Electric bulb. C. G. Smith. 1,983,411; Dec. 4.
- Pliers, Stapling. F. A. Wilkins. 1,959,888; May 22.
- Plies, Apparatus for cutting and assembling. G. K. McNeill. 1,948,000; Feb. 20.
- Plotting board. J. Mesick. 1,980,422; Nov. 13.
- Plotting device. J. C. Karnes. 1,949,422; Mar. 6.
- Plow. O. B. Clark. 1,965,575; July 10.
- Plow. E. A. Davis. 1,948,961; Feb. 27.
- Plow. P. Hansmann. 1,975,271; Oct. 2.
- Plow. L. C. Hester. 1,941,940; Jan. 2.
- Plow. A. Mahan. 1,965,927; July 10.
- Plow. W. Parsons. 1,985,618; Dec. 25.
- Plow. T. and E. T. Parvu. 1,954,223; Apr. 10.
- Plow. A. Schrader. 1,969,859-60; Aug. 14.
- Plow. W. H. Silver. 1,944,674; Jan. 23.
- Plow. C. G. Strandlund. 1,954,150; Apr. 10.
- Plow. C. G. Strandlund. 1,954,151; Apr. 10.
- Plow. C. and L. Theiler. 1,951,072; Mar. 13.
- Plow and cultivator, Combination grass. J. E. Wyatt. 1,956,186; Apr. 24.
- Plow, Lever. H. H. Glasier. 1,978,492; Oct. 30.
- Plow, Reversible gang. A. Birrer. 1,945,930; Feb. 6.
- Plow, Reversible sulky. R. B. Claghorn. 1,966,027; July 10.
- Plow, Tractor. W. L. Beall. 1,952,486; Mar. 27.
- Plows, Side shift for tractor. D. W. Decker. 1,964,976; July 3.
- Plowshare and forming a wear-resistant nose and cutting edge thereon. P. C. Jones. 1,972,192; Sept. 4.
- Plug: See—
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| Attachment plug. | Incandescent wire ignition plug. |
| Auxiliary meter plug. | Indicating fuse plug. |
| Casing plug. | Magnetic plug. |
| Carbonproof plug. | Oil well plug. |
| Charging plug. | Pump-down plug. |
| Clean-out plug. | Radio spark plug. |
| Contact plug. | Renewable fuse plug. |
| Crank case drain plug. | Renewable spark plug. |
| Drain plug. | Revolving test plug. |
| Electric contact plug. | Safety filler plug. |
| Electric plug. | Separable plug. |
| Electric safety plug. | Signal fuse plug. |
| Electric service plug. | Spark plug. |
| Electrical appliance plug. | Tank truck filling plug. |
| Electrical connecting plug. | Wall plug. |
| Fuse plug. | Well tubing plug. |
| Fusible blow-out plug. | |
- Plug. J. N. Maus and H. J. Roberts. 1,954,252; Apr. 10.
- Plug and operating mechanism, Basin waste. W. Baxter. 1,980,250; Nov. 13.
- Plug and receptacle, Multiple. W. F. Cassidy, jr. 1,978,076; Oct. 23.
- Plug and socket connection, Electrical. C. H. Reynolds. 1,933,675; Dec. 11.
- Plug cap, Attachment. G. B. Benander. 1,974,297; Sept. 18.
- Plug cap, Attachment. A. H. Massey. 1,941,612; Jan. 2.
- Plug cock and lubricating means therefor. J. C. Martin, jr. Re19,041; Jan. 9.
- Plug connector. D. F. Andrews. 1,969,345; Aug. 7.
- Plug connector for electrical appliances. J. W. Comiskey. 1,981,854; Nov. 27.
- Plug connection and terminal box, Electric. P. Christ. 1,977,043; Oct. 16.
- Plug connection, Electrical. R. A. Klingberg. 1,964,471; June 26.
- Plug construction, Electric. A. E. Grant. 1,943,958; Jan. 16.
- Plug construction, Electric. A. E. Grant. 1,961,484; June 5.
- Plug deflector, Return bend. L. A. Mekler. 1,946,945; Feb. 13.
- Plug device, Electrical. L. P. Clark, jr. 1,979,958; Nov. 6.
- Plug device, Electrical. R. B. Hill. Des. 94,143; Dec. 25.
- Plug for a container containing a liquid, Vent. J. L. Woodbridge. 1,942,630; Jan. 9.
- Plug for boilers, Safety. R. G. Denk and W. F. Petty. 1,954,285; Apr. 10.
- Plug for internal combustion engines, Glow. H. I. A. Dornier. 1,957,762; May 8.
- Plug for internal combustion engines, Sparking. D. H. Corbin. 1,950,596; Mar. 13.
- Plug for internal combustion engines, Sparking. G. E. Woods-Humphrey and H. L. Hall. 1,943,674; Jan. 16.
- Plug for punch presses and the like, Hold-down. J. A. Weber. 1,982,488; Nov. 27.
- Plug for storage batteries, Vent. E. Graf. 1,942,643; Jan. 9.
- Plug for storage batteries, Vent. E. Graf. 1,942,645; Jan. 9.
- Plug for use with a bus duct run. W. H. Frank. Des. 92,530; June 19.
- Plug for use with a bus duct run, Swing. W. H. Frank. Des. 92,168; May 8.
- Plug inserting apparatus, Friction. A. E. Almgren. 1,972,858; Sept. 11.
- Plug or connector, Universal electric. J. E. Morris. 1,953,864; Apr. 3.
- Plug or mandrel, Expanding. J. J. Dunn. 1,951,087; Mar. 13.
- Plug receptacle. G. B. Benander. 1,969,544; Aug. 7.
- Plug tester, Spark. H. Rabezzana. 1,957,802; May 8.
- Plug tester, Spark. H. Rabezzana and R. L. Phelps. 1,957,803; May 8.
- Plug testing device, Spark. H. Rabezzana. 1,957,801; May 8.
- Plug valve body. S. J. Nordstrom. Des. 92,487-9; June 12.
- Plug valve body. S. J. Nordstrom. Des. 94,044-5; Dec. 11.
- Plug with automatic cleaning means for internal combustion engines, Sparking. E. E. Junod-Schubert. 1,952,948; Mar. 27.
- Plug with prongs in cap, Electric service. A. S. McCloy and S. F. French. 1,981,458; Nov. 20.
- Plugging and accelerating control. H. D. James. 1,976,614; Oct. 9.
- Plugging contact. H. E. Cox, M. C. I. Hunter, and F. A. Tuck. 1,966,234; July 10.
- Plugging control for electric motors. P. D. Crout. 1,975,829; Oct. 9.
- Plugging device. M. M. Kinley. 1,979,802; Nov. 6.
- Plugs, Arrangement for testing spark. E. L. Grangler and F. Niogret. 1,976,983; Oct. 16.
- Plum. J. B. Thompson. Pl. Pt. 111; Nov. 13.
- Plumb, Adjustable. J. Woods. 1,957,123; May 1.
- Plumb bob. A. J. McLaws. 1,949,652; Mar. 6.
- Plumb bob, Wind-proof. P. Deasy. 1,952,745; Mar. 27.
- Plumbing connection, Sanitary. J. Simpson. 1,944,850; Jan. 23.
- Plumbing fixture. S. W. Davison and M. J. Thompson. 1,947,250; Feb. 13.
- Plumbing fixture. E. F. Niedecken. 1,960,278; May 29.
- Plumbing fixture. W. W. Potter. Des. 91,439; Jan. 30.
- Plumbing fixture. J. Tjaarda. Des. 92,687; July 3.
- Plumbing fixture. H. Van Der Horst. 1,982,555; Nov. 27.
- Plumbing fixture hanger, Movable and adjustable. O. Witzleb. 1,947,369; Feb. 13.
- Plumbing installation. G. W. Haire. 1,946,207; Feb. 6.
- Plumbing solutions. M. P. Kirk. 1,977,993; Oct. 23.
- Plunger and screen for hydraulic underreamers. C. E. Burt. 1,981,262; Nov. 20.
- Plunger, Batter dispensing. R. T. Ganary. Des. 92,462; June 12.
- Plunger for hypodermic syringes. H. O. West. 1,961,023; May 29.
- Plunger lift control device. H. T. Baggett. 1,947,511; Feb. 20.
- Plunger lift valve closing device. H. W. Fletcher. 1,947,587; Feb. 20.
- Plunger pump. E. Schaeren. 1,963,679; June 19.
- Fly-board, Making. C. B. Woodward, R. B. Keefe, and E. W. Colt. 1,976,055; Oct. 9.
- Plywood container. A. Quimby and S. J. Antworth. 1,981,466; Nov. 20.
- Plywood container. A. Quimby and S. J. Antworth. 1,982,233; Nov. 27.
- Plywood joining machine. A. R. Welch. 1,977,660; Oct. 23.
- Pneumatic and like tool. J. Arthur. 1,969,539; Aug. 7.
- Pneumatic bumper cover. G. F. Stamand. 1,978,769; Oct. 30.
- Pneumatic clutch. A. A. Hodgkins. 1,969,462; Aug. 7.
- Pneumatic crutch pad. C. M. Fallon. 1,980,044; Nov. 6.
- Pneumatic cushion rail wheel, Self-centerable. M. Howald. 1,977,387; Oct. 16.
- Pneumatic dispatch apparatus. J. J. Stoetzel. 1,944,769; Jan. 23.
- Pneumatic dispatch system. C. T. Cutting. 1,963,779; June 19.

- Pneumatic dispatch system. C. S. Jennings. 1,952,549; Mar. 27.
- Pneumatic dispatch system. C. S. Jennings. 1,971,142; Aug. 21.
- Pneumatic dispatch system. C. S. Jennings and F. R. Taisey. 1,979,801; Nov. 6.
- Pneumatic dispatch system. F. R. Taisey. 1,965,933; July 10.
- Pneumatic dispatch tube. M. L. Emerson. 1,951,820; Mar. 20.
- Pneumatic dispatch tube apparatus. J. T. Needham. 1,972,272; Sept. 4.
- Pneumatic engine. P. R. Forman. 1,942,543; Jan. 9.
- Pneumatic inner tube. C. Bradley. 1,979,249; Nov. 6.
- Pneumatic inner tube. A. D. Robertson. 1,975,802; Oct. 9.
- Pneumatic jack. P. M. Kelly. 1,955,635; Apr. 17.
- Pneumatic motor. C. S. Tankersley. 1,970,826; Aug. 21.
- Pneumatic receiving valve. L. N. Hampton and O. N. Giertsen. 1,952,859; Mar. 27.
- Pneumatic rotary motor. R. A. Norling. 1,977,691; Oct. 23.
- Pneumatic spring. R. Sefton. 1,950,013; Mar. 6.
- Pneumatic stop detector. A. E. Hudd. 1,972,301; Sept. 4.
- Pneumatic suspension device. D. F. O. Wesemeyer. 1,969,490; Aug. 7.
- Pneumatic tool. A. J. Sgonina. 1,976,524; Oct. 9.
- Pocket. U. G. Charles. 1,942,410; Jan. 9.
- Pocketbook. M. Berkowitz. 1,983,266; Dec. 4.
- Pocketbook. J. Filipowicz. 1,980,133; Nov. 6.
- Pocketbook. R. Hogg. 1,959,675; May 22.
- Pocketbook, Fitted. F. N. Lewis. Des. 93,985; Dec. 4.
- Pocketbook frame. C. J. McCabe. 1,977,855; Oct. 23.
- Pocket construction. T. Vaccaro. 1,970,110; Aug. 14.
- Pocket cryptographic apparatus. A. Gentet. 1,956,384; Apr. 24.
- Pocket for garments. H. Heile. 1,982,100; Nov. 27.
- Pocket, Glove. B. Hines. 1,982,431; Nov. 27.
- Pocket gopher trap. W. Barrett. 1,972,641; Sept. 4.
- Pocketknife. A. Kowald. 1,965,291; July 3.
- Pocket receptacle, Flexible. W. R. Buxton. Des. 91,646-7; Mar. 6.
- Pocket receptacle, Flexible. W. R. Buxton. Des. 91,920; Apr. 10.
- Pocket receptacle, Flexible. W. R. Buxton. Des. 92,288; May 22.
- Pocket receptacle, Flexible. W. R. Buxton. Des. 93,701; Oct. 30.
- Pocket receptacle, Flexible. W. R. Buxton. 1,944,635; Jan. 23.
- Pocket receptacle, Flexible. W. R. Buxton. 1,966,430; July 17.
- Pointer type course indicator. F. W. Dunmore. 1,980,589; Nov. 20.
- Pointing and extruding machine, Combined. H. C. Ellison. 1,972,293; Sept. 4.
- Poison powder distributor. A. A. Tatum. 1,968,541; July 31.
- Poisons from fruits and vegetables, Removal of residual. A. M. Henry. 1,967,176; July 17.
- Poisons from fruits and vegetables, Removal of residual. A. M. Henry. 1,975,361; Oct. 2.
- Poker, Combination. E. H. Wolfe. 1,981,491; Nov. 20.
- Polariscope. S. M. Gray. 1,959,785; May 22.
- Polarity indicating apparatus. L. J. Buttolph. 1,971,899; Aug. 28.
- Polarized duplex receptacle. G. E. Blinn. 1,954,375; Apr. 10.
- Polarizing body. E. H. Land. 1,956,867; May 1.
- Pole changer. J. Shaver. 1,960,960; May 29.
- Pole clamp. J. J. MacDonald. 1,943,766; Jan. 16.
- Pole construction, Metal. C. E. Knutsen. 1,953,488; Apr. 3.
- Pole electric coin selector, Shaded. W. K. Klose. 1,953,414; Apr. 3.
- Pole holder. E. M. Hammer. 1,963,463; June 19.
- Pole line connector, Multiple. H. A. Douglas. 1,950,717; Mar. 13.
- Pole peeling and shaping machine. R. H. White, jr. and E. R. Gillon. 1,943,649; Jan. 16.
- Pole planing machine. H. E. and F. L. Oeser. 1,955,437; Apr. 17.
- Pole reinforcement. P. Hogan. 1,950,677; Mar. 13.
- Pole, Sectional range. E. L. Miner and C. M. Leatherman. 1,976,264; Oct. 9.
- Poles, Preserving. D. A. Quarles. 1,981,664; Nov. 20.
- Polish composition. L. Bevis. 1,961,031; May 29.
- Polisher. J. G. Partlow. 1,954,489; Apr. 10.
- Polisher for rolls, Automatic. W. W. Leach. 1,977,001; Oct. 16.
- Polisher, Roll. M. L. Hunker and J. M. Miller. 1,956,953; May 1.
- Polisher with reservoir. A. G. Decker. 1,952,910; Mar. 27.
- Polishing apparatus. J. L. Drake. 1,982,648; Dec. 4.
- Polishing block and rig, Automatic. E. H. Wahlert. 1,971,023; Aug. 21.
- Polishing device. S. R. Bell. 1,944,395; Jan. 23.
- Polishing device. J. C. Lecuona. 1,948,423; Feb. 20.
- Polishing device for printing press rollers. E. L. Cecil. 1,952,655; Mar. 27.
- Polishing device, Shoe. C. C. Huitt and W. L. Parrott. 1,969,268; Aug. 7.
- Polishing machine. H. M. Brown, I. E. Estler, and C. J. Neuhaus. 1,959,900; May 22.
- Polishing machine. J. P. Buckley. 1,962,135; June 12.
- Polishing machine. J. H. Hunter. 1,950,555; Mar. 13.
- Polishing machine. M. Lucey. 1,981,654; Nov. 20.
- Polishing machine, Portable. F. R. Feenan. 1,957,823; May 8.
- Polishing material, Floor. A. E. Moorhead. 1,947,135; Feb. 13.
- Polishing or buffing wheel. D. H. Ross and L. J. Nook. 1,954,263; Apr. 10.
- Pollination, Promoting. W. C. Coryell. 1,975,536; Oct. 2.
- Polyhalite, Treating. H. Friedrich. 1,946,068; Feb. 6.
- Polyhalite, Treating. E. P. Schoch. 1,981,125; Nov. 20.
- Polyhalite with calcium carbonate, Treating. E. P. Schoch. 1,956,930; May 1.
- Polymerization products, Production of. M. Wittwer. 1,976,678; Oct. 9.
- Polymerization reactions, Initiating. P. J. Wiezevich and J. M. Whitely, jr. 1,981,819; Nov. 20.
- Polymers and producing same, Halogenated butadiene. W. H. Carothers and J. E. Kirby. 1,950,439; Mar. 13.
- Polymers of halogenated hydrocarbons and preparing same. W. H. Carothers and A. M. Collins. 1,950,432; Mar. 13.
- Polymers, Preparation of. I. Williams and H. W. Walker. 1,950,442; Mar. 13.
- Polyphase converter-generator. L. G. Pooler. 1,955,471; Apr. 17.
- Polyphase meter. R. G. Jones. 1,960,848; May 29.
- Polypheyls, Manufacture of. W. H. Williams. 1,976,468; Oct. 9.
- Polysulphide and organic compound reaction product and process, Soluble. J. C. Patrick. 1,962,460; June 12.
- Pontoon deck, Open compartment. A. A. Kramer. 1,976,734; Oct. 16.
- Pontoon floating deck for tanks. A. A. Kramer. 1,979,272; Nov. 6.
- Pool construction. R. R. Rand, jr. 1,971,835; Aug. 28.
- Pool, Recreation. F. B. Hunter. 1,979,623; Nov. 6.
- Pool, Swimming. W. H. Eichelman and E. E. Hall. 1,963,405; June 19.
- Popcorn machine. J. R. Burch. 1,961,812; June 5.
- Popgun. A. G. Brandt. 1,956,189; Apr. 24.
- Popgun barrel. A. J. Decker and J. Gora. 1,979,963; Nov. 6.
- Popper stirrer, Corn. W. E. Gundelfinger. 1,974,611; Sept. 25.
- Poppet valve lifter, Engine. R. G. Denk and A. E. Britton. 1,970,646; Aug. 21.
- Porcelain, Spark plug. H. M. Brewster. 1,980,182; Nov. 13.
- Pork loins, Branding. C. P. Cook. 1,964,455; June 26.
- Pork loins, Method for branding. C. P. Cook. 1,969,208; Aug. 7.
- Porous bodies from fibrous materials, Apparatus for manufacturing. K. Erdmann. 1,953,704; Apr. 3.
- Porous material with solid substances, Impregnating. A. Winogradow. 1,945,714; Feb. 6.
- Porous objects, Impregnating. I. Williams. 1,967,275; July 24.
- Porous textile fabric. E. v. Asten. 1,964,419; June 26.
- Portable adjustable bar. I. Copeland. 1,944,405; Jan. 23.
- Portable bar. R. W. Jackson. 1,985,412; Dec. 25.
- Portable beverage container. J. Dolan. 1,954,728; Apr. 10.
- Portable boom support. J. E. Jenkins. 1,942,925; Jan. 9.
- Portable bucket elevator. O. B. Jones. 1,955,238; Apr. 17.
- Portable clamp. G. C. Mueller. 1,952,453; Mar. 27.
- Portable cooler. A. C. Durdin, 3d. 1,943,857; Jan. 16.
- Portable drier. C. V. Hallenbeck. 1,982,250; Nov. 27.
- Portable electric drill. A. G. Decker. Des. 92,590; June 26.
- Portable electric lamp. R. E. Hochon. 1,978,202; Oct. 23.
- Portable electric tool. J. C. Robb. 1,965,669; July 10.
- Portable elevator, Self loading. J. M. Johnson and H. L. Sinclair. 1,947,264; Feb. 13.
- Portable fender tool. E. L. Connell. 1,952,908; Mar. 27.
- Portable fountain. O. H. Rives. 1,962,840; June 12.
- Portable grease pump. C. Harris and C. G. Butler. 1,981,507; Nov. 20.
- Portable hand lamp. C. S. McGill. 1,953,623; Apr. 3.
- Portable heater. L. W. Child. 1,978,413; Oct. 30.
- Portable lamp. S. F. Voorhees. 1,966,569; July 17.
- Portable magnetic separator. R. A. Shingshang. 1,958,351; May 8.
- Portable mill. L. F. Yender. 1,960,836; May 29.
- Portable motor. S. N. Sells. 1,981,076; Nov. 20.
- Portable power tool. A. W. Mail. 1,971,790; Aug. 28.
- Portable pressure gauge. R. B. Wasson. 1,950,532; Mar. 13.
- Portable rack. C. Brykczynski and J. Chmurzynski. 1,971,744; Aug. 28.
- Portable receptacle. A. Halpin. 1,979,263; Nov. 6.
- Portable receptacle. R. Herrmann. 1,962,594; June 12.
- Portable receptacle. R. Herrmann. 1,980,683; Nov. 13.
- Portfolio. A. Kaufmann. 1,983,036; Dec. 4.
- Portfolio. B. and F. L. Smith. 1,949,496; Mar. 6.
- Portfolio lock. K. A. Franzen. 1,968,756; July 31.
- Position control system. A. P. Davis. 1,977,624; Oct. 23.
- Position indicating mechanism, Automatic. J. E. Miller. 1,977,772; Oct. 23.
- Position indicator. J. Eaton. 1,961,037; May 29.
- Position, Method and apparatus for determining. W. S. Eaton. 1,965,098; July 3.
- Positioning means for drilling machines. J. W. Brown, jr. 1,946,421; Feb. 6.
- Positioning mechanism, Automatic. C. B. de Vlieg. 1,981,224; Nov. 20.

- Positioning member for valve mechanisms. J. C. Crowley. 1,956,981; May 1.
- Positive check valve. R. W. Thomas. 1,967,981; July 24.
- Positive drive differential. H. C. Moffett. 1,968,801; July 31.
- Positive friction clutch. D. M. Winans. 1,978,975; Oct. 30.
- Positive pressure clip. J. G. Jackson. 1,953,806; Apr. 3.
- Post: See—
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| Anchoring post. | Lamp post. |
| Binding post. | Metallic fence post. |
| Fastener post. | Metallic post. |
| Fence post. | Self driving post. |
- Post and end plate, Cast metal corner. A. E. Small. 1,963,155; June 19.
- Post binder for loose leaf sheets. J. Schade. 1,983,779; Dec. 11.
- Post brake beam. L. E. Zerbe. 1,963,344; June 19.
- Post clamp. O. Christoffersen. 1,959,230; May 15.
- Post for garbage receptacles. J. Brandstetter. 1,961,922; June 5.
- Post mounting, Slat fence. J. E. Eckel. 1,956,757; May 1.
- Post terminal, Binding. S. S. Stolp. 1,979,582; Nov. 6.
- Postage stamping and registering device. E. W. Andrews. 1,962,729; June 12.
- Postal franking machine. H. Klüssendorf. 1,961,107; May 29.
- Pot and support, Plant. W. Polgar. 1,942,975; Jan. 9.
- Pot construction, Galvanizing. P. Gray. 1,974,610; Sept. 25.
- Pot holder. H. I. Snyder. Des. 92,044; Apr. 17.
- Pot or similar article. G. N. Allen, M. G. Parker, and L. E. Resegger. Des. 92,445; June 12.
- Pot, Sauce. A. de Sakhnofsky. Des. 92,039; Apr. 17.
- Pot, Thermostatic wax. H. E. Dow. 1,962,007; June 5.
- Potassium bicarbonate and magnesium carbonate trihydrate from engel salt, Making. F. Rusberg. 1,967,630; July 24.
- Potassium borate, Manufacture of. A. Newman. 1,961,073; May 29.
- Potassium nitrate and ammonium sulphate, Simultaneous production of. A. Holz. 1,964,158; June 26.
- Potassium salts from minerals, Recovering. E. P. Partridge, and F. Frass. 1,975,798; Oct. 9.
- Potato chip cutter. J. C. Curdie. 1,946,193; Feb. 6.
- Potato cutting machine. J. H. Russell. 1,941,720; Jan. 2.
- Potato having the skin removed with fumes of burning sulphur to bleach, preserve, and to prevent discoloration, Treating an Irish. C. D. Draper. 1,948,877; Feb. 27.
- Potato harvesting apparatus. L. Stoltenberg. 1,953,317; Apr. 3.
- Potato harvesting apparatus. L. Stoltenberg. 1,960,857; May 29.
- Potato peeling machine. F. J. and F. J. Palombo, jr. 1,945,978; Feb. 6.
- Potato rack. V. Foch. 1,969,601; Aug. 7.
- Potato to remove the corky layer and the product thereof, Treating an Irish. S. A. Patterson. 1,948,884; Feb. 27.
- Potential supply for electric-discharge devices, Constant. L. V. Philpott. 1,966,216; July 10.
- Potentiometer. R. H. Langley. 1,944,329; Jan. 23.
- Potentiometer. R. K. Winning and E. Sinner. 1,960,611; May 29.
- Potentiometric indicator. R. W. Gilbert. 1,972,141; Sept. 4.
- Pothed. A. O. Austin. 1,983,336; Dec. 4.
- Pothed. P. P. Pipes. 1,978,867; Oct. 30.
- Pothed device. C. W. Sward. 1,943,247; Jan. 9.
- Pothed or terminal for electric cables. F. C. Meyer and G. E. Moffitt. 1,941,614; Jan. 2.
- Pothed terminal. E. F. W. Salisbury. 1,977,808; Oct. 23.
- Pottery ware, Apparatus for manufacturing. F. H. Sebring, jr., L. C. Loschky, and J. T. Pugh. 1,977,699; Oct. 23.
- Pouch and the like, Tobacco. E. G. Clements and S. E. Spector. 1,963,828; June 19.
- Pouch, Powder puff. E. Hammerling. 1,981,545; Nov. 20.
- Poultry bleeder and braining device. T. Field. 1,970,294; Aug. 14.
- Poultry-dressing machine. E. D. Jansen. 1,943,077; Jan. 9.
- Poultry feeder. C. E. Hedrick. 1,985,827; Dec. 25.
- Poultry fountain, Automatic. J. Jungferman. 1,971,719; Aug. 28.
- Poultry or fowl, Drawn and dressed. O. C. Botz. 1,980,904; Nov. 13.
- Poultry, Treatment of. L. S. Paddock. 1,976,412; Oct. 9.
- Poultry yard. R. Ellis. 1,972,554; Sept. 4.
- Pour point depressor. F. H. MacLaren. 1,963,918; June 19.
- Pour test depressor. F. H. MacLaren. 1,963,917; June 19.
- Pouring attachment for cans. J. R. Saxon. 1,952,288; Mar. 27.
- Pouring device. M. W. Goldberg. 1,957,061; May 1.
- Pouring device. L. Grundhand and J. MacDonald. 1,960,152; May 22.
- Powder and process of manufacture, Propellant. R. Burns, O. W. Strickland, and E. Whitworth. 1,963,116; June 19.
- Powder box. F. McIntosh. Des. 92,915; July 31.
- Powder box. F. R. Reutter. 1,942,935; Jan. 9.
- Powder container. E. N. Brown. Des. 92,160; May 8.
- Powder container. J. J. Vendel. 1,954,719; Apr. 10.
- Powder dispensing device. S. C. Stimson. 1,979,294; Nov. 6.
- Powder mixer. S. O. Claytor. 1,960,230; May 29.
- Powder mixing and spraying device. F. R. Maurer. 1,976,506; Oct. 9.
- Powder, Molding. K. Ripper. 1,951,772; Mar. 20.
- Powder, Producing bleaching. A. Remelé. 1,944,301; Jan. 23.
- Powder, Producing smokeless. H. M. Spurlin. 1,966,806; July 17.
- Powder, Producing smokeless. D. R. Wiggam. 1,965,362; July 3.
- Powder, Propellant. G. C. Hale. 1,963,992; June 26.
- Powder puff. W. T. Killian. 1,975,693; Oct. 2.
- Powder puff. M. Levy. 1,962,249; June 12.
- Powder puff. P. Parisot. 1,960,875; May 29.
- Powder puff and making the same. M. Levy. 1,962,248; June 12.
- Powder puffs, Apparatus for the manufacture of. R. Bihler. 1,947,285; Feb. 13.
- Powdered material, Apparatus for conveying. J. Ihlefeldt. 1,971,853; Aug. 28.
- Powdered material, Method and apparatus for spraying. P. P. Alexander. 1,971,804; Aug. 28.
- Powdered materials, Method and apparatus for spreading. R. W. Stanley. 1,949,980; Mar. 6.
- Powders and making same, Finely divided. R. L. Jenkins and T. W. Schibb. 1,972,447; Sept. 4.
- Powders, Making propellant. G. A. McBride. 1,955,927; Apr. 24.
- Powders, Making propellant. G. C. Tibbitts and F. R. Seavey. 1,967,913; July 24.
- Power adapter. P. J. Fitzgerald. 1,955,279; Apr. 17.
- Power amplifying positioning device. J. C. Albright. 1,972,852; Sept. 11.
- Power amplifying positioning device. P. S. Dickey. 1,962,677; June 12.
- Power amplifying positioning device. C. Johnson. 1,972,853; Sept. 11.
- Power and control therefor, Generating. W. M. Cross. 1,944,222; Jan. 23.
- Power apparatus. A. C. Rayburn. 1,944,999; Jan. 30.
- Power bending apparatus. C. L. Lewellen. 1,984,145; Dec. 11.
- Power cleaver. W. J. Campbell. 1,947,896; Feb. 20.
- Power control. A. D. Eller. 1,954,379; Apr. 10.
- Power control for a pneumatic tube carrier system. C. W. Grover. 1,973,954; Sept. 18.
- Power control for inductive load. P. E. Stogoff. 1,982,329; Nov. 27.
- Power control valve. P. G. Darling. 1,965,307; July 3.
- Power controlling apparatus. A. E. Church and G. C. Prime. 1,977,572; Oct. 16.
- Power controls. L. O. Bird and W. L. Adams. 1,965,364; July 3.
- Power. Device for accumulating. E. G. N. Salenius. 1,943,090; Jan. 9.
- Power directional system. E. R. Evans. 1,947,289; Feb. 13.
- Power distributing system. W. H. T. Holden. 1,949,570; Mar. 6.
- Power distributing system, Electric. C. A. Johnson. 1,941,863; Jan. 2.
- Power driven tool. W. H. Ray. 1,984,282; Dec. 11.
- Power driven tool, Portable. H. M. Rand. Des. 93,943; Nov. 27.
- Power dumping mechanism, Hydraulic. R. E. Smith. 1,983,051; Dec. 4.
- Power elevator for shaping machine work tables. W. F. Zimmermann. 1,960,566; May 29.
- Power factor correction. H. M. Lewis. 1,952,031; Mar. 20.
- Power factor correction, System and apparatus for. W. T. Kniesner. 1,951,733; Mar. 20.
- Power factor measurements in high tension cables. G. de Zoeten. 1,975,226; Oct. 2.
- Power generating machine, Electric. H. C. Walter and W. L. Nies. 1,983,718; Dec. 11.
- Power generating plants, especially electricity works, Device for regulating. T. Stein and G. Wünsch. Re19,114; Mar. 13.
- Power generator, Roadway. R. J. Mulvey. 1,950,993; Mar. 13.
- Power head for a pump. P. A. Myers. 1,942,611; Jan. 9.
- Power head for a pump. P. A. Myers. 1,943,139; Jan. 9.
- Power head for soot blowers, Automatic. F. C. Arey. 1,979,136; Oct. 30.
- Power, Hydraulic transmission of. T. W. Paterson. 1,979,570; Nov. 6.
- Power jet timing mechanism. E. Dodson. 1,951,927; Mar. 20.
- Power line for antennae. F. Gerth. 1,964,048; June 26.
- Power line protection, System for. L. F. Hunt and F. B. Doolittle. 1,965,896; July 10.
- Power line reactor. W. F. Cotter and M. E. Bond. 1,979,314; Nov. 6.
- Power loading device. J. C. Costello. 1,946,780 Feb. 13.
- Power machine. W. F. Brown. 1,958,843; May 15.
- Power mechanism. W. S. Gubelmann. 1,968,387; July 31.
- Power mechanism and cut-out device. H. I. Morris. 1,959,292; May 15.
- Power mechanism, Variable. H. G. Cole. 1,974,354; Sept. 18.
- Power mowing machine. P. J. Sommerfeldt. 1,957,620; May 8.

- Power operated mechanism. H. Jander. 1,976,402; Oct. 9.
- Power output indicator for high frequency apparatus. L. A. Gebhard. 1,957,454; May 8.
- Power output of a thermionic tube, Increasing the. F. B. MacLaren. 1,959,540; May 22.
- Power plant. K. Hamm and K. Beyrodt. 1,970,747; Aug. 21.
- Power plant. R. C. Hoffman. 1,947,045; Feb. 13.
- Power plant. A. Rosch. 1,969,526; Aug. 7.
- Power plant apparatus. C. P. Wetherbee and J. E. Burkhardt. 1,946,249; Feb. 6.
- Power plant, Binary fluid. R. C. Roe. 1,961,786-7; June 5.
- Power plant control. W. L. McGrath. 1,968,951; Aug. 7.
- Power plant, Duplex. S. L. Brown. 1,963,776; June 19.
- Power plant for vehicles, Portable. H. Holzwarth. 1,951,860; Mar. 20.
- Power plant, Gas turbine. B. E. G. Forsling. 1,978,837; Oct. 30.
- Power plant, Marine. W. B. Flanders. 1,943,860; Jan. 16.
- Power plant, Portable. E. Zaschka. 1,944,052; Jan. 16.
- Power plant, Two fluid. R. C. Roe. 1,961,788; June 5.
- Power plant with intermediate superheaters. H. Schult. 1,970,434; Aug. 14.
- Power press. K. Keck. 1,971,937; Aug. 28.
- Power press. C. F. Sherman. 1,954,652; Apr. 10.
- Power press. F. K. Simmons and C. F. Sherman. 1,954,653; Apr. 10.
- Power press control. H. C. H. Walsh and E. H. Hall. 1,947,892; Feb. 20.
- Power pressing machine. E. Davis and L. C. Kienzle. 1,947,191; Feb. 13.
- Power rectifying and speed control system for direct current motors. H. R. Behr. 1,970,507; Aug. 14.
- Power saving valve. J. G. MacLaren. 1,982,220; Nov. 27.
- Power supply. E. Klotz and E. Zepler. 1,965,655; July 10.
- Power supply system. P. E. Stogoff. 1,973,123; Sept. 11.
- Power supply system for electron tube systems. E. R. Hentschel. 1,942,551; Jan. 9.
- Power system. J. C. Barry. 1,969,495; Aug. 7.
- Power system. A. S. Lloyd. 1,957,893; May 8.
- Power system. J. W. McNairy. 1,949,216; Feb. 27.
- Power, System for distributing. M. J. De Mask. 1,982,152; Nov. 27.
- Power take-off and hoist adapted for tractors. C. L. Jordan. 1,956,766; May 1.
- Power take-off, Detachable. W. J. Coultas. 1,953,063; Apr. 3.
- Power take-off for motor vehicles. G. A. and E. F. Heus. 1,958,086; May 8.
- Power tool. W. W. Vosper. 1,943,643; Jan. 16.
- Power tractor condenser. W. Dubilier. 1,945,108; Jan. 30.
- Power transferring apparatus, Control of. R. F. Franklin. 1,961,039; May 29.
- Power transformation, Apparatus for. E. V. Cross. 1,978,990; Oct. 30.
- Power transformer, Electric. C. W. Galton. 1,965,739; July 10.
- Power transformer for radiofrequency work having a broad transmission range. A. Jaumann. 1,965,649; July 10.
- Power translating system, Electric. J. Bethenod. 1,967,857; July 24.
- Power translating system, Electric. C. H. Willis. 1,971,840; Aug. 28.
- Power transmission. R. L. Penney. 1,963,590; June 19.
- Power transmission. H. Rosenthal. 1,946,293-4; Feb. 6.
- Power transmission. H. Rosenthal. 1,950,520; Mar. 13.
- Power transmission and speed reduction system. M. B. Benson. 1,942,795; Jan. 9.
- Power transmission and timing control therefor, Hydraulic. C. J. and H. E. Winkler. 1,968,188; July 31.
- Power transmission apparatus. H. J. Renken. 1,953,132; Apr. 3.
- Power transmission, Automatic. A. H. Neuland. Re19,065; Jan. 30.
- Power transmission, Automatic. F. C. Reynolds. 1,972,107; Sept. 4.
- Power transmission chain. D. B. Perry. 1,947,734; Feb. 20.
- Power transmission chain, Mechanical. G. H. Tremolleres. 1,948,404; Feb. 20.
- Power transmission clutch. A. Schmid, H. Klein, A. Mattes, and A. Callsen. 1,958,070; May 8.
- Power transmission coupling. A. S. Lack. 1,947,052; Feb. 13.
- Power-transmission coupling. O. Simmen. 1,950,700; Mar. 13.
- Power transmission device. V. L. Davis. 1,950,598; Mar. 13.
- Power transmission device. W. L. Frampton. 1,983,901; Dec. 11.
- Power transmission device. A. T. Harris. 1,964,730; July 3.
- Power transmission device. G. E. Molyneux. 1,950,992; Mar. 13.
- Power transmission device. A. H. Neuland. Re19,063; Jan. 23.
- Power-transmission device. C. C. Palmer. 1,966,357; July 10.
- Power transmission device. G. C. Reeves. 1,980,437; Nov. 13.
- Power transmission device. T. H. Ryan. 1,983,641; Dec. 11.
- Power transmission device. R. Schweich. 1,975,733; Oct. 2.
- Power transmission device, Hydrodynamic. H. W. J. K. Kluge and H. S. W. Böllinger. 1,970,236; Aug. 14.
- Power transmission equipment. E. S. Bush. 1,985,015; Dec. 18.
- Power transmission, Fluid. A. P. Brush. 1,976,432; Oct. 9.
- Power transmission for bicycles and the like. G. Basso. 1,967,141; July 17.
- Power transmission for internal combustion engines. M. Szombathy. 1,968,470; July 31.
- Power transmission for vehicles, Friction. H. H. Schieler. 1,979,122; Oct. 30.
- Power transmission gear for motor vehicles. W. Knudsen. 1,960,637; May 29.
- Power transmission, Hydraulic. J. Roland. 1,975,293; Oct. 2.
- Power transmission means, Automatic. F. Slavek. 1,946,179; Feb. 6.
- Power transmission mechanism. W. E. Barber and H. A. Watts. 1,983,962; Dec. 11.
- Power transmission mechanism. W. B. Eddison. 1,955,380; Apr. 17.
- Power transmission mechanism. W. H. Harstick. 1,943,071; Jan. 9.
- Power transmission mechanism. C. E. Henriod. 1,979,742; Nov. 6.
- Power transmission mechanism. E. H. Laabs. 1,951,875; Mar. 20.
- Power transmission mechanism. J. E. McAdams and W. D. Burton. 1,966,100; July 10.
- Power transmission mechanism. L. H. Pomeroy. 1,975,700; Oct. 2.
- Power transmission mechanism. W. Stelzer. 1,956,934; May 1.
- Power transmission mechanism. H. Wälti. 1,961,679; June 5.
- Power transmission mechanism, Variable speed. F. A. Hayes. 1,984,797; Dec. 18.
- Power transmission mechanism, Variable speed. W. Wharton. 1,979,088; Oct. 30.
- Power transmission, Rotary hydraulic. A. G. Rayburn. 1,943,929; Jan. 16.
- Power-transmission synchronizer, Automatic. R. Bland. 1,985,762; Dec. 25.
- Power transmission system. C. P. Brockway. 1,955,110; Apr. 17.
- Power transmission system. J. W. Burleigh. 1,980,165; Nov. 13.
- Power transmission system. H. Sinclair. 1,978,172; Oct. 23.
- Power-transmission system. W. Sykes. 1,985,000; Dec. 18.
- Power transmission, Variable speed. I. C. Matthiessen. 1,983,702; Dec. 11.
- Power transmitter. G. Bauer and C. Schmieske. 1,979,930; Nov. 6.
- Power-transmitter. W. J. Peets and I. F. Webb. 1,955,604; Apr. 17.
- Power transmitter for power cables. I. F. Webb. 1,976,674-5; Oct. 9.
- Power transmitter, Hydraulic. C. Campbell. 1,985,146; Dec. 18.
- Power transmitter, Hydraulic. J. Fraser and D. Campbell. 1,942,281; Jan. 2.
- Power transmitting apparatus. E. R. Llewellyn. 1,979,335; Nov. 6.
- Power transmitting device. H. A. Greenwald. Re19,080; Feb. 13.
- Power transmitting device. W. W. Harris and J. W. Tatter. 1,957,500; May 8.
- Power transmitting device. A. J. Meyer. 1,957,503; May 8.
- Power-transmitting device. J. A. and H. L. Sipprell. 1,965,673; July 10.
- Power transmitting device, Elastic. E. C. Magdeburger. 1,981,870; Nov. 27.
- Power transmitting device, Mechanical. J. C. Groff. 1,970,960; Aug. 21.
- Power transmitting mechanism. E. E. Franz. 1,960,004; May 22.
- Power transmitting mechanism. E. E. Wemp. 1,985,127; Dec. 18.
- Power transmitting mechanism, Variable speed. C. H. Logue. 1,981,236; Nov. 20.
- Power transmitting system. E. M. Fraser. 1,949,860; Mar. 6.
- Power transmitting unit for vehicles. C. W. Floss. 1,944,685; Jan. 23.
- Power tube. I. E. Mouromtseff and G. V. Rylsky. 1,973,094; Sept. 11.
- Power unit. R. Hoe. 1,983,292; Dec. 4.
- Power unit. E. Nielsen. 1,946,540; Feb. 13.
- Power unit, Electrically driven. D. Heyer. Des. 94,141; Dec. 25.
- Power unit for valves and the like, Motor driven. M. J. Berlyn. 1,977,961; Oct. 23.
- Power unit for vehicles. W. MacKirdy. 1,951,428; Mar. 20.
- Power unit, Hydraulic. B. Walker. 1,948,951; Feb. 27.
- Power unit, Water spiral. V. Znaniecki. 1,975,705; Oct. 2.

- Power wheel feed, Auxillary. A. P. Steiner. 1,945,453; Jan. 30.
- Power wrench. C. A. Miller. 1,970,179; Aug. 14.
- Practice device, Golf. G. S. Knapp. 1,969,139; Aug. 7.
- Precast construction block. C. M. Cram. 1,953,154; Apr. 3.
- Precipitation of heavy metallic azids particularly silver and lead azid. Uninterruptedly carrying out the. J. Meissner. 1,959,731; May 22.
- Precision balance. J. Gattoni. 1,964,349; June 26.
- Precision tool. E. J. Scherer. 1,950,819; Mar. 13.
- Precoating in filtration. E. Staritzky. 1,946,039; Feb. 6.
- Preformed expansion joint. A. C. Fischer. Re19,183; May 29.
- Preforming head, Adjustable. R. Blamire. 1,945,799; Feb. 6.
- Preheater. G. L. E. Emmich. 1,962,114; June 12.
- Preheater construction. W. D. Yerrick. 1,985,268; Dec. 25.
- Preheating apparatus. W. D. Yerrick. 1,985,269; Dec. 25.
- Preheating chamber. E. W. Thiele. 1,947,319; Feb. 13.
- Pre-heating device for hydrocarbon burners. W. B. Engh. 1,947,194; Feb. 13.
- Preheating of the air supply to locomotive water tube boiler furnaces. H. E. Yarrow and H. N. Gresley. 1,974,352; Sept. 18.
- Preheating the gas supply to a gas producer. A. Svedlund. 1,950,825; Mar. 13.
- Preparation comprising glycol solutions of alkali metal salts of barbituric acid compounds. J. W. Forbing. 1,984,733; Dec. 18.
- Preparation for treating textile materials. G. H. Ellis. 1,957,492; May 8.
- Preparation of carbon disulphide and hydrogen sulphide. P. H. Bodenstein. 1,981,161; Nov. 20.
- Preparation of cellulose nitro-acetate with nitro-cellulose. C. J. Staud and C. E. Waring. 1,981,396; Nov. 20.
- Preparation of effect threads. A. Rheiner. 1,958,315; May 8.
- Preparation of emulsions for treating and preparing road surfaces. H. Plauson. 1,949,876; Mar. 6.
- Preparation of halogenated benzoyl-amino-anthraquinone. A. J. Wuertz. 1,963,109; June 19.
- Preparation of hexachlorophenol. E. C. Britton. L. F. Martin, F. N. Alquist, and R. L. Heindel, Jr. 1,969,686; Aug. 7.
- Preparation of hydro-halogen addition products of acetylenic hydrocarbons. F. B. Downing, A. S. Carter, and D. Hutton. 1,950,434; Mar. 13.
- Preparations suitable for purifying air and liberating oxygen. Production of. E. Herzog. 1,946,460; Feb. 6.
- Preparing machine. E. T. Wuest. 1,980,841; Nov. 13.
- Prepayment mechanism for gas and similar meters. E. W. Smith and A. Charles. 1,969,675; Aug. 7.
- Prepayment mechanism for gas and similar meters. E. W. Smith and A. Charles. 1,984,162; Dec. 11.
- Prepayment mechanism for gas meters. F. von Schütz. 1,984,100; Dec. 11.
- Prepayment meter. O. Borel. 1,962,923; June 12.
- Preservation, Method of. A. F. H. Scott. 1,963,681; June 19.
- Preservative. E. C. Britton and L. E. Mills. 1,946,057; Feb. 6.
- Preservative for wood. K. H. Wolman. 1,957,872; May 8.
- Preservative, Wood. K. H. Wolman and H. Pflug. 1,957,873; May 8.
- Preserving container. J. L. Lagorio. 1,948,353; Feb. 20.
- Preserving device. B. L. Link. 1,969,617; Aug. 7.
- Preserving receptacle. R. S. Josline. 1,949,836; Mar. 6.
- Press: See—
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| Automatic power press. | Lever press. |
| Baling press. | Matrix melting press. |
| Bed and cylinder printing press. | Metal drawing press. |
| Bed cutting and creasing press. | Metal extrusion press. |
| Beehive press. | Metal working press. |
| Belt press. | Metallic tube press. |
| Broaching press. | Molding press. |
| Button press. | Necktie press. |
| Color printing press. | Offset printing press. |
| Cooky press. | Oil press. |
| Cutting press. | Power press. |
| Dental flask press. | Printing press. |
| Dental press. | Proof press. |
| Die press. | Rotary press. |
| Die-stamping press. | Rotary printing press. |
| Extrusion press. | Rotary web press. |
| Filter press. | Screw press. |
| Fruit and vegetable press. | Sheet-metal press. |
| Garment or ironing press. | Shoe press. |
| Grid trimming press. | Shoe sole attaching press. |
| Hat press. | Single crank press. |
| Hosiery press. | Soap press. |
| Hydraulic press. | Sole press. |
| Hydraulic toggle press. | Tobacco press. |
| Ironing press. | Toggle molding press. |
| Laboratory press. | Tube extrusion press. |
| Laundry press. | Vulcanizing press. |
| | Web printing press. |
| | Wheel press. |
- Press. R. T. Anderson. 1,977,259; Oct. 16.
- Press. J. Y. Blazek and R. G. Anderson. 1,977,423; Oct. 16.
- Press. J. R. Bradley. 1,975,249; Oct. 2.
- Press. A. A. Byerlein. 1,945,176; Jan. 30.
- Press. A. A. Byerlein. 1,967,464; July 24.
- Press. A. A. Byerlein. 1,972,329; Sept. 4.
- Press. A. A. Byerlein. 1,974,148; Sept. 18.
- Press. W. Ernst. 1,971,850; Aug. 28.
- Press. M. Extract. Des. 93,605; Oct. 16.
- Press. F. A. Heidenfelder. 1,983,455-6; Dec. 4.
- Press. R. J. Jacker. 1,975,848-9; Oct. 9.
- Press. R. A. Jones. 1,956,532; Apr. 24.
- Press. E. C. Ragsdale. 1,977,145; Oct. 16.
- Press. F. D. Sprague. 1,951,999; Mar. 20.
- Press. W. A. Wilhelm. 1,973,786; Sept. 18.
- Press. H. H. Woodward. 1,975,674; Oct. 2.
- Press actuating mechanism. H. E. Sloan and G. A. Highberg. 1,945,496; Jan. 30.
- Press and other pressure exerting machine. F. Humphris. 1,964,665; June 26.
- Press and the like, Power. J. A. T. Napier. 1,958,151; May 8.
- Press and wire for incandescent lamps, radio tubes, and the like. H. C. Jennison. 1,964,204; June 26.
- Press construction. F. J. Rode and R. W. Glasner. 1,960,166; May 22.
- Press delivery device, Flanging. A. Brémont. 1,970,882; Aug. 21.
- Press-door counter-balance. F. S. Perry. 1,943,695; Jan. 16.
- Press for attaching soles to shoes. J. O. Yunker. 1,943,356; Jan. 16.
- Press for forming comb-honey sections. W. C. Werum. 1,959,089; May 15.
- Press for molding stereotype matrices. K. Schaeffelin. 1,974,899; Sept. 25.
- Press for molding thermoplastic materials, Extrusion. P. Eckert. 1,952,241; Mar. 27.
- Press for printing wax carbon spots on paper, Rotary. G. A. Rutkoskie. 1,961,827; June 5.
- Press for tailors. G. Pere. 1,977,403; Oct. 16.
- Press for tubes. R. H. Cowdery. 1,963,047; June 12.
- Press mechanism, Drawing. A. Bertucci. 1,949,407; Mar. 6.
- Press-molding masses by condensation of phenols with formaldehyde or substances that yield formaldehyde, Production of. M. Koeber. 1,981,514; Nov. 20.
- Press plates, Producing. G. Daub. 1,961,476; June 5.
- Press provided with a rectilinearly reciprocating press table guided in the carriage, Continuously operating Presser foot. E. A. Nimmer. 1,959,138; May 15.
- Presser foot for plain stitching and shirring. J. Chudner. 1,943,203; Jan. 9.
- Presser-foot for sewing machines. J. D. Karle. 1,977,279; Oct. 16.
- Presser-foot for zigzag-stitching attachments. J. D. Karle. 1,944,515; Jan. 23.
- Presser member. M. H. Ballard. 1,964,024; June 26.
- Presser, Shoe sole. A. F. Totz. 1,966,108; July 10.
- Pressers, Operating mechanism for. N. L. Eitten. 1,947,765; Feb. 20.
- Presses, Attachment for pneumatic feed printing. H. T. McCoy. 1,956,647; May 1.
- Presses, Mechanism for operating baling. R. W. Dinzl. 1,966,378; July 10.
- Presses, stamping machines, and similar machine tools, Engaging and disengaging device for. W. Schmidt. 1,956,658; May 1.
- Pressing and ironing element, Electrically heated. F. E. Baker. 1,984,008; Dec. 11.
- Pressing and ironing machine. G. C. Engbrecht and A. J. and A. M. Olsen. 1,981,410; Nov. 20.
- Pressing apparatus. J. L. Drake. 1,965,113-4; July 3.
- Pressing apparatus for the manufacture of cigar fillers. F. H. B. Stelzer. 1,950,866; Mar. 13.
- Pressing device, Portable. E. J. Lehnen and S. A. Moore. 1,950,498; Mar. 13.
- Pressing implement. A. Sussman. 1,942,579; Jan. 9.
- Pressing machine. E. Davis. 1,953,533; May 15.
- Pressing machine. S. W. Ford. 1,983,974; Dec. 11.
- Pressing machine. H. D. Forse. 1,952,851; Mar. 27.
- Pressing machine. T. G. Jasper. 1,961,611; June 5.
- Pressing machine. A. Matthews. 1,964,126; June 26.
- Pressing machine. L. Zimarik and C. K. Cimarik. 1,976,976; Oct. 16.
- Pressing pad. P. J. Hogan. 1,943,313; Jan. 16.
- Pressure actuated switch. C. Jardine. 1,951,245; Mar. 13.
- Pressure actuated valve. P. A. Kinzie. 1,980,067; Nov. 6.
- Pressure alleviator. W. P. Quinn and W. W. Brooks. 1,950,107; Mar. 6.
- Pressure and centrifugal extractor, Combined. G. W. Johnson. 1,949,278; Feb. 27.
- Pressure and sealing device for containers. W. C. Parrott. 1,971,727; Aug. 28.
- Pressure and temperature control switch. J. L. Kimball. 1,975,851; Oct. 9.
- Pressure and temperature recording device for wells. D. T. Ross. 1,951,629; Mar. 20.
- Pressure apparatus for the drawing mechanism of textile machinery. F. Casablanca. 1,944,965-6; Jan. 30.
- Pressure apparatus for the drawing mechanism of textile machinery. F. Casablanca. 1,964,661; June 26.
- Pressure circulator and scalders. A. Jensen. 1,983,173; Dec. 4.
- Pressure control, Automatic. E. W. Klein. 1,951,697; Mar. 20.
- Pressure control device. J. F. Jaworowski. 1,962,740; June 12.

- Pressure control device. R. L. Jewell. 1,951,829; Mar. 20.
 Pressure control device for air brake mechanism. O. Seifferle. 1,980,504; Nov. 13.
 Pressure control system for blower-fed two-cycle engines. A. Fielden. 1,955,799; Apr. 24.
 Pressure control valve. D. S. Willson. 1,964,616; June 26.
 Pressure controlled switch. L. A. Lemaitre and J. Rassas. 1,961,004; May 29.
 Pressure controlled switch. L. Oeweger and W. G. Sipple. 1,963,864; June 19.
 Pressure-cooker valve. A. R. Thompson. 1,978,656; Oct. 30.
 Pressure-cup for spray appliances. S. Bramsen. 1,944,920; Jan. 30.
 Pressure device for delivering liquids. G. Dean. 1,952,790; Mar. 27.
 Pressure device for dispensing fluids, grease, and the like. A. E. Hutt. 1,958,273; May 8.
 Pressure die-casting machine with device for uniformly controlling the movable parts by means of gaseous and hydraulic pressure media. P. Haessler. 1,980,333; Nov. 13.
 Pressure emulsor, Adjustable-. E. M. Ferns. 1,963,549; June 19.
 Pressure filter. A. O. Walker. 1,967,070; July 17.
 Pressure fluid operated tool. E. H. Shaff. 1,946,548; Feb. 13.
 Pressure gauge. J. W. Beecher. 1,978,665; Oct. 30.
 Pressure gauge. J. C. Crowley. 1,949,293; Feb. 27.
 Pressure gauge. L. M. Ellison. 1,951,603; Mar. 20.
 Pressure gauge. W. R. Hedeman. 1,976,938; Oct. 16.
 Pressure greasing apparatus for motor vehicles and the like. High. G. A. Hunter. 1,969,404; Aug. 7.
 Pressure ignition switch. F. E. Como and J. A. Farrar. 1,960,662; May 29.
 Pressure indicating device. R. Beck. 1,957,037; May 1.
 Pressure indicator. Dash tire. E. Greene. 1,975,639; Oct. 2.
 Pressure indicator for pneumatic tires. J. L. Giesser. 1,949,712; Mar. 6.
 Pressure liquid actuated regulator. F. Wettstein. 1,976,820; Oct. 16.
 Pressure means for fibre preparation machinery. L. McBee. 1,959,872; May 22.
 Pressure measuring device. C. Johnson. 1,970,753; Aug. 21.
 Pressure measuring device. J. H. Payne. 1,953,819; Apr. 3.
 Pressure mold. R. J. Evans. 1,972,440; Sept. 4.
 Pressure molding method. J. H. L. De Bats. 1,950,354; Mar. 6.
 Pressure of mixtures of solids and liquids existing under high pressure. Releasing the. W. R. Tate, H. P. Stephenson, and H. P. Dean. 1,970,871; Aug. 21.
 Pressure operated valve. F. W. Edwards. 1,985,770; Dec. 25.
 Pressure plate for film movement mechanism. G. B. Pollock. 1,966,683; July 17.
 Pressure process for canned pineapple. R. B. Taylor. 1,964,143; June 26.
 Pressure ratio regulator. R. W. Thomas. 1,977,925; Oct. 23.
 Pressure recording device. G. V. D. Marx. 1,955,855; Apr. 24.
 Pressure recording gauge. I. L. Dunn, H. F. Wright, and H. S. Crooks. 1,946,575-6; Feb. 13.
 Pressure reducing valve. J. J. Lawler. 1,951,095; Mar. 13.
 Pressure reducing valve. E. P. Le Noir. 1,956,101; Apr. 24.
 Pressure reducing valve. C. V. Lindbloom. 1,978,465; Oct. 30.
 Pressure regulating apparatus. A. A. Ewald. 1,977,907; Oct. 23.
 Pressure-regulating device. R. C. Lamond. 1,952,443; Mar. 27.
 Pressure regulating device for a hot water heating system. J. Manneschildt, jr. 1,949,106; Feb. 27.
 Pressure regulating valve, Duplex. W. T. Ball. 1,974,296; Sept. 18.
 Pressure regulator. L. C. Smith. 1,958,023; May 8.
 Pressure regulator for gas refrigerator pilot lights. A. D. MacLean. 1,984,592; Dec. 18.
 Pressure regulator for pressure presses. G. W. Elsey. 1,943,520; Jan. 16.
 Pressure regulator for pressure presses. J. W. Lee. 1,971,419; Aug. 28.
 Pressure regulator for work under compressed air. E. Frankignoul and L. de la V. Poussin. 1,949,959; Mar. 6.
 Pressure release for revolving doors. J. W. Shields. 1,944,197; Jan. 23.
 Pressure release for sand testing tools. J. S. Morris. 1,980,219; Nov. 13.
 Pressure release valve. R. I. Bates. 1,983,064; Dec. 4.
 Pressure relief apparatus for concrete mixers. C. F. Ball. 1,983,891; Dec. 11.
 Pressure relief attachment. W. P. Huffman and F. F. Rike. 1,963,270; June 19.
 Pressure relief device. G. S. Binckley. 1,951,897; Mar. 20.
 Pressure relief device. Automatic. W. F. Mesinger and A. C. Mattison. 1,982,474; Nov. 27.
 Pressure relief valve. W. N. Glab. 1,961,758; June 5.
 Pressure reservoir for cables. G. B. Shanklin. 1,978,233; Oct. 23.
 Pressure resisting member. C. W. Albertson. 1,953,383; Apr. 3.
 Pressure switch. S. R. Du Brie. 1,979,608; Nov. 6.
 Pressure temperature method and apparatus for the control of heating. T. N. Adlam. 1,969,492; Aug. 7.
 Pressure-tight bearing. J. M. Wilson. 1,977,030; Oct. 16.
 Pressure treatment of substances such as latex. A. R. Kemp. 1,976,502; Oct. 9.
 Pressure tube and hand switch. M. E. Henning. 1,948,175; Feb. 20.
 Pressures, Device for the indication of alternating. K. Rathke. 1,981,195; Nov. 20.
 Pretzel making machine. J. E. Fabian. 1,957,135; May 1.
 Preventive means for check controlled apparatus, Combined. A. A. Knee. 1,945,318; Jan. 30.
 Price card holder. G. Genda. 1,954,696; Apr. 10.
 Price indicator. L. D. Foster. 1,965,545; July 3.
 Price indicator. W. E. Shoemaker. 1,948,191; Feb. 20.
 Price indicator. W. E. Shoemaker. 1,949,666; Mar. 6.
 Price marking, Device and method for. B. Macfadden. 1,979,164; Oct. 30.
 Price tag holder. F. Spindler. 1,948,053; Feb. 20.
 Price ticket holding device. G. H. Taylor. 1,972,959; Sept. 11.
 Prie dieu. F. J. Liska. Des. 91,673; Mar. 6.
 Primary cell. H. Colloseus. 1,978,624; Oct. 30.
 Prime mover dynamo-electric plant. H. T. Seeley. 1,962,942; June 12.
 Prime mover, Submersible. A. O. Fabrin. 1,955,955; Apr. 24.
 Primer for gas engines. A. L. Parker. 1,942,255; Jan. 2.
 Primer valve. P. S. Goss. 1,970,744; Aug. 21.
 Primer valve. D. S. Williams. 1,967,643-5; July 24.
 Priming apparatus for centrifugal pumps. A. C. Durdin, jr. 1,971,774; Aug. 28.
 Priming composition. A. Weale. 1,969,246; Aug. 7.
 Priming mechanism for portable pumps. M. Tamini. 1,982,841; Dec. 4.
 Priming mixture. W. Brün. 1,942,274; Jan. 2.
 Priming mixture. W. Brün. 1,971,031; Aug. 21.
 Priming system for centrifugal pumps. F. S. Broadhurst. 1,971,441; Aug. 28.
 Print drier, Photographic. J. S. Greene. 1,944,600; Jan. 23.
 Print roll and like article. R. A. Wilkins. 1,965,019; July 3.
 Print roll and making, Built-up. C. F. Cooper. 1,984,115; Dec. 11.
 Printed cellophane, Making. F. X. Malocsay. 1,969,569; Aug. 7.
 Printer carriage control for cash registers. H. Kaufmann. 1,983,698; Dec. 11.
 Printer, Hand. E. Anderson. 1,979,927; Nov. 6.
 Printer, Hand. R. Jordan. 1,984,645; Dec. 18.
 Printer, Multiple. J. C. Kroesen. 1,985,038; Dec. 18.
 Printer mechanism for sorting machines. E. A. Ford. 1,962,735; June 12.
 Printer system for quotation boards, Monitor. F. C. Collings. 1,943,654; Jan. 16.
 Printer's apparatus. H. J. Reardon. 1,985,551; Dec. 25.
 Printer's blanket. F. G. Arnold. 1,971,439; Aug. 28.
 Printer's blanket and making. T. T. Ellis. 1,983,352; Dec. 4.
 Printer's feed gauge. W. A. Smith. 1,954,270; Apr. 10.
 Printer's line-up table. J. A. Slobey. 1,977,213; Oct. 16.
 Printer's quoin. S. Holt. 1,941,747; Jan. 2.
 Printer's roller. R. R. Lewis and A. J. Weiss. 1,963,856; June 19.
 Printing. C. W. Bennett. 1,952,787; Mar. 27.
 Printing. O. A. Beriau. 1,977,872; Oct. 16.
 Printing. J. E. Cole. 1,967,569; July 24.
 Printing. J. Elmer and B. J. Kelly. 1,979,735; Nov. 6.
 Printing. J. J. O'Connell. 1,943,987; Jan. 16.
 Printing. G. Rivat. 1,944,372; Jan. 23.
 Printing. L. J. Welch. 1,964,236; June 26.
 Printing and addressing machine. H. P. Elliott. 1,985,246; Dec. 25.
 Printing and addressing machine, Combined. J. Krell. 1,952,551; Mar. 27.
 Printing and dyeing. Method of and apparatus for. A. B. Büschel. 1,965,257; July 3.
 Printing and severing mechanism for cash registers. C. H. Arnold. 1,968,669; July 31.
 Printing and slitting machine. A. E. F. Moore. 1,948,590; Feb. 27.
 Printing apparatus. L. McLaughlin. 1,951,430; Mar. 20.
 Printing apparatus. L. M. Todd and W. B. Payne. 1,960,560; May 29.
 Printing. Apparatus for. C. Chisholm. 1,976,714; Oct. 16.
 Printing. Apparatus for photographic. C. M. Tuttle. H. E. White, and J. W. McFarlane. 1,954,338; Apr. 10.
 Printing attachment. W. E. Brawn. 1,975,681; Oct. 2.
 Printing block and making same. B. C. Chambers. 1,942,683; Jan. 9.
 Printing control mechanism. C. D. Lake. 1,965,981; July 10.
 Printing cutting lines for men's and women's garments, Device for. P. Violante. 1,956,457; Apr. 24.
 Printing cylinder appliance. D. J. Scott. 1,958,902; May 15.
 Printing device. J. W. Armbruster. 1,957,193; May 1.
 Printing device. J. W. Bryce. 1,976,599; Oct. 9.
 Printing device. R. M. Durdale. 1,945,264; Jan. 30.
 Printing device. E. A. Ford. 1,978,898; Oct. 30.

- Printing device. W. T. Gollwitzer. 1,955,803; Apr. 24.
 Printing device. K. A. Knutsen and A. E. Vethe. 1,971,860; Aug. 28.
 Printing device. C. G. Kranz. 1,949,688; Mar. 6.
 Printing device. W. H. Macdonald. 1,981,519; Nov. 20.
 Printing device. O. B. Meyers. 1,979,045; Oct. 30.
 Printing device, Automatic. H. E. Rees. 1,957,291; May 1.
 Printing device for printing machines. H. P. Elliott. 1,966,664; July 17.
 Printing device for tabulating machines for perforated cards. K. A. Knutsen. 1,971,858; Aug. 28.
 Printing device for tabulating machines for perforated cards. K. A. Knutsen. 1,971,859; Aug. 28.
 Printing device for use in connection with tabulating and calculating machines and the like. G. Tauschek. 1,969,334; Aug. 7.
 Printing device, Total. A. Kottmann. 1,942,106; Jan. 2.
 Printing, Discharge. F. B. Downing and R. G. Clarkson. 1,981,907; Nov. 27.
 Printing, Discharge. C. Dreyfus and H. Platt. 1,957,491; May 8.
 Printing element and making same. B. L. Sites. 1,982,967; Dec. 4.
 Printing images, Producing. H. T. Mossberg. 1,951,943; Mar. 20.
 Printing instrument. J. M. Christman. 1,945,730; Feb. 6.
 Printing instrumentalities for typewriting machines. C. A. Fuchs and H. Resch. 1,984,014; Dec. 11.
 Printing instrumentalities for typewriting machine. H. L. Pitman. 1,974,313; Sept. 18.
 Printing instrumentalities for typewriting machines. F. H. Tregli. 1,955,987; Apr. 24.
 Printing instrumentality for typewriting machines. C. A. Fuchs and H. Resch. 1,973,057; Sept. 11.
 Printing machine. T. M. Avery. 1,963,041; June 12.
 Printing machine. E. C. Colyer. 1,982,374; Nov. 27.
 Printing machine. W. L. Cullen, S. Roth, and C. Hoefler. 1,980,188; Nov. 13.
 Printing machine. F. E. Curtis. 1,941,663; Jan. 2.
 Printing machine. W. Depenbrock. 1,950,373; Mar. 6.
 Printing machine. J. S. Duncan and H. E. Hubbard. 1,952,914; Mar. 27.
 Printing machine. W. K. Eckhard. 1,948,651; Feb. 27.
 Printing machine. W. K. Eckhard. 1,956,566; May 1.
 Printing machine. W. K. Eckhard. 1,957,447; May 8.
 Printing machine. A. Eley and E. J. Hodgkinson. 1,941,667; Jan. 2.
 Printing machine. B. Fassmann. 1,955,798; Apr. 24.
 Printing machine. C. F. Fawdry. 1,955,673; Apr. 17.
 Printing machine. W. T. Gollwitzer. 1,941,681; Jan. 2.
 Printing machine. W. T. Gollwitzer. 1,968,292; July 31.
 Printing machine. W. T. Gollwitzer. 1,975,318; Oct. 2.
 Printing machine. W. T. Gollwitzer. 1,982,379-80; Nov. 27.
 Printing machine. W. S. Gubelman. 1,968,386; July 31.
 Printing machine. E. C. Hartley. 1,952,918; Mar. 27.
 Printing machine. E. C. Hartley. 1,950,724-5; Nov. 13.
 Printing machine. H. E. Hubbard. 1,941,685; Jan. 2.
 Printing machine. G. C. Kranz. 1,946,217; Feb. 6.
 Printing machine. H. W. Lamb, J. C. Nixon, and D. H. Hurlbut. 1,958,628; May 15.
 Printing machine. L. H. Morse. 1,968,848-9; Aug. 7.
 Printing machine. W. L. and H. W. Parmele. 1,966,416; July 10.
 Printing machine. B. W. Payne. 1,979,205; Oct. 30.
 Printing machine. C. B. Russell. 1,966,699; May 1.
 Printing machine. C. H. Sampson. 1,961,644; June 5.
 Printing machine. J. F. Springstead. 1,954,851; Apr. 17.
 Printing machine. C. J. Walker. 1,954,373; Apr. 10.
 Printing machine. C. B. Wilkes, jr. 1,950,585; Mar. 13.
 Printing machine and method. H. P. Elliott. 1,985,245; Dec. 25.
 Printing machine and method. C. A. Flood. 1,980,576; Nov. 13.
 Printing machine for linoleum, textiles, and the like. L. B. Case. 1,945,593; Feb. 6.
 Printing machine for sensitized material. H. H. Sullivan. 1,951,952; Mar. 20.
 Printing machine, Relief. A., A. H. F., and A. L. Holmes. 1,966,393; July 10.
 Printing machine, Rotary. P. Gangler. 1,973,058; Sept. 11.
 Printing machine structure. J. L. Barber. 1,956,089; Apr. 24.
 Printing machinery. D. M. Duncan. 1,975,654; Oct. 2.
 Printing machinery, Rotary. C. F. Hehle and A. Halstead, jr. 1,952,028; Mar. 20.
 Printing machines. Pile handling mechanism for. A. J. Horton and W. K. Eckhard. 1,953,049; Mar. 27.
 Printing machines. Web guide for. J. R. Tomlin. 1,955,713; Apr. 17.
 Printing machines, Web supply mechanism for. H. Hezel. 1,985,221; Dec. 18.
 Printing means. G. S. Rowell. 1,966,464; July 17.
 Printing mechanism. F. A. Beach. 1,985,226; Dec. 25.
 Printing mechanism. F. M. Carroll. 1,981,990; Nov. 27.
 Printing mechanism. C. D. Lake. 1,965,980; July 10.
 Printing mechanism. E. Laroche. 1,949,389; Feb. 27.
 Printing mechanism. G. Tauschek. 1,944,675; Jan. 23.
 Printing mechanism for accounting machines. F. M. Carroll. 1,964,810; July 3.
 Printing mechanism for tabulators. A. E. Gray. 1,947,259; Feb. 13.
 Printing mechanism for typewriting machines. F. H. Trego. 1,967,272-3; July 24.
 Printing mechanism for use with meters and other measuring instruments. W. Holmes. 1,963,303; June 19.
 Printing method, Offset. W. F. Wallace. 1,943,645; Jan. 16.
 Printing odometer. G. C. Coll. 1,958,565; May 15.
 Printing plate. G. B. Creesy. 1,951,596; Mar. 20.
 Printing plate. R. R. Lewis. 1,971,044; Aug. 21.
 Printing plate and holding means therefor. W. R. Allen and E. C. Hartley. 1,967,221; July 24.
 Printing plate and making the same. T. E. Richards. 1,957,850; May 8.
 Printing plate and preparing same. W. Saunders. 1,975,867; Oct. 9.
 Printing plate and producing the same, Photo-engraved. V. E. Royle. 1,964,599; June 26.
 Printing plate clamp operating means. O. C. Roosen. 1,982,757; Dec. 4.
 Printing plate for collapsible tubes. W. Prussing. 1,947,170; Feb. 13.
 Printing plate holder. S. Roesner. 1,955,933; Apr. 24.
 Printing plates, Making intaglio. O. R. Schultz. 1,980,443; Nov. 13.
 Printing plates, Production of mercurized. H. G. Zimmermann. 1,949,233; Feb. 27.
 Printing plates to uniform thickness, Reducing curved. L. W. Claybourn. 1,942,593; Jan. 9.
 Printing press. L. E. Aborn. 1,975,891; Oct. 9.
 Printing press. C. S. Crafts. 1,970,491; Aug. 14.
 Printing press. C. S. Crafts. 1,971,771; Aug. 28.
 Printing press. E. J. Duffy and E. Boisseau. 1,962,897; June 12.
 Printing press. H. Fankboner. 1,945,631; Feb. 6.
 Printing press. H. Fankboner. 1,964,874; July 3.
 Printing press. H. Fankboner. 1,981,912; Nov. 27.
 Printing press. T. H. Fishburn. 1,970,368; Aug. 14.
 Printing press. S. Q. Kline. 1,972,020; Aug. 28.
 Printing press. G. E. Lee. 1,950,086; Mar. 6.
 Printing press. P. Rapoport. 1,952,032; Mar. 20.
 Printing press. A. Rosenthal. 1,960,513; May 29.
 Printing press. E. J. Smith. 1,943,902; Jan. 16.
 Printing press. W. H. Smith. 1,949,132; Feb. 27.
 Printing press. B. C. Stickney. 1,949,223; Feb. 27.
 Printing press. H. A. W. Wood. 1,972,506; Sept. 4.
 Printing press, Bed and cylinder. C. B. Cottrell, 3d. 1,966,061; July 10.
 Printing press, Flat bed web. P. F. Cox. 1,973,464; Sept. 11.
 Printing press, Flat bed traveling cylinder web. E. W. Dean. 1,974,601; Sept. 25.
 Printing press for printing wax carbon spots on sheets of paper. G. A. Rutkoskie. 1,983,948; Dec. 11.
 Printing press for printing wax carbon spots on sheets of paper. N. S. Welk. 1,961,826; June 5.
 Printing press for producing wax carbon spots on sheets of paper. G. A. Rutkoskie and N. S. Welk. 1,961,829; June 5.
 Printing press former construction. I. Tornberg. 1,967,634; July 24.
 Printing press, Multicolor. P. F. Cox. 1,982,574; Nov. 27.
 Printing press, Multicolor. H. A. W. Wood. 1,972,507; Sept. 4.
 Printing press, Multiple unit. H. A. W. Wood. 1,970,929; Aug. 21.
 Printing press, Rotary. H. D. Black. 1,970,356; Aug. 14.
 Printing press, Rotary. T. E. Pythian. 1,968,166; July 31.
 Printing press, Rotary copper-plate. F. von Heinrich. 1,979,086; Oct. 30.
 Printing presses, Antioffset mechanism for. R. J. Greenway. 1,949,102; Feb. 27.
 Printing presses, Attachment for. D. F. Allen. 1,950,206; Mar. 6.
 Printing presses, Attachment for. A. Roberts. 1,974,469; Sept. 25.
 Printing presses, Attachment for. R. E. Thickens. 1,957,559; May 8.
 Printing presses with special paper, Supplying. I. Tornberg. 1,967,635; July 24.
 Printing process and apparatus. G. S. Rowell. 1,945,569; Feb. 6.
 Printing process and product, Raised. A. Schneider. 1,966,907; July 17.
 Printing ribbon moistener. C. F. Hanable. 1,953,881; Apr. 3.
 Printing surfaces, Making. W. Zimmermann. 1,978,559; Oct. 30.
 Printing surfaces, Mounting. A. B. Davis. 1,980,386; Nov. 13.
 Printing surfaces, Producing. H. C. Boedicker. 1,945,676; Feb. 6.
 Privacy system. D. Mitchell. 1,981,113; Nov. 20.
 Privacy system. D. Mitchell and S. B. Wright. 1,981,114; Nov. 20.
 Printing, System of. C. Chisholm. 1,976,715; Oct. 16.
 Printing telegraph. H. L. Paulding. 1,957,076; May 1.
 Printing telegraph system. F. H. Fay and W. M. Bacon. 1,975,203; Oct. 2.
 Printing telegraph system and apparatus. E. M. S. McWhirter. 1,960,021; May 22.
 Prints and printing plates therefor, Producing multicolor. T. Dittmann. 1,978,784; Oct. 30.
 Prints, Apparatus for producing and finishing. C. M. Boyce. 1,978,405; Oct. 30.
 Prints, Making. W. L. Sullivan. 1,958,727; May 15.
 Prism. D. B. Gardner. 1,963,127; June 19.

- Prism block for cameras, Compound. C. L. Fitz. 1,975,141; Oct. 2.
- Prison protection. R. J. Meyer. 1,967,511; July 24.
- Prize ticket for animal racing. T. W. Rowland. 1,983,004; Dec. 4.
- Processing. G. W. Mullen. 1,953,656; Apr. 3.
- Processing apparatus. G. W. Lane. 1,957,606; May 8.
- Processing table. W. A. Schwerin and T. H. Schonwise. 1,973,179; Sept. 11.
- Produce such as lettuce, Handling. E. H. Spiegl. 1,983,052; Dec. 4.
- Producing diphenyl mono-sulphonic acid. W. C. Stoesser and R. F. Marschner. 1,942,386; Jan. 2.
- Product derived from vinyl esters and making same. F. W. Skirrow and G. O. Morrison. 1,971,951; Aug. 28.
- Product for killing or eliminating flies and preparing it. A. Steindorff and K. Pfaff. 1,975,054; Sept. 25.
- Production controller. O. C. Roesen and I. Tornberg. 1,957,109; May 1.
- Production of solid ammonium sulphate and diammonium phosphate, Apparatus for the. C. J. Hansen. 1,968,682; July 31.
- Products adapted for the production of diazo solutions. W. E. Kemmerich. 1,973,148; Sept. 11.
- Products containing pectin, Preparation of. R. C. Mitchoff. 1,976,741; Oct. 16.
- Products derived from maize, Manufacture of. W. Acton. 1,960,985; May 29.
- Products from cellulose materials, Manufacture of useful. H. Dreyfus. 1,963,972; June 26.
- Products from toad poisons, Obtaining. H. Jensen and K. K. Chen. 1,951,870; Mar. 20.
- Products of dimethylolureas. M. Luther. 1,947,997; Feb. 20.
- Profile milling machine, Automatic. G. V. Anderson. 1,952,280; Mar. 27.
- Profiling machine. F. V. Geier and W. D. Archea. 1,978,347; Oct. 23.
- Program control means. C. A. Rackey. 1,956,746; May 1.
- Program distributing system. G. Deakin, L. J. J. Schreiber, S. Van Mierlo, F. de Fremery, C. A. J. Pulles, and C. A. Willemsse. 1,981,689; Nov. 20.
- Program distribution system. C. de Vriendt. 1,974,062; Sept. 18.
- Program distribution system. W. F. Cotter and M. E. Bond. 1,979,313; Nov. 6.
- Program light. C. A. Irminger. 1,955,916; Apr. 24.
- Program service system. R. H. Herrick. 1,964,153; June 26.
- Progressive release lock. W. J. Pearson. 1,958,925; May 15.
- Processor for a transverse brush fruit treating machine. F. Stebler. 1,954,654; Apr. 10.
- Projectile. E. W. Brandt. 1,973,604; Sept. 11.
- Projectile. H. Gerlich. 1,944,885; Jan. 30.
- Projectile. E. Leussler. 1,967,416; July 24.
- Projectile. S. Wiley. 1,941,590; Jan. 2.
- Projectile device, Tethered. W. Olsen. 1,963,311; June 19.
- Projectile, Illuminating. H. S. Babbitt. 1,943,292; Jan. 16.
- Projectile, Illuminating. R. Martin. 1,978,641; Oct. 30.
- Projectile propelling apparatus. H. Gerlich. 1,944,883; Jan. 30.
- Projecting apparatus. C. D. Chase. 1,965,687-8; July 10.
- Projecting apparatus. J. Shaw and M. Ott. 1,963,562; June 19.
- Projecting apparatus. A. E. Wier. 1,979,921; Nov. 6.
- Projecting machine. L. J. Tint. 1,966,531; July 17.
- Projecting machine, Double. A. D. Eitzen. 1,945,522; Feb. 6.
- Projecting machine, High speed. A. D. Eitzen. 1,952,748; Mar. 27.
- Projecting machine, Repeat. B. A. Proctor. 1,944,034; Jan. 16.
- Projecting means for oven trays, Automatic. O. Raley. 1,958,348; May 8.
- Projecting system. R. F. Dirkes. 1,960,577; May 29.
- Projecting two or more actions or scenes at the same time, Method and apparatus for. V. C. de Ybarrodo. 1,942,748; Jan. 9.
- Projection apparatus. J. Geier. 1,943,309; Jan. 16.
- Projection apparatus. A. F. Martin. 1,981,275; Nov. 20.
- Projection apparatus. D. F. Newman and R. C. Underwood. 1,972,456; Sept. 4.
- Projection apparatus and/or system. K. L. Curtis. 1,982,201; Nov. 27.
- Projection apparatus, Attachment for. W. M. Thomas. 1,985,471; Dec. 25.
- Projection apparatus for making photomechanical printing plates. R. A. Glaser. 1,954,753; Apr. 10.
- Projection apparatus for publicity or other uses. C. Contal. 1,950,047; Mar. 6.
- Projection attachment. O. C. Gilmore. 1,962,501; June 12.
- Projection lamp. C. S. Ashcraft. Des. 92,510; June 19.
- Projection of images for viewing in stereoscopic relief. H. E. Ives. 1,970,311; Aug. 14.
- Projection of moving advertising matter, announcements, and the like, Device for the. H. E. Millar. 1,981,739; Nov. 20.
- Projection screen. D. F. Newman. 1,980,285-6; Nov. 13.
- Projection screen. E. A. Troeger. 1,969,405; Aug. 7.
- Projection screen. O. von Gruber. 1,985,066; Dec. 18.
- Projection system. F. E. Halloran. 1,952,248; Mar. 27.
- Projection system and apparatus. F. E. Halloran. 1,952,249; Mar. 27.
- Projection system, News and advertising. J. W. Long and R. Steeneck. 1,969,467; Aug. 7.
- Projector and talking machine, Combined. C. U. Bunk and A. Berglund. 1,978,873; Oct. 30.
- Projector attachment. W. G. Preddey. 1,951,707; Mar. 20.
- Projector, Continuous film motion cinematograph. O. C. Johnson. 1,944,010; Jan. 16.
- Projector for colored motion pictures. O. C. Gilmore. 1,953,958; Apr. 10.
- Projector for double dissolving effects. T. O. Hall. 1,946,139; Feb. 6.
- Projector for natural color projection, Continuous. W. A. Kosken. 1,984,142; Dec. 11.
- Projector for remote control. H. N. Ridgway. 1,959,038; May 15.
- Projector for type bar printers. G. R. Benjamin and J. W. Long. 1,980,160; Nov. 13.
- Projector, Light. R. C. Engelken and H. A. Kliegel. Des. 93,766; Nov. 6.
- Projector system and detail. W. M. Thomas. 1,985,470; Dec. 25.
- Projector, Visual acuity testing. H. E. Tensen. Des. 92,779; July 10.
- Proof press. R. O. E. O., D. D., and F. R. Vandercook. 1,964,488; June 26.
- Proof press. R. O. E. O., F. R., and D. D. Vandercook. 1,985,701; Dec. 25.
- Proof press, Power cylinder precision. H. R. Trotter. 1,985,845; Dec. 25.
- Proof prints, Producing photographic. L. G. Simjian. 1,952,100; Mar. 27.
- Proofing dough. H. Bentz. 1,941,653; Jan. 2.
- Prop. Clothes. L. J. McCullon. 1,959,246; May 15.
- Prop. Clothes. A. E. Shrimpton. 1,973,018; Sept. 11.
- Prop. Pit. W. Sylvester. 1,979,503; Nov. 6.
- Propane dewaxing process. W. J. McGill and C. E. Adams. 1,977,055; Oct. 16.
- Propeller. J. R. Ballard and D. P. Saucier. 1,973,598; Sept. 11.
- Propeller. H. Bates. 1,980,249; Nov. 13.
- Propeller. V. Bendix. 1,967,735; July 24.
- Propeller. M. A. Cutolo. 1,954,309; Apr. 10.
- Propeller. C. G. Eckhold. 1,980,717; Nov. 13.
- Propeller. J. M. Forshee. 1,945,633; Feb. 6.
- Propeller. C. H. Havill. 1,952,066; Mar. 27.
- Propeller. C. H. Havill. 1,952,798-9; Mar. 27.
- Propeller. C. H. Havill. 1,952,801; Mar. 27.
- Propeller. C. H. Havill. 1,952,802; Mar. 27.
- Propeller. C. H. Havill. 1,971,006; Aug. 21.
- Propeller. C. H. Havill. 1,982,162; Nov. 27.
- Propeller. C. H. Havill and M. Mansson. 1,980,272; Nov. 13.
- Propeller. G. F. Houston. 1,942,100; Jan. 2.
- Propeller. G. F. Houston. 1,967,753; July 24.
- Propeller. R. K. Lee and E. F. Zaparka. 1,977,681; Oct. 23.
- Propeller. M. Mansson. 1,952,812; Mar. 27.
- Propeller. F. L. O'Bryan. 1,973,355; Sept. 11.
- Propeller. M. A. Smith, Jr. 1,969,280; Aug. 7.
- Propeller. J. Squires. 1,967,435; July 24.
- Propeller. G. C. Walters, Jr. 1,966,366; July 10.
- Propeller. S. H. Washburne. 1,954,437; Apr. 10.
- Propeller. J. H. Williamson. 1,943,571; Jan. 16.
- Propeller. J. M. Wilson. 1,947,073; Feb. 13.
- Propeller, Adjustable. C. B. Hebbard. 1,957,887; May 8.
- Propeller, Adjustable. T. A. White. 1,956,184; Apr. 24.
- Propeller and manufacturing the same. H. Sukohl. 1,984,044; Dec. 11.
- Propeller and method of making, Metallic. A. A. Handler. 1,957,499; May 8.
- Propeller and rudder mounting, Outboard. D. G. Chandler and R. T. Svendsen. 1,943,288; Jan. 16.
- Propeller and the like. G. S. Selman. 1,981,392; Nov. 20.
- Propeller, Automatic. C. H. Havill. 1,952,800; Mar. 27.
- Propeller blade. F. J. Martens and C. O. Thompson. 1,949,611; Mar. 6.
- Propeller blade adjusting system. J. J. Ring. 1,952,566; Mar. 27.
- Propeller blade for aircraft, Noiseless. J. Cebulski. 1,946,129; Feb. 6.
- Propeller blade pitch gauge. J. B. Kneip. 1,968,837; Aug. 7.
- Propeller blades, Apparatus for machining. H. Vogler. 1,985,752; Dec. 25.
- Propeller blades, Balancing. J. Squires. 1,968,540; July 31.
- Propeller blades, Making. J. Squires. 1,942,221-3; Jan. 2.
- Propeller blades, Making. J. Squires. 1,948,832; Feb. 27.
- Propeller blades, Making. F. E. Weick. 1,965,622; July 10.
- Propeller construction for aircraft. W. P. Perry. 1,973,266; Sept. 11.
- Propeller control. F. and B. Haidle. 1,979,616; Nov. 6.
- Propeller control mechanism. E. A. Briner. 1,982,284; Nov. 27.
- Propeller, Device for indicating direction of rotation of. A. Christen. 1,947,332; Feb. 13.
- Propeller drive. H. C. Edwards. 1,974,356; Sept. 18.
- Propeller, Feathering. T. H. Jackson. 1,981,597; Nov. 20.
- Propeller for aircraft and for ventilations, Variable pitch. E. A. Briner. 1,982,283; Nov. 27.

- Propeller hub. W. S. Hoover. 1,972,485; Sept. 4.
 Propeller hub. A. Rupp. 1,969,664; Aug. 7.
 Propeller, Making a. J. Squires. 1,980,834; Nov. 13.
 Propeller mechanism, Balanced variable thrust. I. B. Laskowitz. 1,953,963; Apr. 10.
 Propeller mechanism for aircraft. F. Donohue, jr. 1,966,382; July 10.
 Propeller mounting. F. Charavay. 1,949,737; Mar. 6.
 Propeller shaft with rubber cushion. H. D. Geyer. 1,979,969; Nov. 6.
 Propeller shafts, Method and apparatus for making. H. L. Waisner. 1,967,487; July 24.
 Propeller, Twin. L. Medina y Pereyra. 1,944,525; Jan. 23.
 Propeller, Variable pitch. R. P. Lansing. 1,982,170; Nov. 27.
 Propeller with auxiliary blades applicable to driving aircraft. E. A. Briner. 1,946,571; Feb. 13.
 Propellers during flight, Device for regulating the pitch of variable pitch. L. Bréguet. 1,980,847; Nov. 13.
 Propellers, Making. M. A. Smith, jr. 1,952,569; Mar. 27.
 Propellers, Process and apparatus for making aerial. T. von Kármán. 1,962,794; June 12.
 Propelling and controlling apparatus for boats, Foot-power. C. F. Millican. 1,961,506; June 5.
 Propelling and steering unit for amusement boats. C. Harrison. 1,958,997; May 15.
 Propelling mechanism for tube forming machines. P. H. Minton. 1,941,993; Jan. 2.
 Proportional determination, Apparatus for. K. E. Stuart. 1,964,775; July 3.
 Proportional gas meter. G. Wünsch. 1,944,339; Jan. 23.
 Propotioning and feeding device. D. N. Randolph. 1,943,039; Jan. 9.
 Propulsion apparatus. R. H. Goddard. 1,980,266; Nov. 13.
 Propulsion device. A. Vischer, jr. 1,985,391; Dec. 25.
 Propulsion device for boats. C. E. Ward. 1,945,210; Jan. 30.
 Propulsion device for vehicles. E. F. Vanderbosch. 1,978,066; Oct. 23.
 Propulsion means. W. R. Mobley. 1,961,237; June 5.
 Propulsion means. W. R. Mobley. 1,977,949; Oct. 23.
 Propulsion means. W. R. Mobley. 1,980,925; Nov. 13.
 Propulsion unit, Auxiliary. J. A. McGrew. 1,952,271-2; Mar. 27.
 Protected filling device. E. M. Boss. 1,982,568; Nov. 27.
 Protecting composition for materials and making and applying the same. E. R. Schaeffer. 1,976,807; Oct. 16.
 Protecting device. H. E. Norviel. 1,945,561; Feb. 6.
 Protecting finger for shuttle housings. T. Engstrom. 1,963,192; June 19.
 Protection device for gas detecting apparatus. V. M. Vertucci. 1,955,897; Apr. 24.
 Protection equipment for electrical lines, Selective. F. Geise and H. Neugebauer. 1,955,329; Apr. 17.
 Protection means for tank closures. A. M. Malluk. 1,965,777; July 10.
 Protection of motor vehicles, aircraft, and the like, in case of accident and against theft. B. D. Bate. 1,956,484; Apr. 24.
 Protective agent, Organo metallic. H. Bradshaw. 1,962,132; June 12.
 Protective agent, Organo-metallic. P. L. Salzberg. 1,965,608; July 10.
 Protective apparatus. R. Wideröe. 1,967,849; July 24.
 Protective apparatus for double string installations. K. A. Hawley. 1,983,903; Dec. 11.
 Protective apparatus for high tension transmission lines. W. A. Heinrich. 1,948,855; Feb. 27.
 Protective apparatus for network protectors, Back-up. J. S. Parsons. 1,953,127; Apr. 3.
 Protective arrangement for alternating current polyphase power transmission systems. R. O. Kapp and C. G. Carrothers. 1,948,717; Feb. 27.
 Protective arrangement for electric circuits. T. W. Ross. 1,950,193; Mar. 6.
 Protective arrangement for electric power lines. R. O. Kapp and C. G. Carrothers. 1,946,859; Feb. 13.
 Protective arrangement for electric power lines. R. O. Kapp and C. G. Carrothers. 1,952,258; Mar. 27.
 Protective coverings to upholstery of furniture, Fastening. J. C. M. Tillinghast. 1,950,198; Mar. 6.
 Protective device. D. I. Bohn. 1,959,017; May 15.
 Protective device. E. A. Dickenson. 1,970,130; Aug. 14.
 Protective device for alternating current transmission lines. G. V. Cruise and S. E. Schultz. 1,960,083; May 22.
 Protective device for commercial oil heating systems. J. W. F. MacDonald. 1,942,436; Jan. 9.
 Protective device for electrical apparatus. W. F. Gakle. L. F. Goss, and H. F. Kollinger. 1,961,608; June 5.
 Protective device for engine lubricating system. R. L. White. 1,977,464; Oct. 16.
 Protective device for hose lines. J. K. Lencke. 1,944,249; Jan. 23.
 Protective device for poles. A. J. Byrd. 1,982,569; Nov. 27.
 Protective device for riser pipes and valves thereon. C. E. Weatherstone. 1,950,335; Mar. 6.
 Protective device for surface condensers and the like. B. E. Meurk. 1,978,166; Oct. 23.
 Protective device for windows. E. A. Callender. 1,945,729; Feb. 6.
 Protective equipment for banks, etc. C. J. Green. 1,981,791; Nov. 20.
 Protective equipment for electrical apparatus. G. A. Moffett. 1,973,538; Sept. 11.
 Protective liquid composition for writing paper. F. S. Wood. 1,951,076; Mar. 13.
 Protective means for coin controlled apparatus. L. H. Morin. 1,945,948; Feb. 6.
 Protective means for the spring plates or washers of valves. G. Aichele and A. Heess. 1,958,935; May 15.
 Protective relay. G. Lesch. 1,955,429; Apr. 17.
 Protective relay system. R. M. Smith. 1,966,189; July 10.
 Protective system. P. D. Andrews. 1,970,411; Aug. 14.
 Protective system. L. N. Crichton, H. C. Graves, and M. R. Feldmann. 1,966,439; July 17.
 Protective system. J. Jonas. 1,953,233; Apr. 3.
 Protective system. J. Jonas. 1,974,139; Sept. 18.
 Protective system. N. J. McAlister. 1,979,754; Nov. 6.
 Protective system. J. W. McNairy. 1,968,611; July 31.
 Protective system. J. S. Parsons. 1,975,172; Oct. 2.
 Protective system for electrical apparatus. T. A. E. Belt. 1,973,520; Sept. 11.
 Protective system for electrical circuits. R. R. Pittman. 1,983,188; Dec. 4.
 Protective system for synchronous motors. R. Keller. 1,945,610; Feb. 6.
 Protective system, Relay. S. E. Schultz. 1,960,091; May 22.
 Protective trap for entrail hasher. W. G. Aust. 1,984,106; Dec. 11.
 Protector; See—
 Apparel protector. Hair dress protector.
 Ash pit protector. Hand protector.
 Athletic protector. Head protector.
 Breast protector. Network protector.
 Cable terminal protector. Oil sand protector.
 Canvas belt slat protector. Pail protector.
 Casket protector. Paint and brush protector.
 Check protector. Pen filling protector.
 Cotton bat protector. Plant protector.
 Curtain protector. Receptacle protector.
 Diaphragm pump. Scalp protector.
 Dress and mouth protector. Sleeve protector.
 Drill pipe protector. Table and shelf protector.
 Ear protector. Telephone station outdoor protector.
 Eye protector. Ticket protector.
 Fan protector. Tug strap protector.
 Filling neck protector. Water gauge protector.
 Flame protector. Wave protector.
 Floor covering seam protector. Well casing protector.
 Garment protector. Wrist watch protector.
 Protector. A. E. Osborn. 1,949,431; Mar. 6.
 Protector boot for the ends of rolls of paper and the like. V. E. Scott. 1,954,848; Apr. 17.
 Protector for cable splices. J. F. Osborne. 1,977,774; Oct. 23.
 Protector for dipper doors. G. B. Heffelfinger. 1,981,267; Nov. 20.
 Protector for drinking vessels. C. R. Trampier, sr. 1,944,045; Jan. 16.
 Protector for electric circuits. L. H. Rovere, E. V. Mott, and R. C. Ayers. 1,969,992; Aug. 14.
 Protector for foods. T. Tighe, jr. 1,973,449; Sept. 11.
 Protector for hose and similar articles. J. M. Patterson. 1,977,775; Oct. 23.
 Protector for lunch buckets. J. H. Alexander. 1,985,558; Dec. 25.
 Protector for nursing bottles or similar article, Nipple. D. E. Hamiel. Des. 93,102; Aug. 21.
 Protector for pies or other commodities. W. J. and C. E. Donovan. 1,978,296; Oct. 23.
 Protector for shoes. M. O. Frost. 1,970,600; Aug. 21.
 Protector for stoves, Wall. M. E. Nordan. 1,970,054; Aug. 14.
 Protector for the fluid supply pipes of agitating apparatus. C. F. Ball. 1,956,521; Apr. 24.
 Protector for tinning connecting rods and the like. W. H. Bagley. 1,943,155; Jan. 9.
 Protector for turpentine collecting receptacles. A. J. Browning. 1,948,783; Feb. 27.
 Protector for windows, Rain and sun. E. Bender. 1,951,268; Mar. 13.
 Protein product and process of making. C. N. Cone and E. D. Brown. 1,955,375; Apr. 17.
 Protein solution and new protein derivative and making same. C. Graenacher. 1,946,159; Feb. 6.
 Protractor. H. Mayfield. 1,975,400; Oct. 2.
 Protractor. E. W. Sandell. 1,944,812; Jan. 23.
 Protractor, bevel gauge, and mitering square, Combined. H. Ahola. 1,983,516; Dec. 11.
 Protractor device. L. E. Tombal. 1,976,861; Oct. 16.
 Protractor, Universal. F. C. Webber. 1,952,344; Mar. 27.
 Proving calculating machine. L. P. Crosman. 1,965,884; July 10.
 Prunes, Preparing and packing. C. B. Pape. 1,976,961; Oct. 16.
 Pry-out for switch boxes and the like. C. Newman and W. O. Roach. 1,941,997; Jan. 2.
 Psyllium seeds, Treating. J. F. Parsons. 1,975,731; Oct. 2.
 Pudding machine. S. R. Blackwell. 1,970,486; Aug. 14.
 Pudding, Duplex. C. Hart. 1,954,172; Apr. 10.
 Puff. I. Englander. 1,975,260; Oct. 2.
 Puff-iron. I. Chapatte. 1,946,929; Feb. 13.
 Pull clamp. N. A. Pinson. 1,948,869; Feb. 27.
 Pull-cord lock. A. Pearson. 1,951,628; Mar. 20.

- Pull for slide fasteners. A. E. Carlile. Des. 91,453; Feb. 6.
- Pull for slide fasteners. A. E. Carlile. Des. 93,204; Sept. 4.
- Pull-over. T. R. Atkins. 1,943,999; Jan. 16.
- Pull rod connection. R. A. Colgin. 1,949,368; Feb. 27.
- Puller: See—
- Axle puller. Hydraulic puller.
 - Car puller. Pipe puller.
 - Crown cap puller. Race puller.
 - Dandelion puller. Spike puller.
 - Drill steel puller. Staple puller.
 - Form puller. Tree puller.
- Puller device. L. H. Damm. 1,953,849; Apr. 3.
- Puller feed machine. J. P. Weis. 1,957,238; May 1.
- Pulling-over machine. J. C. Jorgensen. 1,980,410; Nov. 13.
- Pulling tool. C. M. King. 1,964,470; June 26.
- Pulley. H. T. Hunter. 1,963,913; June 19.
- Pulley. A. G. Marion and W. Wulf. 1,973,350; Sept. 11.
- Pulley. T. H. Shope. 1,968,321; July 31.
- Pulley. C. W. Valentine, P. N. Ottersland, and G. A. Fairbanks. 1,944,284; Jan. 23.
- Pulley. E. Wanamaker. 1,959,972; May 22.
- Pulley. F. C. Wheeler. 1,950,074; Mar. 6.
- Pulley, Ball bearing. A. Ross. 1,975,296; Oct. 2.
- Pulley, Belt. L. B. Green. Des. 92,344; May 29.
- Pulley block, Universal. E. M. Bush. 1,955,942; Apr. 24.
- Pulley, Composite. W. H. Nichols and B. H. Dow. 1,952,884; Mar. 27.
- Pulley construction. E. F. McKinney. 1,957,029; May 1.
- Pulley, Expansion. J. R. Hertenstein. 1,943,435; Jan. 16.
- Pulley, Hinge pin. J. G. Meiners. 1,943,983; Jan. 16.
- Pulley, Multigrooved. R. H. Bowen. 1,944,779; Jan. 23.
- Pulley, Safety. J. A. Harding. 1,975,940; Oct. 9.
- Pulley, Shade cord. R. B. Johnson. 1,964,205; June 26.
- Pulley, Sheet metal. T. C. Knudsen. 1,976,025; Oct. 9.
- Pulley, Universal. A. Nault. 1,982,141; Nov. 27.
- Pulp and other lignified materials, Bleaching. G. H. Tomlinson. 1,970,065; Aug. 14.
- Pulp and paper making machine. R. Carpenter. 1,971,296; Aug. 21.
- Pulp and treatment of residual liquors, etc., Production of. L. Bradley and E. P. McKeefe. 1,983,789; Dec. 11.
- Pulp and valve, Combined. J. T. Janette. 1,955,549; Apr. 17.
- Pulp, Apparatus for bleaching. M. F. McCombs. 1,953,022; Mar. 27.
- Pulp, Apparatus for the manufacture of. C. B. Thorne. 1,975,301; Oct. 2.
- Pulp article, Molded. M. P. Chaplin. 1,979,794; Nov. 6.
- Pulp article, Molded. F. Kronenberger. 1,956,955; May 1.
- Pulp articles, Mechanism for and method of forming. A. W. Morris. 1,955,249; Apr. 17.
- Pulp articles, Producing molded. M. P. Chaplin. 1,946,437; Feb. 6.
- Pulp beating and washing machine. M. A. Mills. 1,969,420; Aug. 7.
- Pulp beating machine. M. A. Mills. 1,955,758; Apr. 24.
- Pulp chips, Apparatus for forming. W. I. Brown. 1,985,479; Dec. 25.
- Pulp, etc., Production of. L. Bradley and E. P. McKeefe. 1,973,557; Sept. 11.
- Pulp forming process. E. Stafford. 1,981,573; Nov. 20.
- Pulp from fibrous material, Making. O. Kreissler. 1,942,760; Jan. 9.
- Pulp from printed paper, Recovery of. A. B. Davis, J. F. Thompson, and A. T. Gardner. 1,975,771; Oct. 9.
- Pulp, Manufacture of. C. K. Textor. 1,970,258; Aug. 14.
- Pulp, Manufacturing. A. Gustin. 1,961,351; June 5.
- Pulp, Method and apparatus for the production of. T. L. Dunbar and G. E. Fulton. 1,983,793; Dec. 11.
- Pulp-molding machine. E. B. Belcher. 1,956,975; May 1.
- Pulp molding machine. E. C. Healy. 1,967,361; July 24.
- Pulp, Process and apparatus for the manufacture of. C. B. Thorne. 1,947,888-9; Feb. 20.
- Pulp refiner. H. G. Welsford and A. N. Russell. 1,961,808; June 5.
- Pulp refining and the like and apparatus therefor. F. S. Farley and R. B. Brown. 1,984,869; Dec. 18.
- Pulp, Screening. E. J. Trimby. 1,978,443; Oct. 30.
- Pulp screening machine. A. J. Haug. 1,974,651; Sept. 25.
- Pulp selector, Continuous. H. D. Wells. 1,951,684; Mar. 20.
- Pulp stock, Apparatus for purifying. S. C. Lindberg. 1,967,032; July 17.
- Pulp stock, Apparatus for purifying. S. C. Lindberg. 1,974,679; Sept. 25.
- Pulp stock delivery to a paper-making machine, Method of and apparatus for preparing. P. Dennett. 1,965,579; July 10.
- Pulp tester. A. B. Green. 1,985,321; Dec. 25.
- Pulpwood rosser. R. J. MacDonald. 1,952,931; Mar. 27.
- Pulsation apparatus, Variable. C. G. Suits. 1,952,186; Mar. 27.
- Pulsation eliminator for rayon systems. R. H. McKee. 1,958,009; May 8.
- Pulsations in an alternating current circuit, Apparatus for producing. C. G. Suits. 1,952,636; Mar. 27.
- Pulsations in an alternating-current circuit, Producing. C. G. Suits. 1,952,637; Mar. 27.
- Pulsator for milking machines. J. and A. Persoons. 1,949,875; Mar. 6.
- Pulsator for milking machines, Automatic pneumatic. C. H. Hapgood. 1,960,702; May 29.
- Pulsator releaser for milking machines. G. S. Gordon. 1,952,544; Mar. 27.
- Pulverized coal burner. J. E. Kennedy. 1,967,673; July 24.
- Pulverized fuel burner. J. E. Kennedy and J. Laboulais. 1,957,965; May 8.
- Pulverized fuel furnace. W. Kempf. 1,944,086; Jan. 16.
- Pulverizer. S. McMahan. 1,977,771; Oct. 23.
- Pulverizer. W. W. Pettibone. 1,967,323; July 24.
- Pulverizer. C. D. St. Clair. 1,944,474; Jan. 23.
- Pulverizer and separator. G. H. Fraser. 1,943,306; Jan. 16.
- Pulverizer and separator. G. H. Fraser. 1,967,236; July 24.
- Pulverizer and weeder, Combined. C. R. and F. Bowen. 1,952,651; Mar. 27.
- Pulverizer, Crush. M. Konrad. 1,950,851; Mar. 13.
- Pulverizer, Jet impact. P. Anger. 1,971,092; Aug. 21.
- Pulverizing and granulating mill. P. W. Kennedy. 1,981,415; Nov. 20.
- Pulverizing apparatus for coal, etc. F. G. Parker. 1,953,125; Apr. 3.
- Pulverizing machine. E. E. Elzemeyer and H. C. Griesedieck. 1,947,700; Feb. 20.
- Pulverizing machine. P. A. Hirsch. 1,955,960; Apr. 24.
- Pulverizing process and apparatus. W. B. Pedelft. Re19,049; Jan. 16.
- Pulverous material injector. A. T. Dudley. 1,960,435; May 29.
- Pump: See—
- Acid resisting pump.
 - Air pump.
 - Automatic pump.
 - Balanced turbulence pump.
 - Booster pump.
 - Centrifugal pump.
 - Constant volume pump.
 - Deep well pump.
 - Diaphragm pump.
 - Discharge pump.
 - Dispensing pump.
 - Displacement pump.
 - Double action valve pump.
 - Double casing pump.
 - Electromagnetic pump.
 - Fluid operated pump.
 - Fluid pump.
 - Fuel injection pump.
 - Fuel pump.
 - Gate type rotary pump.
 - Gear pump.
 - Liner pump.
 - Liquid and gas spray pump.
 - Liquid dispensing pump.
 - Liquid measuring pump.
 - Liquid pump.
 - Lubricating pump.
 - Lubricator pump.
 - Metering pump.
 - Mixing pump.
 - Molecular vacuum pump.
 - Oil pump.
 - Oil well pump.
 - Piston pump.
 - Plunger pump.
 - Portable grease pump.
 - Radial piston pump.
 - Reciprocating pump.
 - Refrigerator pump.
 - Rotary gas pump.
 - Rotary pump.
 - Sandproof pump.
 - Sirup pump.
 - Slush pump.
 - Stamped fuel pump.
 - Steam jet pump.
 - Submersible pump.
 - Suction producing pump.
 - Turbine pump.
 - Vacuum and compression pump.
 - Vacuum condensation pump.
 - Vacuum pump.
 - Variable delivery pump.
 - Variable displacement pump.
 - Vehicle pump.
 - Water circulating pump.
 - Well pump.
- Pump. O. W. Andersen. 1,947,148; Feb. 13.
- Pump. S. T. Ball and C. E. Rymtes. 1,958,689; May 15.
- Pump. E. W. Beidler and W. L. Davis. 1,952,834; Mar. 27.
- Pump. E. Benedek. 1,945,391; Jan. 30.
- Pump. J. C. Bird. 1,981,025; Nov. 20.
- Pump. A. Bohnenblust. Re19,310; Sept. 11.
- Pump. C. F. Brandenberger. 1,957,007; May 1.
- Pump. A. W. Burke. Re19,101; Mar. 6.
- Pump. H. H. Campbell. 1,963,350; June 19.
- Pump. E. H. Carruthers. 1,979,863; Nov. 6.
- Pump. T. E. Cline and R. E. Tipton. 1,981,991; Nov. 27.
- Pump. L. M. Cotchett. 1,982,497; Nov. 27.
- Pump. J. K. Douglas. 1,974,134; Sept. 18.
- Pump. A. C. Durdin, jr. 1,959,710; May 22.
- Pump. W. Ferris and G. Macomber. 1,970,133; Aug. 14.
- Pump. A. D. Gardner. 1,969,881; Aug. 14.
- Pump. W. E. Gee. 1,981,619; Nov. 20.
- Pump. N. E. Gunderson. 1,974,183; Sept. 18.
- Pump. C. F. Hess. 1,960,703; May 29.
- Pump. G. L. Hess and L. F. Phillips. 1,973,070; Sept. 11.
- Pump. F. G. Hodsdon. 1,964,515; June 26.
- Pump. H. Hueber. 1,942,646; Jan. 9.
- Pump. A. J. Kovach. 1,946,166; Feb. 6.
- Pump. L. H. Labaw. 1,979,476; Nov. 6.
- Pump. H. E. La Bour. 1,966,896; July 17.
- Pump. H. E. La Bour. 1,972,304; Sept. 4.
- Pump. L. Lafont. 1,974,678; Sept. 25.
- Pump. G. Larsen. 1,967,580; July 24.
- Pump. D. A. Meeker. 1,967,316; July 24.
- Pump. A. J. Meyer. 1,975,965; Oct. 9.
- Pump. P. S. Morgan. 1,942,441; Jan. 9.
- Pump. W. A. O'Bannon. 1,962,998; June 12.
- Pump. E. G. Ofeldt. 1,966,356; July 10.
- Pump. Le R. A. Prescott. 1,956,876; May 1.
- Pump. L. Saussard. 1,944,648; Jan. 23.
- Pump. O. J. Schmidt. 1,957,360; May 1.
- Pump. H. Schoene. 1,972,204; Sept. 4.
- Pump. P. L. Scott. 1,965,006; July 3.
- Pump. P. L. Scott. 1,973,180-1; Sept. 11.
- Pump. P. L. Scott. 1,976,415-16; Oct. 9.

- Pump. P. L. Scott. 1,978,232; Oct. 23.
 Pump. W. A. Shallenberg. 1,976,464; Oct. 9.
 Pump. J. M. Shimer. 1,963,684; June 19.
 Pump. W. A. Tanner. 1,982,887; Dec. 4.
 Pump. B. W. and S. W. Traylor, jr. 1,949,589; Mar. 6.
 Pump. P. L. Vaudet and F. A. Guitant. 1,966,694; July 17.
 Pump. C. B. Walker. 1,976,642; Oct. 9.
 Pump. V. E. Welch. 1,966,325; July 10.
 Pump. A. Wicha. 1,984,447; Dec. 18.
 Pump. W. W. Willoughby. 1,956,112; Apr. 24.
 Pump and cushioning device therefor. J. P. Laird. 1,952,994; Mar. 27.
 Pump and drive means therefor. Fluid. W. König. 1,978,866; Oct. 30.
 Pump and jack. Pneumatic. W. A. Dry. 1,983,444; Dec. 4.
 Pump and motor control mechanism. Gear. R. A. Schafer. 1,946,503; Feb. 13.
 Pump and motor. Fluid. O. O. Stageberg. 1,977,780; Oct. 23.
 Pump and motor of hydraulic transmission gear. Hydraulic. R. J. Smith, C. A. Newton, and R. C. Roe. 1,981,757; Nov. 20.
 Pump and motor mechanism. R. G. Fear. 1,943,664; Jan. 16.
 Pump and mounting plate therefor. Rotary. E. W. Beidler. 1,957,038; May 1.
 Pump and the like. Jet. J. Stephens. 1,958,354; May 8.
 Pump and turbine operations. Apparatus for controlling. C. B. Spellman. 1,947,808; Feb. 20.
 Pump and vending machine. Combined filling station. C. Walker. 1,946,372; Feb. 6.
 Pump apparatus. S. L. Menge. 1,955,199 Apr. 17.
 Pump apparatus for fire extinguishing systems. Booster. J. R. Hamilton. 1,941,683; Jan. 2.
 Pump assembly. D. J. Moran and E. O. Bennett. 1,968,566; July 31.
 Pump attachment for internal combustion motors. J. Goodwin. 1,951,279; Mar. 13.
 Pump attachment for pneumatic swabs. N. H. Ricker. 1,970,917; Aug. 21.
 Pump balancing means. Multistage. W. H. Noble. 1,978,277; Oct. 23.
 Pump, compressor, engine and the like. Rotary. M. R. Hutchison, jr. 1,983,034; Dec. 4.
 Pump, compressor, or the like. Rotary. M. R. Hutchison, jr. 1,972,302; Sept. 4.
 Pump, compressor, or the like. Rotary. M. R. Hutchison, jr. 1,983,033; Dec. 4.
 Pump construction and lubrication thereof. I. M. Phillips and P. W. Kalinsey. 1,961,451; June 5.
 Pump construction. Proportioning. A. J. Boynton, P. Zimmermann, and C. O. Hague. 1,964,028; June 26.
 Pump construction. Self-priming. R. G. Barzen. 1,948,366; Feb. 20.
 Pump construction. Spray. A. Goulard and H. G. Olena. 1,984,340; Dec. 11.
 Pump control. J. P. Ferris and C. E. Fyfe. 1,974,138; Sept. 18.
 Pump control. P. Hösel. 1,970,380; Aug. 14.
 Pump control. C. E. Weaver. 1,945,011; Jan. 30.
 Pump control device. F. L. Badgett. 1,945,105; Jan. 30.
 Pump control for water systems. Electrical. D. D. Hester. 1,957,595; May 8.
 Pump control means. H. Hillier. 1,965,288; July 3.
 Pump controlling apparatus. W. H. Wineman. 1,968,864; Aug. 7.
 Pump cut-out. Fuel. O. Schelling. 1,957,556; May 8.
 Pump cylinder. Double acting. P. A. Myers. 1,943,034; Jan. 9.
 Pump-down plug. F. Stone and R. L. Engstrom. 1,949,498; Mar. 6.
 Pump driving mechanism. J. P. French. 1,984,735; Dec. 18.
 Pump, engine, variable speed power transmitter, or brake. Rotary fluid pressure. R. Warren. 1,960,035; May 22.
 Pump for artificial silk spinning machines. Gear-wheel. F. Sieper. 1,943,491; Jan. 16.
 Pump for bearings. Oil circulating. C. T. Raule. 1,973,099; Sept. 11.
 Pump for cellulose compounds. Metering. F. McIntyre. 1,972,271; Sept. 4.
 Pump for Diesel engines. Fuel. A. Dussmann. 1,949,789; Mar. 6.
 Pump for embalming and other purposes. Multiple. P. D. Lyons and G. E. Walter. 1,974,964; Sept. 25.
 Pump for gas engines. Pneumatic starter. W. O. Bickerstaff. 1,963,256; June 19.
 Pump for gasoline engines. Fuel. G. R. Welch. 1,984,614; Dec. 18.
 Pump for granular paste-like materials such as concrete. P. A. R. Frank. 1,977,941; Oct. 23.
 Pump for grease or the like. Motor driven. H. Albertine. 1,962,419; June 12.
 Pump for greases, etc. Hand. W. P. Valentine. 1,942,367; Jan. 2.
 Pump for internal combustion engine. Fuel. F. A. Thaheld. 1,976,151; Oct. 9.
 Pump for internal combustion engines. Fuel. H. A. Bohuslav. 1,951,340; Mar. 20.
 Pump for internal combustion engines. Fuel. K. J. E. Hesselman. 1,944,320; Jan. 23.
 Pump for internal combustion engines. Fuel. A. A. Sidney. 1,945,452; Jan. 30.
 Pump for internal combustion engines. Fuel injection. B. Bischof. 1,944,919; Jan. 30.
 Pump for internal combustion engines. Fuel injection. G. J. P. J. J. Brun. 1,956,612; May 1.
 Pump for internal combustion engines. Fuel injection. F. and E. Carter. 1,962,551; June 12.
 Pump for internal combustion engines. Injection. J. F. Hermann. 1,955,383; Apr. 17.
 Pump for liquid fuel and other liquids. F. J. S. Jones. 1,973,486; Sept. 11.
 Pump for liquid fuel supply systems. W. C. Carter. 1,985,281; Dec. 25.
 Pump for lubrication purposes. Hand-operated suction and pressure. H. Kreidel. 1,945,555; Feb. 6.
 Pump for molten metal and the like. J. E. Rhoads and G. H. White. 1,947,876; Feb. 20.
 Pump for oil burners and the like. N. Walker and E. H. Davis. 1,970,679; Aug. 21.
 Pump for piles. Displacement. G. J. Atwell. 1,962,473; June 12.
 Pump for pressure tanks. Air. B. W. Tullis. 1,966,321; July 10.
 Pump for pumping molten metal. G. H. White. 1,947,818; Feb. 20.
 Pump for refrigerating apparatus. H. A. Greenwald. 1,955,958; Apr. 24.
 Pump for refrigerating devices. H. Hendriks, W. A. Dean, and T. W. Campbell. 1,963,993; June 26.
 Pump for solid injection oil engines. Fuel injection. P. Belyavin. 1,955,526; Apr. 17.
 Pump for typographical machines. Metal. R. H. Turner. 1,972,837; Sept. 4.
 Pump for use in wells. J. Penrod. 1,983,490; Dec. 4.
 Pump. Gasoline. J. E. Jones. Des. 92,354; May 29.
 Pump head. Adjustable. G. S. Coats. 1,974,014; Sept. 18.
 Pump head and lubricating system therefor. Deep well turbine. R. E. Swanson. 1,945,833; Feb. 6.
 Pump impeller. Centrifugal. A. Hollander and W. L. Forward. 1,975,274; Oct. 2.
 Pump impeller. Rotary. B. S. Carr. 1,946,273; Feb. 6.
 Pump installation. Fuel. H. Ford. 1,963,658; June 19.
 Pump intake mechanism. M. W. Carroll. 1,971,330; Aug. 28.
 Pump jack. B. G. Goble. 1,945,774; Feb. 6.
 Pump jack for wells. Hydraulic. R. D. Hill. 1,974,155; Sept. 18.
 Pump lining. V. J. Milkowski. 1,952,179; Mar. 27.
 Pump locking device. G. W. Fuller. 1,957,011; May 1.
 Pump machine. Rotary. G. E. T. Eyston. 1,945,220; Jan. 30.
 Pump, motor, compressor or the like. B. Conklin. 1,979,868; Nov. 6.
 Pump operating mechanism. P. A. Frimand. 1,959,098; May 15.
 Pump operating mechanism. H. A. Palmer. 1,954,712; Apr. 10.
 Pump operating mechanism. O. Watson. 1,984,667; Dec. 18.
 Pump or blower. Balanced variable delivery. I. B. Las-kowitz. 1,972,780; Sept. 4.
 Pump or compressor. E. Kägi. 1,960,267; May 29.
 Pump or compressor. C. Zerzi. 1,983,261; Dec. 4.
 Pump or compressor. Multicylinder oscillating. F. A. Smith. 1,977,740; Oct. 23.
 Pump or grease gun. Greasing. F. Clare. 1,972,619; Sept. 4.
 Pump or impeller. A. Himmel. 1,949,796; Mar. 6.
 Pump or motor. C. O. J. Montellius. 1,965,557; July 3.
 Pump or motor for hydraulic transmission systems. W. C. Muller. Re19,549; Oct. 23.
 Pump or motor. Rotary. R. English. 1,984,365; Dec. 18.
 Pump or motor. Variable capacity. W. C. Muller. 1,961,592; June 5.
 Pump or motor. Variable displacement. G. Johnson. 1,974,961; Sept. 25.
 Pump or power transmission mechanism. Rotary. W. H. Yandell. 1,964,492; June 26.
 Pump or the like. Rotary. F. Webb and E. R. Glade. 1,965,872; July 10.
 Pump plunger. R. H. Lemmon. 1,956,868; May 1.
 Pump unit. S. H. Hobson. 1,947,551; Feb. 20.
 Pump unit. Detachable and adjustable motor driven. M. E. Zimmerer. 1,970,681; Aug. 21.
 Pump unit. Electric submergible. A. Arutunoff. 1,951,919; Mar. 20.
 Pump valve. L. L. Carson. Re19,088; Feb. 20.
 Pump valve. H. M. Chase. 1,964,249; June 26.
 Pump valve. A. E. Evans. 1,974,533; Sept. 25.
 Pump valve. E. E. Greve. 1,968,200; July 31.
 Pump valve. E. E. Greve. 1,971,713; Aug. 28.
 Pump valve. E. E. Greve. 1,933,797; Dec. 11.
 Pump valve. J. L. Paterson and A. B. Edwards. 1,949,874; Mar. 6.
 Pump valve. J. W. Robisch. 1,963,867; June 19.
 Pump valve. R. T. Royce. 1,966,264; July 10.
 Pump with accessible body. Fuel. A. M. Babitch. 1,957,753; May 8.
 Pumping. T. Bellocq. 1,941,593; Jan. 2.
 Pumping and distributing mechanism. E. W. Dilg. 1,971,601; Aug. 28.
 Pumping apparatus. A. W. Burks. 1,960,659; May 29.
 Pumping apparatus. R. Deming. 1,980,986; Nov. 20.
 Pumping apparatus. Sealed. F. R. West. 1,955,992; Apr. 24.
 Pumping device. H. W. Parker. 1,979,342; Nov. 6.
 Pumping device. F. G. Schweisthal. 1,982,966; Dec. 4.

- Pumping device and method. H. W. Parker. 1,950,624; Mar. 13.
- Pumping equipment. R. V. Cook and F. H. Bradford. 1,964,032; June 26.
- Pumping jack. R. L. Austin. 1,953,903; Apr. 3.
- Pumping jack. J. Minnich. 1,964,670; June 26.
- Pumping jack. C. M. Ratley. 1,976,633; Oct. 9.
- Pumping mechanism. O. Baur. 1,957,435; May 8.
- Pumping mechanism. H. B. Cochrane and U. Sprinchorn. 1,985,283; Dec. 25.
- Pumping mechanism. R. O. Dulaney. 1,967,746; July 24.
- Pumping mechanism. E. J. Svenson. 1,978,480; Oct. 30.
- Pumping mechanism, Long stroke. C. J. Coberly. 1,970,596; Aug. 21.
- Pumping power. C. M. Anderson. 1,959,806; May 22.
- Pumping system. R. V. Cook. 1,964,034; June 26.
- Pumping system. W. N. Squires. 1,961,602; June 5.
- Pumping system. C. I. Whipple. 1,953,453; Apr. 3.
- Pumping system, Underground. R. V. Cook. 1,964,033; June 26.
- Pumping unit. D. L. Caldwell. 1,982,634; Dec. 4.
- Pumping unit. S. H. Hobson. 1,953,606; Apr. 3.
- Pumping unit. T. S. Park. 1,970,620; Aug. 21.
- Pumping unit for refrigerating apparatus. M. C. Terry. 1,945,338; Jan. 30.
- Pumping unit, Straight lift. C. M. Livingston. 1,979,803; Nov. 6.
- Pumping unit, Twin crank. A. R. Maier. 1,972,660; Sept. 4.
- Pumps, Auxiliary means for fuel. J. Zubaty and A. M. Babitch. 1,944,340; Jan. 23.
- Pumps, compressors, and the like, Mechanism for. H. L. Kempthorne. 1,965,976; July 10.
- Punch. F. Hinds. 1,976,992; Oct. 16.
- Punch. W. F. and A. W. Jurey. 1,949,308; Feb. 27.
- Punch. V. Kalfus. 1,948,215; Feb. 20.
- Punch. H. D. Snyder. 1,968,322; July 31.
- Punch board machine. J. P. Frey. 1,946,736; Feb. 13.
- Punch, Can. G. D. McNeill. 1,973,992; Sept. 18.
- Punch, Can. W. E. Pope. 1,973,777; Sept. 18.
- Punch, Gang. E. A. Ford. 1,965,975; July 10.
- Punch, Hand. A. R. Heise. 1,962,193; June 12.
- Punch, Key cutting. L. J. Caron. 1,959,813; May 22.
- Punch press apparatus, Duplicating. S. G. Plummer. 1,967,626; July 24.
- Punch retainer. C. B. Wallman. 1,979,059; Oct. 30.
- Punch, Shoe strap. J. Senik and H. Moranville. 1,962,914; June 12.
- Punching device. E. A. Ford. 1,954,042; Apr. 10.
- Punching device. J. M. Miller. 1,958,972; May 15.
- Punching die for rail anchors. E. R. Lehman. 1,969,514; Aug. 7.
- Punching machine. W. F. Gutresell. 1,978,900; Oct. 30.
- Punching machine. W. W. Lasker. 1,985,101; Dec. 18.
- Punching machine. N. S. Welk. 1,981,932; Nov. 27.
- Punching machine. C. L. Werk, Jr. 1,945,794; Feb. 6.
- Punching machine, Automatic. M. Maul. 1,946,913; Feb. 13.
- Punching machine for records. M. Maul. 1,962,607; June 12.
- Punching machine, Record controlled. J. W. Bryce and H. L. Haltermann. 1,962,732; June 12.
- Punchings, Holding primary. J. L. Brown and H. J. Bowen. 1,976,541; Oct. 9.
- Puncture repair device. B. W. Spittler. 1,967,977; July 24.
- Pureer. L. Heyman. 1,966,721; July 17.
- Purification of gases. D. A. Rogers. 1,968,655; July 31.
- Purification process. J. P. Cox and H. K. McIntyre. 1,964,906; July 3.
- Purification, Tensional system of. C. G. Hawley. 1,955,064; Apr. 17.
- Purifier. W. H. Fulton. 1,949,934; Mar. 6.
- Purifier for dry cleaning apparatus. H. Lindenberger. 1,985,877; Dec. 25.
- Purine compounds and preparing them, Mercury containing. C. L. Lautenschlager, M. Bockmühl, and W. Persch. 1,948,179; Feb. 20.
- Purpurin, Manufacture of. H. R. Lee and E. C. Buxbaum. 1,985,452; Dec. 25.
- Purse, Coin slot. E. Weimar. 1,981,975; Nov. 27.
- Purse, Lady's. G. J. Lynn. Des. 93,987; Dec. 4.
- Push bench die holder. S. Smith. 1,977,327; Oct. 16.
- Push bench tube die. J. R. Garner. 1,952,245; Mar. 27.
- Push button control system, Intercepting. El. L. Gale. 1,983,748; Dec. 11.
- Pushpin. J. Komorous. 1,980,758; Nov. 13.
- Push-pull connection for amplifying electric oscillations. K. Posthumus. 1,968,260; July 31.
- Pusher rod, Self-adjusting. O. F. Fredrickson. 1,983,127; Dec. 4.
- Pushing and pulling implement. G. A. Countryman. 1,946,352; Feb. 6.
- Putting device. T. A. McCarthy. 1,961,060; May 29.
- Putting device, Portable. W. H. Stayton and L. Livingston. 1,973,518; Sept. 11.
- Putty guard and window pane holder. J. Sakowski. 1,983,246; Dec. 4.
- Puzzle. W. H. Larsen. Des. 92,617; June 26.
- Puzzle and support therefor. R. E. Roberts. 1,975,667; Oct. 2.
- Puzzle, Block. T. C. Graham and W. J. Fletcher. Des. 93,344; Sept. 18.
- Puzzle lock. L. Zeumer, geb. Kleiber. 1,980,513; Nov. 13.
- Puzzle, Multiple jigsaw. W. A. Parks. 1,964,007; June 26.
- Puzzle section carrying device. A. J. Liebl. 1,947,947; Feb. 20.
- Pyranthrone and making same, Halogenated. J. Deinet. 1,975,256; Oct. 2.
- Pyranthrone-halogen complex addition compound and making the same. J. Deinet and D. Katz. 1,975,257; Oct. 2.
- Pyridines, Halogenating. J. P. Wibaut and H. J. den Hertog, Jr. 1,977,662; Oct. 23.
- Pyridines, Purification and hydrogenation of. I. Gubelmann and C. O. Henke. 1,975,843; Oct. 9.
- Pyrites fines, Roasting. R. F. Bacon and W. Judson. 1,941,592; Jan. 2.
- Pyritic smelting and recovery of sulphur. N. E. Lenander. 1,969,021; Aug. 7.
- Pyrometer. H. N. Packard. 1,942,519; Jan. 9.
- Pyrometer and casing therefor. A. W. Diack. 1,951,650; Mar. 20.
- Pyrometer lamp. E. M. Watson. 1,970,407; Aug. 14.
- Pyrophoric lighting mechanism. L. V. Aronson. 1,985,274; Dec. 25.
- Pyrophosphates, Producing. A. H. Fiske and C. S. Bryan. 1,984,968; Dec. 18.
- Pyrotechnic. K. Kohn. 1,971,529; Aug. 28.
- Pyrotechnic composition for producing brown smoke. G. U. Graff. 1,975,099; Oct. 2.
- Pyrotechnic composition for producing orange smoke. G. U. Graff. 1,975,785; Oct. 9.
- Pyrotechnic device. H. Clauser. 1,980,910; Nov. 13.
- Pyrotechnic device. J. B. Decker and H. C. Clauser. 1,974,015; Sept. 18.
- Pyrotechnical articles and the like, Process and apparatus for charging. W. G. Thrasher. 1,946,042; Feb. 6.
- Pyroxylin plastic, particularly sheets, Seasoning. G. C. Gress. 1,958,140; May 8.
- Pyroxylin sheet material. G. E. Alling. 1,945,250; Jan. 30.
- Pyroxylin tubing, Making. H. Kaufman. 1,962,077; June 5.
- Quadding and centering device for typographical machines. S. E. Sperry. 1,970,527; Aug. 14.
- Quartering and pin turning apparatus. F. Dustan. 1,962,179; June 12.
- Quartz crystal mounting. G. L. Usselman. 1,969,339; Aug. 7.
- Quartz mercury arc lamp. L. F. Bird. 1,952,306; Mar. 27.
- Quartz oscillators, Arrangement for. W. Kummerer. 1,946,698; Feb. 13.
- Quartz plate for half-shade polarimeters. R. Richter. 1,943,554; Jan. 16.
- Quebrachitol, Nitrating. C. E. Burke and R. McGill. 1,962,172; June 12.
- Queen bee excluder. C. E. Chrysler. 1,982,419; Nov. 27.
- Quetch. W. J. Koch. 1,942,605; Jan. 9.
- Quetch. G. W. Lane. 1,942,606; Jan. 9.
- Quick release device. U. A. Whitaker. 1,942,503; Jan. 9.
- Quilling machine. G. Adsit. 1,973,841; Sept. 18.
- Quills for shuttles, Forming. F. Mossberg. 1,971,117; Aug. 21.
- Quilting apparatus, Portable. H. I. Kirkpatrick. 1,951,246; Mar. 13.
- Quilting frame. H. B. Donnelly. 1,949,533; Mar. 6.
- Quilting frame. B. E. Price. 1,945,329; Jan. 30.
- Quilting frame. J. H. Rust. 1,954,227; Apr. 10.
- Quinoline derivatives and preparing them. O. Eisleb. 1,967,356; July 24.
- Quinoline-8-azo compounds of the quinine series. G. Giemsa, M. Oesterlin, and B. Pützer. 1,972,988; Sept. 11.
- Quinoline yellow bases, Production of. J. Ogilvie. 1,963,374; June 19.
- Quinone compound and its production, Meno and dipyrindino. M. A. Kunz, G. Kochendorfer, and K. Koeberle. 1,978,540; Oct. 30.
- Quinoxaline compounds. G. Maffei. 1,972,270; Sept. 4.
- Quirker. R. G. McBride. 1,979,202; Oct. 30.
- Quoin. E. J. Scott and W. M. Cutler. 1,953,691; Apr. 3.
- Quoin for locking type. J. G. Zim. 1,953,668; Apr. 3.
- Quoin, Printer's. H. Klein. 1,955,638; Apr. 17.
- Quoin, Printer's. J. E. Lee and F. Barney. 1,948,821; Feb. 27.
- Quotation board indicating apparatus. M. J. Reynolds. 1,952,513; Mar. 27.
- Quotation board system and apparatus. R. Hoover and E. R. Wheeler. 1,972,341; Sept. 4.
- Quotation projection or similar apparatus. A. D. Eitzen. 1,944,174; Jan. 23.
- Rabbit plane. R. Wolf. 1,980,737; Nov. 13.
- Rabbling device. T. J. Jamison. 1,942,553; Jan. 9.
- Race puller. L. C. Beard. 1,958,330; May 8.
- Race track equipment. W. E. Golden. 1,942,642; Jan. 9.
- Race track illumination. G. F. Cahill. 1,983,734; Dec. 11.
- Raceway members, Making. D. P. Hess. 1,967,821; July 24.
- Racing apparatus. E. L. Ballew. 1,984,452; Dec. 18.
- Racing lure escapement. W. M. Bacon, Jr. 1,961,997; June 5.
- Racing plate. L. Liepman. 1,951,700; Mar. 20.
- Rack; See—
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| Article rack. | Clothier's rack. |
| Bottle dispensing rack. | Compositor's copy rack. |
| Bottle drying rack. | Convertible rack. |
| Bread rack. | Counter set-up rack. |
| Cabinet drying rack. | Dish rack. |
| Casket rack. | Display and storage rack. |
| Cloth winding rack. | Display rack. |
| Clothes drying rack. | Drying rack. |
| Clothes rack. | Egg tray rack. |

Rack: See—

Floral rack.
Foldable rack.
Folding rack.
Gun rack.
Hat rack.
Medicine shelf rack.
Merchandise display rack.
Multiple copy rack.
Necktie rack.
Parcel rack.
Pipe rack.
Plaster rack.
Plating rack.
Portable rack.
Rack. O. C. Botz. 1,955,668; Apr. 17.
Rack. H. H. Fante. 1,947,932-3; Feb. 20.
Rack. E. Hanson. 1,956,678; May 1.
Rack. A. S. Hickerson. 1,968,644; July 31.
Rack. J. C. James. 1,968,399; July 31.
Rack. L. T. Le Febure. 1,966,555; July 17.
Rack. O. Quisenberry. 1,946,711; Feb. 13.
Rack. W. W. Wolfe. 1,975,651; Oct. 2.
Rack and press, Combination necktie. E. E. Moreau. Des. 93,840; Nov. 13.
Rack and score board, Combination pool ball. H. Hansen. 1,966,499; July 17.
Rack and tire carrier, Luggage. R. F. Newton. 1,979,809; Nov. 6.
Rack construction. C. J. Lemont. 1,954,675; Apr. 10.
Rack for automobiles and the like, Service. J. E. G. Frost and F. E. French. 1,959,468; May 22.
Rack for baking tins and the like. W. L. Painter. 1,952,457; Mar. 27.
Rack for doors, Covered. H. Derman. 1,984,827; Dec. 18.
Rack for folding chairs. B. Deland. 1,963,835; June 19.
Rack for magazines and the like, Display. F. Newquist. 1,942,726; Jan. 9.
Rack for periodicals, Display. F. Freson. 1,949,200; Feb. 27.
Rack for refrigerators, ovens, and the like. C. T. Hatch. 1,946,532; Feb. 13.
Rack for supporting pipe fitting nipples. J. F. Arthur. 1,978,290; Oct. 23.
Rack for trucks, Detachable. J. T. Earle. 1,945,969; Feb. 6.
Rack or similar article, Shoe. C. S. Jennings. Des. 93,021; Aug. 14.
Rack or slide for cooking stoves or the like. A. H. Moecker. 1,974,830; Sept. 25.
Rack or stand, Display. E. B. Weston. 1,961,870; June 5.
Racket. B. Panker. 1,954,327; Apr. 10.
Racket, Ping pong. L. E. Baltzley. 1,961,473; June 5.
Racket stringer. C. Whitton and A. H. Walker. 1,958,326; May 8.
Rackets and the like, Manufacture of tennis. R. J. Nash. 1,982,448; Nov. 27.
Rackets with strings, Stringing tennis. S. Tauber and L. Fischmann. 1,943,400; Jan. 16.
Raddle, Grain drag. L. Mollenkamp. 1,964,327; June 26.
Radial piston pump, Constant delivery. E. K. Benedek and H. F. MacMillan. 1,964,245; June 26.
Radial pump, Variable delivery. E. K. Benedek. 1,964,244; June 26.
Radiant burner. H. T. Bellamy. 1,950,470; Mar. 13.
Radiant combustion chamber, Turbulent. S. F. Walton. 1,970,529; Aug. 14.
Radiant energy detector. W. Sackville. 1,944,194; Jan. 23.
Radiant energy distance determining system and apparatus. E. G. Gage. 1,961,757; June 5.
Radiant energy signaling. H. V. Hayes. 1,954,204; Apr. 10.
Radiant heater. M. E. Hanson. 1,964,573; June 26.
Radiant superheater for locomotives. A. B. Blome. 1,965,067; July 3.
Radiator. J. Askin. 1,942,380; Jan. 2.
Radiator. J. Askin. 1,974,595; Sept. 25.
Radiator. J. D. Auman. 1,954,556; Apr. 10.
Radiator. A. H. Davis, Jr., and P. Winsborough. 1,957,703; May 8.
Radiator. C. Gillean. 1,950,488; Mar. 13.
Radiator. H. Jaffe. 1,956,637; May 1.
Radiator. J. Karmazin. 1,960,941; May 29.
Radiator. R. H. Keiser. 1,970,317; Aug. 14.
Radiator. W. E. Kuenstler. 1,975,957; Oct. 9.
Radiator. M. I. Larsen. 1,951,286; Mar. 13.
Radiator. L. Lithman. 1,942,559-60; Jan. 9.
Radiator. A. J. Mason and W. L. Tancred. 1,981,367; Nov. 20.
Radiator. T. E. McGrail. 1,947,913; Feb. 20.
Radiator. T. E. McGrail. 1,969,985; Aug. 14.
Radiator. A. M. Mertznanoff. 1,941,705; Jan. 2.
Radiator. A. R. Moller. 1,969,315; Aug. 7.
Radiator. J. C. Murn. 1,960,345; May 29.
Radiator. J. N. Murphy. 1,973,577; Sept. 11.
Radiator. E. Schütz. 1,963,506; June 19.
Radiator. R. Strothmann. 1,946,990; Feb. 13.
Radiator. C. H. Wentworth and L. H. Wallner. 1,969,439; Aug. 7.
Radiator. F. M. Young. 1,963,429; June 19.
Radiator, Air-humidifying heat. M. L. Waterman. 1,977,926; Oct. 23.
Radiator and humidifier, Combination. H. S. Welsh and W. C. Barber. 1,979,427; Nov. 6.
Radiator assembly. C. G. Raible. 1,962,837; June 12.

Radiator bracket. H. S. Slaght. 1,974,855; Sept. 25.
Radiator cabinet. R. H. Nelson. Des. 93,354-5; Sept. 18.
Radiator cap. L. K. Franklin. Des. 91,389; Jan. 23.
Radiator cap. F. A. Leisen. Des. 92,184; May 8.
Radiator cap. A. T. Sebek. Des. 92,432; June 5.
Radiator cap attachment, Ornamental. A. Harris. 1,978,577; Oct. 30.
Radiator cleaning apparatus. B. Janus. 1,983,084; Dec. 4.
Radiator construction. H. Jaffe. 1,963,906; June 19.
Radiator construction. R. H. Nelson. 1,951,368; Mar. 20.
Radiator control. A. B. Modine. 1,967,010; July 17.
Radiator control, Steam. E. Burrell. 1,956,003; Apr. 24.
Radiator control, Thermostatic. J. G. Dintilbac. 1,949,009; Feb. 27.
Radiator core. W. W. Muir. 1,951,366; Mar. 20.
Radiator core. H. E. Schank. 1,978,604; Oct. 30.
Radiator core. H. E. Schank and P. R. Seemiller. 1,982,931; Dec. 4.
Radiator core. P. F. Sperry. 1,969,824; Aug. 14.
Radiator core and making same. F. M. Opitz. 1,954,946; Apr. 17.
Radiator core and making same. F. M. Opitz. 1,959,637; May 22.
Radiator cover. A. G. Hopkins. 1,960,673; May 29.
Radiator cover, Automobile. J. R. Hughes. Des. 93,620; Oct. 16.
Radiator, Electric steam. J. D. Landerman. 1,945,815; Feb. 6.
Radiator enclosure. J. Adler. 1,963,431; June 19.
Radiator enclosure. J. F. McIntire. 1,952,328; Mar. 27.
Radiator enclosure. A. B. Rypinski. 1,970,945; Aug. 21.
Radiator filling device. H. C. Mougey and C. R. Short. 1,983,988; Dec. 11.
Radiator, Fin. G. T. Jaccoks. 1,950,112; Mar. 6.
Radiator fin. H. J. Krackowizer. 1,983,549; Dec. 11.
Radiator fin. J. Loprich and C. Gillean. 1,950,500; Mar. 13.
Radiator flushing valve. C. S. Davis. 1,969,295; Aug. 7.
Radiator front. W. J. Sherry. 1,965,434; July 3.
Radiator, Furnace. T. J. Cornwell and J. R. Strahlendorf. 1,942,203; Jan. 2.
Radiator, Furnace. T. Crick. 1,944,497; Jan. 23.
Radiator grille, Louver-type. L. B. Green. 1,941,742; Jan. 2.
Radiator grille, Parallel-blade. L. B. Green. 1,982,953; Dec. 4.
Radiator hood. A. H. Levene. 1,942,607; Jan. 9.
Radiator, Humidifying. N. Bartlett. 1,946,564; Feb. 13.
Radiator, Humidifying. J. L. Cable. 1,983,120; Dec. 4.
Radiator, Humidifying. L. P. Dwyer. 1,962,180; June 12.
Radiator, Humidifying. A. U. Jones. 1,954,177; Apr. 10.
Radiator, Oil cooling. J. Askin. 1,950,211; Mar. 6.
Radiator or the like. A. L. Stevens. Des. 91,911; Apr. 3.
Radiator or the like. A. L. Stevens. Des. 91,974; Apr. 10.
Radiator, Portable. G. W. Whitehurst. 1,983,111; Dec. 4.
Radiator reflector cap, Automobile. A. T. Mosberg. 1,946,230; Feb. 6.
Radiator rod assembly. R. T. Hummel. 1,961,689; June 5.
Radiator section. G. M. Maier. Des. 94,155; Dec. 25.
Radiator section and humidifying well. E. J. Bair. Des. 91,857; Apr. 3.
Radiator, Sheet metal. T. E. McGrail. 1,946,227; Feb. 6.
Radiator shell. H. Hueber and E. C. Horton. 1,948,074; Feb. 6.
Radiator shell and grille assembly. L. B. Green. 1,941,797; Jan. 2.
Radiator shell and grille assembly. L. B. Green. 1,971,155; Aug. 21.
Radiator shells and the like, Method and apparatus for producing. G. E. Ireland. 1,948,918; Feb. 27.
Radiator shield and bracket. T. V. Balch. 1,981,539; Nov. 20.
Radiator shield construction. W. F. Pioch. 1,955,470; Apr. 17.
Radiator shutter. E. G. Petersen. 1,947,875; Feb. 20.
Radiator shutter. E. G. Petersen. 1,979,810; Nov. 6.
Radiator shutter control. J. I. Horton. 1,964,059; June 26.
Radiator shutter control, Automobile. J. W. Anderson. 1,977,538; Oct. 16.
Radiator shutter, Vehicle-engine. E. G. Petersen. 1,943,245; Jan. 9.
Radiator shutters, Making. U. K. Johannsen and M. E. Maxon. 1,951,306; Mar. 13.
Radiator, Sound. E. C. Wente. 1,970,926; Aug. 21.
Radiator, Steam heated. R. H. Mautsch. 1,960,343; May 29.
Radiator structure. L. B. Pendleton. 1,973,388; Sept. 11.
Radiator support. C. F. Landolt. 1,967,475; July 24.
Radiator, Surface. J. S. Kean. 1,970,565; Aug. 21.
Radiator, Thermo electric. R. M. Eggleston. 1,941,855; Jan. 2.
Radiator, Tractor. R. H. Allen. Des. 91,855; Apr. 3.
Radiator unit and producing the same. A. C. Recker. 1,960,955; May 29.
Radiator valve and humidifier, Combined. B. A. Mueller. 1,954,942; Apr. 17.
Radiator valve, Automatic steam. W. O. Wingard. 1,984,509; Dec. 18.
Radiator valve, Heat control. C. A. Dunham. 1,975,635; Oct. 2.

- Radiator valve, Thermostatic. E. J. Donnelly. 1,984,402; Dec. 18.
- Radiator vent valve. R. F. Gibbs. 1,970,448; Aug. 14.
- Radiators, Apparatus for making. J. F. McIntire. 1,970,760; Aug. 21.
- Radiators, Device for hanging. A. C. Sandberg. 1,981,427; Nov. 20.
- Radiators, Device for the tightening of. S. Deutsch. 1,951,968; Mar. 20.
- Radiators, Forming. A. J. Mason and W. L. Tancred. 1,984,938; Dec. 18.
- Radiators, Inlet and outlet attachment for heat. R. J. Buckley. 1,952,361; Mar. 27.
- Radiators, Making. A. H. Davis, jr., and P. Winsborough. 1,957,702; May 8.
- Radiators, Making enameled. R. W. Loeffler. 1,954,638; Apr. 10.
- Radiators, Manufacturing. J. R. Dryden. 1,959,464; May 22.
- Radio aerial. R. W. Brown. 1,963,014; June 12.
- Radio aerial system, Duplex. E. V. Amy and J. G. Aceves. 1,965,539; July 3.
- Radioantenna. J. S. Stone. 1,941,636; Jan. 2.
- Radio antenna circuit. P. K. Giddens. 1,977,271; Oct. 16.
- Radio antenna, ground and current supply cable, Combined. W. H. Huth. 1,961,859; June 5.
- Radio apparatus. A. T. Carney. 1,971,703; Aug. 28.
- Radio apparatus. W. F. Cotter. 1,979,315; Nov. 6.
- Radio apparatus. C. D. Haigis. 1,974,184; Sept. 18.
- Radio apparatus. C. J. Hirsch. 1,968,889; Aug. 7.
- Radio apparatus. M. J. Huggins. 1,961,220; June 5.
- Radio apparatus. M. J. Huggins. 1,979,107; Oct. 30.
- Radio apparatus. M. W. Kenney. 1,968,772; July 31.
- Radio apparatus. W. P. Lear. 1,944,139; Jan. 16.
- Radio apparatus. H. J. Loftis. 1,965,660-1; July 10.
- Radio apparatus. J. M. Miller and S. Tarzian. 1,973,293; Sept. 11.
- Radio apparatus. L. W. Staunton. 1,953,135; Apr. 3.
- Radio apparatus. E. T. Tregenza. 1,958,282; May 8.
- Radio apparatus, Energizing. E. O. Löfgren. 1,959,482; May 22.
- Radio apparatus, Short wave. F. H. Kroger. 1,952,715; Mar. 27.
- Radio beacon system. E. Sibley. 1,941,585; Jan. 2.
- Radiobeacon, Twelve-course, aural type, triple modulation directive. H. Diamond. 1,961,206; June 5.
- Radio beam system, Directional. G. G. Kruesi. 1,944,563; Jan. 23.
- Radio broadcasting system, Wired. R. D. Duncan, jr. 1,945,629; Feb. 6.
- Radiocabinet. C. Boffino. 1,965,791; July 10.
- Radiocabinet. J. D. Brophy. Des. 92,578; June 26.
- Radiocabinet. W. C. Brown. Des. 93,448-50; Oct. 2.
- Radio cabinet. E. T. Dickey. 1,981,347; Nov. 20.
- Radiocabinet. M. Flaherty. Des. 92,651; July 3.
- Radiocabinet. R. Himmel. Des. 91,486; Feb. 13.
- Radiocabinet. F. I. Johnson. Des. 93,274; Sept. 11.
- Radiocabinet. L. Manheiner. Des. 91,891; Apr. 3.
- Radiocabinet. R. M. Newbold. Des. 92,264; May 15.
- Radio cabinet. J. L. Raffetto. Des. 91,469; Feb. 6.
- Radiocabinet. J. L. Raffetto. Des. 91,497; Feb. 13.
- Radiocabinet. L. R. Slaton and A. M. Morgan. Des. 92,498-9; June 12.
- Radiocabinet or the like. M. Stansbury. Des. 91,545; Feb. 20.
- Radiocabinet or the like. E. Worthington. Des. 91,290; Jan. 2.
- Radiocircuit. L. L. Jones. 1,949,475; Mar. 6.
- Radiocircuit. L. L. Jones and J. Yolles. 1,971,487; Aug. 28.
- Radio circuit, Selective. W. J. Polydoroff. 1,982,690; Dec. 4.
- Radio circuit, Uncontrolled. R. Rechnitzer. 1,949,842; Mar. 6.
- Radio communication. A. Nyman. 1,962,611; June 12.
- Radiocommunication, Apparatus for. H. Chireix. 1,946,308; Feb. 6.
- Radiocommunication, Multiplex. C. F. Jenkins. 1,957,537; May 8.
- Radio communication system. E. L. Koch. 1,968,453; July 31.
- Radio communication system. E. L. Koch. 1,985,417; Dec. 25.
- Radio communication system, Wired. W. Dubilier. 1,944,226; Jan. 23.
- Radio-compass, Direct-reading. R. Brailard and J. Marique. 1,947,326; Feb. 13.
- Radiocompass, Visual indicating. C. B. Mirick. 1,943,329; Jan. 16.
- Radio container. E. C. Booth. 1,943,255; Jan. 9.
- Radiocontrol. M. E. Schaeffer. 1,965,515; July 3.
- Radio control device. W. P. Lear. 1,959,869; May 22.
- Radio control device. A. M. O'Neill. 1,966,184; July 10.
- Radio control device. P. Schwarzhaupt. 1,969,528; Aug. 7.
- Radio control for railway crossings, Automatic vehicular. G. P. Springfield. 1,955,371; Apr. 17.
- Radio-control, Remote. D. C. Pierce. 1,960,103; May 22.
- Radiocontrol, Remote. H. Fuchs. 1,967,816; July 24.
- Radio control system. W. E. Stilwell, jr. 1,963,508; June 19.
- Radio controlling device. W. J. Becker. 1,961,131; June 5.
- Radio device. B. H. Magoon. 1,953,002; Mar. 27.
- Radio device for operating radio receiving sets. D. and S. Satinoff, M. Chernow, and J. B. Sherman. 1,953,435; Apr. 3.
- Radio dial illumination. A. H. V. van Lyf. 1,968,234; July 31.
- Radio direction and position indicating system. J. Dugan. 1,959,264; May 15.
- Radio direction finder. L. L. Kaess. 1,983,230; Dec. 4.
- Radio direction finder. E. Kramar. 1,949,256; Feb. 27.
- Radio direction finder. F. Woods. 1,956,369; Apr. 24.
- Radio direction finding system. J. A. Willoughby. 1,961,319; June 5.
- Radio fireplace. J. Weible and F. Lohr. Des. 93,259; Sept. 4.
- Radio frequency amplifying system, Tuned. L. L. Jones. 1,965,522; July 3.
- Radio frequency currents, Varying. M. Osnos. 1,985,104; Dec. 18.
- Radio frequency distribution system. C. C. Shumard. 1,968,099; July 31.
- Radio frequency receiver. H. A. Wheeler. 1,960,984; May 29.
- Radio frequency receiving system. C. L. Hopkins. 1,964,990; July 3.
- Radio frequency short wave receiver. P. Hermanspann. 1,943,730; Jan. 16.
- Radio frequency transformer and ribbon winding therefor. F. C. Molter. 1,984,979; Dec. 18.
- Radio frequency wave reception. H. O. Roosenstein. 1,969,329; Aug. 7.
- Radio interference eliminator. G. Sjöholm and E. Briscois. 1,959,114; May 15.
- Radio interference from neon signs, Preventing. L. S. Brach. 1,960,408; May 29.
- Radio loud speaker. C. H. Duffy. 1,958,423; May 15.
- Radio navigating system. J. A. Willoughby. 1,942,526; Jan. 9.
- Radio-phonograph control device. E. F. Andrews. 1,969,344; Aug. 7.
- Radio plural program receiving system. M. W. Askin. 1,967,218; July 24.
- Radio program controller. F. G. Caskey. 1,961,871; June 5.
- Radio program reminder. H. L. Pawliger. Des. 91,962; Apr. 10.
- Radio program selector, Automatic. V. F. and V. A. Detwiler, and J. J. Doran. 1,958,943; May 15.
- Radio range finder. A. M. Nicolson. 1,945,952; Feb. 6.
- Radioreceiver. E. F. W. Alexanderson. 1,971,762; Aug. 28.
- Radioreceiver. J. H. Appel, jr. 1,942,792; Jan. 9.
- Radioreceiver. G. L. Beers. 1,961,329; June 5.
- Radioreceiver. F. H. Bradley. 1,951,542; Mar. 20.
- Radioreceiver. N. Deisch. 1,965,281; July 3.
- Radioreceiver. F. H. Drake. 1,942,327; Jan. 2.
- Radioreceiver. E. Falkenthal. 1,976,574; Oct. 9.
- Radioreceiver. P. O. Farnham. 1,967,768; July 24.
- Radioreceiver. P. O. Farnham and H. F. Argentio. 1,943,789; Jan. 16.
- Radioreceiver. F. Gottschalk. 1,972,189; Sept. 4.
- Radioreceiver. C. F. Graesser. 1,973,378; Sept. 11.
- Radioreceiver. D. E. Harnett. 1,962,104; June 5.
- Radioreceiver. J. E. Johanson. 1,968,557; July 31.
- Radioreceiver. E. L. Koch. 1,963,238; June 19.
- Radioreceiver. L. M. Perkins. 1,954,645; Apr. 10.
- Radioreceiver. H. O. Roosenstein. 1,978,478; Oct. 30.
- Radioreceiver. A. Senauke. Re19,170; May 15.
- Radioreceiver. L. G. Tatro. 1,942,378; Jan. 2.
- Radio receiver. E. D. Tillyer. 1,949,848; Mar. 6.
- Radioreceiver. G. Wald. 1,954,004; Apr. 10.
- Radioreceiver, Automobile. E. C. Booth and W. E. Peek. 1,965,628; July 10.
- Radio receiver cable connection. H. C. Forbes. 1,960,938; May 29.
- Radioreceiver control. P. D. Flehr. 1,975,701; Oct. 9.
- Radioreceiver, Directional. G. G. Kruesi and G. Fisher. 1,955,505; Apr. 17.
- Radioreceiver distributing system. C. M. Selby. 1,952,514; Mar. 27.
- Radioreceiver, Dual wave band. L. F. Curtis, W. F. Cotter, and L. E. Eastman. 1,960,479; May 29.
- Radioreceiver, Oscillating. P. F. Scofield. 1,950,752; Mar. 13.
- Radio receiver, Selective. H. F. Elliott. 1,960,774; May 29.
- Radioreceiver, Superheterodyne. C. G. and L. G. Kemp. 1,946,746; Feb. 13.
- Radio receiver system, Remote control. R. L. Herchert. 1,955,676; Apr. 17.
- Radio receivers, Operation of alternating current. E. J. H. Bussard. 1,977,469; Oct. 16.
- Radio receiving and transmitting apparatus. T. A. Marshall. 1,956,582; May 1.
- Radio receiving apparatus. L. M. Clement. 1,985,403; Dec. 25.
- Radio receiving apparatus. L. L. de Kramolin. 1,968,335; July 31.
- Radio receiving apparatus. L. L. de Kramolin. 1,969,209; Aug. 7.
- Radioreceiving apparatus. R. G. Evans. 1,942,751; Jan. 9.
- Radio receiving apparatus. W. P. Place. 1,954,059; Apr. 10.
- Radio receiving apparatus. W. P. Place. 1,959,062-3; May 15.

- Radio receiving apparatus. W. J. A. Raffel. 1,947,660; Feb. 20.
- Radio receiving apparatus. L. G. Weber. 1,965,303; July 3.
- Radio receiving apparatus. C. M. Wilcox. 1,945,795; Feb. 6.
- Radio receiving apparatus and the like. I. Wolff. 1,953,523; Apr. 3.
- Radio receiving circuit. M. M. Phillips. 1,946,107; Feb. 6.
- Radio receiving circuit. R. G. Piety. 1,942,385; Jan. 2.
- Radio receiving circuits. D. D. Israel. 1,954,130; Apr. 17.
- Radio receiving set. E. F. Andrews. 1,980,842; Nov. 13.
- Radio receiving set. T. J. Scofield and W. D. Miner. 1,955,150; Apr. 17.
- Radio receiving set. S. W. Seeley and G. Mountjoy. 1,985,696; Dec. 25.
- Radio receiving sets, Protecting. T. D. Gibbs. 1,968,198; July 31.
- Radio receiving system. G. P. Adair. 1,949,136; Feb. 27.
- Radio receiving system. M. B. Benson. 1,980,713; Nov. 13.
- Radio receiving system. E. L. Bresson. 1,958,031; May 8.
- Radio receiving system. R. Bruni. 1,968,739; July 31.
- Radio receiving system. F. Ecker. 1,969,599; Aug. 7.
- Radio receiving system. P. S. Edwards and C. D. Barulesco. 1,968,750; July 31.
- Radio receiving system. P. O. Farnham. 1,971,646; Aug. 28.
- Radio receiving system. P. K. Giddens. 1,984,408; Dec. 18.
- Radio receiving system. R. A. Heising. 1,961,357; June 5.
- Radio receiving system. A. H. Hotopp, jr. 1,946,582; Feb. 13.
- Radio receiving system. N. E. Lindenblad. 1,955,245; Apr. 17.
- Radio receiving system. F. X. Rettenmeyer. 1,971,235; Aug. 21.
- Radio receiving system. G. T. Royden. 1,967,328; July 24.
- Radio receiving system. A. A. Schoen and A. A. Blyth. 1,951,532; Mar. 20.
- Radio receiving system. J. S. Stone. 1,954,898; Apr. 17.
- Radio receiving system. J. A. Willoughby. 1,959,281; May 15.
- Radio receiving system, Multiple. C. B. Aiken. 1,957,519; May 8.
- Radio receiving system, Multiple. E. V. Amy and J. G. Aceves. 1,976,910; Oct. 16.
- Radio receiving systems, Annulling the effect of stray fields on. W. A. Loth. Re19,395; Dec. 11.
- Radio reception. W. J. Schnell. 1,982,965; Dec. 4.
- Radio resistor. W. F. Steenweg. 1,976,901; Oct. 16.
- Radio route indicators for airplanes. J. Chapman. 1,960,297; May 29.
- Radio selective control system. H. J. Murray. 1,967,681; July 24.
- Radio selector drive. F. Spangler. 1,979,416; Nov. 6.
- Radio set, Automobile. C. M. Tichenor and B. C. Booth. 1,941,961; Jan. 2.
- Radio set is tuned, Recording the wave-length to which a. C. E. Robinson. 1,961,170; June 5.
- Radio set testing apparatus. J. H. Miller. 1,948,729; Feb. 27.
- Radio sets, Tuning. J. J. Rogan. 1,949,628; Mar. 6.
- Radio shield for engines. R. Chilton. 1,945,021; Jan. 30.
- Radio shielded cable fastener. J. E. Wild and W. E. Schwarzmann. 1,969,866; Aug. 14.
- Radio signal indicator. K. Shiokawa. 1,959,388; May 22.
- Radio-signaling. C. Soullie. 1,942,884; Jan. 9.
- Radio signaling apparatus, High frequency. O. S. Puckle. 1,941,543; Jan. 2.
- Radio signaling, Short wave. A. Bailey. 1,984,451; Dec. 18.
- Radio signaling system. A. Blondel. 1,983,435; Dec. 4.
- Radio signaling system. G. A. Mathieu. 1,942,561; Jan. 9.
- Radio spark plug. H. Rabezzana. 1,960,317; May 29.
- Radio system and apparatus. R. M. Wise. 1,970,640; Aug. 21.
- Radio-telephony navigating apparatus. J. M. Mack. 1,972,388; Sept. 4.
- Radio-testing apparatus. R. Simpson. 1,949,634; Mar. 6.
- Radio time control. J. De Wit and E. R. Unglaub. 1,957,632; May 8.
- Radiotower. A. O. Austin. 1,968,868; Aug. 7.
- Radio transmission and reception of pictures. G. M. Wright and S. B. Smith. 1,964,375; June 26.
- Radio transmission system. L. W. Chubb. 1,958,886; May 15.
- Radio transmission system. H. H. Higginbottom. 1,967,574; July 24.
- Radiotransmission without distortion. R. K. Potter. 1,948,671; Feb. 27.
- Radio transmitter. J. Morel. 1,977,397; Oct. 16.
- Radio transmitter control apparatus. S. D. Haberle and R. J. Davis. 1,980,585; Nov. 13.
- Radio transmitting and receiving system. S. D. Sloggett and T. A. Simpson. 1,973,298; Sept. 11.
- Radio transmitting circuit. H. O. Roosenstein. 1,969,328; Aug. 7.
- Radio transmitting system. J. B. Coleman. 1,985,019; Dec. 18.
- Radio transmitting system. V. E. Trouant. 1,953,140; Apr. 3.
- Radiotube. J. Hoza. 1,975,721; Oct. 2.
- Radiotube. H. P. Pratt. 1,949,395; Feb. 27.
- Radio tube connector. A. W. Miner. 1,965,964; July 10.
- Radio tube construction. P. T. Weeks. 1,963,008; June 12.
- Radio tube socket unit. S. H. Evans. 1,973,248; Sept. 11.
- Radio tube tester. C. Carpenter. 1,952,533; Mar. 27.
- Radio tube tester. J. C. Daley. 1,945,802; Feb. 6.
- Radio tube tester. R. D. Hickok. 1,942,401; Jan. 9.
- Radio tuning apparatus, Automatic. R. B. Bryant. 1,947,186; Feb. 13.
- Radio tuning control, Variable. C. A. Wistrup. 1,952,108; Mar. 27.
- Radio tuning mechanism, Automatic. F. Harte. 1,948,710; Feb. 27.
- Radio volume compression system. R. Bown. 1,963,223; June 19.
- Radio wave band selector. H. J. Kline. 1,955,639; Apr. 17.
- Radium luminescent indicia without personal danger, Applying. H. L. Page. 1,960,187; May 22.
- Radius turning tool. H. J. Chedester. 1,979,252; Nov. 6.
- Raft. J. W. Tatter and G. B. Ingersoll. 1,973,584; Sept. 11.
- Raggle block. J. P. Stagg. 1,946,949; Feb. 13.
- Raggle strip. E. E. Ramey and J. W. Harvey. 1,953,867; Apr. 3.
- Rags, Carbonization of. K. Schubert. 1,953,509; Apr. 3.
- Rail anchor. D. L. Vaughan. 1,955,263; Apr. 17.
- Rail and wheel flange lubrication, Railway and tramway. E. G. Butcher and W. E. Jupe. 1,979,447; Nov. 6.
- Rail and wheel flange lubricator. H. B. Bates. 1,979,307; Nov. 6.
- Rail and wheel flange lubricator. C. A. McRee. 1,953,423; Apr. 3.
- Rail anticreep. A. J. Hartman. 1,976,069; Oct. 9.
- Rail block fastening device. E. Evenson. 1,975,391; Oct. 2.
- Rail bond. R. L. Cairncross. 1,962,891; June 12.
- Rail bond. V. E. Dupuy. 1,979,533; Nov. 6.
- Rail bond. C. H. Mead. 1,954,393; Apr. 10.
- Rail bond. P. P. Pipes. 1,944,366; Jan. 23.
- Rail bond. P. P. Pipes. 1,961,389; June 5.
- Rail bond. P. P. Pipes. 1,967,131; July 17.
- Rail bond. W. E. Wolfe. 1,983,806; Dec. 25.
- Rail bond and applying the same. K. J. Mosebach. 1,945,404; Jan. 30.
- Rail chair. G. L. Colbie. 1,960,331; May 29.
- Rail chair. R. Hill. 1,962,507; June 12.
- Rail chair. R. Hill. 1,979,153; Oct. 30.
- Rail chamfering machine. H. C. James and E. J. Heavers. 1,974,141; Sept. 18.
- Rail connector for toy railroads. L. W. Rosenthal. 1,983,777; Dec. 11.
- Rail contact resistance, Apparatus for decreasing. H. A. Thompson. 1,972,749; Sept. 4.
- Rail drilling machine. H. H. Talboys. 1,966,836; July 17.
- Rail elevating and clamping device. F. E. Cardullo. 1,976,713; Oct. 16.
- Rail flaw detector mechanism. L. J. De Lanty and W. M. Perry. 1,976,837; Oct. 16.
- Rail for a baby carriage or the like. S. and N. J. Kroll. Des. 93,831; Nov. 13.
- Rail for highways, Safety guard. R. L. Brown. 1,974,232; Sept. 18.
- Rail for stoves, Guard. D. P. O'Keefe and L. J. Smallen. Des. 92,421-2; June 5.
- Rail guard. J. Blackburn. 1,950,965; Mar. 13.
- Rail, Guard. F. O. Heltzel. 1,968,294; July 31.
- Rail, Highway guard. W. W. Russell. 1,980,733; Nov. 13.
- Rail joint. E. W. Caruthers. 1,962,708; June 12.
- Rail joint. I. Wolff. 1,975,816; Oct. 9.
- Rail joint. C. D. Young. 1,952,573; Mar. 27.
- Rail-joint and bar therefor. R. F. Greenwood. 1,963,580; June 19.
- Rail-joint and bar therefor. R. F. Greenwood. 1,983,752; Dec. 11.
- Rail joint and rail joint fastening. E. C. Neal. 1,966,868; July 17.
- Rail joint and treating same. W. S. Jackson. 1,967,509; July 24.
- Rail joint housing. O. U. Zerk. 1,959,258; May 15.
- Rail joint splice bars, Reforming or reconditioning. V. C. Armstrong. 1,974,093; Sept. 18.
- Rail joint spring. R. J. McComb. 1,952,600; Mar. 27.
- Rail joints, Reconditioning of worn. B. C. Tracey. 1,976,526; Oct. 9.
- Rail joints, Repairing. C. A. Daley. 1,951,727; Mar. 20.
- Rail lifter. A. Jersey. 1,971,785; Aug. 28.
- Rail lubricating device. H. B. Bates. 1,952,051; Mar. 27.
- Rail lubricator. H. B. Bates. 1,946,123; Feb. 6.
- Rail lubricator. L. S. Elmer. 1,954,990; Apr. 17.
- Rail lubricator, Elevator-guide. J. Dunlop. 1,948,747; Feb. 27.
- Rail, Railway. G. D. Fish. 1,972,262; Sept. 4.
- Rail, Railway. McL. Thomson. 1,954,687; Apr. 10.
- Railroad. D. B. Akers. 1,980,028; Nov. 6.
- Rail, Road. W. M. Venable. 1,983,924; Dec. 11.
- Railroad crossing and frog. E. W. Goodaire and G. Arnold. 1,956,021; Apr. 24.
- Railroad crossing structure. H. E. White and T. E. McLaughlin. 1,946,448; Feb. 6.

- Railroad rails, Replacing. P. Collet and R. Loiseau. 1,941,930; Jan. 2.
- Railroad track scale, Plate-fulcrum. A. Bousfield. 1,968,988; Aug. 7.
- Railroads, Method of building and constructions for underground. G. Janssen. 1,948,114; Feb. 20.
- Rail, Roof bow trim. T. J. Swan. 1,947,682; Feb. 20.
- Rail slotting machine. A. S. Kalenborn. 1,964,261; June 26.
- Rail support, Resilient. W. H. Funston. 1,972,825; Sept. 4.
- Rail supporting structure, Railroad. W. N. Keurvorst. 1,979,329; Nov. 6.
- Rail testing apparatus. A. E. F. Billstein. 1,963,931; June 19.
- Rail tie. I. Windisch. 1,969,343; Aug. 7.
- Rail tie and fastener. J. A. Cleveland. 1,968,929; Aug. 7.
- Rail tie plate and fastening means, Railroad. W. H. Sharp. 1,975,377; Oct. 2.
- Railway brake. C. C. Kinsman. 1,980,686; Nov. 13.
- Railway braking apparatus. H. L. Bone. 1,947,638; Feb. 20.
- Railway car seat. L. F. Scott. Des. 93,293; Sept. 11.
- Railway control system. C. C. Whittaker. 1,955,319; Apr. 17.
- Railway crossing. W. C. Hedgcock and J. P. Begley. 1,961,488; June 5.
- Railway crossing gate. L. H. Pranger. 1,945,295; Jan. 30.
- Railway draft gearing. M. R. Hansen. 1,962,560; June 12.
- Railway draft rigging. W. J. Regan and E. George, Jr. 1,955,516; Apr. 17.
- Railway equipment. R. N. Miller. 1,965,903; July 10.
- Railway joint bar. G. W. Muller. 1,959,381; May 22.
- Railway journal lubricator. J. J. Hennessy. 1,948,297; Feb. 20.
- Railway journal lubricator. J. J. Hennessy. 1,961,664; June 5.
- Railway leveling device. J. H. Keith. 1,979,886; Nov. 6.
- Railway motor frame. P. Bollinger. 1,962,122; June 12.
- Railway rail. D. P. Wolhaupter. 1,970,588; Aug. 21.
- Railway shipping container. R. Faries. 1,942,022; Jan. 2.
- Railway signal. C. H. Larson. 1,982,439; Nov. 27.
- Railway signaling. R. R. Kemmerer. 1,963,746; June 19.
- Railway sleeper. F. de Rossius d'Humain. 1,969,062; Aug. 7.
- Railway switch. W. M. and E. K. Post. 1,965,803; July 10.
- Railway system, Electric. A. M. Rossman. 1,947,494; Feb. 20.
- Railway system, Suspended. P. J. Medor. 1,944,100; Jan. 16.
- Railway tie plate. G. T. Willard. 1,942,464; Jan. 9.
- Railway tie pulling machine. H. C. Drake. 1,985,768; Dec. 25.
- Railway track circuit. T. Bodde. 1,969,059; Aug. 7.
- Railway traffic controlling system. N. C. L. Brown. 1,969,060; Aug. 7.
- Railways, tramways, or the like, Apparatus for testing the permanent way of. C. A. Cardew. 1,980,035; Nov. 6.
- Railway truck spring. P. R. Drenning. 1,958,848; May 15.
- Railway truck spring. P. R. Drenning. 1,974,135; Sept. 18.
- Railway vehicle wheel. R. E. Fisher. 1,975,931; Oct. 9.
- Rail welding mold. E. F. Begtrup. 1,947,966; Feb. 20.
- Rails, Device for gripping and securing railway. F. Fiander. 1,952,794; Mar. 27.
- Rails, Method and apparatus for lifting. R. E. Hunter. 1,941,803; Jan. 2.
- Rain spout hook. A. Cestone. 1,967,660; July 24.
- Raisin treatment apparatus and method. L. Payne and T. W. Forrest. 1,966,680; July 17.
- Rake. C. E. Anderson. 1,956,263; Apr. 24.
- Rake. A. J. Bailie. 1,959,893; May 22.
- Rake. W. H. Bergmann. 1,980,252; Nov. 13.
- Rake. H. G. Carlson. 1,983,596; Dec. 11.
- Rake. A. A. De Fraites. 1,970,903; Aug. 21.
- Rake. C. Dennis. 1,978,295; Oct. 23.
- Rake. A. R. Johnson. 1,945,552; Feb. 6.
- Rake. G. H. Maus. 1,959,729; May 22.
- Rake. A. Montan. 1,970,616; Aug. 21.
- Rake and tedder, Side delivery. W. D. Dewend and R. J. Altgelt. 1,967,526; July 24.
- Rake cleaner. I. C. Klingler. 1,958,757; May 15.
- Rake cleaner. H. P. McGrath. 1,965,663; July 10.
- Rake cleaning device. A. J. Wikander and H. E. Ohrn. 1,981,488; Nov. 20.
- Rake, Dump. L. A. Paradise. 1,974,972; Sept. 25.
- Rake, Hay. A. E. Rutter. 1,947,572; Feb. 20.
- Rake mechanism. T. H. Oppenheim. 1,978,717; Oct. 30.
- Rake, Motor hay. C. E. Botts. 1,981,303; Nov. 20.
- Rake or hay sweep, Buck. J. Peters. 1,980,762; Nov. 13.
- Raker Tooth gauge. C. Ross. 1,951,773; Mar. 20.
- Raking and picking up tool. L. A. Lopez. 1,979,752; Nov. 6.
- Ramp and stop device, Combined. I. V. K. Hott, W. E. Webster, and W. B. Raudebaugh. 1,955,586; Apr. 17.
- Range. W. C. Lindemann and G. C. Lorenz. 1,972,628; Sept. 4.
- Range. E. D. Pellegrin. Des. 92,490; June 12.
- Range. A. Stockstrom and A. H. Brodbeck. Des. 93,250-51; Sept. 4.
- Range. G. D. Wilkinson and E. D. Pellegrin. 1,980,307; Nov. 13.
- Range adjusting mechanism for measuring instruments. C. W. Bristol. 1,976,477; Oct. 9.
- Range and gas heater, Combined gas. W. K. Stafford. 1,971,122; Aug. 21.
- Range and steam generator, Cooking. J. S. Wallace. 1,976,423; Oct. 9.
- Range boiler stand. W. H. Armstrong. 1,966,700; July 17.
- Range, Combination. H. Lange. 1,955,884; Apr. 24.
- Range, Combination coal and gas. H. Lange. Des. 91,359; Jan. 16.
- Range construction. J. Teller and A. P. Schulz. 1,980,769; Nov. 13.
- Range control system. F. F. Forshee. 1,971,136; Aug. 21.
- Range, Cooking. A. O. Spooneman. Des. 92,681; July 3.
- Range, Detachable unit, table top electric. J. Teller and A. P. Schulz. 1,948,402; Feb. 20.
- Range, Electric. A. Barnsteiner. Des. 92,833; July 24.
- Range, Electric. R. E. Patten. Des. 92,765; July 10.
- Range, Electric cooking. W. H. Guenther. 1,969,355; Aug. 7.
- Range finder for photographic purposes. L. E. W. Van Albada. 1,964,967; July 3.
- Range finder, Stabilized. A. Steinle and O. Schreiber. 1,981,529; Nov. 20.
- Range, Gas. W. T. Bradbury. Des. 92,577; June 26.
- Range, Gas. W. T. Bradbury. Des. 94,017; Dec. 11.
- Range, Gas. A. H. Moecker. Des. 93,122; Aug. 21.
- Range, Gas or electric. J. Teller and A. P. Schulz. 1,974,222; Sept. 18.
- Range, Hotel. O. A. Colby and K. Ehr Gott. 1,958,887; May 15.
- Range or article of analogous nature, Buffet. E. Esson. Des. 92,710; July 10.
- Range or similar article, Electric. J. Fletcher. Des. 91,995; Apr. 17.
- Range or stove, Straight-line cooking top. J. Teller and A. P. Schulz. 1,942,265; Jan. 2.
- Range, Solid fuel. G. E. Pickup. Des. 92,823-4; July 17.
- Range top. M. H. Pryor. Des. 91,907; Apr. 3.
- Ranges, Device for relighting gas. M. P. Janisch. 1,979,468; Nov. 6.
- Ranges, Movable top for. W. D. Antrim and A. Schlemmer. 1,951,231; Mar. 13.
- Ranges, Service drawer for. J. W. Barker. 1,951,390; Mar. 20.
- Raspberry variety. A. B. Curtis. Pl. Pt. 113; Nov. 20.
- Rat trap. R. C. Burnley. 1,963,435; June 19.
- Ratchet device. J. H. Abramson and E. C. Swanson. 1,971,291; Aug. 21.
- Ratchet mechanism. J. H. Abramson and E. C. Swanson. 1,971,290; Aug. 21.
- Ratchet movement. P. Gargan. 1,951,191; Mar. 13.
- Ratchet tool. O. C. Wiedemann. 1,970,409; Aug. 14.
- Ratchet wrench. A. Daugherty. 1,944,171; Jan. 23.
- Ratchet wrench. W. C. Kress. 1,957,462; May 8.
- Ratchet wrench. T. O. Rueb. 1,981,526; Nov. 20.
- Ratchet wrench. A. Walton. 1,970,721; Aug. 21.
- Rate change device. E. J. Kearney and R. S. Condon. 1,977,311; Oct. 16.
- Rate mechanism. R. C. Coupland. 1,946,484-5; Feb. 13.
- Ratio between the linear function of two temperatures, Apparatus for indicating the. R. Lanquettin. 1,946,702; Feb. 13.
- Ratio of the ingredients in a mixture of gases or liquids, Device for measuring the. E. Schweitzer. 1,947,923; Feb. 20.
- Ravel stop for knitted stockings. J. A. Goodman. 1,955,364; Apr. 17.
- Raveling of garment seams, Preventing. N. N. Gross. 1,950,885; Mar. 13.
- Raw materials, Apparatus for refining of. R. C. Benner and A. L. Ball. 1,971,335; Aug. 28.
- Raw materials for the manufacture of iron red dry colors, Production of. J. B. Castner and R. W. Powers. 1,943,948; Jan. 16.
- Ray intensity meter system. C. H. Thomas. 1,961,717; June 5.
- Rayon and spinning solution therefor, Delustered. F. H. Griffin. 1,983,450; Dec. 4.
- Rayon, Continuous process and apparatus for making. W. H. Furness. 1,983,221; Dec. 4.
- Rayon, Desulphurizing. G. I. Thurmond. 1,977,533; Oct. 16.
- Rayon fiber and treating the same. G. J. Nord. 1,945,330; Jan. 30.
- Rayon manufacture. W. H. Furness. 1,983,795; Dec. 11.
- Rayon, Process and apparatus for producing dull luster. R. A. J. Thenoz. 1,944,378; Jan. 23.
- Rayon, Simultaneously spinning, twisting, and purifying. M. T. Sanders and R. A. Hales. 1,951,845; Mar. 20.
- Rayon spinning machine. J. Brenzinger. 1,980,610; Nov. 13.
- Rayon spinning machine. J. J. Sippel. 1,954,956; Apr. 17.
- Rayon spinning machine. J. J. Sippel. 1,968,359; July 31.
- Razor. M. M. Eells. 1,950,789; Mar. 13.

- Razor. A. J. Laird. 1,971,985; Aug. 28.
 Razor. E. H. Levitt and T. Ulmer. 1,975,365; Oct. 2.
 Razor. E. N. Weber. 1,966,193; July 10.
 Razor and blade, Safety. M. B. Behrman. 1,943,415; Jan. 16.
 Razor and loading device therefor. O. V. Rodrigues. 1,969,945; Aug. 14.
 Razor and sharpening device, Combination safety. L. V. Aronson. 1,966,425-6; July 17.
 Razor and stropper, Safety. E. B. Hoff. 1,952,253; Mar. 27.
 Razor and stropping attachment, Safety. H. Cordrey. 1,942,049; Jan. 2.
 Razor appliance, Safety. K. H. Schaanning. 1,977,529; Oct. 16.
 Razor blade. G. R. McIlbagg. Des. 92,361; May 29.
 Razor blade and bathroom article holder. J. Cutler. Des. 93,331; Sept. 18.
 Razor blade and holder. W. G. Adams. 1,947,633; Feb. 20.
 Razor blade box. W. B. Lashar. 1,952,596; Mar. 27.
 Razor blade drier and container. L. S. Lifton. 1,956,743; May 1.
 Razor blade, Electric safety. M. P. McCarty. 1,978,804; Oct. 30.
 Razor blade etching machine, Automatic. M. Wloka. 1,952,006; Mar. 20.
 Razor blade holder. J. C. Chalmers. 1,978,857; Oct. 30.
 Razor blade holder. J. Holtzman. 1,969,752; Aug. 14.
 Razor blade holder. R. L. Neidhart. 1,957,663; May 8.
 Razor blade holder. F. A. Wennerstrom. 1,984,906; Dec. 18.
 Razor blade drier. E. G. Nyman. 1,980,593; Nov. 13.
 Razor blade honing and stropping device. C. Newman. 1,979,282; Nov. 6.
 Razor blade lubricator. S. A. Morehouse. 1,978,716; Oct. 30.
 Razor blade polishing and stropping machine. M. Wloka. 1,985,874; Dec. 25.
 Razor blade receptacle. J. W. Ash. 1,953,037; Mar. 27.
 Razor blade, Safety. E. D. Chadwick. 1,963,649; June 19.
 Razor blade, Safety. R. L. Gardner and R. D. Lloyd. 1,976,987; Oct. 16.
 Razor blade sharpening device. B. Rous. 1,968,424; July 31.
 Razor blade sharpening machine. E. G. Gilson. 1,979,970; Nov. 6.
 Razor blades, Apparatus for grinding and stropping hollow ground. L. Brylski. 1,983,214; Dec. 4.
 Razor blades, Device for honing and stropping. A. Hazan. 1,947,849; Feb. 20.
 Razor blades, Device for resharpening. G. F. Lawrence. 1,958,308; May 8.
 Razor blades, Sharpening. C. B. Perolat. 1,945,201; Jan. 30.
 Razor, Lady's safety. J. J. Schermack. 1,958,718; May 15.
 Razor, Mower. C. W. Shipman. 1,981,202; Nov. 20.
 Razor, Safety. W. G. Adams. 1,951,688; Mar. 20.
 Razor, Safety. L. V. Aronson. 1,955,482; Apr. 17.
 Razor, Safety. J. W. Ashforth. 1,942,911; Jan. 9.
 Razor, Safety. J. W. Ashworth. 1,952,576; Mar. 27.
 Razor, Safety. B. Åström. 1,980,029; Nov. 6.
 Razor, Safety. M. B. Behrman. 1,943,414; Jan. 15.
 Razor, Safety. M. B. Behrman. 1,961,132; June 5.
 Razor, Safety. W. H. Black. 1,981,773; Nov. 20.
 Razor, Safety. C. C. Blake. 1,960,406; May 29.
 Razor, Safety. C. C. Bradbury. 1,947,244; Feb. 13.
 Razor, Safety. R. E. Chojnacki. 1,954,118; Apr. 10.
 Razor, Safety. J. E. Connolly. 1,975,535; Oct. 2.
 Razor, Safety. G. A. Ekstedt. 1,945,265; Jan. 30.
 Razor, Safety. L. A. Flinker. 1,984,338; Dec. 11.
 Razor, Safety. A. E. Frandi. 1,943,173; Jan. 9.
 Razor, Safety. J. D. Garretson. 1,942,692; Jan. 9.
 Razor, Safety. J. D. Garretson. 1,952,370; Mar. 27.
 Razor, Safety. E. J. Gray. 1,975,757; Oct. 2.
 Razor, Safety. J. H. Groh. 1,974,182; Sept. 18.
 Razor, Safety. S. B. Heppenstall, jr. 1,955,460; Apr. 17.
 Razor, Safety. G. Hofmann. 1,980,202; Nov. 13.
 Razor, Safety. J. Holtzman. 1,944,604; Jan. 23.
 Razor, Safety. J. Holtzman. 1,958,271; May 8.
 Razor, Safety. B. F. Johnson. 1,954,628; Apr. 10.
 Razor, Safety. Z. A. Keith. 1,984,586; Dec. 18.
 Razor, Safety. J. S. Kennard, jr. 1,945,370; Jan. 30.
 Razor, Safety. J. U. Korea. 1,981,958; Nov. 27.
 Razor, Safety. J. Long. 1,956,510; Apr. 24.
 Razor, Safety. H. L. MacNeill. 1,944,356; Jan. 23.
 Razor, Safety. O. F. Mann. 1,945,117; Jan. 30.
 Razor, Safety. A. A. Martin and R. E. Johnston. 1,951,552; Mar. 20.
 Razor, Safety. W. G. McAdoo. 1,953,248; Apr. 3.
 Razor, Safety. J. E. McWilliams. 1,978,274; Oct. 23.
 Razor, Safety. F. W. Merrick. 1,961,236; June 5.
 Razor, Safety. F. Mohrenwitz. 1,974,504; Sept. 25.
 Razor, Safety. J. Muros. 1,953,685; Apr. 3.
 Razor, Safety. J. Muros. 1,956,175; Apr. 24.
 Razor, Safety. J. Muros. 1,982,878; Dec. 4.
 Razor, Safety. W. I. Ohmer. 1,966,307; July 10.
 Razor, Safety. R. W. Pautler. 1,979,404; Nov. 6.
 Razor, Safety. H. B. Pearson. 1,960,680; May 29.
 Razor, Safety. L. W. Rosen. 1,962,912; June 12.
 Razor, Safety. H. E. Sage. 1,959,841; May 22.
 Razor, Safety. H. Stoney. 1,960,290; May 29.
 Razor, Safety. H. Stoney. 1,967,180; July 17.
 Razor, Safety. G. Taylor. 1,947,318; Feb. 13.
 Razor, Safety. G. Taylor. 1,954,963; Apr. 17.
 Razor, Safety. G. Taylor. 1,960,684; May 29.
 Razor, Safety. E. G. Thornkvist. 1,977,534; Oct. 16.
 Razor, Safety. S. Trachtenberg. 1,950,073; Mar. 6.
 Razor, Safety. J. H. Woods. 1,985,132; Dec. 18.
 Razor, Self sharpening safety. P. and P. P. Cook. 1,978,988; Oct. 30.
 Razor, Self sharpening safety. A. Pascoo. 1,960,952; May 29.
 Razor, sharpener, razor blade sharpening instrument, and razor blade. H. De Haven. 1,951,399; Mar. 20.
 Razor sharpening device. R. W. McMullen. 1,971,867; Aug. 28.
 Razor sharpening device. A. J. Warren. 1,942,229; Jan. 2.
 Razor strop holder, Sanitary. R. Delisle. 1,984,120; Dec. 11.
 Razors, Device for sharpening the blades of safety. W. Barsch. 1,943,156; Jan. 9.
 Reaction apparatus. A. F. Constable. 1,953,954; Apr. 10.
 Reaction chamber. R. D. Mailey. 1,969,655; Aug. 7.
 Reaction chamber and scrubber, Combination. E. W. Beardsley. 1,981,852; Nov. 27.
 Reaction product of butadiene derivatives with hydrogen halides and producing same. E. Gebauer-Fuelnegg and E. W. Moffett. 1,980,396; Nov. 13.
 Reaction product of mercapto-aryl-thiazoles and organic acid halides. M. W. Harman. 1,951,052; Mar. 13.
 Reaction product of sulphur dioxide and aldehyde derivatives of a Schiff's base. D. H. Tompkins. 1,973,918; Sept. 18.
 Reaction products of glycols and boric acid and producing the same. H. Bennett. 1,953,741; Apr. 3.
 Reaction products of ketene, Making. G. H. Law. 1,942,110; Jan. 2.
 Reaction products of the destructive hydrogenation of carbonaceous materials, Recovery of the. M. Pier and K. Winkler. 1,961,982; June 5.
 Reaction with hydrogen and in apparatus therefor. M. Pier, K. Wissel, and W. Dinkler. 1,949,109; Feb. 27.
 Reactions in periodically heated chambers, Carrying out. P. Feiler, H. Weigmann, and G. Hirschberg. 1,973,851; Sept. 18.
 Reactions, Method of and apparatus for propagating. S. T. Wiles. 1,946,252; Feb. 6.
 Reactor or circuit controller, Slow. A. B. Rypinski. 1,972,112; Sept. 4.
 Reading device for a scale. W. Gumprich. 1,954,045; Apr. 10.
 Reading glass attachment. C. W. White. 1,975,673; Oct. 2.
 Reading lamp. F. M. Machold. 1,946,866; Feb. 13.
 Reading, Means for. M. Feybusch. 1,977,475; Oct. 16.
 Reading outfit. R. A. de Vore. 1,983,439; Dec. 4.
 Reading stand. P. Teitscheid. 1,952,297; Mar. 27.
 Readings on circular charts, Apparatus for obtaining an average of. E. R. Burgher. 1,946,012; Feb. 6.
 Reagents in lead refining, Removal of residual debismuthizing. J. O. Betterton and Y. E. Lebedeff. 1,979,442; Nov. 6.
 Real estate sign. C. A. Woolsey. Des. 94,063; Dec. 11.
 Reamer. E. E. Davis. 1,941,790; Jan. 2.
 Reamer. G. A. De Vlieg. 1,949,116; Feb. 27.
 Reamer. G. W. Ferrel. 1,964,458; June 26.
 Reamer. J. G. Matthews. 1,947,531; Feb. 20.
 Reamer. L. T. Pedigo. 1,983,488; Dec. 4.
 Reamer, Adjustable. L. C. Vanderlip. 1,963,767; June 19.
 Reamer, Citrus fruit. W. O. Brown. 1,970,274; Aug. 14.
 Reamer, Expansion. O. Severson. 1,960,319; May 29.
 Reamer for earth-boring buckets. F. A. Schroeder. Re19,281; Aug. 21.
 Reamer, Nonchattering. M. R. Mesing. 1,974,620; Sept. 25.
 Reamer pilot. C. F. Petzinger. 1,963,803; June 19.
 Reamers, Device for sharpening. K. Bley. 1,953,212; Apr. 3.
 Reamers for citrus fruits. H. C. Stephens. 1,958,399; May 8.
 Reaming machine. L. E. Poole. 1,970,018; Aug. 14.
 Reaming tool. G. J. Ecker. 1,952,425; Mar. 27.
 Reaming tool. A. M. Vedoe. 1,952,342; Mar. 27.
 Reaper. E. O. Hanson. 1,968,683; July 31.
 Reaping machines for the purpose of lifting fallen grain, Attachment to. J. Harkness. 1,942,286; Jan. 2.
 Rear curtain light frame. F. R. Hall. 1,961,352; June 5.
 Rear view mirror for motor vehicles. S. Ostroff. 1,969,415; Aug. 7.
 Rear vision device. F. L. Smith. 1,977,019; Oct. 16.
 Receipt mechanism. H. F. Sedgebury. 1,977,016; Oct. 16.
 Receiver. C. G. and L. G. Kemp. 1,950,731; Mar. 13.
 Receiver, Ash. A. Keller. Des. 93,023; Aug. 14.
 Receiver system, Multiplex. E. V. Amy and J. G. Aceves. 1,976,909; Oct. 16.
 Receiver tuning mechanism. C. Bol and K. Posthumus. 1,957,243; May 1.
 Receiving apparatus. H. J. J. M. de Regnaud de Bellescize. 1,956,711; May 1.
 Receiving apparatus, Arrangement for regulating the selectivity of. C. Bol and H. Rinia. 1,960,893; May 29.
 Receiving apparatus, Multiplex. R. E. Mathes. 1,963,587; June 19.
 Receiving channels, Automatic selection of. R. S. Ohl. 1,950,123; Mar. 6.

- Receiving sets for wireless waves, Device for the adjustment of. J. L. Routin. 1,953,265; Apr. 3.
- Receiving system, Multiplex. W. Runge. 1,974,896; Sept. 25.
- Receptacle: *See*—
- Air mail receptacle. Lipstick receptacle.
 - Attachment plug receptacle. Milk receptacle.
 - Baking receptacle. Money receptacle.
 - Butter receptacle. Plug receptacle.
 - Cash and check collecting receptacle. Pocket receptacle.
 - Circuit breaking receptacle. Polarized duplex receptacle.
 - Combination receptacle. Portable receptacle.
 - Continuous outlet receptacle. Preserving receptacle.
 - Deposit and collection receptacle. Razor blade receptacle.
 - Dispensing receptacle. Refrigerator receptacle.
 - Display receptacle. Shaving receptacle.
 - Electric plug receptacle. Shipping receptacle.
 - Electrical receptacle. Spill-proof receptacle.
 - Food receptacle. Stock receptacle.
 - Fuse receptacle. Storage battery receptacle.
 - Heat insulated receptacle. Toothbrush and powder receptacle.
 - Hinged receptacle. Toothbrush receptacle.
 - Knockdown receptacle. Vacuum-insulated receptacle.
 - Lamp receptacle. Waste receptacle.
 - Laundry receptacle. Water-sealed receptacle.
- Receptacle. E. Brosler. 1,980,715; Nov. 13.
- Receptacle. H. L. Bruce. 1,981,853; Nov. 27.
- Receptacle. R. R. Fenska. 1,945,141; Jan. 30.
- Receptacle. L. Hirschhorn. 1,972,264; Sept. 4.
- Receptacle. C. P. Hurley. 1,955,745; Apr. 24.
- Receptacle. I. M. Johnson. 1,973,682; Sept. 11.
- Receptacle. E. O. Loebner. 1,977,641; Oct. 23.
- Receptacle. J. Makowsky. 1,948,794; Feb. 27.
- Receptacle. L. Rosenberg. 1,982,696; Dec. 4.
- Receptacle. G. Rottman. 1,957,980; May 8.
- Receptacle. M. M. Seipt. 1,955,610; Apr. 17.
- Receptacle. E. E. C. Serre. 1,977,922; Oct. 23.
- Receptacle. H. E. Whitney. 1,951,498; Mar. 20.
- Receptacle. E. C. Wolf. 1,954,006; Apr. 10.
- Receptacle and advertising display, Combination. M. M. Sverdlhoff. 1,983,153; Dec. 4.
- Receptacle and combination tray and cover. A. C. and H. H. Crimmel. 1,949,453; Mar. 6.
- Receptacle and cover operating mechanism therefor. C. Carola. 1,948,413; Feb. 20.
- Receptacle and ejector, Ash. E. W. Patterson. 1,951,991; Mar. 20.
- Receptacle and illuminated top therefor, Combined waste. L. E. Stewart. Des. 91,334; Jan. 9.
- Receptacle and method of forming and stacking the same. H. Carew. 1,972,007; Aug. 28.
- Receptacle and plug, Water tight. J. C. Wylie. 1,977,106; Oct. 16.
- Receptacle and producing the same. F. Klinger. 1,953,005; May 8.
- Receptacle and socket for neon tubes. A. P. Linville. 1,955,854; Apr. 24.
- Receptacle and tray, Combined. P. A. Labbe. 1,941,558; Jan. 2.
- Receptacle cap, Nonremovable. E. A. Corbin, jr. 1,977,623; Oct. 23.
- Receptacle cleaning and filling apparatus. W. H. Newey. 1,977,138; Oct. 16.
- Receptacle cleansing machine. C. and H. Doering. 1,960,530; May 29.
- Receptacle closure. W. H. Engels. 1,976,720; Oct. 16.
- Receptacle closure. A. L. Merolle. Des. 93,630; Oct. 16.
- Receptacle closure. F. G. and R. F. Neuberth. 1,968,258; July 31.
- Receptacle closure. L. D. Reinbolt. 1,979,230; Oct. 30.
- Receptacle closure for sifter cans and the like. A. I. Cone. 1,970,557; Aug. 21.
- Receptacle closure, Making a. C. H. Egan. 1,956,012; Apr. 24.
- Receptacle cover. J. Grashow. 1,960,308; May 29.
- Receptacle cover. R. H. Jamison. 1,961,223; June 5.
- Receptacle cover, Electrical. C. T. Hollingsworth. Des. 91,940; Apr. 10.
- Receptacle filling and draining device. G. V. Gavaza. 1,950,172; Mar. 6.
- Receptacle filling and draining device. G. V. Gavaza. 1,963,522; June 19.
- Receptacle filling device. L. R. Ostlund. 1,964,645; June 26.
- Receptacle for batteries and similar articles. H. Brunjes. Des. 92,451; June 12.
- Receptacle for batteries and similar articles. O. B. Carson. Des. 91,756; Mar. 20.
- Receptacle for carbonating and dispensing liquids. E. Jacobs. 1,979,390; Nov. 6.
- Receptacle for checks, coins and the like, Safety. A. A. Knee. 1,983,089; Dec. 4.
- Receptacle for dust or refuse. H. Craske. 1,959,263; May 15.
- Receptacle for electric plugs. B. F. Muldoon. 1,982,263; Nov. 27.
- Receptacle for food products. R. H. Townsley. 1,983,685; Dec. 11.
- Receptacle for garbage, etc. W. von Elm. 1,966,323; July 10.
- Receptacle for harvesters. E. A. Johnston. 1,985,373; Dec. 25.
- Receptacle for liquids. A. Rivera. 1,979,903; Nov. 6.
- Receptacle for milk bottles, Locking. H. G. Charlet. 1,981,780; Nov. 20.
- Receptacle for napkins and straws. J. W. Saunders. Des. 93,893; Nov. 20.
- Receptacle for soda fountain refrigerators, Reversible. C. J. Frahm and J. F. Spear. 1,973,202; Sept. 11.
- Receptacle for volatile liquids, Safety. L. O. Brown. 1,954,983; Apr. 17.
- Receptacle frame. R. Prahar. Re19,306; Sept. 4.
- Receptacle head for electric lights. C. M. Cole. 1,949,008; Feb. 27.
- Receptacle head for electric lights. C. M. Cole. 1,956,754; May 1.
- Receptacle holder. D. E. and E. Sandberg. 1,947,879; Feb. 20.
- Receptacle lifter. E. L. Thomas. 1,964,392; June 26.
- Receptacle making apparatus. E. L. Jones. 1,952,869; Mar. 27.
- Receptacle protector. L. B. Gray. 1,957,263; May 1.
- Receptacle structure. A. L. Merolle. 1,977,589; Oct. 16.
- Receptacles and article produced thereby, Forming. I. Pedersen and E. G. Stahle. 1,979,572; Nov. 6.
- Receptacles, Apparatus for shaping. J. W. Hand. 1,973,622; Sept. 11.
- Receptacles, Apparatus for washing. I. H. Kendall. 1,972,711; Sept. 4.
- Receptacles, Device for emptying refuse. O. Ballert. 1,963,288; June 19.
- Receptacles, Felting fibrous. R. E. Hall. 1,962,655; June 12.
- Receptacles having a neck, Felting fibrous. R. E. Hall. 1,962,656; June 12.
- Reciprocating-crosshead engine. K. O. Keller. 1,979,557; Nov. 6.
- Reciprocating electric motor. W. Z. Allen. 1,954,689; Apr. 10.
- Reciprocating grain screen. W. C. Wheeler. 1,978,003; Oct. 23.
- Reciprocating mechanism. H. H. Cobe. 1,974,262; Sept. 18.
- Reciprocating mechanism. J. G. Gordon. 1,961,349; June 5.
- Reciprocating motor. W. C. Erwin. 1,943,009; Jan. 9.
- Reciprocating motor. M. J. Rich. 1,967,451; July 24.
- Reciprocating pump. W. A. O'Bannon. 1,966,994; July 17.
- Reciprocating pump. A. F. Ruthven. 1,977,489; Oct. 16.
- Reciprocating valve. H. Dock. 1,983,744; Dec. 11.
- Recirculation control for kilns and furnaces. C. M. Francis. 1,973,978; Sept. 18.
- Reclaimer, Pulp wood. K. O. Guthrie. 1,969,367; Aug. 7.
- Reclaiming and reconditioning saws. O. J. W. Loughheed. 1,969,618; Aug. 7.
- Reclaiming or distilling apparatus. C. P. Tolman. 1,981,480; Nov. 20.
- Reclining chair. P. H. Kelly. 1,960,156; May 22.
- Record. E. K. Bottle. 1,941,876; Jan. 2.
- Record analyzer. R. Zigueld. 1,944,678; Jan. 23.
- Record and making the same, Sound. B. E. Eldred. 1,975,929; Oct. 9.
- Record assembly, Compound. W. D. Caton. 1,980,318; Nov. 13.
- Record changing device. D. T. Allen. 1,966,576; July 17.
- Record changing device. C. Schwartz. 1,963,214; June 19.
- Record changing mechanism. E. E. Collison and E. Degenhart. 1,970,891; Aug. 21.
- Record control for recording machines. R. H. Wood. 1,945,716; Feb. 6.
- Record controlled machine. J. W. Galyon. 1,972,984; Sept. 11.
- Record device. Z. Auerbach. 1,974,004-5; Sept. 18.
- Record feeding and attaching device. P. Baum. 1,950,216; Mar. 6.
- Record magazine for autographic phonographs. P. U. Lannerd. 1,965,744; July 10.
- Record, Making a combined sound and picture. J. G. Capstaff. 1,973,463; Sept. 11.
- Record perforating device. J. T. Schaaff. 1,944,671; Jan. 23.
- Record sheet feed mechanism. M. Maul. 1,951,517; Mar. 20.
- Record sheet, Multiple. C. L. Johnston. 1,974,614; Sept. 25.
- Record, Sound. E. W. Duke. 1,963,079; June 19.
- Record strip aligner for writing machines. L. F. Hagemann. 1,985,824; Dec. 25.
- Record strip control. J. D. Bright. 1,962,001; June 5.
- Record strip feeding means. J. A. Spencer. 1,981,876; Nov. 20.
- Record tablet, Sound. W. H. Miller. 1,976,795; Oct. 16.
- Recorder: *See*—
- Course recorder. Scanning recorder.
 - Dual production and cost control recorder. Shoe-shine recorder.
 - Impact recorder. Time recorder.
 - Multiple recorder. Vibration recorder.
 - Recorder. H. R. Cool. 1,980,786; Nov. 13.
 - Recorder. R. P. Dodds. 1,966,543; July 17.
 - Recorder. P. van S. Kolff. 1,952,991; Mar. 27.
 - Recorder. E. E. Talliaferro. 1,950,870; Mar. 13.
 - Recorder and reproducer, Combined. G. von Arco and C. Schapira. 1,974,904; Sept. 25.
 - Recorder for automatically recording temperature changes, Potentiometer. E. Williams and F. Moore. 1,977,708; Oct. 23.

- Recording and controlling, Apparatus for. H. C. Parker. 1,951,035; Mar. 13.
- Recording and/or controlling apparatus, Automatic. J. L. Hodgson, G. P. E. Howard, and A. Ivanoff. 1,982,053; Nov. 27.
- Recording and reproducing. L. Thurm. 1,960,094; May 22.
- Recording and reproducing apparatus. W. S. Fridell. 1,957,584; May 8.
- Recording and reproducing, Method of and system for. W. K. Grimwood. 1,957,885; May 8.
- Recording apparatus. W. W. Hester. 1,977,630; Oct. 23.
- Recording device. C. M. F. Friden. 1,979,208; Oct. 30.
- Recording device. M. Knobel. 1,962,311; June 12.
- Recording device for meters. G. G. Waite and G. W. Lawrence. 1,947,816; Feb. 20.
- Recording device mechanism. C. L. McMullen. 1,967,677; July 24.
- Recording-emitting assembly for automatic telephone systems. M. Tchoubritsch. 1,960,129; May 22.
- Recording instrument. R. Dietze. 1,967,080; July 17.
- Recording instrument. D. S. Hays. 1,964,632; June 26.
- Recording instrument. T. J. Smulski. 1,979,713; Nov. 6.
- Recording instrument. F. J. Suhr. Des. 93,855; Nov. 13.
- Recording mechanism for truck mixers and the like. G. K. Viall. 1,983,887; Dec. 11.
- Recording method and system. C. J. Young. 1,967,072; July 17.
- Recording system. J. B. Harley. 1,952,861; Mar. 27.
- Recording the timing conditions in internal combustion engine ignition circuits, System for. H. E. Barnes. 1,957,432; May 8.
- Records, Apparatus for checking and verifying. L. E. Brougham. 1,984,516; Dec. 18.
- Records, Apparatus for multiplying. A. Oser. 1,982,017; Nov. 27.
- Records, Apparatus for the manipulation and playing of disk. A. W. Ingall. 1,961,972; June 5.
- Records, Apparatus for the manufacture of perforated. F. J. Sprague. 1,978,966; Oct. 30.
- Records, Making sound. B. E. Eldred. 1,975,928; Oct. 9.
- Records, Making sound. B. Freund. 1,974,710; Sept. 25.
- Records, Method and apparatus for multiplying. D. Wolfson. 1,957,483; May 8.
- Records, Method of and apparatus for manipulating talking machine or phonograph. R. F. Mallina. 1,983,941; Dec. 11.
- Records, Method of and apparatus for producing synchronized. A. E. Zoppa. 1,949,771; Mar. 6.
- Records of meter and like readings, Method of and apparatus for making photographic. W. H. Petit and E. S. Hineline. 1,963,312; June 19.
- Records on films, Apparatus for making sound and picture. B. Freund. 1,974,709; Sept. 25.
- Records, Reproducing color. M. W. Seymour. 1,976,300; Oct. 9.
- Recovery by cold of a constituent in a gas mixture. M. Gobert. 1,976,933; Oct. 16.
- Recovery device for pneumatic suspensions, Automatic. G. L. R. J. Messier. 1,980,423; Nov. 13.
- Recovery process. L. E. Branchen. 1,964,191; June 26.
- Rectification. B. Linde. 1,950,313; Mar. 6.
- Rectification, Process of. S. C. Carney. 1,957,818; May 8.
- Rectifier. J. Kubler and J. Jonas. 1,969,668; Aug. 7.
- Rectifier. M. Osnos. 1,975,647; Oct. 2.
- Rectifier. C. Spaeth. 1,967,910; July 24.
- Rectifier. E. A. E. Törnblom. 1,963,876; June 19.
- Rectifier and pentode, Combined. H. W. Parker. 1,982,068; Nov. 27.
- Rectifier comprising an auxiliary electrode, High tension. G. Holst. 1,949,048; Feb. 27.
- Rectifier construction for separating mixed fluids. W. L. De Baufre. 1,956,495; Apr. 24.
- Rectifier control system. H. Keller. 1,946,973; Feb. 13.
- Rectifier-control system. E. Kern. 1,963,021; June 12.
- Rectifier control system. E. Kobel. 1,971,720; Aug. 28.
- Rectifier control system. S. Widmer and G. Brunner. 1,983,204; Dec. 4.
- Rectifier cooling system. S. Widmer. 1,967,696; July 24.
- Rectifier, Copper oxide. P. H. Dowling. 1,975,356; Oct. 2.
- Rectifier, Dry. F. Bauer and E. W. Kafka. 1,947,075; Feb. 13.
- Rectifier, Dry. W. C. van Geel, J. H. de Boer, and H. Emmens. 1,985,118; Dec. 18.
- Rectifier, Electric. H. Simon and M. Bareiss. 1,953,781; Apr. 3.
- Rectifier for motion picture projectors. R. D. Amsden. 1,947,240; Feb. 13.
- Rectifier, High voltage. E. E. Charlton and W. I. Relyea. 1,959,195; May 15.
- Rectifier, Mechanical. A. D. Silva. 1,960,599; May 29.
- Rectifier, Mercury-vapor. A. Siemens. 1,982,326; Nov. 27.
- Rectifier system. J. R. Power. 1,943,088; Jan. 9.
- Rectifier system. M. H. Schrenk. 1,972,538; Sept. 4.
- Rectifier system, Regenerative. R. C. Griffith. 1,960,995; May 29.
- Rectifier, Thermionic. H. W. Parker. 1,982,067; Nov. 27.
- Rectifier transformer. J. Kübler. 1,964,521; June 26.
- Rectifier tube. D. V. Edwards and E. K. Smith. 1,953,906; Apr. 3.
- Rectifier tube. O. T. McIlvaine. 1,946,354; Feb. 6.
- Rectifier with a plurality of anodes, Electrical discharging. W. Germershausen. 1,944,555; Jan. 23.
- Rectifiers, Protection of controlled. M. Schenkel. 1,947,063; Feb. 13.
- Rectifiers, Treating dry. E. A. Harty. 1,976,556; Oct. 9.
- Rectifying and filtering system, Electrical. B. F. Miessner. 1,948,307; Feb. 20.
- Rectifying apparatus. P. H. Geiger. 1,956,675; May 1.
- Rectifying process. M. P. Youker. 1,954,839; Apr. 17.
- Recuperator. T. W. Munford. 1,980,077; Nov. 6.
- Recuperator. A. Schack. 1,983,194; Dec. 4.
- Recuperator structure. W. A. Morton. 1,958,200; May 8.
- Red squill for use as a rodent exterminator, Treating. J. B. Edmonds. 1,952,977; Mar. 27.
- Reducing valve. P. Kearny. 1,961,589; June 5.
- Reduction dubbing and recording of sound on films. S. C. Whitman. 1,963,480; June 19.
- Reduction gear. E. S. Bush. 1,985,016; Dec. 18.
- Reduction gear. R. Chilton. 1,950,971; Mar. 13.
- Reduction of metallic bodies. A. P. Steckel and H. S. Lamb. 1,968,790; July 31.
- Reed for looms. W. H. Fish. 1,984,732; Dec. 18.
- Reed for musical instruments. A. Montanare. 1,985,102; Dec. 18.
- Reed moving mechanism. G. J. Dupuis. 1,946,394; Feb. 6.
- Reel—See—
- Cable reel. Fly casting basket reel.
 - Clothesline reel. Hose reel.
 - Collapsible reel. Magazine reel.
 - Cord take-up reel. Motion picture reel.
 - Demountable hump reel. Multiple winding reel.
 - Dyeing and washing reel. Nonrotative reel.
 - Edged cardboard reel. Thread reel.
 - Extension cord reel. Uniform speed reel.
 - Film reel. Vertical strip reel.
 - Fishing reel. Wire reel.
- Reel. W. G. Brown and G. A. Gleason. 1,980,153; Nov. 6.
- Reel. A. A. Bureau. 1,981,138-9; Nov. 20.
- Reel. A. A. Bureau and R. W. Clemmons. 1,981,140; Nov. 20.
- Reel. C. I. Earll. 1,941,880-1; Jan. 2.
- Reel. G. A. Gleason. 1,984,738; Dec. 18.
- Reel. S. G. Hirsch. 1,974,333; Sept. 18.
- Reel. H. C. Howsam. 1,977,880; Oct. 23.
- Reel. T. Malkomes. 1,951,986; Mar. 20.
- Reel. P. M. Mueller. 1,981,809; Nov. 20.
- Reel. S. A. Oravec and M. J. Shedlock. 1,944,264; Jan. 23.
- Reel. E. G. Purdy. 1,944,669; Jan. 23.
- Reel. E. E. Strawn. 1,972,606; Sept. 4.
- Reel. C. H. White. 1,972,723; Sept. 4.
- Reel and container. J. Armstrong. 1,966,276; July 10.
- Reel and guard, Thread. R. B. May. 1,960,273; May 29.
- Reel and similar device, Hose. J. W. Ash. 1,942,388; Jan. 2.
- Reel apparatus and method of loading reels. C. C. Sunderland. 1,945,095; Jan. 30.
- Reel clamp. O. M. Davis. 1,946,455; Feb. 6.
- Reel fitting. F. A. Bassett. 1,970,641; Aug. 21.
- Reel for dye kettles and the like, Adjustable. W. J. Simonds. 1,957,619; May 8.
- Reel for extension lights. R. Gibson. 1,951,330; Mar. 13.
- Reel for telephone cords. A. J. Cline. 1,946,778; Feb. 13.
- Reel for transporting cable. L. R. McGuire. 1,944,188; Jan. 23.
- Reel for vending machines. C. H. Erne. 1,957,329; May 1.
- Reel mount for fishing rods. F. W. Breder. 1,980,316; Nov. 13.
- Reel of the nonfree-spool type, Free-line-casting level-wind. J. Kautzky, jr. 1,942,710; Jan. 9.
- Reel seat. G. H. Clark and R. E. Yates. 1,980,317; Nov. 13.
- Reeling apparatus. W. E. Mougey. 1,984,538; Dec. 18.
- Reeling device. H. C. Rostwick. 1,952,904; Mar. 27.
- Reeling device. H. K. Krantz. 1,958,626; May 15.
- Reeling machine. I. Kowada. 1,943,798; Jan. 16.
- Reels of paper in printing and other machines, Carrying. J. Shaw. 1,945,621; Feb. 6.
- Reinforced tank. W. J. Simonds. 1,948,137; Feb. 20.
- Reinforcement for headers and stretchers. W. T. White. 1,950,343; Mar. 6.
- Reinforcement structure for horseshoes of elastic material, Metal. Ö. Harsen. 1,962,073; June 5.
- Reinforcing and fastening means for tile. R. H. Stitt. 1,951,711; Mar. 20.
- Reinforcing means for tire covers. T. J. W. Tyson. 1,956,633; May 1.
- Reinforcing structural members. A. G. Leake. 1,954,357; Apr. 10.
- Refectory table. O. A. Raphael. 1,985,620; Dec. 25.
- Refill mechanism for grease guns. N. R. Krause. 1,956,073; Apr. 24.
- Refilling device for reservoirs of oil stoves and the like. C. F. Nelson, W. E. Follin, and C. W. Nelson. 1,966,829; July 17.
- Refiner for pulp and like materials. W. H. Cannard. 1,963,970; June 26.
- Refining and beating engine. G. P. Prather. 1,960,753; May 29.
- Refining apparatus. C. H. Leach. Re19,377; Nov. 20.
- Refining apparatus. P. S. Nilsson. 1,948,126; Feb. 20.
- Refining machine. J. D. Haskell and G. P. Prather. 1,985,569; Dec. 25.
- Reflecting and light diffusing sign. A. M. Young. 1,967,602; July 24.
- Reflecting apparatus, Multi-pose. L. G. Simjian. 1,969,910; Aug. 14.

- Reflecting device. H. P. Verdich. 1,983,108; Dec. 4.
 Reflecting road signal. F. C. Weber. 1,955,478; Apr. 17.
 Reflecting sign. R. W. Luce. 1,974,575; Sept. 25.
 Reflecting signal. F. W. Braun and S. Sempliner. 1,966,879-80; July 17.
 Reflecting unit for vehicles. J. T. Horni. 1,943,440; Jan. 16.
 Reflectometer. F. A. Benford. 1,979,952; Nov. 6.
 Reflector. G. Arras. Des. 93,321; Sept. 18.
 Reflector. N. Lang. 1,947,344; Feb. 13.
 Reflector. L. B. London. Des. 92,968; Aug. 7.
 Reflector. T. A. Nolan. 1,970,671; Aug. 21.
 Reflector. V. L. Oestnaes and R. W. Luce. 1,957,797; May 8.
 Reflector. P. W. Reitinger. Des. 93,673; Oct. 23.
 Reflector. G. Trippe. 1,953,838; Apr. 3.
 Reflector. J. H. Waterbury. Des. 93,527; Oct. 2.
 Reflector and application to optical signaling and night advertising. Autocollimating. H. Chrétien. Re19,070; Feb. 6.
 Reflector and making the same. R. W. Luce. 1,950,005; Mar. 6.
 Reflector assembly, Demountable. P. Schmitt. 1,968,317; July 31.
 Reflector base support for silverware, glassware, or the like. A. Cooperstein. Des. 92,524; June 19.
 Reflector button sign. W. B. Wells. 1,963,728; June 19.
 Reflector, Dimmer double. E. Myers. 1,946,755; Feb. 13.
 Reflector, Dual. W. G. Thorburn. 1,949,503; Mar. 6.
 Reflector for traffic lane markers, etc. D. E. Koss. 1,952,943; Mar. 27.
 Reflector jewel. S. Kaplan. Des. 92,910; July 31.
 Reflector, Lamp. L. Broslow and L. Severus. 1,980,183; Nov. 13.
 Reflector, Lamp. E. Herst. Des. 93,347; Sept. 18.
 Reflector, Light. W. V. Bergen and A. C. Shute. Des. 92,574; June 26.
 Reflector, Lighting. G. Arras. 1,946,465; Feb. 13.
 Reflector sign. R. W. Luce. 1,974,576; Sept. 25.
 Reflectors, Apparatus for grinding. G. F. Tauchmann. 1,960,291; May 29.
 Reflectors, Making. V. L. Oestnaes and R. W. Luce. 1,982,318; Nov. 27.
 Reflectors, Manufacturing glass. C. R. Palmér and C. E. Anderson. 1,958,859; May 15.
 Reflectors, Producing sheet metal. R. W. Luce. 1,943,978; Jan. 16.
 Reforestation, Method of and apparatus for. R. R. Walling. 1,972,281; Sept. 4.
 Refractometer. G. Hansen. 1,968,202; July 31.
 Refractories, Making. W. M. Charman and P. R. Ward. 1,956,894; May 1.
 Refractory. W. M. Charman and P. R. Ward. 1,956,895; May 1.
 Refractory and batch composition for producing such a refractory, Glass resistant. P. G. Willetts. 1,944,856; Jan. 23.
 Refractory and making same. G. F. Comstock. 1,952,120; Mar. 27.
 Refractory and making the same, Basic. C. E. Williams and J. D. Sullivan. 1,954,552; Apr. 10.
 Refractory and method of manufacture. K. M. Simpson. 1,943,263; Jan. 9.
 Refractory article. T. M. Caven. 1,949,038; Feb. 27.
 Refractory articles and making the same, Glazed. R. C. Benner and H. N. Baumann, jr. 1,975,069; Oct. 2.
 Refractory articles and the product thereof, Surfacing. C. L. Norton. 1,964,743; July 3.
 Refractory articles, Manufacture of pressure molded. A. L. J. Queneau. 1,975,800; Oct. 9.
 Refractory bodies, Method of and apparatus for producing. A. L. R. Ellis and G. A. F. Winckler. 1,960,215; May 22.
 Refractory body and manufacturing the same. K. Friedersdorf. 1,944,709; Jan. 23.
 Refractory material. B. J. Patton. 1,984,759; Dec. 18.
 Refractory mass and producing same, Highly. A. Sprenger. 1,954,715; Apr. 10.
 Refractory material and batch and making the same. F. H. Riddle. 1,942,879; Jan. 9.
 Refractory material and making same, Porous. G. Slayter. 1,967,875; July 24.
 Refreshment booth, Portable. C. E. Mowrer. Des. 94,042; Dec. 11.
 Refreshment stand, Portable. J. F. Huckel. 1,979,549; Nov. 6.
 Refrigerant, Apparatus for the manufacture of a. M. Shoidl. 1,949,730; Mar. 6.
 Refrigerant compressor, Electric. P. W. Des Roches. 1,948,846; Feb. 27.
 Refrigerant compressor valve. J. R. Replagle. 1,973,103; Sept. 11.
 Refrigerant control device. J. D. Lear. 1,965,552; July 3.
 Refrigerant control for ice machines. N. M. Small. 1,944,115; Jan. 16.
 Refrigerant control for refrigerating systems. F. Shenton and M. W. Garland. 1,969,102; Aug. 7.
 Refrigerant control mechanism for evaporators. F. G. Slagel. 1,956,777; May 1.
 Refrigerant control valve. F. G. Slagel. 1,974,631; Sept. 25.
 Refrigerant evaporator. J. R. Repogle. 1,960,796; May 29.
 Refrigerant from freezing. Method and apparatus for preventing the liquefied. E. Altenkirch. 1,953,329; Apr. 3.
 Refrigerant, Method of and apparatus for controlling the flow of. R. H. Beman. 1,960,433; May 29.
 Refrigerant receptacle. R. A. Bennett. 1,952,026; Mar. 20.
 Refrigerant storage means. R. G. Ewer. 1,976,879; Oct. 16.
 Refrigerant to evaporators, Delivery of. R. H. Money. 1,978,028; Oct. 23.
 Refrigerant vaporizer. E. Heitman. 1,951,657; Mar. 20.
 Refrigerated display case. A. V. Phillips. 1,948,312; Feb. 20.
 Refrigerating apparatus. D. F. Alexander. 1,951,230; Mar. 13.
 Refrigerating apparatus. E. E. Allyne. 1,970,214; Aug. 14.
 Refrigerating apparatus. L. A. Banta. 1,985,138; Dec. 18.
 Refrigerating apparatus. E. C. Berkdoll. 1,983,895; Dec. 11.
 Refrigerating apparatus. F. R. Bichowsky and H. B. Hull. 1,957,313; May 1.
 Refrigerating apparatus. O. C. Botz. 1,955,669; Apr. 17.
 Refrigerating apparatus. S. L. Bright. 1,981,830; Nov. 20.
 Refrigerating apparatus. R. R. Candor. 1,974,736; Sept. 25.
 Refrigerating apparatus. R. B. Candor and D. C. Staley. 1,949,676; Mar. 6.
 Refrigerating apparatus. S. A. B. Dahlgren. 1,960,809; May 29.
 Refrigerating apparatus. E. Dickey. 1,972,551; Sept. 4.
 Refrigerating apparatus. T. Eichmann and H. Rufener. 1,971,397; Aug. 28.
 Refrigerating apparatus. J. R. Fehr. 1,946,464; Feb. 6.
 Refrigerating apparatus. W. B. Floyd. 1,948,572; Feb. 27.
 Refrigerating apparatus. H. M. Graham. 1,961,212; June 5.
 Refrigerating apparatus. H. M. Graham. 1,974,741; Sept. 25.
 Refrigerating apparatus. H. A. Greenwald. 1,955,957; Apr. 24.
 Refrigerating apparatus. J. A. Grier. 1,950,551; Mar. 13.
 Refrigerating apparatus. E. Heitman. 1,952,670; Mar. 27.
 Refrigerating apparatus. E. Heitman. 1,956,027; Apr. 24.
 Refrigerating apparatus. C. F. Henney. 1,985,252; Dec. 25.
 Refrigerating apparatus. G. F. Hofferberth. 1,958,392; May 8.
 Refrigerating apparatus. G. F. Hofferberth. 1,978,460; Oct. 30.
 Refrigerating apparatus. J. R. Hornaday. 1,962,771; June 12.
 Refrigerating apparatus. R. M. Hvid. 1,982,668; Dec. 4.
 Refrigerating apparatus. L. M. Keighley. 1,954,134; Apr. 10.
 Refrigerating apparatus. H. C. Kellogg. 1,985,785; Dec. 25.
 Refrigerating apparatus. C. F. Kettering. 1,955,192; Apr. 17.
 Refrigerating apparatus. J. G. King. 1,954,136; Apr. 10.
 Refrigerating apparatus. J. G. King. 1,981,598; Nov. 20.
 Refrigerating apparatus. H. W. Kleist. 1,946,496; Feb. 13.
 Refrigerating apparatus. J. R. Lassiter, jr., C. E. Quinn, and J. G. Lapham. 1,963,625; June 19.
 Refrigerating apparatus. R. L. Lee. 1,983,550; Dec. 11.
 Refrigerating apparatus. C. E. L. Lipman. 1,967,033; July 17.
 Refrigerating apparatus. H. R. Loranger. 1,981,562; Nov. 20.
 Refrigerating apparatus. D. E. Maccabee. 1,983,766; Dec. 11.
 Refrigerating apparatus. J. A. Macready. 1,957,280; May 1.
 Refrigerating apparatus. J. A. Macready and W. H. Matthews. 1,948,587; Feb. 27.
 Refrigerating apparatus. B. Miller. 1,948,275; Feb. 20.
 Refrigerating apparatus. R. K. Miller. 1,950,510; Mar. 13.
 Refrigerating apparatus. G. Muffy. 1,967,420; July 24.
 Refrigerating apparatus. L. A. Philipp. 1,955,087; Apr. 17.
 Refrigerating apparatus. L. A. Philipp. 1,979,638; Nov. 6.
 Refrigerating apparatus. D. H. Reeves. 1,952,282; Mar. 27.
 Refrigerating apparatus. E. A. Reeves. 1,957,292; May 1.
 Refrigerating apparatus. M. M. Roberts. 1,979,842; Nov. 6.
 Refrigerating apparatus. C. F. Rubsam. 1,958,206; May 8.
 Refrigerating apparatus. S. T. Sherrick. 1,951,679; Mar. 20.
 Refrigerating apparatus. L. W. Shutts. 1,973,116; Sept. 11.
 Refrigerating apparatus. N. M. Small. 1,954,749; Apr. 10.
 Refrigerating apparatus. H. F. Smith. 1,954,148; Apr. 10.
 Refrigerating apparatus. H. F. Smith. 1,979,291; Nov. 6.
 Refrigerating apparatus. L. C. Smith. 1,953,271; Apr. 3.

- Refrigerating apparatus. N. J. Smith. 1,954,498; Apr. 10.
 Refrigerating apparatus. C. W. Steiner. 1,945,924; Feb. 6.
 Refrigerating apparatus. E. O. Stout. 1,952,148; Mar. 27.
 Refrigerating apparatus. A. H. Strong. 1,955,612; Apr. 17.
 Refrigerating apparatus. O. M. Summers. 1,944,617; Jan. 23.
 Refrigerating apparatus. M. C. Terry. 1,950,638; Mar. 13.
 Refrigerating apparatus. O. G. Tinkey. 1,975,337; Oct. 2.
 Refrigerating apparatus. B. J. Vandoren and J. G. King. 1,951,223; Mar. 13.
 Refrigerating apparatus. G. B. Wagner. 1,970,720; Aug. 21.
 Refrigerating apparatus. H. E. Willsie. 1,978,520; Oct. 30.
 Refrigerating apparatus, Absorption. R. C. Fuller. 1,949,157; Feb. 27.
 Refrigerating apparatus, Absorption. D. B. Knight. 1,955,298; Apr. 17.
 Refrigerating apparatus, Absorption. P. Köhler. 1,979,482; Nov. 6.
 Refrigerating apparatus, Absorption. R. S. Nelson. 1,952,214; Mar. 27.
 Refrigerating apparatus, Absorption. P. Scholl and C. Kühnel. 1,956,402; Apr. 24.
 Refrigerating apparatus, Absorption type. P. Köhler. 1,974,716; Sept. 25.
 Refrigerating apparatus and method. C. L. Stevens. 1,951,496; Mar. 20.
 Refrigerating apparatus and process. D. N. Crosthwait, jr. 1,972,704; Sept. 4.
 Refrigerating apparatus, Making. L. C. Smith. 1,982,075; Nov. 27.
 Refrigerating apparatus, Manufacturing. J. G. Ford. 1,967,770; July 24.
 Refrigerating container. W. H. Hoodless. 1,963,743; June 19.
 Refrigerating device. A. L. Lambert. 1,952,716; Mar. 27.
 Refrigerating device. G. T. Pearsons. 1,963,674; June 19.
 Refrigerating display case. W. E. Hill. 1,961,901; June 5.
 Refrigerating machine. W. D. Drysdale. 1,981,848; Nov. 27.
 Refrigerating machine. E. Kägi. 1,951,915; Mar. 20.
 Refrigerating machine. C. Steenstrup. 1,955,701; Apr. 17.
 Refrigerating machine. C. Steenstrup. 1,974,317; Sept. 18.
 Refrigerating machine, Absorption. A. U. Särnmark. 1,955,345; Apr. 17.
 Refrigerating materials, Method of and apparatus for. L. N. Udell. 1,968,543; July 31.
 Refrigerating mechanism. E. B. Newill. 1,966,641; July 17.
 Refrigerating method and apparatus. D. N. Crosthwait, jr. 1,972,705; Sept. 4.
 Refrigerating method and machine. B. Hall. 1,983,754; Dec. 11.
 Refrigerating rooms and buildings. F. Opbuls. 1,947,223; Feb. 13.
 Refrigerating system. L. G. Copeland. Re19,055; Jan. 16.
 Refrigerating system. J. H. Denny. 1,960,576; May 20.
 Refrigerating system. H. D. Edwards. 1,960,623; May 29.
 Refrigerating system. H. O. Forrest, L. Van Horn, E. and P. C. Keith, and R. B. Crawford. 1,943,116; Jan. 9.
 Refrigerating system. P. G. Hollinger. 1,943,608; Jan. 16.
 Refrigerating system. A. Katzow. 1,961,297; June 5.
 Refrigerating system. L. J. Maringer. 1,978,469; Oct. 30.
 Refrigerating system. E. Maxwell. 1,948,389; Feb. 20.
 Refrigerating system. A. R. McLeod. 1,956,451; Apr. 24.
 Refrigerating system. G. Muffy. 1,967,536; July 24.
 Refrigerating system. W. B. Normell. 1,972,427; Sept. 4.
 Refrigerating system. P. F. Schlingman. 1,958,249; May 8.
 Refrigerating system. H. L. Semans and G. T. Heddaeus. 1,984,289; Dec. 11.
 Refrigerating system. C. L. Sieloff. 1,958,805; May 15.
 Refrigerating system. C. Steenstrup. 1,955,065; Dec. 18.
 Refrigerating system. A. R. Thomas. 1,964,391; June 26.
 Refrigerating system. L. H. Vold. 1,949,518; Mar. 6.
 Refrigerating system. R. Whitall. 1,959,993; May 22.
 Refrigerating system, Absorption. G. Maiuri. 1,949,651; Mar. 6.
 Refrigerating system, Absorption type. A. R. Thomas. 1,976,202; Oct. 9.
 Refrigerating system, Automatically controlled. L. U. Larkin. 1,969,652; Aug. 7.
 Refrigerating system for ice cream freezers. J. T. Smith. 1,968,507; July 31.
 Refrigerating system for vehicles and the like. J. D. Strobell and G. E. Hulse. 1,943,994; Jan. 16.
 Refrigerating systems, Apparatus for purging. E. B. McCabe. 1,947,095; Feb. 13.
 Refrigerating unit. H. E. Elrod. 1,981,097; Nov. 20.
 Refrigerating unit. F. C. Frary. 1,964,795; July 3.
 Refrigerating unit. R. W. Kritzer. 1,943,124; Jan. 9.
 Refrigerating unit. R. W. Kritzer. 1,967,312; July 24.
 Refrigerating unit. V. W. Moody. 1,973,881; Sept. 18.
 Refrigerating unit. H. Rubin. 1,950,905; Mar. 13.
 Refrigerating unit. W. B. Sanderson. 1,975,066; Sept. 25.
 Refrigeration. E. Altenkirch. 1,955,697; Apr. 17.
 Refrigeration. S. M. Backström and G. G. Lennmor. 1,960,802; May 29.
 Refrigeration. T. M. Elfving. 1,966,003; July 10.
 Refrigeration. W. R. Hainsworth. 1,958,573; May 15.
 Refrigeration. G. E. Hulse. 1,943,316; Jan. 16.
 Refrigeration. G. E. Hulse. 1,943,962; Jan. 16.
 Refrigeration. G. E. Hulse. 1,943,967; Jan. 16.
 Refrigeration. C. F. Kettering. 1,978,463; Oct. 30.
 Refrigeration. J. R. Killen. 1,972,844; Sept. 4.
 Refrigeration. D. B. Knight. 1,950,147; Mar. 6.
 Refrigeration. G. Maiuri and R. F. Bossini. 1,960,821; May 29.
 Refrigeration. E. B. Miller. 1,944,799; Jan. 23.
 Refrigeration. C. G. Munters. 1,945,975; Feb. 6.
 Refrigeration. C. G. Munters. 1,960,824; May 29.
 Refrigeration. C. G. Munters and S. M. Backström. Re19,350; Oct. 23.
 Refrigeration. K. B. Norton. 1,983,768; Dec. 11.
 Refrigeration. F. D. Peltier and C. E. Ploeger. 1,968,908; Aug. 7.
 Refrigeration. N. Persson. 1,950,152; Mar. 6.
 Refrigeration. N. Persson and S. M. Backström. 1,985,619; Dec. 25.
 Refrigeration. C. E. Ploeger and F. D. Peltier. 1,968,909; Aug. 7.
 Refrigeration. L. P. Reiss. 1,977,919; Oct. 23.
 Refrigeration. E. Rice, jr. 1,980,089; Nov. 6.
 Refrigeration. H. Sloan, E. S. H. Baars, and C. G. Bach. 1,944,472; Jan. 23.
 Refrigeration. H. E. Stevens, J. W. Windham, G. C. Albee, and E. Foster. 1,953,836; Apr. 3.
 Refrigeration. J. D. Strobell. 1,973,022; Sept. 11.
 Refrigeration. C. H. Tanger. Re19,322; Sept. 18.
 Refrigeration. A. R. Thomas. 1,974,728; Sept. 25.
 Refrigeration. A. R. Thomas and R. S. Taylor. 1,950,703; Mar. 13.
 Refrigeration. N. Widell. 1,960,040; May 22.
 Refrigeration. E. T. Williams. 1,971,245; Aug. 21.
 Refrigeration, Absorption. K. V. Nesselmann. 1,975,860; Oct. 9.
 Refrigeration and apparatus therefor. W. G. Clark. 1,982,789; Dec. 4.
 Refrigeration apparatus. W. G. Clark. 1,982,791; Dec. 4.
 Refrigeration apparatus. G. F. Forsthoefel. 1,985,286; Dec. 25.
 Refrigeration apparatus. M. E. Hanson. 1,978,795; Oct. 30.
 Refrigeration apparatus. J. W. Hill. 1,955,186; Apr. 17.
 Refrigeration apparatus. G. E. Hulse. 1,943,963; Jan. 16.
 Refrigeration apparatus. W. G. Midnight. 1,946,029; Feb. 6.
 Refrigeration apparatus. E. B. Miller. 1,943,616; Jan. 16.
 Refrigeration apparatus. F. J. Natwick and O. G. Tinkey. 1,957,349; May 1.
 Refrigeration apparatus. L. S. Parker. 1,956,621-2; May 1.
 Refrigeration apparatus. A. T. Stock. 1,981,606; Nov. 20.
 Refrigeration apparatus. M. Wildrick. 1,955,266; Apr. 17.
 Refrigeration apparatus. E. T. Williams. 1,947,574; Feb. 20.
 Refrigeration apparatus, Absorption. R. S. Taylor. 1,949,637; Mar. 6.
 Refrigeration apparatus and method of refrigerating. G. E. Hulse. 1,943,971; Jan. 16.
 Refrigeration, Artificial. H. S. Booth and G. G. Torrey. 1,960,368; May 29.
 Refrigeration-chilling apparatus. H. L. Nash. 1,953,626; Apr. 3.
 Refrigeration device. L. F. Fedders. 1,953,473; Apr. 3.
 Refrigeration device, Portable. B. Burns. 1,950,781; Mar. 13.
 Refrigeration evaporator. L. C. Smith. 1,970,106; Aug. 14.
 Refrigeration machine. R. L. Alexander and J. R. McCalm. 1,948,155; Feb. 20.
 Refrigeration mechanism. A. B. Haslach. 1,947,082; Feb. 13.
 Refrigeration, Method and apparatus for. W. J. Woods. 1,943,908; Jan. 16.
 Refrigeration, Method and apparatus of. R. K. Horner. 1,946,854; Feb. 13.
 Refrigeration process. E. B. Miller and G. C. Connolly. 1,961,890; June 5.
 Refrigeration process and adsorbents therefor. G. C. Connolly and E. B. Miller. 1,947,381; Feb. 13.
 Refrigeration, Process of and apparatus for. A. Schwarz. 1,951,447; Mar. 20.
 Refrigeration system. R. V. Grayson. 1,948,790; Feb. 27.
 Refrigeration system. G. E. Hulse. 1,943,317; Jan. 16.
 Refrigeration system. G. E. Hulse. 1,943,964; Jan. 16.
 Refrigeration system. G. E. Hulse. 1,943,968; Jan. 16.
 Refrigeration system. W. E. Zieber. 1,960,471; May 29.
 Refrigeration system, Absorption. G. F. Zellhoefer. 1,972,580; Sept. 4.
 Refrigeration system and apparatus. G. E. Hulse. 1,943,318; Jan. 16.

- Refrigeration system and apparatus. G. E. Hulse. 1,943,966; Jan. 16.
- Refrigeration system for vehicles. B. S. Foss. 1,985,636; Dec. 25.
- Refrigeration unit, Mechanical. F. J. Heideman. 1,979,617; Nov. 6.
- Refrigeration with solid carbon dioxide. F. Heywood. 1,941,744; Jan. 2.
- Refrigeration with solid carbon dioxide, Method of and apparatus for. W. L. Smith. 1,965,205; July 3.
- Refrigerative system, Automatically-controlled. T. W. Carraway. 1,984,053; Dec. 11.
- Refrigerator. H. B. Adams. 1,948,780; Feb. 27.
- Refrigerator. J. R. Alden. 1,975,823; Oct. 9.
- Refrigerator. E. L. Barnes. 1,983,652; Dec. 11.
- Refrigerator. F. Conrad and C. Aalborg. 1,982,375; Nov. 27.
- Refrigerator. L. A. Cowan, jr. 1,979,142; Oct. 30.
- Refrigerator. R. T. Frazier. 1,952,981; Mar. 27.
- Refrigerator. E. S. Gillette. 1,956,863; May 1.
- Refrigerator. M. J. Gouloze. 1,955,910; Apr. 24.
- Refrigerator. J. H. Hoffberger. 1,951,305; Mar. 13.
- Refrigerator. M. Hokanson. 1,956,070; Apr. 24.
- Refrigerator. M. Hokanson. 1,961,361; June 5.
- Refrigerator. H. Hopkes. 1,952,985; Mar. 27.
- Refrigerator. A. N. Hornung. 1,962,446; June 12.
- Refrigerator. T. J. Kavanaugh. 1,960,911; May 29.
- Refrigerator. I. Marinsky. 1,941,906; Jan. 2.
- Refrigerator. W. Mauthe. 1,958,832; May 15.
- Refrigerator. E. W. Mize. 1,984,977; Dec. 18.
- Refrigerator. J. E. W. Reeh. 1,942,307; Jan. 2.
- Refrigerator. D. Rein. 1,964,831; July 3.
- Refrigerator. F. T. Rodgers. 1,968,654; July 31.
- Refrigerator. H. Rufener and T. Eichmann. 1,971,429; Aug. 28.
- Refrigerator. D. E. Rutishauser. 1,959,646; May 22.
- Refrigerator. F. H. Ryder. 1,963,034; June 12.
- Refrigerator. J. M. and W. G. Schilling. 1,946,593; Feb. 13.
- Refrigerator. J. M. and W. G. Schilling. 1,970,947; Aug. 21.
- Refrigerator. F. J. Stollsteimer. 1,963,565; June 19.
- Refrigerator. H. F. Teichmann. 1,983,056; Dec. 4.
- Refrigerator. P. C. Warren. 1,943,646; Jan. 16.
- Refrigerator. G. A. Warren and W. B. Simpson, jr. 1,951,074; Mar. 13.
- Refrigerator. C. M. Weinheimer. 1,978,483; Oct. 30.
- Refrigerator. E. Worthington. Des. 92,638-9; June 26.
- Refrigerator, Absorption type. R. T. Smith. 1,967,271; July 24.
- Refrigerator and beverage dispenser, Combination. M. Alex. 1,943,279; Jan. 16.
- Refrigerator and ice-cream freezer, Combined. A. F. Sawyer. 1,948,681; Feb. 27.
- Refrigerator and means for circulating air therein. T. B. Gilliam. 1,957,772; May 8.
- Refrigerator attachment. W. C. Coulbourn. 1,973,797; Sept. 18.
- Refrigerator, Bottle dispensing. C. A. Frick. 1,970,226; Aug. 14.
- Refrigerator cabinet. L. W. Atchison. 1,973,518; Sept. 11.
- Refrigerator cabinet. T. G. Shelin and F. J. Fuchs. Des. 93,186; Aug. 28.
- Refrigerator cabinet. C. Wexelberg. Des. 93,314; Sept. 11.
- Refrigerator cabinet construction. G. F. Forsthoefel. 1,955,381; Apr. 17.
- Refrigerator cabinet with removable unit. J. C. Hafner. 1,957,955; May 8.
- Refrigerator case. R. E. Frederick. 1,950,447; Mar. 13.
- Refrigerator case. G. J. Hopkins. 1,961,495; June 5.
- Refrigerator case. G. J. Hopkins. 1,975,275; Oct. 2.
- Refrigerator case for green vegetables. C. B. Longstreth. 1,967,058; July 17.
- Refrigerator closure. W. G. and G. R. Seeger. 1,980,005; Nov. 6.
- Refrigerator closure, Auxiliary. P. O'Connell. 1,972,631; Sept. 4.
- Refrigerator construction. J. R. Replogle. 1,967,431; July 24.
- Refrigerator construction. F. E. Sellman. 1,949,663; Mar. 6.
- Refrigerator construction. R. T. Smith. 1,947,807; Feb. 20.
- Refrigerator construction. J. Teller and A. P. Schulz. 1,961,022; May 29.
- Refrigerator container. W. J. Madden. 1,980,070; Nov. 6.
- Refrigerator container. R. W. Marks. 1,960,747; May 29.
- Refrigerator container, Railway. L. M. Showers, jr., and I. M. Chambers. 1,949,381; Feb. 27.
- Refrigerator control. W. B. Anderson. 1,953,941; Apr. 10.
- Refrigerator control. A. O. Grooms. 1,969,304; Aug. 7.
- Refrigerator control. J. E. Grant and R. B. Davison. 1,984,639; Dec. 18.
- Refrigerator defroster. J. H. Toy. 1,951,456; Mar. 20.
- Refrigerator, Display. H. Boyer. 92,334; May 29.
- Refrigerator, Display. J. J. Weiss. Des. 92,122; Apr. 24.
- Refrigerator display case. L. A. Banta. 1,981,298; Nov. 20.
- Refrigerator display case. L. G. Gray. Des. 92,467; June 12.
- Refrigerator door release. P. S. McLean. 1,979,165; Oct. 30.
- Refrigerator, Electric. S. E. Ponticos. Des. 93,129; Aug. 21.
- Refrigerator element, Making a. A. J. Scholl. 1,955,837; Apr. 24.
- Refrigerator for frozen foods. C. H. Herter. 1,945,687; Feb. 6.
- Refrigerator frame. R. E. Gray. 1,971,002; Aug. 21.
- Refrigerator ice door construction. C. J. Gibson. 1,978,708; Oct. 30.
- Refrigerator leg. L. S. Woodhull. 1,950,710; Mar. 13.
- Refrigerator, Mechanical. A. W. Weems. 1,954,304; Apr. 10.
- Refrigerator or the like, Bottle dispensing. C. A. Frick. Des. 91,390-1; Jan. 23.
- Refrigerator plant and process. A. Schwarz. 1,954,543; Apr. 10.
- Refrigerator plant and process, Multiple quick acting. A. Schwarz. 1,951,448; Mar. 20.
- Refrigerator pump. V. Gideon. 1,951,607; Mar. 20.
- Refrigerator, Solidified gas. S. T. Sherrick. 1,975,177; Oct. 2.
- Refrigerator structure. R. John. 1,944,126; Jan. 16.
- Refrigerator temperature control. E. C. Raney. 1,969,326; Aug. 7.
- Refrigerator, Traveling. I. J. Clark. 1,966,164; July 10.
- Refrigerator truck body. J. A. Weiland. 1,948,954; Feb. 27.
- Refrigerator truck cooling apparatus. W. Ryan, jr. 1,974,726; Sept. 25.
- Refrigerator vehicle body. W. B. Smith. 1,980,446; Nov. 13.
- Refueling equipment. B. H. Shinn. 1,969,430; Aug. 7.
- Refuse burning furnace. M. A. Hoff and W. M. Squires. 1,984,344; Dec. 11.
- Refuse collector. A. R. von Keller. 1,964,394; June 26.
- Refuse destructor furnace. S. Symington. 1,944,816; Jan. 23.
- Refuse matter, Process and furnace for disposing of. J. E. Greenawalt. 1,982,803; Dec. 4.
- Regeneration control for vacuum tube circuits, Automatic. D. W. Norwood. 1,946,499; Feb. 13.
- Regenerative furnace. S. A. Forter. 1,978,191; Oct. 23.
- Regenerative repeater. E. W. Reeve. 1,967,368; July 24.
- Regenerator. N. F. Egler. 1,973,143; Sept. 11.
- Regenerator construction. H. Etherington. 1,941,976; Jan. 2.
- Regenerator unit. R. M. Hicks and C. J. Dorr. 1,965,377; July 3.
- Register. L. R. Brown. 1,974,529; Sept. 25.
- Register. G. C. Chaze. 1,964,314; June 26.
- Register. C. S. Hazard. 1,964,352; June 26.
- Register. L. E. Heasley. 1,979,543; Nov. 6.
- Register. F. W. Kulicke. 1,968,560; July 31.
- Register. R. B. Long. 1,960,948; May 29.
- Register. W. L. Marden. 1,970,526; Aug. 14.
- Register, Air controlled wall. H. W. Symonds. 1,961,948; June 5.
- Register and grille. J. A. Germonprez. 1,945,972; Feb. 6.
- Register, Autographic. L. Jensen. Des. 92,470-1; June 12.
- Register, Autographic. L. Jensen. 1,959,080; May 15.
- Register, Autographic. L. Jensen. 1,964,323; June 26.
- Register, Autographic. F. E. Pfeiffer. 1,919,208; June 12.
- Register, Autographic. B. A. Schroeder. 1,964,677; June 26.
- Register for a game apparatus. H. G. Breitenstein. Des. 92,449; June 12.
- Register for liquids. E. G. Whitlock. 1,954,906; Apr. 17.
- Register or grate cover holder. W. Froelich. 1,975,686; Oct. 2.
- Register, Portable. M. C. Stern and F. E. Pfeiffer. 1,957,034; May 1.
- Register, Ticket issuing. P. Horn. 1,949,744; Mar. 6.
- Registering and stopping device, Automatic. J. Nelson. 1,977,773; Oct. 23.
- Registering device. R. Fritsche. 1,956,917; May 1.
- Registering device. H. H. Kempf. 1,956,152; Apr. 24.
- Registering device. M. W. and J. F. Wright. 1,970,873; Aug. 21.
- Registering device for duplicating machines. E. Jacobson. 1,951,757; Mar. 20.
- Registering device, Rotary. J. C. Thompson. 1,942,621; Jan. 9.
- Registering fluid meter. H. G. Weymouth. 1,947,367; Feb. 13.
- Registering machine casing. S. S. Frazier. Des. 93,463; Oct. 2.
- Registering mechanism. W. M. Carroll. 1,955,904; Apr. 24.
- Re-grooving spindle whorls. W. C. Stewart. 1,968,721; July 31.
- Regulating apparatus. L. V. Andrews and C. M. Terry. 1,952,648; Mar. 27.
- Regulating device for an automatic automobile clutch. H. Jander. 1,972,446; Sept. 4.
- Regulating device for dampers for elastic vehicle suspensions. H. Pieper. 1,982,398; Nov. 27.
- Regulating device using copper oxide rectifiers. B. E. O'Hagan. 1,961,940; June 5.
- Regulating device using copper oxide rectifiers. B. E. O'Hagan. 1,966,558; July 17.
- Regulating device using copper oxide rectifiers. B. E. O'Hagan. 1,980,142; Nov. 6.
- Regulating means for the water level of flush boxes. J. M. Dean. 1,972,331; Sept. 4.

- Regulating mechanism. B. J. Caughey. 1,961,813; June 5.
 Regulating mechanism. C. S. Cody. 1,966,849; July 17.
 Regulating mechanism for prime movers. R. G. Standerwick. 1,966,225; July 10.
 Regulating system. J. C. Albright. 1,983,429; Dec. 4.
 Regulating system. J. H. Ashbaugh and A. C. Monteith. 1,966,232; July 10.
 Regulating system. R. C. Bergvall. 1,971,808; Aug. 28.
 Regulating system. R. D. Evans. 1,948,749; Feb. 27.
 Regulating system. R. D. Evans and H. C. Nycum. 1,948,750; Feb. 27.
 Regulating system. A. S. Fitz Gerald. 1,948,372; Feb. 20.
 Regulating system. W. K. Fleming. 1,985,634-5; Dec. 25.
 Regulating system. C. L. Fortescue. 1,953,106; Apr. 3.
 Regulating system. G. W. Garman. 1,947,197; Feb. 13.
 Regulating system. F. H. Gulliksen. 1,976,611; Oct. 9.
 Regulating system. F. H. Gulliksen. 1,981,040; Nov. 20.
 Regulating system. A. P. Hayward. 1,977,385; Oct. 16.
 Regulating system. A. P. Hayward and T. E. Purcell. 1,984,187; Dec. 11.
 Regulating system. C. Johnson. 1,962,678; June 12.
 Regulating system. C. C. Levy and R. De Camp. 1,959,298; May 15.
 Regulating system. L. R. Quarles. 1,944,756; Jan. 23.
 Regulating system. S. A. Staeger. 1,968,575; July 31.
 Regulating system. L. L. B. Summers. 1,942,457; Jan. 9.
 Regulating system. C. F. Wagner. 1,953,141; Apr. 3.
 Regulation, System and apparatus for. F. W. Godsey, jr. 1,943,524; Jan. 16.
 Regulation, System and apparatus for. L. H. Von Ohlsen and F. W. Godsey, jr. 1,943,463-4; Jan. 16.
 Regulating tool. F. U. Allen. 1,973,940; Sept. 18.
 Regulating valve. T. B. Ford. 1,984,792; Dec. 18.
 Regulation of the length of time of exposure in making photographic pictures, Arrangement for the automatic. E. Kiszdorfer. 1,974,433; Sept. 25.
Regulator: See—
Air volume regulator.
 Automatic electric regulator.
 Automatic flow regulator.
 Automatic fuel regulator.
 Automatic generator regulator.
 Automatic voltage regulator.
 Boiler feed water regulator.
 Chimney draft regulator.
 Choke regulator.
 Comfort temperature regulator.
 Diaphragm pressure regulator.
 Draft and heat regulator.
 Draft regulator.
 Dual temperature regulator.
 Excess pressure regulator.
 Feed water regulator.
 Fluid pressure regulator.
 Fuel regulator.
 Furnace heat regulator.
 Furnace regulator.
 Gas pressure regulator.
 Gas regulator.
 Gas service regulator.
 Gas tank pressure regulator.
 Generator regulator.
 Generator voltage regulator.
 Heat regulator.
 Humidity regulator.
 Regulator. K. H. Hubbard. 1,985,829; Dec. 25.
 Regulator. C. J. Lehn. 1,973,769; Sept. 18.
 Regulator. G. W. McKee. 1,950,120; Mar. 6.
 Regulator. R. H. Park. 1,967,899; July 24.
 Regulator and cut-out relay for dynamos. J. Bohl. 1,984,820; Dec. 18.
 Regulator and release valve. W. T. Birch. 1,946,188; Feb. 6.
 Regulator and relief valve. W. T. Birch. 1,956,787; May 1.
 Regulator for brake rigging. W. H. Sauvage. 1,964,333; June 26.
 Regulator for brake rigging. W. H. Sauvage. 1,983,193; Dec. 4.
 Regulator for electric circuits. J. G. Jackson. 1,966,297; July 10.
 Regulator for fluid compressors. W. Raymond. 1,978,387; Oct. 23.
 Regulator for fluid pressure apparatus, Pressure. A. Neven. 1,980,349; Nov. 13.
 Regulator for heaters, Thermally actuated. O. J. Kuenbold. 1,966,098; July 10.
 Regulator for hot water heating systems. W. W. Carson, jr. 1,961,550; June 5.
 Regulator for hydraulic cylinders. G. Cuttat. 1,964,196; June 26.
 Regulator for milking machines. S. A. Eskilson and G. K. V. Johanson. 1,980,752; Nov. 13.
 Regulator for molding machines. R. J. Anderson. 1,975,528-9; Oct. 2.
 Regulator for oil burners. G. W. Whitehurst. 1,983,112; Dec. 4.
 Regulator for refrigerative systems. T. W. Carraway. 1,984,054; Dec. 11.
 Regulator for refrigerative systems. J. Roland. 1,961,597; June 5.
 Regulator for refrigerative systems. L. Schwitzer. 1,984,321; Dec. 11.
 Regulator for vacuum discharge tubes, Automatic pressure. M. N. States. 1,975,561; Oct. 2.
 Regulator for windows and the like. B. S. Floraday. 1,954,240; Apr. 10.
 Regulator system. T. B. Montgomery. 1,944,189; Jan. 23.
 Regulator system. E. R. Morton. 1,974,082; Sept. 18.
 Regulator valve. C. S. Brown. 1,969,964; Aug. 14.
 Reinforcements for pin connected bridge trusses. A. G. Leake. 1,967,828; July 24.
 Relative speed indicator. A. Broadmeyer. 1,949,239; Feb. 27.
 Relay. F. G. Beetem. 1,961,198; May 22.
 Relay. W. C. Broekhuysen. 1,947,641; Feb. 20.
 Relay. O. S. Field. 1,942,142; Jan. 2.
 Relay. O. S. Field. 1,969,064-5; Aug. 7.
 Relay. A. B. Guerrieri. 1,966,549; July 17.
 Relay. U. C. Hedin. 1,967,948; July 24.
 Relay. M. H. Hovey. 1,964,355; June 26.
 Relay. D. D. Knowles. 1,973,286; Sept. 11.
 Relay. C. H. Larson. 1,967,942; July 24.
 Relay. C. H. Larson. 1,967,943-5; July 24.
 Relay. T. Røyman. 1,953,713; May 15.
 Relay. O. Thompson. 1,944,957; Jan. 30.
 Relay. J. E. Willing. 1,969,055; Aug. 7.
 Relay apparatus. L. N. Crichton. 1,955,324; Apr. 17.
 Relay apparatus for use in electric supply system. R. C. Graseby. 1,951,866; Mar. 20.
 Relay apparatus, Sectionalizing. W. L. Garlington. 1,982,986; Dec. 4.
 Relay control system. W. H. Gille. 1,968,385; July 31.
 Relay coupler switch. W. H. Reinsner. 1,954,758; Apr. 10.
 Relay cover. A. A. Hansen. 1,950,552; Mar. 13.
 Relay, Electric. W. D. Cockrell and P. Juchter. 1,964,454; June 26.
 Relay, Electric. W. F. Cotter and M. E. Bond. 1,980,038; Nov. 6.
 Relay, Electric. L. F. Curtis. 1,979,317; Nov. 6.
 Relay, Electromagnetic. G. C. Cummings. 1,964,505; June 26.
 Relay, Electro-polarized. C. J. Dorr and H. F. May. 1,951,327; Mar. 13.
 Relay, Latched-in contactor. R. Westerfelhaus. 1,980,458; Nov. 13.
 Relay, Modified impedance-reactance. W. A. Lewis. 1,967,093; July 17.
 Relay, Motor-operated. C. Wilhjelm. 1,941,920-1; Jan. 2.
 Relay, Multiunit. J. N. Reynolds. 1,958,640; May 15.
 Relay-operation indicator. J. S. Parsons. 1,966,215; July 10.
 Relay, Overload. G. O. Wilms. 1,919,062; Jan. 23.
 Relay, Photo-electric. W. D. Cockrell. 1,983,345; Dec. 4.
 Relay, Protective. R. D. Evans. 1,963,193; June 19.
 Relay system. A. H. Lamb. 1,949,689; Mar. 6.
 Relay system. R. M. Wise. 1,949,507; Mar. 6.
 Relay system, Protective. L. N. Crichton and H. C. Graves, jr. 1,967,200; July 17.
 Relay, Thermal. G. E. Oakley. 1,969,319; Aug. 7.
 Relay, Variable characteristic. S. L. Goldsborough. 1,973,060; Sept. 11.
 Relaying system, Simultaneously tripping. R. C. Bergvall. 1,967,110; July 17.
 Release for emergency brakes, Automatic. R. P. Santos. 1,945,083; Jan. 30.
 Release mechanism for highway barriers, Automatic. P. C. Butte. 1,952,234; Mar. 27.
 Release valve. S. E. Allen and O. N. Wiswell. 1,984,510; Dec. 18.
 Release valve for air brakes. A. E. Baum. 1,969,348; Aug. 7.
 Releasing and holding means for car hand brakes. R. W. Burnett. 1,963,115; June 19.
 Releasing or nonreleasing clamp. J. M. Jester. 1,963,848; June 19.
 Relief device. E. E. Greve. 1,959,822; May 22.
 Relief device for power units of pneumatic ironing machines. N. L. Etten. 1,952,916; Mar. 27.
 Relief images, Making wash-off. M. W. Seymour. 1,946,640; Feb. 13.
 Relief valve. O. A. Bailey. 1,973,698; Sept. 18.
 Relief valve. W. T. Birch. 1,956,821; May 1.
 Relief valve. L. E. Brown. 1,973,744; Sept. 18.
 Relief valve. K. S. M. Davidson. 1,951,926; Mar. 20.
 Relief valve. J. K. Douglas. 1,970,131; Aug. 14.
 Relief valve. L. D. Lovekin. 1,960,272; May 29.
 Relief valve. L. D. Lovekin. 1,983,514; Dec. 4.
 Relief valve. M. Manning. 1,966,675; July 17.
 Relief valve. J. A. Spencer. 1,972,171; Sept. 4.
 Relief valve, Temperature and pressure. L. D. Lovekin. 1,960,271; May 29.
 Remedy for combating diseases of plants and in a process for applying same. G. Truffaut and I. Pastak. 1,947,320; Feb. 13.
 Remote control and keying system for radio transmitters. E. A. Goodwin. 1,981,861; Nov. 27.

- Remote control and safety appliance for gas burners. J. B. Williams. 1,982,562; Nov. 27.
- Remote control apparatus. C. W. Bell. 1,946,187; Feb. 6.
- Remote control apparatus. F. P. Bercot. 1,945,511; Feb. 6.
- Remote control apparatus. R. G. Thompson. 1,945,837; Feb. 6.
- Remote control device. I. Ball. 1,980,172; Nov. 13.
- Remote control device. L. W. Chubb. 1,971,130; Aug. 21.
- Remote control device. J. R. Haviland. 1,950,143; Mar. 6.
- Remote control device. M. A. Sertillange. 1,975,023; Sept. 25.
- Remote control device. W. Shakespeare, jr. 1,947,536; Feb. 20.
- Remote control device for commercial phonographs. J. E. Renholdt. 1,974,055; Sept. 18.
- Remote control device for electric motors. R. Trubert. 1,945,454; Jan. 30.
- Remote control for movable members of machine tools. K. F. Gallimore. 1,942,092; Jan. 2.
- Remote control for vacuum heating systems. F. S. Fillo. 1,978,705; Oct. 30.
- Remote control indicator system. K. Wilde. Re19,039; Jan. 2.
- Remote control of motors. C. C. Lane. 1,962,354; June 12.
- Remote control of radio or wired radio receiver. C. E. Bohner. 1,972,471; Sept. 4.
- Remote control plant. L. Brandenburger. 1,983,339; Dec. 4.
- Remote control switch, High amperage. A. G. Steinmayer. 1,973,121; Sept. 11.
- Remote control system. W. W. Ashworth. 1,985,007; Dec. 18.
- Remote control system. P. H. Crago. 1,974,446; Sept. 25.
- Remote control system. H. N. Dixon. 1,975,653; Oct. 2.
- Remote control system. F. S. Kinkead. 1,979,112; Oct. 30.
- Remote control system. D. B. Perry. 1,983,637; Dec. 11.
- Remote control system. F. W. Schramm. 1,941,627; Jan. 2.
- Remote control system. R. E. Thompson. 1,968,973; Aug. 7.
- Remote control system. R. E. Thompson. 1,977,745; Oct. 23.
- Remote control system. B. A. Wittkuhns. 1,976,648; Oct. 9.
- Remote control system and automatic pilot, Sensitive. F. S. Hodgman. 1,965,378; July 3.
- Remote control system for radio receiving apparatus and the like. C. R. Garrett. 1,956,419; Apr. 24.
- Remote control, System of. L. A. Hudson. 1,944,326; Jan. 23.
- Remote controlled device for inserting and extracting primers for large bore guns. N. E. Methlin. 1,985,185; Dec. 18.
- Remote controlling apparatus. C. W. Bell. 1,946,186; Feb. 6.
- Remote indicating system. A. J. Johnston. 1,967,887; July 24.
- Remote indicating system. G. Meiners. 1,979,114; Oct. 30.
- Remote indication apparatus. P. H. Crago. 1,969,359; Aug. 7.
- Remote indicator or regulator. C. H. Smoot. 1,954,850; Apr. 17.
- Remote-metering system. B. E. Lenehan. 1,953,114; Apr. 3.
- Remote revolution indicating and recording apparatus. W. Möller and H. Lorenz. 1,980,926; Nov. 13.
- Remote temperature indicator. C. A. de Giers. 1,943,267; Jan. 9.
- Removable core lock. T. Bargman. 1,947,443; Feb. 20.
- Rendering machine. C. Offenhauser. 1,973,928; Sept. 18.
- Rendering, Process of. T. K. Lowry. 1,966,181; July 10.
- Renewable fuse plug. J. W. Hooley. 1,949,305; Feb. 27.
- Renewable rotary bit. J. B. De Costa. 1,961,819; June 5.
- Renewable spark plug. I. J. Tetlow. 1,982,034; Nov. 27.
- Renovating machine for building facades. M. Bitterbaum. 1,947,286; Feb. 13.
- Repeat motion, Mechanism for radio-operated. C. B. Mirick. 1,941,615; Jan. 2.
- Repeater for rolling mills. W. U. Boedeker and W. G. Seidlitz. 1,977,666; Oct. 23.
- Replaceable tube holder. W. M. Perry. 1,982,319; Nov. 27.
- Replacement structure for safes or depositories. C. J. Bates and F. J. Bremer. 1,959,192; May 15.
- Report-recording and timing apparatus, Telautographic. A. N. Van Nostrand. 1,964,393; June 26.
- Repository for refuse cans. G. Fornl. 1,949,301; Feb. 27.
- Representation in print of spoken sounds. R. Tiefenbacher. 1,951,454; Mar. 20.
- Reproducer. D. F. Newman and R. E. Hantzsch. 1,955,682; Apr. 17.
- Reproducing apparatus. A. Krebs. 1,956,581; May 1.
- Reproducing arm. C. E. Patino. 1,963,673; June 19.
- Reproducing arts, Working in the. H. Karl. 1,951,574; Mar. 20.
- Reproducing device. J. H. Smoot. 1,945,710; Feb. 6.
- Reproducing on photographic strip material. C. M. Tuttle and W. C. Henry. 1,957,864; May 8.
- Reproduction of sounds and pictures, Simultaneous. B. E. G. Mittell. 1,953,538; Apr. 3.
- Reproduction printing machine of the vacuum type. M. Annick. Des. 91,977; Apr. 17.
- Reserve supply for gasoline tanks and the like. T. A. Mellon. 1,979,203; Oct. 30.
- Reserves under aniline black, Producing white and colored. R. Haller. 1,952,247; Mar. 27.
- Reservoir for mercury instruments. H. J. Lawrence. 1,983,297; Dec. 4.
- Reservoir for the supply of liquids. L. B. Kimball. 1,974,073; Sept. 18.
- Reservoir ink well. J. C. Gilbert. 1,946,969; Feb. 13.
- Reservoir, Water. H. E. Blood. 1,950,133; Mar. 6.
- Reservoir, Welded. T. Hansen. 1,966,244; July 10.
- Reservoir with fabric bag, Pressure. W. A. Del Mar. 1,944,005; Jan. 16.
- Reservoirs to fluid filled cables, Connecting. C. A. Piercy. 1,970,393; Aug. 14.
- Resetting apparatus for dispensing indicators, Automatic. J. M. Dayton. 1,947,383; Feb. 13.
- Residue of hydrocarbon oil distillation, Treating. C. J. Pratt. 1,946,947; Feb. 13.
- Residues, Treating heavy. G. A. Beiswenger. 1,978,361; Oct. 23.
- Residuum from cracking operation by distillation, Reduction of. L. C. Huff. 1,965,189; July 3.
- Residuum, Handling. J. Cutter. 1,983,659; Dec. 11.
- Resilient block. F. M. Guy. 1,978,940; Oct. 30.
- Resilient body. L. D. Mahan. 1,959,104; May 15.
- Resilient motor support. C. Saurer. 1,959,969; May 22.
- Resilient shaft coupling. G. E. Brofelth. 1,952,970; Mar. 27.
- Resilient tool joint. M. T. Archer. 1,960,688; May 29.
- Resilient wheel. J. K. Babes. 1,965,484; July 3.
- Resilient wheel. L. W. Blackwood. 1,942,018; Jan. 2.
- Resiliently articulated joint. L. X. Antelme. 1,975,676; Oct. 2.
- Resin-acid compositions substituted in the carboxylic group, Production of. E. Fonrobert and F. Lemmer. 1,952,367; Mar. 27.
- Resin-acid condensation products, Production of. E. Fonrobert and A. Greth. 1,948,573; Feb. 27.
- Resin, Alkyd. F. Zwilgmeyer. 1,975,246; Oct. 2.
- Resin and balsam prepared with the aid of an inorganic body and making same. C. Ellis. 1,970,510; Aug. 14.
- Resin and coating or plastic composition containing the same. W. H. Moss. 1,958,488; May 15.
- Resin and coating or plastic compositions containing the same. W. H. Moss. 1,954,826; Apr. 17.
- Resin and composition containing it, Synthetic. G. D. Patterson and R. A. Shive. 1,984,153; Dec. 11.
- Resin and composition containing the same, Synthetic. C. Dreyfus and G. Schneider. 1,960,262; May 29.
- Resin and its production, Synthetic. M. R. Bhagwat. 1,948,465; Feb. 20.
- Resin and making same, Colorless synthetic. O. A. Cherry. 1,983,658; Dec. 11.
- Resin and making same, Synthetic. F. A. Apgar and A. Runyan. 1,945,719; Feb. 6.
- Resin and making same, Synthetic. H. H. Hopkins and F. A. McDermott. 1,974,742; Sept. 25.
- Resin and making same, Xylenitic. C. Ellis. 1,980,987; Nov. 20.
- Resin and making the same. P. F. Schlingman. 1,982,486; Nov. 27.
- Resin and making the same, Urea-aldehyde plasticized. E. E. Novotny and W. W. Johnson. 1,951,526; Mar. 20.
- Resin and metal, Uniting synthetic. E. C. Loetscher. 1,972,307; Sept. 4.
- Resin and method of producing, Synthetic. E. G. Peterson. 1,978,598; Oct. 30.
- Resin and resin forming compound. R. Hill. 1,980,483; Nov. 13.
- Resin, Artificial. A. J. Norton and L. Sontag. 1,985,870; Dec. 25.
- Resin bonded wheel. F. A. Upper. 1,950,641; Mar. 13.
- Resin emulsions, Making free. J. A. De Cew. 1,958,470; May 15.
- Resin finish, Wrinkle. F. B. Root. 1,976,191; Oct. 9.
- Resin from petroleum hydrocarbons. C. A. Thomas and W. H. Carmody. 1,982,708; Dec. 4.
- Resin, gum, and balsam and making same. C. Ellis. 1,952,060; Mar. 27.
- Resin, Hardened. E. Asser. 1,969,292; Aug. 7.
- Resinlike mass and making same. W. O. Herrmann and W. Haehnel. 1,976,224; Oct. 9.
- Resin, Manufacture of odorless phenol-formaldehyde. E. S. Edwards. 1,970,649; Aug. 21.
- Resin, Oil-soluble. K. M. Irey. 1,948,469; Feb. 20.
- Resin, Oil-soluble. K. M. Irey. 1,970,912; Aug. 21.
- Resin, Prepared. C. A. Thomas. 1,947,626; Feb. 20.
- Resin, Prepared. C. A. Thomas. 1,982,707; Dec. 4.
- Resin, Process and apparatus for cooling and granulating. S. P. Miller. 1,942,764; Jan. 9.
- Resin, Producing synthetic. F. S. Granger. 1,946,459; Feb. 6.
- Resin solution and preparing same. J. H. Schmidt and R. S. Daniels. 1,944,867; Jan. 23.
- Resin solutions, Preparing. E. Elbel and F. Seebach. 1,968,074; July 31.
- Resin, Synthetic. O. A. Cherry. 1,982,788; Dec. 4.
- Resin, Synthetic. J. W. Iliff and P. Robinson. 1,972,521; Sept. 4.
- Resinoid, Moldable. G. S. Weith. 1,975,884; Oct. 9.
- Resinous and balsamic complexes. C. Ellis. 1,967,232; July 24.

- Resinous coating composition. J. W. Iliff and H. R. Young. 1,942,757; Jan. 9.
- Resinous complexes and producing same. T. F. Bradley. 1,952,412; Mar. 27.
- Resinous composition. W. W. Durant and P. H. Scrutfield. 1,975,569; Oct. 2.
- Resinous composition. M. M. Safford. 1,975,750; Oct. 2.
- Resinous composition, Alkyd. F. Zwilmeyer. 1,950,468; Mar. 13.
- Resinous composition and applying same. T. F. Bradley. 1,953,583; Apr. 3.
- Resinous composition and forming the same. A. S. Ford. 1,949,831-2; Mar. 6.
- Resinous composition and forming the same. A. S. Ford. 1,974,064; Sept. 18.
- Resinous composition from phenol and acetaldehyde and making same. C. Ellis. 1,974,605; Sept. 25.
- Resinous compounds, Hydrogenating. R. J. Byrkit, jr. 1,973,865; Sept. 18.
- Resinous condensation products of aldehydes with phenol and urea, Manufacture of. J. W. Crump. 1,973,050; Sept. 11.
- Resinous condensation products, Producing marble-like or cloudy and opaque effects in. K. Loos. 1,960,116; May 22.
- Resinous product and making same. T. F. Bradley. 1,956,559; May 1.
- Resinous product and making same. J. V. Meigs. 1,975,471; Oct. 2.
- Resinous products or composition including lacquers, paints, varnishes, and other coating compositions. C. Ellis. 1,958,614; May 15.
- Resins and making the same, Diene. A. Heck. 1,947,416; Feb. 13.
- Resins and preparing the same, Oil-soluble synthetic. G. Kränzlein and A. Boss. 1,952,676; Mar. 27.
- Resins, Dehydration of synthetic. A. W. Luedeke. 1,985,453; Dec. 25.
- Resins for lacquers, varnishes, and the like, Manufacture of. N. Strafford and E. E. Walker. 1,977,652; Oct. 23.
- Resins, Modification of the physical properties of. L. Auer. 1,980,367; Nov. 13.
- Resins of petroleum origin, Producing. S. C. Fulton. 1,981,824; Nov. 20.
- Resins of the phenol formaldehyde group, Water-soluble. E. C. Loetscher. 1,959,433; May 22.
- Resins, Production of. E. L. Cline. 1,942,201; Jan. 2.
- Resistance body. H. Hein. 1,960,846; May 29.
- Resistance device. J. J. Mucher. 1,976,624; Oct. 9.
- Resistance device. A. L. Pugh, jr. 1,970,149; Aug. 14.
- Resistance device. S. Ruben. 1,950,750; Mar. 13.
- Resistance device. S. Ruben. 1,971,053; Aug. 21.
- Resistance element for rail heaters. W. H. Greenfield. 1,980,582; Nov. 13.
- Resistance testing machine. W. S. Hayford. 1,951,908; Mar. 20.
- Resistance to corrosion of articles made of magnesium-manganese-alloys, Improving the. H. Bothmann. 1,961,330; June 5.
- Resistance unit. H. A. Greenwald. 1,957,828-9; May 8.
- Resistance unit. J. J. Mucher. 1,982,475; Nov. 27.
- Resistance unit. E. J. Wiggins. 1,957,188; May 1.
- Resistance unit, Grounded. J. L. McWeeny. 1,970,051; Aug. 14.
- Resistance welding machine. G. E. Mirfield and C. Firth. 1,954,679; Apr. 10.
- Resistor. G. R. Fryling. 1,959,285; May 15.
- Resistor. F. Gahn. 1,984,925; Dec. 18.
- Resistor. L. L. Jones. 1,944,558; Jan. 23.
- Resistor. A. L. Pugh, jr. 1,976,514; Oct. 9.
- Resistor. A. L. Pugh, jr. 1,985,691; Dec. 25.
- Resistor and making same. R. D. McDill. 1,963,554; June 19.
- Resistor, Combination. J. L. McWeeny. 1,950,508; Mar. 13.
- Resistor, Cross-shot woven. R. E. Tarpley and L. Behr. 1,972,720; Sept. 4.
- Resistor, Low gradient. E. G. Lodge. 1,948,354; Feb. 20.
- Resistor molding apparatus. H. L. Sklar. 1,973,117; Sept. 11.
- Resistor unit and forming the same, Fixed. L. E. Power. 1,978,323; Oct. 23.
- Resistor units, Forming. L. Bradley. 1,976,918; Oct. 16.
- Resistor, Variable. J. A. Flanzler, L. L. Jones, and E. Reisman. 1,959,097; May 15.
- Resistor, Woven. R. E. Tarpley. 1,972,499; Sept. 4.
- Resistors, Making noninductive. J. L. McWeeny. 1,950,507; Mar. 13.
- Resistors, Manufacture of. J. A. Flanzler and L. L. Jones. 1,962,438; June 12.
- Resitols and resites into oil-soluble products, Conversion of. F. Seebach. 1,971,507; Aug. 28.
- Resonance in a crystal resonator, Means to indicate. W. Runge. 1,941,581; Jan. 2.
- Resonator, Variably tuned piezo-electric. M. Osnos. 1,984,424; Dec. 18.
- Resorcinol, Flaked. I. Gubelman. 1,979,971; Nov. 6.
- Resorcinol, Recovering. C. H. Gallay. 1,956,570; May 1.
- Respirator. N. Schwartz. 1,946,334; Feb. 6.
- Respirator, Hot air. J. E. Bjurstrom. 1,982,412; Nov. 27.
- Rest, Convertible. E. S. and A. P. Steigerwald. 1,985,807; Dec. 25.
- Restraining device. F. A. Millett and S. A. Pace. 1,969,814; Aug. 7.
- Restraining device. W. Smith. 1,956,478; Apr. 24.
- Restrictor. I. Emanuel. 1,947,929; Feb. 20.
- Resynchronizing system for master and secondary controllers. C. H. Bissell. 1,946,436; Feb. 6.
- Retainer for basket covers. W. E. Morgan. 1,983,479; Dec. 4.
- Retainer for tools and the like. C. A. Hultquist. 1,969,798; Aug. 14.
- Retainer, Tool. G. C. Pearson. 1,969,150; Aug. 7.
- Retaining device. C. G. Smith. 1,976,638; Oct. 9.
- Retaining device for artificial dentures. W. F. Richards. 1,970,474; Aug. 14.
- Retaining device for flush tank covers. M. Edelman. 1,984,403; Dec. 18.
- Retard device for delaying the action of rate of rise pneumatic systems. E. A. Lowe. 1,973,535; Sept. 11.
- Retinoscope or like instrument for ascertaining objectively the refraction of eyes. C. R. Crofton. 1,944,406; Jan. 23.
- Retort. H. M. Robertson. 1,968,775; July 31.
- Retort. D. D. Shelton. 1,950,066; Mar. 6.
- Retort, Air-cooled. H. E. Preston. 1,965,318; July 3.
- Retort, Coking. A. W. Warner. 1,985,804; Dec. 25.
- Retort for use in the low temperature distillation of carbonaceous material. R. Addy, S. Gill, and C. W. Tozer. 1,980,245; Nov. 13.
- Retort, Fractional. J. A. McKinnon. 1,957,347; May 1.
- Retort gas plants, Operating. S. P. Miller. 1,959,289; May 15.
- Retort oven. J. Mage. 1,968,896; Aug. 7.
- Retort, Rotary. C. B. Wisner. 1,967,762; July 24.
- Retractable landing gear. S. H. Capelis. 1,956,313; Apr. 24.
- Retractable landing gear. H. C. Downey. 1,981,856; Nov. 27.
- Retractable landing light. L. F. Lemm. 1,985,611; Dec. 25.
- Retractor. P. Morin. 1,963,173; June 19.
- Retreader. L. O. Grange. 1,980,134; Nov. 6.
- Return bend. R. Burke. 1,984,353; Dec. 18.
- Return bend. J. E. Getzen. 1,962,189; June 12.
- Return bend. A. H. Moorhead. 1,981,061; Nov. 20.
- Return bend for cracking coils in oil stills. F. C. Fantz. 1,962,863; June 12.
- Return bend for cracking stills. C. E. Ard. 1,958,906; May 15.
- Return bend joint. H. E. Muchnic. 1,985,544; Dec. 25.
- Return bends, Making. C. A. Brandt. 1,957,524; May 8.
- Return elbow. Equalizing nonreflux. E. L. Weber. 1,978,730; Oct. 30.
- Return paste meter, Automatic. H. A. Schell. 1,949,661; Mar. 6.
- Returnable shipping container. R. C. Bender. 1,970,413; Aug. 14.
- Reverse brake. C. A. Matson. 1,977,588; Oct. 16.
- Reverse flow meter. M. M. Borden. 1,975,711; Oct. 2.
- Reverse motion preventer. A. W. Talbot. 1,963,596; June 19.
- Reverse safety lock. T. R. Engberg. 1,972,983; Sept. 11.
- Reversible impulse coupling. L. S. Dunham and A. F. Robertson. 1,947,126; Feb. 13.
- Reversible induction motor. E. Blamberg. 1,970,162; Aug. 14.
- Reversible liquid pump. M. F. Hill. 1,970,146; Aug. 14.
- Reversible motor. C. J. Gardeen. 1,972,987; Sept. 11.
- Reversible reactance clutch. A. Y. Dodge. 1,953,123; Dec. 4.
- Reversible split phase motor. A. F. Welch. 1,954,657; Apr. 10.
- Reversing mechanism. C. V. Koons. 1,983,137; Dec. 4.
- Reversing mechanism. A. Matthews. 1,971,865; Aug. 28.
- Reversing mechanism. W. C. Ware. 1,955,662; Apr. 17.
- Reversing mechanism. W. C. Ware and C. J. Robertson. 1,942,318; Jan. 2.
- Reversing mechanism for driving shafts. F. H. Owens. 1,950,692; Mar. 13.
- Reversing switch. W. B. Turner. 1,956,430; Apr. 24.
- Revetment and method and apparatus for forming the same. M. M. Upson. 1,956,967; May 1.
- Revetment, breakwater, pier, dock, and the like. W. Sykes and F. V. Carroll. 1,950,070; Mar. 6.
- Revolver. O. W. and D. M. Frederick. 1,965,637; July 10.
- Revolver cartridge clip. J. R. Pfaume. 1,964,171; June 26.
- Revolver loader, Rapid. T. A. Milmore. 1,969,817; Aug. 14.
- Revolving device for pilger mills. H. Heetkamp. 1,982,472; Nov. 27.
- Revolving sign. E. L. Brautigam, J. C. De Walt, and E. O. Misamore. 1,956,190; Apr. 24.
- Revolving test plug. T. L. Cole and A. J. Kinsella. 1,984,864; Dec. 18.
- Revolving apparatus. J. P. Vaniten. 1,960,605; May 29.
- Rewinding machine. C. A. Dickhaut. 1,968,636; July 31.
- Rewinding machine, Automatic. R. H. Schultz, A. J. Siebert and L. C. Borloz. 1,966,525; July 17.
- Rheostat. G. B. Crouse. 1,955,906; Apr. 24.
- Rheostat. H. A. Footthorap. 1,950,341; Mar. 6.
- Rheostat. S. Leveen. 1,952,679; Mar. 27.
- Rheostat. G. J. Meuer. 1,971,617; Aug. 28.
- Rheostat. E. M. Soreng. 1,967,519; July 24.
- Rheostat. C. M. Tuttle. 1,976,310; Oct. 9.
- Rheostat and the like. N. C. Schellenger. 1,947,437; Feb. 13.
- Rheostat for electric motors, Automatic starting. B. R. Planche. 1,966,804; July 17.
- Rheostat potentiometer. D. T. Siegel. 1,942,495; Jan. 9.
- Rheostat switch. W. O. Dennis. 1,955,227; Apr. 17.

- Rhodium, bath and preparing the same, Electrodepositing. F. Zimmermann and H. E. Zschlegner. 1,981,820; Nov. 20.
- Rhodium plating. T. P. Shields. 1,949,131; Feb. 27.
- Rhythm stick. K. Tsukamoto. 1,982,888; Dec. 4.
- Ribbon and the like, Typewriter. H. L. Shallcross. 1,946,363; Feb. 6.
- Ribbon feed. T. I. Brown. 1,944,964; Jan. 30.
- Ribbon feed and reverse mechanism. M. Garbell. 1,950,725; Mar. 13.
- Ribbon making device, Metal. E. A. Dewald. 1,962,896; June 12.
- Ribbon mechanism, Double. T. M. Butler. 1,947,034; Feb. 13.
- Ribbon mechanism, Double. E. Racz. 1,947,019; Feb. 13.
- Ribbon or similar article. C. Weiner. Des. 92,989-90; Aug. 7.
- Ribbon pad. W. F. Maier. 1,985,790; Dec. 25.
- Ribbon put-up. B. J. Goldsmith. 1,973,061; Sept. 11.
- Ribbon, Transparent. A. H. Cohn. 1,958,033; May 8.
- Ribbons, etc., Process of and apparatus for the manufacture of artificial. R. Etzkorn. 1,966,004; July 10.
- Rifle and ammunition therefor, Rim-fire. R. Wiles, jr. 1,966,155; July 10.
- Rifle target and frangible disk. M. D. Van Auker. 1,970,676; Aug. 21.
- Rig front, Portable. J. B. Clark. 1,952,971; Mar. 27.
- Rim. P. E. Baker and C. F. Kop. 1,961,095; May 29.
- Rim. H. W. Kranz. 1,963,854; June 19.
- Rim construction. J. R. Boyd. 1,981,776. Nov. 20.
- Rim, Demountable deep-center. W. Barber. 1,977,712; Oct. 23.
- Rim for automobiles, Detachable traction. L. J. Davis. 1,945,261; Jan. 30.
- Rim for containers. A. B. Wilson. 1,952,401; Mar. 27.
- Rim for pneumatic tires. A. G. Maranville. 1,954,757; Apr. 10.
- Rim structure, Demountable. J. F. Higbee. 1,975,273; Oct. 2.
- Rim, Two-piece demountable. J. A. Padgett. 1,967,969; July 24.
- Rims, Apparatus for producing segmental. F. H. Benge. 1,945,413; Jan. 30.
- Rims, Construction for ornamenting. G. A. Lyon. 1,954,140; Apr. 10.
- Rims, Construction for ornamenting. G. A. Lyon. 1,985,378; Dec. 25.
- Rims, Producing segmental. F. H. Benge. 1,945,414; Jan. 30.
- Rind stripper. C. H. Marquardt, E. A. Countryman and L. S. Newton. Des. 93,836; Nov. 13.
- Ring: See—
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| Adapter ring. | Grease excluding ring. |
| Casting ring. | Key ring. |
| Commutator insulating ring. | Locomotive mud ring. |
| Conductor and collector ring. | Oil excluding ring. |
| Cowling ring. | Piston and packing ring. |
| Finger ring. | Piston ring. |
| Flask ring. | Seal ring. |
| Fluxion seal ring. | Sealing ring. |
| Ring. P. Lambusta. 1,945,280; Jan. 30. | Shower ring. |
| Ring. O. E. Strohm. Des. 92,273; May 15. | Spinning ring. |
| Ring and engagement ring set, Wedding. F. P. Kinsley. 1,956,033; Apr. 24. | |
| Ring and finger gauge. M. Engelsman. 1,981,911; Nov. 27. | |
| Ring and ornamental pin, Combination finger. P. Mertens. 1,979,702; Nov. 6. | |
| Ring and the like, Finger. R. T. Dieges. 1,971,213; Aug. 21. | |
| Ring blanker machine. J. J. Eckert. 1,951,048; Mar. 13. | |
| Ring book assembling machine. E. F. Buenger. 1,974,560; Sept. 25. | |
| Ring clincher. L. H. Miller and F. C. Lane. 1,948,865; Feb. 27. | |
| Ring construction for ornamenting rims. G. A. Lyon. 1,948,272; Feb. 20. | |
| Ring ensemble. J. Granat. 1,982,864; Dec. 4. | |
| Ring for welding, Backing-up. C. B. Martin and L. W. Lemert. 1,980,419; Nov. 13. | |
| Ring holder and ring for travelers. G. H. Gilligan. 1,957,041; May 1. | |
| Ring lubricator. W. Peyinghaus. 1,964,135; June 26. | |
| Ring, Making a finger. T. E. Foster. 1,947,254; Feb. 13. | |
| Ring mounting. E. M. Craft. 1,976,330; Oct. 9. | |
| Ring neck key can. H. J. Douglass. 1,985,536; Dec. 25. | |
| Ring or similar article, Finger. M. Kronstadt. Des. 91,358; Jan. 18. | |
| Ring or similar article, Finger. W. Stern. Des. 24,171; Dec. 25. | |
| Ring or similar article, Wedding. H. Kousin and W. Sude. Des. 93,929; Nov. 27. | |
| Ring rolling machine. J. J. Eckert. 1,976,927; Oct. 16. | |
| Ring-shaped article, Forming a. C. F. Cooper. 1,953,795; Apr. 3. | |
| Ring spinning frame. E. Wenzel. 1,962,265; June 12. | |
| Ring traveler. E. R. Jerome. 1,985,608; Dec. 25. | |
| Ring traveler and support therefor. G. H. Gilligan. 1,962,239; June 12. | |
| Rings and especially of wheel tires, Manufacture of. E. Kamp. 1,956,618; May 1. | |
| Rings, Rolling. F. B. Bell. 1,971,027; Aug. 21. | |
| Rip strip container. H. Hermani. 1,968,943; Aug. 7. | |
| Rip strip key and attaching means for containers. W. F. Punte. 1,979,172; Oct. 30. | |
| Ripper. L. O. Bird. 1,969,684; Aug. 7. | |
| Rivet. B. T. Andren. 1,966,401; July 10. | |
| Rivet, Expansion. G. Johnson. 1,944,513; Jan. 23. | |
| Rivet fastener. W. H. Fine. 1,947,906; Feb. 20. | |
| Rivet heads, Restoring deteriorated. A. G. Leake. 1,954,353; Apr. 10. | |
| Rivet, Hollow. W. E. Meissner. 1,969,897; Aug. 14. | |
| Rivet rule. W. Tinlin. 1,965,013; July 3. | |
| Rivet setter, Manually operated. J. Gualtiere. 1,983,851; Dec. 11. | |
| Rivet setting machine. J. Gobin, dit Daudè. 1,945,892; Feb. 6. | |
| Rivet setting machine. E. B. Stimpson. 1,947,680; Feb. 20. | |
| Riveter, Automatic. K. Bodden. 1,980,181; Nov. 13. | |
| Riveter control, Vibrating. F. A. Heilman. 1,962,715; June 12. | |
| Riveter, Rotary vibrating. F. A. Heilman. 1,966,295; July 10. | |
| Riveting device. H. Junkers. 1,951,914; Mar. 20. | |
| Riveting device. E. J. Rivers. 1,951,839; Mar. 20. | |
| Riveting jack. J. E. Trainer. 1,942,785; Jan. 9. | |
| Riveting machine. J. De Mooy. 1,971,773; Aug. 28. | |
| Riveting machine. J. Gobin. 1,969,214; Aug. 7. | |
| Riveting machine. W. Stever. 1,958,869; May 15. | |
| Riveting machine, Mechanical. A. A. Norin. 1,953,719; Apr. 3. | |
| Riveting means for ball bearing cages and the like. F. Leister. 1,955,302; Apr. 17. | |
| Riveting, Method and apparatus for electric. G. Fuchs and H. Späth. 1,978,363; Oct. 23. | |
| Rivets and the like, Method and apparatus for making tubular. R. J. Freter. 1,970,085; Aug. 14. | |
| Rivets, Restoring effectiveness of deteriorated. A. G. Leake. 1,954,359; Apr. 10. | |
| Road aggregates, Coating. K. H. Talbot. 1,969,283; Aug. 7. | |
| Road band. E. McCormick and J. E. Cade. 1,973,575; Sept. 11. | |
| Roadbuilder's equipment. F. B. Hurt. 1,946,461; Feb. 6. | |
| Road building composition and preparing same. D. W. Johnston. 1,985,572; Dec. 25. | |
| Road building machine. J. N. Heltzel. 1,980,523; Nov. 13. | |
| Road building machine. J. N. Heltzel. 1,982,387; Nov. 27. | |
| Road building machine. D. A. Hemstreet and J. W. Bell. 1,979,619; Nov. 6. | |
| Road building machine. H. R. Miller. 1,942,034; Jan. 2. | |
| Road building machine. E. Schuster. 1,954,104; Apr. 10. | |
| Road chair. W. E. White. 1,982,714; Dec. 4. | |
| Road construction. F. L. Carson. 1,960,865; May 29. | |
| Road construction, Method of and apparatus for. J. N. Byrd. 1,960,661; May 29. | |
| Road-grading machine. C. A. Gustafson. 1,941,833; Jan. 2. | |
| Road guard for highways. R. J. Woods, jr. 1,953,207; Apr. 3. | |
| Road guard for highways. R. J. Woods, jr. 1,966,778; July 17. | |
| Road heating machine. F. L. Van Allen and A. T. King. 1,984,849; Dec. 18. | |
| Road joint base unit. R. R. Robertson. 1,982,695; Dec. 4. | |
| Road joint installer. J. N. Heltzel. 1,963,700; June 19. | |
| Road joint machine. J. N. Heltzel. 1,956,681; May 1. | |
| Road joint machine. J. N. Heltzel. 1,974,240; Sept. 18. | |
| Road joint machine, Small. J. N. Heltzel. 1,969,884; Aug. 14. | |
| Road joints and producing same. J. W. Heltzel. 1,953,826; Apr. 3. | |
| Road machine. J. E. Carlson. 1,969,204; Aug. 7. | |
| Road machine. F. D. Wilson. 1,983,826; Dec. 11. | |
| Road machine. W. E. Winings. 1,980,897; Nov. 13. | |
| Road machine, Dual drive. W. T. Beatty and F. D. Wilson. 1,981,821; Nov. 20. | |
| Road making composition, Bituminous. S. S. Sadler. 1,969,904; Aug. 14. | |
| Road marking device. R. R. Robertson. 1,956,252; Apr. 24. | |
| Road material, Method and apparatus for mixing and spreading. T. W. Allen and C. F. Rogers. 1,953,890; Apr. 3. | |
| Road pavements and other surfaces, Construction of. L. R. H. Irvine. 1,966,760; July 17. | |
| Road repair apparatus. J. S. Littleford, jr. 1,957,144; May 1. | |
| Road scarifier. M. D. York and P. J. Newton. 1,970,531; Aug. 14. | |
| Road shoulder finishing machine. F. B. Ray and C. G. Schmid. 1,981,284; Nov. 20. | |
| Road shouldering machine. W. E. Stevens. 1,972,498; Sept. 4. | |
| Road surface gauge. W. L. Pierce. 1,967,758; July 24. | |
| Road surfaces, Planing and grading. H. E. Monroe. 1,952,452; Mar. 27. | |
| Road surfacing composition and the like. E. A. Murphy. 1,970,470; Aug. 14. | |
| Road surfacing machine. N. E. Brown. 1,955,224; Apr. 17. | |
| Road surfacing material, Bituminous. A. Breuer and E. Ostus. 1,970,164; Aug. 14. | |
| Road tool. J. G. Tullis. 1,952,398; Mar. 27. | |

- Road working machine. J. E. Carlson. 1,945,518; Feb. 6.
 Roads, Building. J. N. Heltzel. 1,963,088; June 19.
 Roads, Constructing bituminous macadam. R. B. Harris. 1,964,987; July 3.
 Roads, Method and apparatus for building. G. Jaeger. 1,967,178; July 17.
 Roads, Method of and apparatus for building. J. N. Heltzel. 1,977,850; Oct. 23.
 Roadway construction and rotary guard rail apparatus therefor, Safety. H. J. Hick. 1,969,845; Aug. 14.
 Roadways, Apparatus and method for laying. S. E. Finley and R. D. Kneale. 1,953,825; Apr. 3.
 Roadways, Surfacing. L. R. MacKenzie. 1,955,077; Apr. 17.
 Roadways with a nonskid surface and product thereof, Providing. E. C. Wallace. 1,975,028; Sept. 25.
 Roaster. P. J. Fitzgerald. 1,967,470; July 24.
 Roaster. B. H. Smith. 1,945,165; Jan. 30.
 Roaster apparatus, Automatic. H. T. Mustonen. 1,981,603; Nov. 20.
 Roaster, Batch. J. M. Edwards. 1,974,019; Sept. 18.
 Roaster, Coffee. P. J. Fitzgerald. 1,985,604; Dec. 25.
 Roaster, Coffee. P. R. A. Wessel. 1,945,129; Jan. 30.
 Roaster, Matrix. O. C. Roosen. 1,982,756; Dec. 4.
 Roasting apparatus. E. J. Dent. 1,970,499; Aug. 14.
 Roasting apparatus. K. W. MacDonald. 1,971,012; Aug. 21.
 Roasting device. J. R. Van Arsdale. 1,968,545; July 31.
 Roasting device for gas and electric stoves, Revolving. J. Halstead. 1,952,433; Mar. 27.
 Roasting machine. R. L. Brinkmier. 1,963,883; June 19.
 Robe and jacket, Combined lounge. H. A. Hirsch. 1,958,045; May 8.
 Rock bit construction, Rotary. A. E. Carlson. 1,973,975; Sept. 18.
 Rock core drill head. J. H. Howard. 1,961,362; June 5.
 Rock crushing machine. H. W. Pudan. 1,962,462; June 12.
 Rock-crushing machine. W. H. Sallwasser. 1,946,763; Feb. 13.
 Rock crushing plant. J. J. MacKay. 1,950,501; Mar. 13.
 Rock drill. J. C. Curtis. 1,967,499; July 24.
 Rock drill. J. C. Curtis. 1,967,502; July 24.
 Rock drill. J. C. Curtis. 1,968,378; July 31.
 Rock drill. J. R. Curtis. 1,965,491; July 3.
 Rock drill. A. Feucht. 1,942,690; Jan. 9.
 Rock drill. E. G. Gartin. 1,962,684; June 12.
 Rock drill. M. C. Huffman. 1,949,075; Feb. 27.
 Rock drill. M. C. Huffman. 1,977,636; Oct. 23.
 Rock drill. G. Larsson. 1,952,264; Mar. 27.
 Rock drill. H. G. Pankratz. 1,957,472; May 8.
 Rock drill. J. E. Renfer. 1,942,730; Jan. 9.
 Rock drill and like implement. H. E. Warsop. 1,981,764; Nov. 20.
 Rock drill clamp. R. Lillek. 1,960,159; May 22.
 Rock drill, Dustless. F. M. Slater. 1,978,964; Oct. 30.
 Rock drill feed mechanism. A. H. Katterjohn. 1,971,685; Aug. 28.
 Rock drill fluid cleansing means. M. C. Huffman. 1,979,551; Nov. 6.
 Rock drill lubricator. J. C. Curtis. 1,971,772; Aug. 28.
 Rock drilling machine, Pneumatic. E. Ryd. 1,951,065; Mar. 13.
 Rock drilling mechanism. G. W. Hulshizer. 1,972,017; Aug. 28.
 Rock sizing and crushing machine. H. W. Pudan. 1,978,000; Oct. 23.
 Rock, Treating phosphate. M. Larsson. Re19,045; Jan. 16.
 Rock wool product, Apparatus for producing. E. R. Powell. 1,948,395; Feb. 20.
 Rocker and vehicle, Child's convertible. R. W. Slee. 1,952,467; Mar. 27.
 Rocker, Baby. C. I. Sweet. Des. 94,004; Dec. 4.
 Rocker centering device. J. C. Travilla, jr., and E. G. Hallquist. 1,953,280; Apr. 3.
 Rocking and reclining chair, Collapsible. E. Turnai. 1,945,580; Feb. 6.
 Rocking chair. C. C. Witzel. 1,983,206-7; Dec. 4.
 Rocking horse, rocking chair, and the like. Z. Zivković. 1,950,338; Mar. 6.
 Rod: See—
 Capillary applicator rod. Hollow rod.
 Connecting rod. Leveling rod.
 Extension rod. Permanent waving rod.
 Fishing rod. Pusher rod.
 Ground rod. Sewer rod.
 Hair waving or curling rod. Tractor tie rod.
 Hanger rod. Welding rod.
 Rod assembly, Multiple master connecting. A. H. Leak. 1,962,246; June 12.
 Rod coupling. M. J. Tarr. 1,951,220; Mar. 13.
 Rod end joint. H. M. Rockwell. 1,983,947; Dec. 11.
 Rod hand-line block for fishermen. S. M. Hauser. Des. 93,164; Aug. 28.
 Rod handling. C. F. Hood. 1,945,898; Feb. 6.
 Rod handling apparatus. K. D. Fuller. 1,942,144; Jan. 2.
 Rod handling machine. C. F. Hood. 1,984,744; Dec. 18.
 Rod or pipe clamp. F. Brandt. 1,981,304; Nov. 20.
 Rod or pole, Extensible. G. H. Haines. 1,978,865; Oct. 30.
 Rod or wire and making same, Covered weld. R. McHenry. 1,960,194; May 22.
 Rod or wire structure fabricating machine. O. Hauck. 1,984,742; Dec. 18.
 Rod recessing and coating machine. C. J. Kotchi. 1,954,009; Apr. 10.
 Rod spider. H. L. Rhodes. 1,982,482; Nov. 27.
 Rod supports, Mandrel. O. F. Olson. 1,950,929; Mar. 13.
 Rod weeder. F. T. Court, W. Christensen, and C. E. Johnson. 1,941,539; Jan. 2.
 Rod weeder bearing. A. E. W. Johnson and C. W. Robinson. 1,973,985; Sept. 18.
 Rods, Apparatus for handling. F. W. Lorig. 1,984,750; Dec. 18.
 Rods for railway car brakes, Making bottom. K. M. Hamilton. 1,959,670; May 22.
 Rods, Forming connecting. W. H. Bagley. 1,984,624; Dec. 18.
 Rods, Making connecting. B. F. Hopkins and J. V. O. Palm. 1,948,176; Feb. 20.
 Rods, Method of and apparatus for rolling. W. R. Carroll. 1,968,670; July 31.
 Rods of hard facing material, Method of preparing and composition of. C. Taylor, J. A. Weiger, and G. N. Sieger. 1,977,361; Oct. 16.
 Rods or wires, Manufacturing flux carrying. C. J. Kotchi. 1,976,026; Oct. 9.
 Rodent and insect exterminator, Sanitary combined. E. L. Watson. 1,964,611; June 26.
 Rodent trap. A. M. Johnson. 1,982,389; Nov. 27.
 Roll. F. C. Washburn. 1,970,263; Aug. 14.
 Roll and making same, Chilled. W. H. Seaman. 1,948,244-5; Feb. 20.
 Roll, Chilled. W. H. Seaman. 1,948,243; Feb. 20.
 Roll coating machine. C. A. Dickhaut. 1,955,414; Apr. 17.
 Roll, Dandy. R. E. Freeman. 1,969,000; Aug. 7.
 Roll, Fluid heated. J. Gleason. 1,950,669; Mar. 13.
 Roll for presses, Feed. M. Guett. 1,978,303; Oct. 23.
 Roll grinding machine. B. C. Lewis and G. V. Hultgren. 1,968,255; July 31.
 Roll holder for rivet spinning machines. G. A. Linley. 1,969,568; Aug. 7.
 Roll, Immersion. F. L. Still. 1,978,771; Oct. 30.
 Roll leaf imprinting machine for leather goods. H. Gould and F. Ackerman. 1,982,158; Nov. 27.
 Roll machine for preparing foundry sand. H. E. Boughton. 1,948,328; Feb. 20.
 Roll, Metal. W. H. Seaman. 1,948,246; Feb. 20.
 Roll paper dispenser. V. Bottker and T. Hansen. 1,958,080; May 8.
 Roll polisher. A. D. Evans. 1,963,781; June 19.
 Roll polisher. W. F. Stewart. 1,954,502; Apr. 10.
 Roll polishing mechanism. H. W. Bradley and P. H. Long. 1,946,927; Feb. 13.
 Roll polishing mechanism, Hot. D. B. Geeseman. 1,954,289; Apr. 10.
 Roll screen. W. P. Chamberlain, jr., and W. R. Hultberg. 1,972,182; Sept. 4.
 Roll screen assembly. H. Dixon. 1,974,645; Sept. 25.
 Rollscreen unit. H. Dixon. 1,963,404; June 19.
 Roll shifting device. R. Müller. 1,982,685; Dec. 4.
 Roll support shifting device. H. A. W. Wood. 1,945,670; Feb. 6.
 Roll table. H. Etherington and K. H. Moll. 1,959,095; May 15.
 Roll, Wound. T. J. Salsman. 1,949,259; Feb. 27.
 Roller: See—
 Curtain roller. Mangle roller.
 Dampening roller. Perforating roller.
 Guide roller. Printer's roller.
 Hair roller. Sanding roller.
 Hoop roller. Shade roller.
 Ink roller. Spike roller.
 Inking roller. Spiked roller.
 Land roller.
 Roller. H. S. Eberhard. 1,982,729; Dec. 4.
 Roller. R. R. Ware. 1,943,881; Jan. 16.
 Roller abtractor. G. F. Putnam. 1,941,756; Jan. 2.
 Roller bearing. P. C. Ackerman. 1,982,896; Dec. 4.
 Roller bearing. O. W. Ahmansson. 1,967,650; July 24.
 Roller bearing. P. H. Frank. 1,972,140; Sept. 4.
 Roller bearing. K. L. Herrmann. 1,966,095; July 10.
 Roller bearing. K. L. Herrmann. 1,971,782; Aug. 28.
 Roller bearing. K. L. Herrmann. 1,976,613; Oct. 9.
 Roller bearing. O. F. Packer. 1,944,364; Jan. 23.
 Roller bearing. F. W. Peters. 1,972,355; Sept. 4.
 Roller bearing. T. L. Robinson. 1,985,693; Dec. 25.
 Roller bearing and cage. T. V. Buckwalter. 1,982,899; Dec. 4.
 Roller bearing, Double row. E. G. Boden. 1,941,460; Jan. 2.
 Roller bearing wheel. R. B. Bukolt. 1,973,747; Sept. 18.
 Roller bit. G. E. Behnke. 1,945,964; Feb. 6.
 Roller bit. G. E. Behnke. 1,972,256; Sept. 4.
 Roller bit. G. G. Harrington. 1,972,298; Sept. 4.
 Roller blind mechanism. C. J. Hesse. 1,965,496; July 3.
 Roller clutch. O. E. Fishburn. 1,947,703; Feb. 20.
 Roller conveyor. R. Cushman. 1,975,927; Oct. 9.
 Roller conveyor. A. O. Huxthal. 1,958,341; May 8.
 Roller device, Supporting. R. C. Smith. 1,967,332; July 24.
 Roller for paper and the like, Cutting. W. H. Possnett. 1,951,529; Mar. 20.
 Roller for paper making machines, Riding. B. A. Malkin and F. McHenry. 1,946,801; Feb. 13.
 Roller for Venetian blinds, Traverse. L. T. Ward. 1,978,152; Oct. 23.

- Roller head with endless belts for spinning machines. C. Gegauß. 1,942,329; Jan. 2.
- Roller heater, Scutcher calendering. W. Gigliotti. 1,950,668; Mar. 13.
- Roller in textile or like apparatus, more especially twisting machines, Feeding. T. E. Andrew. 1,961,952; June 5.
- Roller leveler. R. W. Moses. 1,959,492; May 22.
- Roller mill, Tube expanding. R. Bungeoth. 1,957,386; May 1.
- Roller mount for sliding doors. E. J. G. Phillips. 1,956,043; Apr. 24.
- Roller screen. W. W. Watson. 1,978,120; Oct. 23.
- Roller side bearing. A. B. Severn. 1,950,523; Mar. 13.
- Roller straightening machine. A. Wirth. 1,943,153; Jan. 9.
- Roller structure. L. A. Bittorf. 1,974,147; Sept. 18.
- Roller such for example as is used in Calenders. E. Gminder. 1,983,662; Dec. 11.
- Roller weir. K. Schön. 1,974,517; Sept. 25.
- Rollers, Adjusting printing. H. C. Osborn. 1,949,432; Mar. 6.
- Rollers, Apparatus and method of finishing. K. L. Herrmann. 1,946,440; Feb. 6.
- Rollers, Mechanism and method of finishing. K. L. Herrmann. 1,946,441; Feb. 6.
- Rollers, Method of and machine for grinding tapered. J. W. Smith. 1,970,777; Aug. 21.
- Rolling, Apparatus for. R. J. Wean and A. D. Evans. 1,948,148; Feb. 20.
- Rolling dirt mover. C. Le Bleu. 1,974,717; Sept. 25.
- Rolling ladder brake. D. E. Willard. 1,972,367; Sept. 4.
- Rolling, Method of. A. B. Haswell. 1,971,005; Aug. 21.
- Rolling mill. F. C. Biggert, jr. 1,980,570; Nov. 13.
- Rolling mill. W. R. Clark. 1,978,894; Oct. 30.
- Rolling mill. J. R. Coe. 1,965,219; July 3.
- Rolling mill. J. Gassen. 1,962,586; June 12.
- Rolling mill. J. R. George. 1,953,165; Apr. 3.
- Rolling mill. S. Holoeton. 1,971,982; Aug. 28.
- Rolling mill. K. Huber. 1,963,905; June 19.
- Rolling mill. R. Michel. Re19,406; Dec. 25.
- Rolling mill. W. Rohm. 1,964,893; July 3.
- Rolling mill. H. L. Schreck. 1,950,573; Mar. 13.
- Rolling mill. B. R. Shower. 1,981,078; Nov. 20.
- Rolling mill connector. W. L. Dittges. 1,985,405; Dec. 25.
- Rolling mill housing and constructing the same. F. C. Biggert, jr. 1,973,425; Sept. 11.
- Rolling mill table. B. B. Zuber. 1,967,168; July 17.
- Rolling pin container. R. E. Boyce. Des. 91,347; Jan. 16.
- Rolls, Apparatus for cleaning metal working. L. S. Dahl and J. L. Peet. 1,984,729; Dec. 18.
- Rolls, Apparatus for turning concave. T. W. Glynn. 1,976,705; Oct. 9.
- Rolls for use in the manufacture of ornamental flat glass, Treating. F. Gelstharp and P. R. Morris. 1,956,169; Apr. 24.
- Rolls, Method of and apparatus for finishing rubber. N. E. Morrison. 1,978,275; Oct. 23.
- Roof. T. M. Dantz. 1,977,669; Oct. 23.
- Roof. G. A. Holman. 1,978,841; Oct. 30.
- Roof and floor construction. J. V. Kohlhaas. 1,985,786; Dec. 25.
- Roof and laying same. W. Smith, jr. 1,968,228; July 31.
- Roof and the like. P. G. Masters. 1,953,621; Apr. 3.
- Roof bracket. N. I. Pearson. 1,943,228; Jan. 9.
- Roof, Car. C. D. Bonsall. 1,964,247; June 26.
- Roof, Car. C. D. Bonsall. 1,972,129; Sept. 4.
- Roof, Car. E. Mayhew. 1,961,373; June 5.
- Roof construction. G. A. Belding. 1,971,517; Aug. 28.
- Roof construction. V. K. Cates, R. H. Congreve, A. V. Pedersen, and E. D. Seaver. 1,985,599; Dec. 25.
- Roof construction. H. and W. Gillett. 1,975,842; Oct. 9.
- Roof construction, Vehicle. J. Ledwinka. 1,968,531; July 31.
- Roof covering. H. T. Nichols. 1,972,028; Aug. 28.
- Roof covering and forming same. N. P. Harshberger. 1,949,907; Mar. 6.
- Roof covering and manufacturing same. A. C. Fischer. 1,983,495; Dec. 4.
- Roof extension for an automotive vehicle. E. Schebera. 1,965,811; July 10.
- Roof for motor vehicles, Sliding. W. Baier. 1,950,371; Mar. 6.
- Roof for vehicles and the like. C. Brown. 1,965,452; July 3.
- Roof for vehicles, Movable. R. O. Mobbs. 1,981,843; Nov. 20.
- Roof frame. F. H. Steck. 1,951,634; Mar. 20.
- Roof framing tool. A. G. Sloper. 1,980,765; Nov. 13.
- Roof hook. J. S. Jones. 1,972,147; Sept. 4.
- Roof, Metal car. F. Ditchfield. 1,952,123; Mar. 27.
- Roof or siding. R. A. Holdsworth. Des. 92,132; May 1.
- Roof or similar article of manufacture. J. A. Topping. Des. 91,744; Mar. 13.
- Roof or similar article of manufacture. J. A. Topping. Des. 92,632; June 26.
- Roof or similar article of manufacture. J. A. Topping. Des. 93,191; Aug. 28.
- Roof or similar article of manufacture. J. A. Topping. Des. 93,642; Oct. 16.
- Roof structure. H. J. Dinstbir. 1,943,588; Jan. 16.
- Roof structure. J. I. Holder. 1,952,317; Mar. 27.
- Roof, Wood-pole. C. H. Walsh. 1,973,861; Sept. 18.
- Roofing. J. H. Bowman. 1,959,610; May 22.
- Roofing. S. W. Chaffee and R. P. Muller. 1,973,522; Sept. 11.
- Roofing. N. P. Harshberger. Des. 93,824; Nov. 13.
- Roofing. R. Maclean. 1,982,679; Dec. 4.
- Roofing. A. D. MacNutt. 1,963,752; June 19.
- Roofing. G. W. Mills, jr. 1,947,134; Feb. 13.
- Roofing. R. P. Muller. 1,973,523; Sept. 11.
- Roofing. H. L. Seymour. 1,967,105; July 17.
- Roofing. M. Walten and D. M. Owens. 1,974,851; Sept. 18.
- Roofing and siding construction. H. R. Balph. 1,965,972; July 10.
- Roofing and siding element. N. P. Harshberger. 1,945,485; Jan. 30.
- Roofing and siding elements and producing, Contrasting effects thereon. N. P. Harshberger. 1,969,074; Aug. 7.
- Roofing, Apparatus for making. A. G. Leonard, jr. 1,984,647; Dec. 18.
- Roofing construction. J. P. Willock and J. A. McEwen. 1,978,519; Oct. 30.
- Roofing element and making same. C. E. Rahr. 1,961,166; June 5.
- Roofing element, Fabricated. L. Kirschbraun. 1,950,032; Mar. 6.
- Roofing element or similar article. N. P. Harshberger. Des. 91,654; Mar. 6.
- Roofing elements, Apparatus for cutting. A. L. Barrall. 1,961,896; June 5.
- Roofing elements, Method and apparatus for producing. M. S. Darrow. 1,972,133; Sept. 4.
- Roofing elements, Treating. L. Kirschbraun. 1,955,131; Apr. 17.
- Roofing granule. E. H. Nichols. 1,944,800; Jan. 23.
- Roofing granule, Colored. H. R. Gundlach. 1,943,525; Jan. 16.
- Roofing granules and producing same. E. H. Nichols. 1,954,778; Apr. 10.
- Roofing machine. A. E. F. Moone. 1,967,419; July 24.
- Roofing, Making composition. C. E. Volkhardt. 1,952,828; Mar. 27.
- Roofing material. A. C. Fischer. 1,983,494; Dec. 4.
- Roofing material and making same. N. P. Harshberger. 1,952,754; Mar. 27.
- Roofing, Metal. N. Jenkins. 1,963,583; June 19.
- Roofing, Method and apparatus for making. D. C. Betjeman. 1,973,863; Sept. 18.
- Roofing plate. E. Hering. 1,968,451; July 31.
- Roofing, Prepared. H. E. Beckman. 1,958,560; May 15.
- Roofing, Prepared. T. B. Lehon. 1,976,948; Oct. 16.
- Roofing, Prepared. A. E. F. Moone. 1,959,986; May 22.
- Roofing strip and making the same. J. E. Cook. 1,950,840; Mar. 13.
- Roofing structure. E. Hering. 1,968,452; July 31.
- Roofing structure. S. P. Moffit. 1,955,699; Apr. 17.
- Room construction, Soundproof. E. Weber. 1,963,341; June 13.
- Room cooler. J. C. Maim and R. C. Walsh. 1,972,231; Sept. 4.
- Room cooling apparatus. R. S. Nelson. 1,975,859; Oct. 9.
- Rope. H. G. Metcalf. 1,950,858; Mar. 13.
- Rope and cable holder. C. K. Mattson. 1,980,072; Nov. 6.
- Rope and cable holder. H. E. Schrader. 1,961,081; May 29.
- Rope and cable making machine, Wire. W. E. Somerville. 1,981,083; Nov. 20.
- Rope and making the same, Wire. C. C. Sunderland. 1,983,249; Dec. 4.
- Rope, Carrying. G. Zapf. 1,941,964; Jan. 2.
- Rope center, Paper wire. M. C. Dodge. 1,944,786; Jan. 23.
- Rope clamp. R. Loos. 1,958,969; May 15.
- Rope clamp. F. P. Mansbendel. 1,944,252; Jan. 23.
- Rope construction. C. Christiansen and G. O. K. Rüsck. 1,975,923; Oct. 9.
- Rope fastener. G. E. Fisher. 1,968,935; Aug. 7.
- Rope fastening device. P. E. Kraatz. 1,953,860; Apr. 3.
- Rope locking device, Theatrical. R. P. Hecker. 1,944,603; Jan. 23.
- Rope, Metallic. J. W. Gottschalk. 1,976,491; Oct. 9.
- Rope, Method and apparatus for separating the individual strands of a. H. T. Battin. 1,951,181; Mar. 13.
- Rope, Miniature spinning. J. R. O'Neil. 1,953,565; Apr. 3.
- Rope or the like, Splicing or tying of. F. P. Mansbendel. 1,944,251; Jan. 23.
- Rope sheave, Elevator compensating. K. M. White. 1,944,772; Jan. 23.
- Rope, Spinning. J. R. O'Neil. 1,942,768; Jan. 9.
- Rope take-up, Traverse. F. B. Peebles. 1,945,754; Feb. 6.
- Rope twisting tool. S. L. Tennant. 1,955,351; Apr. 17.
- Ropes, Manufacture of wire. H. Zündorf. 1,960,426; May 29.
- Ropes, Mechanism for manufacturing tensionless low-twist wire. H. Schmitz. 1,942,218; Jan. 2.
- Ropes, Stretching wire. G. Zapf. 1,951,687; Mar. 20.
- Rose. W. G. Bate. Pl. Pt. 97; May 15.
- Rose. P. Dot. Pl. Pt. 102; Sept. 18.
- Rose. W. Easlea. Pl. Pt. 114; Dec. 4.
- Rose. W. J. H. Kordes. Pl. Pt. 104; Oct. 16.
- Rose. M. Krause. Pl. Pt. 87; Mar. 13.
- Rose. V. Lens. Pl. Pt. 108; Oct. 16.
- Rose. C. Mallerin. Pl. Pt. 103; Sept. 18.
- Rose. J. H. Nicolas. Pl. Pt. 109; Oct. 23.
- Rose. L. Pahissa. Pl. Pt. 116; Dec. 11.
- Rose, Hybrid tea. J. G. Layton. Pl. Pt. 115; Dec. 11.
- Rose, Hybrid tea. A. Montgomery. Pl. Pt. 95; Apr. 24.
- Rose plant. J. D. Brownell. Pl. Pt. 96; May 15.
- Rose, Red. F. Spanbauer. Pl. Pt. 91; Apr. 3.

- Rose variety. W. J. H. Kordes. Pl. Pt. 105; Oct. 16.
 Rose, Variety of. G. de Ruyter. Pl. Pt. 106; Oct. 16.
 Rose, Variety of. M. Leenders. Pl. Pt. 107; Oct. 16.
 Rosin, Refining. J. N. Borglin. 1,959,564; May 22.
 Rosin, Refining. J. W. Humphrey. 1,978,135; Oct. 23.
 Rosin, Refining. D. A. Lister. 1,957,788; May 8.
 Rosin, Refining wood. H. R. Lee. 1,973,172; Sept. 11.
 Rosin size already applied to papers, Recuperating. S. Yano. 1,949,000; Feb. 27.
 Rotary. V. W. Zilen. 1,976,057; Oct. 9.
 Rotary apparatus for converting alternating electric currents to direct electric currents and vice versa. J. M. Pestarini. 1,967,159; July 17.
 Rotary apparatus for resolving emulsions. W. F. Van Loenen. 1,974,698; Sept. 25.
 Rotary bit. S. L. Campbell. 1,954,166; Apr. 10.
 Rotary bolt lock. M. Falk. 1,983,446; Dec. 4.
 Rotary clutch. W. R. Millican. 1,955,200; Apr. 17.
 Rotary crown ventilator. A. S. Weinstein. 1,946,724; Feb. 13.
 Rotary cutter. H. Gora. 1,950,920; Mar. 13.
 Rotary cutter. H. Gora. 1,957,882; May 8.
 Rotary cutter. F. P. Miller. 1,946,869; Feb. 13.
 Rotary cutting tool. A. Tscherne. 1,948,057; Feb. 20.
 Rotary cylinder structure. A. Matthews. 1,969,570; Aug. 7.
 Rotary disk valve. I. J. Babcock. 1,951,121; Mar. 13.
 Rotary drill bit. E. B. Gill. 1,972,068; Aug. 28.
 Rotary drill bit. H. T. Tupica. 1,945,240; Jan. 30.
 Rotary drilling bit. S. R. Hopkins. 1,949,049; Feb. 27.
 Rotary drum drier. H. E. Neubauer. 1,957,146; May 1.
 Rotary drum filter. J. E. Jewett and C. G. Kiplinger. 1,975,230; Oct. 2.
 Rotary engine. J. B. Brady. 1,970,594; Aug. 21.
 Rotary engine. O. N. Davis. 1,952,197; Mar. 27.
 Rotary engine. R. C. Fisher. 1,960,971; May 29.
 Rotary engine. A. B. Gardner. 1,972,335; Sept. 4.
 Rotary engine. B. Hein. 1,969,711; Aug. 7.
 Rotary engine. G. Hickerson and J. McCreadle. 1,955,461; Apr. 17.
 Rotary engine. J. F. Jaworowski. 1,974,111; Sept. 18.
 Rotary engine. J. L. Kempthorne. 1,952,260; Mar. 27.
 Rotary engine. H. E. Kempton. 1,972,565; Sept. 4.
 Rotary engine. O. E. E. Stromberg. 1,973,397; Sept. 11.
 Rotary engine. P. W. Young. 1,943,882; Jan. 16.
 Rotary engine and pump. J. Williams and J. R. Trougher. 1,969,192; Aug. 7.
 Rotary engine, Fluid pressure. E. Silbermann and J. Stolz. 1,945,088; Jan. 30.
 Rotary engine, Internal combustion. F. F. Vogel. 1,974,761; Sept. 25.
 Rotary frequency and phase converter. C. P. Kovács. 1,955,133; Apr. 17.
 Rotary fuel burner. M. J. Binkley. 1,960,837; May 29.
 Rotary gas engine. C. G. McDonald. 1,980,924; Nov. 13.
 Rotary gas flow meter. J. L. Hodgson. 1,963,904; June 19.
 Rotary gas pump. J. Sim. 1,945,759; Feb. 6.
 Rotary gate valve. M. P. Laurent. 1,969,375; Aug. 7.
 Rotary machine. A. Schnürle and O. Elwert. 1,968,175; July 31.
 Rotary machine. F. J. Young. 1,945,876; Feb. 6.
 Rotary machine. L. E. Zerbe. 1,976,207; Oct. 9.
 Rotary machine, Spur gear. A. E. Rice and J. S. Morgan, jr. 1,969,035; Aug. 7.
 Rotary machine, Two-speed. J. S. Morgan, jr., and A. E. Rice. 1,963,332; June 19.
 Rotary mechanism. H. E. Vickers. 1,954,853; Apr. 17.
 Rotary meter. W. Lumme. 1,963,330; June 19.
 Rotary motor. J. Enderlin. 1,981,615; Nov. 20.
 Rotary motor. G. Plato. 1,968,537; July 31.
 Rotary motor. N. Powell. 1,962,408; June 12.
 Rotary motor. M. Vias. 1,953,378; Apr. 3.
 Rotary motor. P. H. D. Winsor and C. N. Adams. 1,968,729; July 31.
 Rotary picking stand. B. T. Laffin. 1,974,572; Sept. 25.
 Rotary piston engine. W. Mau. 1,969,620; Aug. 7.
 Rotary piston engine. H. Walter. 1,953,695; Apr. 3.
 Rotary plugging tool. H. Lentulo. 1,969,808; Aug. 14.
 Rotary press, Sheet fed. G. A. Rutkoskie. 1,985,839; Dec. 25.
 Rotary printing machine, Sheet fed. H. Fischer. 1,966,287; July 10.
 Rotary printing press, Sheet feed. H. M. Barber. 1,944,703; Jan. 23.
 Rotary pump. G. D. Bradshaw. 1,972,864; Sept. 11.
 Rotary pump. G. J. Harman and A. M. Briggs. 1,980,404; Nov. 13.
 Rotary pump. L. V. Johnson. 1,974,112; Sept. 18.
 Rotary pump. L. R. Leveen. 1,942,064; Jan. 2.
 Rotary pump. P. O. Ott. 1,965,388; July 3.
 Rotary pump. R. B. Pitt. 1,964,330; June 26.
 Rotary pump. O. Siemen and J. Hinsch. 1,972,410; Sept. 4.
 Rotary pump. O. Siemen and J. Hinsch. 1,976,896; Oct. 16.
 Rotary pump. W. L. J. Spoor. 1,973,669; Sept. 11.
 Rotary pump. C. H. Varley. 1,974,225; Sept. 18.
 Rotary separator. H. A. F. von Rechenberg. 1,948,998; Feb. 27.
 Rotary sleeve valve engine. S. B. Smith. 1,964,369; June 26.
 Rotary snap switch. C. E. Avery. 1,964,717; July 3.
 Rotary snap switch. G. J. Meuer. Re19,200; June 5.
 Rotary steam engine. R. P. Glenn. 1,980,858; Nov. 13.
 Rotary tube furnace. C. P. Debuch. 1,976,162; Oct. 9.
 Rotary valve. H. E. McCrery. 1,947,210; Feb. 13.
 Rotary valve. C. H. Wills. 1,971,060; Aug. 21.
 Rotary valve. C. H. Wills and J. B. Beebe. 1,970,928; Aug. 21.
 Rotary valve engine. E. M. Bournonville. 1,975,777; Oct. 9.
 Rotary ventilator. J. Bolton. 1,977,934; Oct. 23.
 Rotary web press. O. C. F. Meisel. 1,978,715; Oct. 30.
 Rotatable cutter. E. L. Cecil. 1,952,656; Mar. 27.
 Rotatable table. A. Keller. 1,963,467; June 19.
 Rotator. R. F. Cohn. 1,942,202; Jan. 2.
 Rotenone from plant material, Extracting. H. A. Jones. 1,942,104; Jan. 2.
 Rotor, Aircraft sustaining. J. de la Cierva. 1,949,410; Mar. 6.
 Rotor, Aircraft sustaining. A. E. Larsen. 1,974,074; Sept. 18.
 Rotor, construction, Aircraft sustaining. J. de la Cierva. 1,980,169; Nov. 13.
 Rotor, Fluid. E. A. Stalker. 1,953,444; Apr. 3.
 Rotor for aircraft and making same, Sustaining. J. de la Cierva. 1,985,819; Dec. 25.
 Rotor for dynamo-electric machines. E. T. Reardon. 1,980,698; Nov. 13.
 Rotor for magnetos. C. F. Reis. 1,948,829; Feb. 27.
 Rotor for magnetos. C. F. Reis. 1,979,813; Nov. 6.
 Rotor for pumps or motors. L. F. Young and W. Ferris. 1,976,424; Oct. 9.
 Rotor for self-starting synchronous electric motors for clocks and the like. A. Haigis. 1,985,091; Dec. 18.
 Rotor head for aircraft. T. E. Moodie. 1,954,533; Apr. 10.
 Rotor, Producing an end ring for a. G. H. Leland and W. L. O'Brien. 1,952,266; Mar. 27.
 Rotor, Steam turbine. J. F. Metten. 1,967,962; July 24.
 Rotor wheel. A. Huguenin. 1,945,900; Feb. 6.
 Rotor winding, Cast aluminum. C. S. Taylor. 1,950,197; Mar. 6.
 Rotors, Balancing. E. L. Thearle. 1,976,588; Oct. 9.
 Rouge applicator. G. A. Gleeson. 1,953,296; Apr. 3.
 Rouge container, Lip. P. H. Scott. Des. 93,052; Aug. 14.
 Rough turning in the lathe or similar machine tool. P. Quichon. 1,976,459; Oct. 9.
 Roughage mill. J. Holland-Letz. 1,967,313; July 24.
 Roughening machine. A. Andersson. 1,972,859; Sept. 11.
 Roughing machine for shoe parts. G. Goddu. 1,943,430; Jan. 16.
 Roughness of surfaces, Apparatus for determining. F. A. Firestone and F. M. Durbin. 1,976,337; Oct. 9.
 Roulette board. C. A. Anderson. Des. 92,059; Apr. 24.
 Router bit, Wood coating. H. P. Brumell and L. E. Linsley. 1,963,611; June 19.
 Routing and the like machine. G. Gorton. 1,959,269; May 15.
 Routing machine. A. L. Cushman. 1,983,438; Dec. 4.
 Routing machine. A. C. Pfau. 1,958,203; May 8.
 Routing machine. J. A. Richards. 1,962,524; June 12.
 Routing machines, Attachment for. S. W. Small. 1,941,629; Jan. 2.
 Row maker and coverer, Combined. R. J. Kunderd. 1,944,939; Jan. 30.
 Rubber and articles thereof, Manufacture of. M. Faldini. 1,983,972; Dec. 11.
 Rubber and fiber, Separating. A. W. Bull. 1,953,150; Apr. 3.
 Rubber and its manufacture, Substitute for. L. Lourin and E. Bidot. 1,969,932; Aug. 14.
 Rubber and making same, Aqueous dispersion of. H. L. Levin. 1,950,452; Mar. 13.
 Rubber and making the same, Microporous. H. W. Greenup. 1,959,160; May 15.
 Rubber and product obtained thereby, Vulcanization of. J. H. Fentress. 1,965,139; July 3.
 Rubber and similar substances, Reclaiming. A. W. Ralston and J. R. Wright. 1,981,811; Nov. 20.
 Rubber and the like, Compounding. J. J. O'Hare. 1,985,261; Dec. 25.
 Rubber and the like, Vulcanizing. W. A. Moore. 1,958,924; May 15.
 Rubber and umbrella stand, Combination. W. Pemberton. Des. 91,963; Apr. 10.
 Rubber, Aqueous dispersion of. H. L. Levin. 1,950,451; Mar. 13.
 Rubber article. C. G. Fisher. 1,978,301; Oct. 23.
 Rubber article and making same, Dipped. J. R. Gameter. 1,951,402; Mar. 20.
 Rubber article and making the same. C. W. Leguillon. 1,949,057; Feb. 27.
 Rubber article and producing the same, Strip. A. B. Merrill. 1,958,092; May 8.
 Rubber article having a molded outer surface, Making a. V. H. Bodle and E. B. Newton. 1,969,962; Aug. 14.
 Rubber article, Making a. E. W. Madge. 1,945,055; Jan. 30.
 Rubber article, Making a molded. L. H. L'Hollier. 1,983,667; Dec. 11.
 Rubber articles, Apparatus for patching sheet. W. E. Turner. 1,956,109; Apr. 24.
 Rubber articles, Forming. S. R. Ogilby. 1,969,275; Aug. 7.
 Rubber articles, Joining. H. Willshaw. 1,980,564; Nov. 13.
 Rubber articles, Making. M. E. Hansen. 1,968,887; Aug. 7.

- Rubber articles, Making hollow. A. Szegvari. 1,949,502; Mar. 6.
- Rubber articles, Manufacture of. E. A. Murphy, A. Niven, and D. F. Twiss. 1,953,972; Apr. 10.
- Rubber articles, Manufacture of. W. L. Semon. 1,969,101; Aug. 7.
- Rubber articles, Manufacture of. G. W. Trobridge. 1,959,556; May 22.
- Rubber articles, Manufacture of. D. F. Twiss, E. A. Murphy, and A. Niven. 1,985,002; Dec. 18.
- Rubber articles, Manufacture of hollow. C. L. Beal. 1,969,252; Aug. 7.
- Rubber articles, Manufacturing high quality seamless. J. Balog. 1,959,701; May 22.
- Rubber articles, Method and apparatus for forming. E. Hopkinson. 1,949,473; Mar. 6.
- Rubber articles, Method of and machine for making hollow. W. Macdonald. 1,979,003; Oct. 30.
- Rubber articles, Producing. J. McGavack. 1,960,445; May 29.
- Rubber articles, Producing inflatable. L. Keleman and Z. Keleti. 1,956,533; Apr. 24.
- Rubber articles, Production of. E. A. Murphy and R. G. James. 1,947,871; Feb. 20.
- Rubber, Artificial dispersion of. H. L. Levin. 1,950,453; Mar. 13.
- Rubber asphalt dispersion. L. Kirschbraun. 1,978,022; Oct. 23.
- Rubber bag. H. H. McGee. 1,955,008; Apr. 17.
- Rubber bands, Making. J. R. Gammeter. 1,949,465; Mar. 6.
- Rubber-bituminous composition. A. C. Fischer. 1,952,706; Mar. 27.
- Rubber cement coated articles, Preservation of. H. E. Moyses. 1,954,219; Apr. 10.
- Rubber coated article and making same. B. Dales. Re19,155; May 8.
- Rubber, Coloring. H. Krzikalla, A. Koch, and W. Scheurer. 1,962,511; June 12.
- Rubber composition. W. C. Geer. 1,968,883; Aug. 7.
- Rubber composition and making the same. W. N. Jones. 1,965,463; July 3.
- Rubber composition and making the same. E. A. Murphy. 1,978,813; Oct. 30.
- Rubber composition and method of preserving rubber. W. L. Semon. 1,975,734; Oct. 2.
- Rubber composition and preservation of rubber. R. L. Sibley. 1,966,650; July 17.
- Rubber composition and preserving rubber. W. L. Semon. 1,968,914; Aug. 7.
- Rubber composition and preserving rubber. A. W. Sloan. 1,975,980; Oct. 9.
- Rubber compound, Age resisting vulcanized. W. Scott. 1,958,928; May 15.
- Rubber compound and making same, Age resisting. W. Scott and H. G. Byers. 1,959,110; May 15.
- Rubber compound and manufacture, Air vulcanizable. P. N. Sylvester. 1,963,339; June 19.
- Rubber, Compounding. W. S. Calcott and W. A. Douglass. 1,947,458; Feb. 20.
- Rubber, Compounding. W. S. Calcott and W. A. Douglass. 1,950,478; Mar. 13.
- Rubber, Compounding. H. A. Endres. 1,958,745; May 15.
- Rubber compounds and product produced thereby, Treating scorched. M. G. Shepard and E. R. Burns. 1,957,298; May 1.
- Rubber cord connector. H. Hubbell, jr. 1,965,594; July 10.
- Rubber, Decorating sheet. F. Fenton. 1,983,695; Dec. 11.
- Rubber, Deposition of. R. B. F. F. Clarke. 1,945,256; Jan. 30.
- Rubber, Drying. E. B. Newton. 1,958,110; May 8.
- Rubber dust and the product thereof, Making hard. F. D. Chittenden. 1,967,809; July 24.
- Rubber emulsions and making same. L. Kirschbraun. 1,956,543; Apr. 24.
- Rubber filaments, Apparatus for making. A. W. Keen. 1,947,090; Feb. 13.
- Rubber from metal in a composite article, Separating. R. J. Hurt. 1,978,204; Oct. 23.
- Rubber goods and manufacturing the same. E. A. Murphy and D. F. Twiss. 1,952,041; Mar. 20.
- Rubber goods, Making. B. Dales. 1,959,021; May 15.
- Rubber goods, Making inflatable. J. H. Johnson. 1,970,802; Aug. 21.
- Rubber goods, Manufacture of. P. D. Patterson. 1,980,943; Nov. 13.
- Rubber, Inhibiting the deterioration of. W. S. Calcott and W. A. Douglass. 1,954,377; Apr. 10.
- Rubber latex concentrates, Production of. P. Scholz. 1,980,599; Nov. 13.
- Rubber latex, Treatment of. J. McGavack. 1,983,703; Dec. 11.
- Rubber-like dispersions and producing same. H. L. Levin. 1,968,459; July 31.
- Rubber like masses from butadiene hydrocarbons and polymerizable nitriles. E. Konrad and E. Tschunkur. 1,973,000; Sept. 11.
- Rubber, manufacture. A. J. A. Yssel de Schepper. 1,981,691; Nov. 20.
- Rubber, Manufacture and production of porous. R. Ditmar. 1,981,722; Nov. 20.
- Rubber, Manufacture of. E. A. Murphy. 1,970,469; Aug. 14.
- Rubber master batch and making the same. W. F. Zimmerli and W. L. Semon. 1,942,853; Jan. 9.
- Rubber material, Making sheet. C. A. Ritchie. 1,978,030; Oct. 23.
- Rubber, Method and apparatus for mixing and working of. E. E. Quinton. 1,963,503; June 19.
- Rubber, Method and apparatus for producing. M. A. Cheek. 1,983,967; Dec. 11.
- Rubber, Method and apparatus for treating. R. D. Wilhelm and E. E. Bevan. 1,972,822; Sept. 4.
- Rubber, Method and composition for coating. S. I. Strickhouser. 1,957,965; May 1.
- Rubber, Method of and apparatus for treating sheet. W. R. Weeks. 1,971,667; Aug. 28.
- Rubber mixtures, Production of. B. Rewald. 1,946,333; Feb. 6.
- Rubber or similar material, Manufacture of goods of. D. F. Twiss, A. S. Carpenter, and A. E. T. Neale. 1,966,271; July 10.
- Rubber or similar material, Manufacture of spongy. L. E. Howard. 1,966,818; July 17.
- Rubber parts and applying them to backing material, Forming. A. A. Glidden. 1,978,044; Oct. 23.
- Rubber poor in albumen, Producing. H. Meidel. 1,947,949; Feb. 20.
- Rubber, Preparation of. M. T. Flaxman. 1,971,746; Aug. 28.
- Rubber preservation. I. Williams, W. A. Douglass, and A. M. Neal. 1,978,444; Oct. 30.
- Rubber preserving media. New. L. Orthner, M. Bogemann, and T. Weigel. 1,970,972; Aug. 21.
- Rubber product, Age-resisting vulcanized. R. L. Sibley. 1,946,002; Feb. 6.
- Rubber product and making same. J. Helfrich. 1,976,394; Oct. 9.
- Rubber product and making the same, Twisted fibrous. E. N. Cunningham. 1,947,759; Feb. 20.
- Rubber product, Colored. H. Eichwede. 1,964,979-80; July 3.
- Rubber product having roughened or crinkled surfaces and producing the same. P. L. and O. L. Belton. 1,983,963; Dec. 11.
- Rubber product, Manufacture of age resisting. R. L. Sibley. 1,958,929; May 15.
- Rubber products, Making porous. E. W. Madge and A. N. Ward. 1,956,156; Apr. 24.
- Rubber products, Manufacture of vulcanized. M. O. Schur. 1,964,771; July 3.
- Rubber, Protecting. E. W. Trolander and W. C. Wilson. 1,973,398; Sept. 11.
- Rubber, Reclaiming. F. D. Chittenden. 1,976,327; Oct. 9.
- Rubber, Reclaiming. T. J. Fairley and R. Frye. 1,959,576; May 22.
- Rubber ring cutting machine. G. F. Darling. 1,984,730; Dec. 18.
- Rubber ring cutting machine. S. B. St. John. 1,942,986; Jan. 9.
- Rubber scrap, Disintegrating and devulcanizing. R. R. Gross. 1,963,943; June 19.
- Rubber slabs, Apparatus for treating. F. D. Fowler. 1,969,127; Aug. 7.
- Rubber sponge, Making. H. Lindemann. 1,951,618; Mar. 20.
- Rubber spring. W. H. Mussey. 1,941,995; Jan. 2.
- Rubber stock, Apparatus for reeling. E. W. Stacey. 1,963,179; June 19.
- Rubber stocks, Abrasion resisting. S. M. Cadwell. 1,984,247; Dec. 11.
- Rubber structure, Making an inflatable. J. H. Johnson. 1,970,803; Aug. 21.
- Rubber surfacing material, producing same and composition for use therein. E. Roberts. 1,967,904; July 24.
- Rubber threads or strands, Making. R. Weston. 1,949,506; Mar. 6.
- Rubber, Treatment of. R. H. Gerke. 1,981,168; Nov. 20.
- Rubber, Treatment of. W. P. ter Horst. 1,945,576-8; Feb. 6.
- Rubber tubes, Apparatus for the manufacture of. A. A. Glidden and T. M. Knowland. 1,969,071; Aug. 7.
- Rubber vulcanization. G. L. Magoun. 1,946,704; Feb. 13.
- Rubber vulcanization. W. Scott. 1,965,160; July 3.
- Rubber vulcanization assistant. A. W. Burwell. 1,981,822; Nov. 20.
- Rubber, Vulcanizing. W. Huhn. 1,944,346; Jan. 23.
- Rubber, Vulcanizing. J. R. Ingram. 1,943,797; Jan. 16.
- Rubber, Vulcanizing. G. H. Stevens. 1,973,914; Sept. 18.
- Rubber working roll. R. C. Yocum, jr. 1,977,839; Oct. 23.
- Rubberette material. H. S. Mayer. Des. 93,032; Aug. 14.
- Rubberized material, Creeping. J. J. Sindler. 1,948,138; Feb. 20.
- Rubbish burner. R. H. Lane. 1,955,641; Apr. 17.
- Ruffing and ornamental stitching mechanism, Combined. J. P. and A. H. Weis. 1,961,951; June 5.
- Ruffing mechanism. R. Loeb. 1,978,432; Oct. 30.
- Rug. P. V. Benerville. Des. 91,642; Mar. 6.
- Rug. L. Biva. Des. 91,346; Jan. 16.
- Rug. E. A. Duval. Des. 94,121; Dec. 25.
- Rug. C. Lehner. Des. 92,097; Apr. 24.
- Rug and making same. A. C. Rindskopf. 1,956,594; May 1.
- Rug, Combination grass and wood fiber. C. E. Steiger. 1,984,046; Dec. 11.
- Rug machine. G. H. Morrow. 1,977,914; Oct. 23.
- Rug making apparatus. T. G. Mervitz. 1,961,505; June 5.
- Rug-making machine. A. White. 1,958,556; May 15.

- Rug, Pile fabric. J. Todd. Des. 92,631; June 26.
 Rug shampooing machine. W. B. Ritter. 1,949,659; Mar. 6.
 Rug washing and cleaning device, Portable. C. A. Streich and B. J. Schulz. 1,975,380; Oct. 2.
 Rugs, Process and apparatus for making. C. A. Hollister. 1,946,853; Feb. 13.
 Rule. E. Anderson and C. M. Nicholson. 1,983,651; Dec. 11.
 Rule, Coillable measuring. F. A. Volz. 1,983,202; Dec. 4.
 Rule, Educational. R. V. Erk. Des. 94,078; Dec. 18.
 Rule, Eraser guard. R. L. Burgess. Des. 92,791; July 17.
 Rule, Folding. G. J. T. Neuberger. 1,969,988; Aug. 14.
 Rule, Folding. C. M. Nicholson. 1,979,567; Nov. 6.
 Rule, Folding extension. A. L. Stowell. 1,978,887; Oct. 30.
 Rule for reading boards, Rectifying. M. B. Penman. 1,971,233; Aug. 21.
 Rule, Measuring. F. A. Volz. 1,983,503; Dec. 4.
 Rule, Medical arts sterility slide. C. W. Anderson. 1,983,062; Dec. 4.
 Rule, Plasterer's joint. W. Hutcheon. 1,972,227; Sept. 4.
 Rule, Printer's. J. Hargraves. 1,983,453; Dec. 4.
 Rule, Slide. J. A. Boll. 1,978,038; Oct. 23.
 Rule, Slide. B. G. Dwyre. 1,947,699; Feb. 20.
 Rule, Slide. A. Langsner. 1,952,134; Mar. 27.
 Rule, Slide. F. Wömpner. 1,942,349; Jan. 2.
 Ruler. A. Kuechenmeister. 1,984,273; Dec. 11.
 Ruler, Adjustable curve. W. S. Weston. 1,953,282-3; Apr. 3.
 Ruling device. L. F. Carter. 1,955,944; Apr. 24.
 Run stop construction for stockings. J. A. Goodman. 1,981,315; Nov. 20.
 Runner, Collapsible. P. J. Sentner and J. A. Weir. 1,974,163; Sept. 18.
 Runner, Tile tying. T. D. Corcoran and L. A. Wolff. 1,948,510; Feb. 27.
 Running board bracket, Stepladder supporting. A. A. Brenzel. 1,959,611; May 22.
 Running board structure. B. Bronson. 1,947,824; Feb. 20.
 Runway support for wheelbarrows. S. G. Kleven. 1,965,346; July 3.
 Saber hanger and stabilizer. F. H. Bobs. 1,977,618; Oct. 23.
 Saccharifying cellulose containing substances, such as wood, by means of mineral acids. E. Farber and F. Koch. 1,969,600; Aug. 7.
 Sachet powder container. P. H. Ganz. Des. 93,652; Oct. 23.
 Sachet powder container. P. H. Ganz. 1,983,496; Dec. 4.
 Sack, Berry picker's. E. H. G. Arnold. 1,978,877; Oct. 30.
 Sack, Cotton picking. R. E. Stewart. 1,953,274; Apr. 3.
 Sack for vacuum cleaners. N. O'Brien. 1,977,139; Oct. 16.
 Sack lifter. A. L. Hall. 1,977,723; Oct. 23.
 Sack, Paper. J. Russell. 1,981,711; Nov. 20.
 Sack sewing machine. F. Ebert. 1,967,527; July 24.
 Sacks, bags and the like, Opening cement. I. D. McCauley. 1,966,016; July 10.
 Sacks, Device for facilitating the manual transporting of. W. Arndt. 1,966,024; July 10.
 Saddle. J. W. Brandt. 1,970,533; Aug. 14.
 Saddle, Pack. H. Swanson. 1,982,839; Dec. 4.
 Saddle seat. H. M. Pryale. 1,975,405; Oct. 2.
 Saddle structure, Motorcycle. W. S. Harley and F. W. Trispele. 1,961,145; June 5.
 Sadiron. A. E. Reimers. 1,979,574; Nov. 6.
 Sadiron base and cord support. W. A. Jones. 1,945,194; Jan. 30.
 Sadiron, Electric. M. N. Matveyeff. 1,964,923; July 3.
 Sadiron, Electric. M. N. Matveyeff. 1,965,746; July 10.
 Sadiron holder. B. Malamud. 1,966,036; July 10.
 Sadiron, Right hand or left hand safety. T. L. Reed. 1,965,804; July 10.
 Safe. F. J. Bremer. 1,966,705; July 17.
 Safe. C. K. Ernst. 1,954,667-8; Apr. 10.
 Safe. A. Hofer and F. Danning. 1,944,430; Jan. 23.
 Safe. C. F. Meilink. 1,946,028; Feb. 6.
 Safe device. W. C. Miller. 1,969,412; Aug. 7.
 Safe, File. K. J. Hollinshead. 1,976,444; Oct. 9.
 Safe protecting device. B. J. Stevens. 1,977,358; Oct. 16.
 Safe, Tabernacle. H. P. Mertel. 1,951,432; Mar. 20.
 Safe, Tabernacle. H. P. Mertel. 1,956,958; May 1.
 Safe, Temporary. P. S. Millice. 1,959,291; May 15.
 Safe, Temporary. P. S. Millice. 1,985,869; Dec. 25.
 Safety and sealing device for oil and gas wells, Combined. W. A. Ingalls. 1,945,222; Jan. 30.
 Safety apparatus for elevators. R. Neuschotz. 1,977,452; Oct. 16.
 Safety apparatus for multiple car elevators. G. A. Halfvarson. 1,976,495; Oct. 9.
 Safety appliance for automobiles. L. E. La Croix. 1,974,922; Sept. 25.
 Safety appliance for brakemen. I. S. Raymer. 1,955,473; Apr. 17.
 Safety attaching means. S. A. Crone. 1,952,045; Mar. 27.
 Safety attachment for pocketbooks. A. R. Martin. 1,959,727; May 22.
 Safety attachment for pockets. C. J. Pokora. 1,983,991; Dec. 11.
 Safety attachment for printing presses. H. E. Millingar and T. T. Pope. 1,951,433; Mar. 20.
 Safety attachment for typesetting machines. D. P. McLaughlin. 1,946,091; Feb. 6.
 Safety block. D. Masch and A. Dorazio. 1,951,941; Mar. 20.
 Safety box. R. Hobbs. 1,955,809; Apr. 24.
 Safety brake. J. R. McGiffert and O. L. Derby. 1,976,406; Oct. 9.
 Safety brake device, Hydraulic. J. E. Nall. 1,968,702; July 31.
 Safety brake, Motor vehicle. H. Morier. 1,971,655; Aug. 28.
 Safety clip. E. Kamrass. 1,959,271; May 15.
 Safety control equipment. F. B. Thomas. 1,964,094; June 26.
 Safety control for cutting machines. F. W. Seybold. 1,952,291; Mar. 27.
 Safety control mechanism for elevators. V. Federici. 1,959,528; May 22.
 Safety deposit box. J. Drenthe. 1,984,012; Dec. 11.
 Safety device. P. P. Greicius. 1,950,002; Mar. 6.
 Safety device. D. E. Hoffman. 1,963,701; June 19.
 Safety device. R. V. Lee. 1,946,940; Feb. 13.
 Safety device. H. V. McCormick. 1,971,114; Aug. 21.
 Safety device. C. E. Morgenstern. 1,979,839; Nov. 6.
 Safety device. T. H. Seely. 1,960,287; May 29.
 Safety device. B. F. Singer. 1,953,871; Apr. 3.
 Safety device. W. Spengler. 1,952,293; Mar. 27.
 Safety device. C. W. Wyman. 1,960,259; May 29.
 Safety device, Automatic. D. C. Carver. 1,983,791; Dec. 11.
 Safety device for aircraft. G. Ajello. 1,944,484; Jan. 23.
 Safety device for belts and the like. R. W. Judd. 1,955,189; Apr. 17.
 Safety device for brake beams of railway cars. W. C. Reed. 1,947,615; Feb. 20.
 Safety device for brake rods. E. G. Busse. 1,981,902; Nov. 27.
 Safety device for burners and the like. J. A. Spenser. 1,983,822; Dec. 11.
 Safety device for cashiers. L. E. Kothe. 1,963,274; June 19.
 Safety device for compressed air or other fluid pressure pipe systems. P. Hansen. 1,982,514; Nov. 27.
 Safety device for cutter rollers of cigar machines. W. H. Schussler. 1,984,813; Dec. 18.
 Safety device for die presses. H. C. H. Walsh. 1,970,262; Aug. 14.
 Safety device for electrodes. S. A. Wisdom. 1,972,849; Sept. 4.
 Safety device for elevators. R. P. Jackson. 1,955,333; Apr. 17.
 Safety device for firing mechanism. J. D. Pedersen. 1,959,797; May 22.
 Safety device for garages. J. Hochbaum. 1,959,918; May 22.
 Safety device for gas burners. A. Brown. 1,967,606; July 24.
 Safety device for gas mains. H. Beddoes and H. E. Schlenz. 1,979,933; Nov. 6.
 Safety device for gas pilots. W. S. Walker and T. Forberg. 1,980,120; Nov. 6.
 Safety device for hot metal mixers. R. W. Cousins. 1,972,679; Sept. 4.
 Safety device for internal combustion engines. J. P. Geraghty. 1,974,488; Sept. 25.
 Safety device for machines. M. S. Cate. 1,958,128; May 8.
 Safety device for manhole covers. C. E. Rego. 1,955,018; Apr. 17.
 Safety device for mines. J. W. Rankin. 1,950,951; Mar. 13.
 Safety device for motion picture projectors. M. Scheinfeld. 1,981,670; Nov. 20.
 Safety device for motor vehicles, Combination road lighting and reflecting. W. J. Roepke. 1,944,576; Jan. 23.
 Safety device for paper cutters. A. T. Moyer. 1,981,063; Nov. 20.
 Safety device for permanent waving. Cooling nozzle. N. and V. Boeckx. 1,951,269; Mar. 13.
 Safety device for presses and the like. W. L. Macfie. 1,945,116; Jan. 30.
 Safety device for producers and the like. P. Van Ackeren. 1,964,546; June 26.
 Safety device for punch presses. B. H. Hawkins. 1,957,835; May 8.
 Safety device for railroad working. J. Behmer. 1,975,762; Oct. 9.
 Safety device for refrigeration systems. E. B. Miller. 1,944,899; Jan. 30.
 Safety device for rock drills. E. B. Lear. 1,944,247; Jan. 23.
 Safety device for submarines. S. J. Wilson. 1,953,843; Apr. 3.
 Safety device for suspended passenger ropeways with two pull ropes. C. Rudolph. 1,950,521; Mar. 13.
 Safety device for vehicle doors. C. E. Ellis, Jr. 1,947,079; Feb. 13.
 Safety device for wringers. E. E. Erickson. 1,970,957; Aug. 21.
 Safety device for wringers. H. P. Hamelman. 1,964,286; June 26.
 Safety device, Moving picture machine. R. Henri and F. H. Akns. 1,955,184; Apr. 17.
 Safety device on gas stoves. E. Olson. 1,956,514; Apr. 24.
 Safety device, Steering gear. A. J. Hockman. 1,983,459; Dec. 4.
 Safety device, Window cleaner's. B. S. Nelson. 1,963,799; June 19.
 Safety electrical connector. J. L. Gary. 1,967,021; July 17.

- Safety exit light. F. E. Beidler. 1,946,570; Feb. 13.
 Safety filler plug. K. W. Warren. 1,943,851; Jan. 16.
 Safety gas valve, Automatic. J. J. Fuller. 1,954,927; Apr. 17.
 Safety gate. W. W. Cushing and R. K. Palmer. 1,979,369; Nov. 6.
 Safety grip for bathtubs. F. T. Alder. 1,969,958; Aug. 14.
 Safety holder for tools. A. L. Stowell. 1,969,677; Aug. 7.
 Safety hook. W. J. Bemis. 1,956,786; May 1.
 Safety hook. T. F. Duffy. 1,964,428; June 26.
 Safety hook. E. E. Johnson. 1,949,608; Mar. 6.
 Safety joint. A. B. Jenks. 1,982,915; Dec. 4.
 Safety lamp. H. W. Lueck, and C. H. and U. Davis. 1,979,837; Nov. 6.
 Safety light. J. L. Thompson. 1,965,865; July 10.
 Safety limit trip for spindle feed. D. C. Klausmeyer and R. L. Rickwood. 1,976,945; Oct. 16.
 Safety lock. T. B. Lewis. 1,950,803; Mar. 13.
 Safety lock box. A. C. Vidal. 1,933,716; Dec. 11.
 Safety means for addressing machines. E. C. Colyer. 1,975,074; Oct. 2.
 Safety means for chairs. W. A. Sengpiel. 1,942,781; Jan. 9.
 Safety mechanism for automobile engines. J. P. Geraghty. 1,974,489; Sept. 25.
 Safety mechanism for centrifugal machines. C. F. Meyer. 1,959,732; May 22.
 Safety mechanism for reenforced selva attachments. J. Schweistres. 1,967,068; July 17.
 Safety meter. W. H. Beech. 1,958,229; May 8.
 Safety pilot light. F. A. Gauger. 1,960,777; May 29.
 Safety pin. T. H. Jones. 1,950,310; Mar. 6.
 Safety pin. L. Novat. 1,983,186; Dec. 4.
 Safety pin. M. C. Peters. 1,963,446; June 19.
 Safety razor. H. S. Gilman. 1,969,604; Aug. 7.
 Safety razor. S. Hammer. 1,969,509; Aug. 7.
 Safety razor box. J. N. Wright. 1,958,600; May 15.
 Safety shutter or guard attachment for clothes wringers. N. B. Ryckman. 1,968,503; July 31.
 Safety signal light. R. S. Dudley. 1,956,436; Apr. 24.
 Safety supporting means for brake beams. C. R. Busch. 1,968,871; Aug. 7.
 Safety switch. C. E. Hanny. 1,933,902; Dec. 11.
 Safety switch, Dead front. F. S. Green. 1,962,867; June 12.
 Safety system for small X-ray units. A. Mutscheller. 1,973,415; Sept. 11.
 Safety tool joint. C. P. Skinner. 1,969,431; Aug. 7.
 Safety transmission brake. F. E. Briggs and E. M. Fuller. 1,966,000; July 10.
 Safety trip ridge breaker. W. J. Tomkin. 1,973,830; Sept. 18.
 Safety valve. G. Ackerman. 1,952,646; Mar. 27.
 Safety valve. G. Ackermann. 1,972,435; Sept. 4.
 Safety valve. A. D. Eplett. 1,949,150; Feb. 27.
 Safety valve. F. H. Hopkins. 1,974,274; Sept. 18.
 Safety valve. W. A. Jones. 1,970,937; Aug. 21.
 Safety valve, Frangible rod and disk type. R. W. Tryon and G. M. Booth. 1,970,718; Aug. 21.
 Safety valve, Remote controlled. W. W. Sackett. 1,966,735; July 17.
 Safety window seat. J. Hanson. 1,954,590; Apr. 10.
 Salad dressing. A. K. Epstein and M. C. Reynolds. 1,949,791; Mar. 6.
 Sales and billing machine. W. I. Nicholson, jr. 1,945,655; Feb. 6.
 Salicylic acid and calcium salt, Combination of. M. H. Wodlinger. 1,969,998; Aug. 14.
 Saline products, Process and apparatus for dehydrating. C. W. Jones, T. J. Murray, and G. F. Andersen. 1,984,833; Dec. 18.
 Salmon and product resulting therefrom, Canning. L. T. Hopkinson. 1,970,308; Aug. 14.
 Salt, Ammonium. E. W. Harvey. 1,969,980; Aug. 14.
 Salt and pepper shaker assembly. H. H. Dulany. Des. 91,555; Feb. 20.
 Salt bath for carburizing iron, steel, and the like, Fused. W. Beck and K. Bonath. 1,980,152; Nov. 6.
 Salt cellar or similar article. G. Palestro. Des. 93,123; Aug. 21.
 Salt compounds from crude oil, Removing. C. R. Wagner. 1,984,903; Dec. 18.
 Salt filter. W. A. Neill. 1,971,792; Aug. 28.
 Salt in canned goods, Device for depositing. D. M. Hume. Re19,174; May 22.
 Salt mixtures. K. M. Seifert. 1,950,459; Mar. 13.
 Salt of elaidyl sulphuric ester, Alkali metal. H. M. Bunbury and A. W. Baldwin. 1,981,901; Nov. 27.
 Salt on pistachio nuts, Applying. D. and V. N. Halabi and S. Riggio. 1,972,443; Sept. 4.
 Salt, Purifying raw. R. Hara. 1,976,222; Oct. 9.
 Salt shaker. H. R. Isenbower. 1,947,600; Feb. 20.
 Salt solutions, Increasing strength of. F. Eichelberger. 1,957,764; May 8.
 Salt solutions, Making chromic. F. W. Binns. 1,983,733; Dec. 11.
 Salt solutions, Production of nutrient. P. Spangenburg. 1,950,068; Mar. 6.
 Salts and preparing them, Solid stable diazoazo. K. Schnitzspahn. 1,975,409; Oct. 2.
 Salts from minerals, Extracting. E. P. Schoch. 1,952,289; Mar. 27.
 Salts of amino-acridine compounds with sulphonic acids. L. Benda. 1,975,387; Oct. 2.
 Salts of cellulose esters containing dicarboxylic acid radicals and its preparation, Ethanolamine. C. R. Fordyce. 1,969,741; Aug. 14.
 Salts of dialkylaminoaryphosphinous acids and making them. L. Benda. 1,956,889; May 1.
 Salts of diphenylguanidine and making same. R. L. Sibley. 1,950,067; Mar. 6.
 Salts of keto aromatic acids. L. C. Daniels and A. O. Jaeger. 1,977,047; Oct. 16.
 Salts of naphthenic acids, Producing heavy metal and alkali-earth metal. F. Pohl and B. Isenbeck. 1,974,507; Sept. 25.
 Salts of pyrocatechol borate and preparing the same. I. Williams and A. M. Neal. 1,975,890; Oct. 9.
 Salts of sulphonic acid soluble in mineral and fatty oils and the products thereof, Manufacture of heavy metal. S. L. Langedijk. 1,947,652; Feb. 20.
 Salts, Process and apparatus for the preparation of metallic. W. P. Heinkeken and M. L. Freed. 1,947,006; Feb. 13.
 Salts, Reduction of thiosulphate. A. L. Wilson. 1,956,113; Apr. 24.
 Salts, salt solutions, and other solutions, Preparation, separation, and purification. G. Austerweil and C. Jeanprost. 1,973,447; Oct. 30.
 Salute, Dual. A. Fabrizio. 1,972,478; Sept. 4.
 Salvaging apparatus. J. P. McArdie and T. R. Knudsen. 1,961,591; June 5.
 Salvaging apparatus. G. Visnyei. 1,957,622; May 8.
 Sample case. L. W. Plummer. 1,956,227; Apr. 24.
 Sample case. C. L. Williams. 1,978,925; Oct. 30.
 Sample obtaining implement. O. C. Gerhardt. 1,965,638; July 10.
 Sample taking apparatus. G. J. Barrett and S. Robichaux. 1,948,632; Feb. 27.
 Sample taking apparatus. G. A. Humason and J. A. Logan. 1,952,170; Mar. 27.
 Sample taking apparatus. S. Robichaux and G. J. Barrett. 1,948,631; Feb. 27.
 Sample taking mechanism for body makers. C. Hansen. 1,950,302; Mar. 6.
 Samples on cards and the like, Apparatus for mounting. A. Oser. 1,943,390; Jan. 16.
 Sampling apparatus. W. J. Cotton. 1,970,597; Aug. 21.
 Sampling apparatus for liquids. S. G. Cantacuzene. 1,974,236; Sept. 18.
 Sampling device. S. E. Atkins and T. Carlson. 1,944,392; Jan. 23.
 Sanctuary lamp. H. C. Will. 1,974,375; Sept. 18.
 Sand and the like, Dyeing and coloring. F. H. Cass and J. C. Weaver. 1,954,441; Apr. 10.
 Sand as used for making cores and flask molding, free and template moldings, Manufacture of molding. J. A. Malaspina. 1,975,398; Oct. 2.
 Sand blast apparatus, Wet. G. Webb. 1,966,571; July 17.
 Sand blast system. S. C. Vessy. 1,948,873; Feb. 27.
 Sand blasting apparatus. A. W. Miksch. 1,970,762; Aug. 21.
 Sand blasting machine. C. T. Weir and H. J. Dernehl. 1,957,186; May 1.
 Sand cleaning machine and method. G. A. Robertson. 1,984,431; Dec. 18.
 Sand controls for track sanding, Automatic. E. D. Martin. 1,951,553; Mar. 20.
 Sand from water, Method and apparatus for separating. K. Enz. 1,960,485; May 29.
 Sand handling and conditioning apparatus. M. W. Goldberg and W. W. Drissen. 1,966,116; July 10.
 Sand mixer. A. G. J. Rapp and A. C. Christensen. 1,969,523; Aug. 7.
 Sand mixer. H. S. Simpson. 1,948,805; Feb. 27.
 Sand molds, Preparing. E. Player. 1,968,958; Aug. 7.
 Sand more particularly suitable for the confection of cores and stone bed molds, Manufacture of molding. J. A. Malaspina. 1,975,399; Oct. 2.
 Sand or sediment trap for pumping wells. F. E. Kapp. Re19,096; Feb. 27.
 Sand projector. M. Borchek and H. Fingal. 1,975,346; Oct. 2.
 Sandproof pump. B. F. Schmidt. 1,953,439; Apr. 3.
 Sand purification. T. Earle. 1,983,271-2; Dec. 4.
 Sand, Purification of. T. Earle. 1,983,270; Dec. 4.
 Sand ramming equipment station for flasks. C. D. Barr and S. D. Moxley. 1,959,227; May 15.
 Sand, Treating. J. A. Crew. 1,957,579; May 8.
 Sand washer. A. F. Howe. 1,967,028; July 17.
 Sand washing apparatus. H. A. Friberg. 1,943,861; Jan. 16.
 Sander drum. D. M. Kauffman. 1,976,565; Oct. 9.
 Sander dust hood, Portable. A. G. Decker. 1,945,031; Jan. 30.
 Sander for molded edges. H. O. Edwards. 1,956,985; May 1.
 Sanderplane, Ventilated. H. L. Myers. 1,969,318; Aug. 7.
 Sander, Track. N. A. Sellers and C. J. Barnett. 1,949,977; Mar. 6.
 Sander, Traction. G. G. Sheldon. 1,963,532; June 19.
 Sanding device. G. E. Kent and F. W. Yutzler. 1,966,299; July 10.
 Sanding device for automobiles. J. and J. Levorchick. 1,973,083; Sept. 11.
 Sanding device for automotive vehicles. H. J. Gagnon. 1,942,921; Jan. 9.
 Sanding device for motor vehicles. O. L. Morrison and C. H. Sweney. 1,955,307; Apr. 17.

- Sanding machine. K. E. Edwards. 1,949,565; Mar. 6.
 Sanding machine. V. M. Hardy. 1,981,385; Nov. 20.
 Sanding machine. C. M. Lamb. 1,960,383; May 29.
 Sanding machine drum. F. D. Robbins. 1,963,448; June 19.
 Sanding machine, Portable. V. J. Zack. 1,958,601; May 15.
 Sanding roller. W. A. F. Boettcher. 1,975,630; Oct. 2.
 Sandal. A. Hellbrunn. Des. 91,998-92,000; Apr. 17.
 Sandal. H. Koomruian. 1,943,829; Jan. 16.
 Sandal. H. Kooruian. Des. 94,034; Dec. 11.
 Sandal. W. G. Maxcy. 1,944,664; Jan. 23.
 Sandal. E. Pellkofer. 1,964,364; June 26.
 Sandal. J. Pellkofer. 1,964,406; June 26.
 Sandal. J. Pellkofer. 1,964,705; June 26.
 Sandal. S. Troy. Des. 93,057; Aug. 14.
 Sandal or similar article. T. Buek, jr. Des. 92,519; June 19.
 Sandal, Sanitary. R. I. Innis. 1,980,621; Nov. 13.
 Sandwich making machine. J. Ankcorn. 1,973,195; Sept. 11.
 Sandwich rolls, Apparatus for making. C. H. Wilkes and O. Werner. 1,979,429; Nov. 6.
 Sandwich rolls, Making. C. H. Wilkes and O. Werner. 1,975,031; Sept. 25.
 Sanitary and self-cleansing trap. H. C. Odenkirk. 1,951,253; Mar. 13.
 Sanitary appliance. M. E. Rabell. 1,941,717; Jan. 2.
 Sanitary attachment for beverage vending machines. R. L. Rogers. 1,944,810; Jan. 23.
 Sanitary bandage. I. I. Heyman. 1,975,457; Oct. 2.
 Sanitary can, Key opening. P. H. Lange. 1,947,012; Feb. 13.
 Sanitary closet. P. H. Epler. 1,977,758; Oct. 23.
 Sanitary container. R. A. Dougherty. 1,949,010; Feb. 27.
 Sanitary container. F. J. Sessler. 1,974,630; Sept. 25.
 Sanitary cover. J. R. Macias. 1,967,581; July 24.
 Sanitary cut-off for tubes and the like. C. E. Cope. 1,969,455; Aug. 7.
 Sanitary device. A. Foltis. 1,974,955; Sept. 25.
 Sanitary device. S. Jakala. 1,982,520; Nov. 27.
 Sanitary dining room service. G. Grossen. 1,956,572; May 1.
 Sanitary dispensing device. A. Claus and H. Garney. 1,952,840; Mar. 27.
 Sanitary napkin. R. W. Johnson. 1,946,425; Feb. 6.
 Sanitary napkin. V. M. Jurgensen. 1,946,626; Feb. 13.
 Sanitary napkin. A. A. Rohling. 1,980,958; Nov. 13.
 Sanitary napkin machine. C. P. Winter. 1,950,765; Mar. 13.
 Sanitary napkins, Deodorizing. C. Barkow. 1,950,286; Mar. 6.
 Sanitary pad. E. M. Linard. 1,977,133; Oct. 16.
 Sanitary tie rack. M. T. Jones. 1,981,510; Nov. 20.
 Sanitary waste can. J. F. Geibel. 1,980,938; Nov. 13.
 Sanitary water closet. F. Guidetti. 1,966,951; July 17.
 Sash. C. E. Lyon. 1,979,951; Nov. 6.
 Sash and casing construction, Metallic window. E. Fixter. 1,950,401; Mar. 13.
 Sash and screen, Composite window. H. P. Gronbech. 1,980,990; Nov. 20.
 Sash and window construction for automobile door bodies. J. F. Levan. 1,953,355; Apr. 3.
 Sash and window frame, Air-tight. R. B. Neumann, jr. 1,981,116; Nov. 20.
 Sash assembly, Detention. W. D. Bayley. 1,948,230; Feb. 20.
 Sash balance. J. F. Peterson. 1,946,880; Feb. 13.
 Sash balance, Window. J. W. Smith. 1,965,478; July 3.
 Sash channel, Weather strip window. E. G. Simpson. 1,954,268; Apr. 10.
 Sash construction. Y. W. Ehret. 1,975,538; Oct. 2.
 Sash construction. W. S. Hamm. 1,944,232; Jan. 23.
 Sash construction. W. S. Hamm. 1,955,124; Apr. 17.
 Sash construction. W. S. Hamm. 1,964,053; June 26.
 Sash construction. W. S. Hamm. 1,981,355; Nov. 20.
 Sash construction. C. H. Larson. 1,968,529; July 31.
 Sash construction. A. MacKenzie. 1,946,169; Feb. 6.
 Sash construction. C. M. Verhagen. 1,949,193; Feb. 27.
 Sash construction, Auxiliary. S. Madsen. 1,952,018; Mar. 20.
 Sash construction, Sheet metal. R. T. Axe. 1,965,519; July 3.
 Sash construction, Window. R. T. Axe. 1,959,148; May 15.
 Sash construction, Window. A. Cacciola. 1,962,925; June 12.
 Sash construction, Window. F. Pickel and W. von Poelgeest. 1,941,716; Jan. 2.
 Sash construction, Window. F. Pickel and W. von Poelgeest. 1,966,902; July 17.
 Sash control. J. L. Turner. 1,979,654; Nov. 6.
 Sash control for sliding windows. B. E. Myers. 1,944,450; Jan. 23.
 Sash defect, Window. L. Larson. 1,942,966; Jan. 9.
 Sash fastener. H. H. Smith. 1,957,113; May 1.
 Sash guide. W. S. Hamm. 1,971,404; Aug. 28.
 Sash holder. R. Brown. 1,946,833; Feb. 13.
 Sash light controlling means for French windows or the like. D. Barbieri and J. Sachs. 1,953,845; Apr. 3.
 Sash lock. W. C. Repass. 1,948,542; Feb. 27.
 Sash lock, Open window. A. H. Maguire. 1,960,543; May 29.
 Sash lock, Remote controlled mechanically operated. G. Zimmer. 1,953,737; Apr. 3.
 Sash lock, Upper and lower. J. J. Fricano and A. G. Gearhart. 1,954,731; Apr. 10.
 Sash lock, Window. J. P. Murphy. 1,949,025; Feb. 27.
 Sash operating mechanism. E. L. Ackerman. 1,943,359; Jan. 16.
 Sash operating mechanism. W. F. Canavan. 1,956,269; Apr. 24.
 Sash operating mechanism. A. H. Schaffert and H. E. Van Voorhees. 1,982,269; Nov. 27.
 Sash operator and fastener. C. O. Goserud. 1,985,089; Dec. 18.
 Sash operator and fastener, Combination storm. C. O. Goserud. 1,985,088; Dec. 18.
 Sash operator and fastener, Storm. C. O. Goserud. 1,985,090; Dec. 18.
 Sash protection, Metal. A. V. Johnson. 1,980,864; Nov. 13.
 Sash pulley. J. Luton. 1,951,059; Mar. 13.
 Sash, Reversible window. P. Muller. 1,965,250; July 3.
 Sash securing device. E. Peremi and L. Toth. 1,955,653; Apr. 17.
 Sash, Stamped metal. A. P. Ball. 1,956,000; Apr. 24.
 Sash, Store front. A. N. McDonald. 1,941,570; Jan. 2.
 Sash ventilator set, Storm. W. C. Hansen. Des. 92,130; May 1.
 Sash, Window. D. E. Ross. 1,942,125; Jan. 2.
 Sash, Window. V. L. Thoma. 1,969,995; Aug. 14.
 Sash, Window. S. Viragh. 1,946,601; Feb. 13.
 Saucepan. W. T. Christman. Des. 92,880; July 31.
 Sauce pan. A. de Sakhnoffsky. Des. 92,038; Apr. 17.
 Saucepot and cover, Combined. A. de Sakhnoffsky. Des. 92,034; Apr. 17.
 Sausage and packaging same, Skinless and casingless. C. H. Vogt. 1,945,669; Feb. 6.
 Sausage, artificial casing therefor, and the production thereof. E. O. Freund. 1,959,973; May 22.
 Sausage casing. S. Gall. 1,985,564; Dec. 25.
 Sausage casings, Marking. S. Oppenheimer. 1,958,588; May 15.
 Sausage container. E. G. Ellstrom. 1,967,992; July 24.
 Sausage linking machine. P. A. Jacobson. 1,966,552; July 17.
 Sausage-linking machine. T. E. Kelly. 1,974,615; Sept. 25.
 Sausage machine. E. Wengel. 1,946,541; Feb. 20.
 Sausage making method and apparatus. C. H. Vogt. 1,942,582; Jan. 9.
 Sausage mold. E. F. Pawsat. 1,976,088; Oct. 9.
 Sausage products, Making and marketing. C. H. Vogt. 1,964,011; June 26.
 Sausage treating method. F. Seaver. 1,983,681; Dec. 11.
 Sausages, Manufacture of. C. H. Vogt. 1,964,009; June 26.
 Sausages, Manufacturing and marketing. C. H. Vogt. 1,964,010; June 26.
 Sausages, Treating. C. H. Vogt. 1,947,506; Feb. 20.
 Saw. C. A. Laemmel. 1,952,993; Mar. 27.
 Saw. H. Youtlen. M. Lindqvist, and M. Berglund. 1,949,196; Feb. 27.
 Saw and band saw. Scroll. J. Tate and H. E. Tautz. 1,956,912; May 1.
 Saw, Band. E. W. Hutchings. 1,976,172; Oct. 9.
 Saw chuck, Scroll. H. E. Tautz. 1,969,827; Aug. 14.
 Saw chuck, Scroll. H. E. Tautz. 1,984,500; Dec. 18.
 Saw-filing device. B. R. Andrus. 1,942,016; Jan. 2.
 Saw filing machine. C. J. St. Martin. 1,974,882; Sept. 25.
 Saw, Flying. J. M. Barton. 1,946,926; Feb. 13.
 Saw frame. F. H. Kelley. 1,972,740; Sept. 4.
 Saw, Hack. G. C. Cross. 1,950,973; Mar. 13.
 Saw holder. C. J. St. Martin. 1,954,897; Apr. 17.
 Sawhorse. R. W. Johnson. 1,967,886; July 24.
 Saw machine, Hack. C. Fletcher. 1,965,743; July 10.
 Saw, Meat. C. A. Laemmel. 1,972,566; Sept. 4.
 Saw mill. F. W. Horstkotte. 1,985,500; Dec. 25.
 Sawmill dog. A. L. Haase. 1,944,285; Jan. 23.
 Sawmill dog. R. E. Langill. 1,944,287; Jan. 23.
 Sawmill, Portable. M. E. Peace. 1,984,492; Dec. 18.
 Saw, Portable metal cutting. E. A. Everett. 1,946,785; Feb. 13.
 Saw, Portable power. M. Greitzer. 1,955,063; Apr. 17.
 Saw, Scroll. G. M. Cross. 1,959,199; May 15.
 Saw, Scroll. G. M. Cross. 1,975,314; Oct. 2.
 Saw, Scroll. H. E. Tautz. 1,964,651-2; June 26.
 Saw, Scroll. W. H. Young. 1,948,229; Feb. 20.
 Saw set. A. L. Stowell. 1,945,335; Jan. 30.
 Saw setting machine. J. E. Jirka. 1,971,983; Aug. 28.
 Saw swage. D. E. Gommel. 1,943,863; Jan. 16.
 Saw table gauge. F. Bielaski. 1,944,918; Jan. 30.
 Saw teeth or the like, Device for producing undercut. A. H. Olsson. 1,954,535; Apr. 10.
 Saw tooth cutting and sharpening machine. A. Nosan. 1,970,864; Aug. 21.
 Saw-tooth, Steel. L. P. Lee. 1,955,137; Apr. 17.
 Saw, Trim. H. C. Hike. 1,976,020; Oct. 9.
 Sawing and edging machine, Combination. L. W. Sly. 1,962,329; June 12.
 Sawing apparatus. J. Weissman and H. Zaretsky. 1,984,508; Dec. 18.
 Sawing machine. A. Kankos. 1,979,001; Oct. 30.
 Sawing machine. A. M. Lobdell. 1,972,453; Sept. 4.
 Sawing machine. R. R. Roemer. 1,956,835; May 1.
 Sawing machine. B. A. Van Wormer. 1,983,421; Dec. 4.
 Sawing mechanism and method of use, Portable. C. B. Christiansen. 1,946,390; Feb. 6.
 Sawing ring. C. J. Pettibone. 1,978,142; Oct. 23.
 Saws, Cutting, setting, and sharpening. E. Poeggel. 1,968,352; July 31.

- Saws, Method and apparatus for setting. A. H. Kennedy. 1,946,426; Feb. 6.
- Scaffold. N. Timmons. 1,949,820; Mar. 6.
- Scaffold, Adjustable. N. Gignac. 1,970,229; Aug. 14.
- Scaffold and ladder, Portable. A. L. Epps. 1,950,167; Mar. 6.
- Scaffold bracket. L. C. Eberle. 1,980,854; Nov. 13.
- Scaffold device for use on ladders and stepladders. J. T. Boyer. 1,960,863; May 29.
- Scaffold hoist. J. M. Benson. 1,950,288-90; Mar. 6.
- Scaffold jack. M. McLaughlin. 1,964,995; July 3.
- Scaffold jack. E. B. Snead. 1,945,828; Feb. 6.
- Scaffold joint. C. H. Anderson. 1,981,938; Nov. 27.
- Scaffold, Portable. R. E. Goranson. 1,961,967; June 5.
- Scaffold support or snowhook. H. C. Parker. 1,946,757; Feb. 13.
- Scaffold, Window. J. Victor. 1,947,629; Feb. 20.
- Scaffolding, Collapsible. C. E. Landberg. 1,943,871; Jan. 16.
- Scaffolding, Knock down. H. J. Marlowe. 1,969,656; Aug. 7.
- Scale. J. W. Bryce. 1,957,198; May 1.
- Scale. P. M. Fontaine. 1,941,981; Jan. 2.
- Scale. N. A. Hallwood. 1,950,238; Mar. 6.
- Scale. J. D. Lorenz. Des. 91,782; Mar. 20.
- Scale. J. S. Ogsbury. 1,978,910; Oct. 30.
- Scale. T. H. Strachan. 1,950,462; Mar. 13.
- Scale. H. L. van Doren and J. G. Rideout. Des. 93,953; Nov. 27.
- Scale. H. L. Walker. 1,953,664; Apr. 3.
- Scale. M. J. Weber. 1,982,938; Dec. 4.
- Scale. G. R. Wood. 1,974,940; Sept. 25.
- Scale, Bathroom. I. Florman. 1,980,045; Nov. 6.
- Scale, Bathroom. O. Landy. Des. 92,478; June 12.
- Scale bearing. W. N. Gilbert. 1,969,363; Aug. 7.
- Scale, Computing weighing. C. O. Marshall. 1,973,685; Sept. 11.
- Scale from pipes and tubes, Removing. H. J. Shelly. 1,951,066; Mar. 13.
- Scale, Health. A. Bousfield. 1,943,651; Jan. 16.
- Scale, Infant. A. Bousfield. 1,979,364; Nov. 6.
- Scale, Liquid. W. P. Feeeney. 1,971,776; Aug. 28.
- Scale pivot. J. D. Brown. 1,954,197; Apr. 10.
- Scale pivot. B. J. Von Fein. 1,954,030; Apr. 10.
- Scale pivot, Weighing. F. M. Oates. 1,954,181; Apr. 10.
- Scale, Platform. M. J. Weber. 1,982,939; Dec. 4.
- Scale, Platform weighing. L. D. Chambers. Des. 92,645; July 3.
- Scale prevention. H. Howard. 1,982,518; Nov. 27.
- Scale representations of objects, Method and apparatus for constructing multiple. H. L. Cooke. 1,980,981; Nov. 20.
- Scale stirrup. S. N. Hurt. 1,984,582; Dec. 18.
- Scale unit, Weighing. L. N. Fredd. Des. 93,010; Aug. 14.
- Scale, Weighing. H. S. Bergen. 1,949,707; Mar. 6.
- Scale, Weighing. M. H. Hansen. Des. 94,140; Dec. 25.
- Scale, Weighing. H. O. Hem. 1,954,205; Apr. 10.
- Scale, Weighing. H. W. Hem. 1,941,834; Jan. 2.
- Scale, Weighing. I. K. Hutchinson and R. A. Wolff. 1,984,412; Dec. 18.
- Scale, Weighing. A. E. Michener. 1,980,731; Nov. 13.
- Scale, Weighing. D. D. Myers and S. N. Hurt. 1,941,849; Jan. 2.
- Scale, Weighing. P. Okey. 1,980,956; Nov. 13.
- Scale, Weighing. O. G. Reeves. 1,984,598; Dec. 18.
- Scale, Weighing. E. G. Thomas. 1,984,606; Dec. 18.
- Scale, Weighing. H. L. Van Doren. 1,964,489; June 26.
- Scale, Weighing. M. D. Varney. 1,969,632; Aug. 7.
- Scale, Weighing. W. D. Watling. 1,983,257; Dec. 4.
- Scale, Weighing. M. J. Weber and R. E. Vanderhoff. Des. 93,858; Nov. 13.
- Scale, Weighing. C. J. Zinke. 1,984,561; Dec. 18.
- Scale, Weighing. J. R. Zwickl. 1,946,775; Feb. 13.
- Scale, Weight printing coin controlled. V. F. Slezak. 1,964,650; June 26.
- Scales for concrete aggregates, Weighing. A. B. Jacobus. 1,985,542; Dec. 25.
- Scalp protector. D. De Bellis. 1,960,990; May 29.
- Scalp steamer. R. E. Davis. 1,982,905; Dec. 4.
- Scalp treating apparatus. D. C. Shelton. 1,951,776; Mar. 20.
- Scalp treating device. R. B. Lutz. 1,944,091; Jan. 16.
- Scanning apparatus. H. E. Ives. 1,964,580; June 26.
- Scanning device. G. V. V. Dillenback, jr. 1,966,617; July 17.
- Scanning device. R. M. Zimmer. 1,963,255; June 19.
- Scanning device for television. H. S. Baird. 1,962,474; June 12.
- Scanning method and apparatus. D. W. Short. 1,941,628; Jan. 2.
- Scanning recorder. L. A. Gary and H. R. Harvey. 1,952,204; Mar. 27.
- Scanning system. B. Y. Cummings, jr. 1,976,926; Oct. 16.
- Scarf. A. M. Grean. 1,967,054; July 17.
- Scarf or muffler. B. B. Kirkland. 1,957,967; May 8.
- Scarf or similar article. C. James. Des. 92,603; June 26.
- Scarf or similar article, Lace. H. W. Hucknall. Des. 91,663; Mar. 6.
- Scarf or similar article, Lace. H. W. Hucknall. Des. 91,713; Mar. 13.
- Scarifier. H. W. Protzeller. 1,951,166; Mar. 13.
- Scarifier tooth. C. A. Russell and C. M. Walker. 1,960,879; May 29.
- Scarifier tooth. C. M. Walker. 1,965,950; July 10.
- Scavenger for coin controlled mechanism. W. L. Gilchrist. 1,947,767; Feb. 20.
- Scenic display device. J. J. Anderlick. 1,971,150; Aug. 21.
- School desk and seat, Combined portable. V. Quatraro. 1,979,173; Oct. 30.
- Scissors. A. S. Buda. 1,967,549; July 24.
- Scissors. M. Parker and J. W. B. Ladd. 1,956,587-8; May 1.
- Scissors and manufacturing the same. J. Brangs, jr. 1,942,324; Jan. 2.
- Scissors, Manufacture of. H. Beckman. 1,947,964; Feb. 20.
- Scissors or like cutting instrument. F. Schmitz. 1,964,676; June 26.
- Scissors or similar article, Pair of. J. J. Conway. Des. 93,912; Nov. 27.
- Scissors, Self-adjusting. J. P. Richardson. 1,947,308; Feb. 13.
- Scoop and the like, Ice cream. F. R. Chester. 1,966,089; July 10.
- Scoop board for vehicle boxes. H. A. Nelson. 1,979,401; Nov. 6.
- Scoop, Ice-cream. R. C. Baillie. Des. 91,697; Mar. 13.
- Scoop or ladle. W. F. Parker. 1,971,577; Aug. 28.
- Scooter, Pedal. W. R. Benjamin. 1,977,035; Oct. 16.
- Scooter, Snow. A. Upsacker and N. Spetland. 1,968,975; Aug. 7.
- Scooter, Snow. F. A. Wetzel. 1,945,170; Jan. 30.
- Score displaying means. H. L. White. 1,979,593; Nov. 6.
- Score keeping device. F. L. Paul. Des. 91,897; Apr. 3.
- Score lines, Making. W. E. Burns. 1,981,945; Nov. 27.
- Scoring device for bridge players, Visible. E. W. Carpenter. 1,955,452; Apr. 17.
- Scoring device for duplicate games. H. W. Slauson. 1,984,844; Dec. 18.
- Scoring device for games. A. R. R. Phillips. 1,953,630; Apr. 3.
- Scourer and making the same. T. W. Miller. 1,966,101; July 10.
- Scouring device. W. C. Protz. 1,963,529; June 19.
- Scouring machine. R. C. Simmons. 1,960,289; May 29.
- Scraper. A. W. Abrahamsen. 1,943,252; Jan. 9.
- Scraper. H. Eisenberg. 1,969,785; Aug. 14.
- Scraper. E. R. Greer. 1,965,374; July 3.
- Scraper. N. Kunderbagian. 1,973,091; Oct. 23.
- Scraper. C. Le Bleu. 1,958,195; May 8.
- Scraper. R. G. Le Tourneau. 1,963,665; June 19.
- Scraper. I. Lubarsky. 1,967,123; July 17.
- Scraper. J. J. Ritter. 1,950,930; Mar. 13.
- Scraper. V. Seek. 1,961,531; June 5.
- Scraper. L. E. Smith. 1,966,741; July 17.
- Scraper. G. R. Wood. 1,957,190; May 1.
- Scraper and cultivator, Combined. Z. Williams. 1,982,038; Nov. 27.
- Scraper and medicinal distributor, Mucus surface. C. E. Conn. 1,983,601; Dec. 11.
- Scraper, Dish. C. A. Schacht. Re19,152; May 1.
- Scraper, Earth moving. J. S. Stewart. 1,983,783; Dec. 11.
- Scraper, Flue. H. J. Sievers. 1,966,052; July 10.
- Scraper for automobile running boards. A. and E. F. Glauber. 1,946,578; Feb. 13.
- Scraper, Hand. W. H. Hentschel. 1,964,947; July 3.
- Scraper-loader. L. Weaver. 1,958,874; May 15.
- Scraper, Revolving drag. O. W. Sjogren and J. A. Vaughn. 1,955,257; Apr. 17.
- Scraper, Road. E. L. Schermerhorn. 1,966,936; July 17.
- Scraper, Rotary. J. H. Miller. 1,985,188; Dec. 18.
- Scraper, Wheeled. H. Ricks. 1,947,661; Feb. 20.
- Scrapping-iron for road planing machines. G. J. J. Smitt. 1,976,303; Oct. 9.
- Scrapping machine. E. S. Berney. 1,974,099; Sept. 18.
- Scrapping machine. F. Libertini. 1,949,482; Mar. 6.
- Scrapping means for sewage disposal plants. F. K. Wing. 1,951,462; Mar. 20.
- Scratcher for match boxes, Internal. R. S. Pullen. 1,985,837; Dec. 25.
- Screed. W. Scholer and W. C. Kashner. 1,954,847; Apr. 17.
- Screen: See—
- Burglar proof screen.
 - Caseament window screen.
 - Collapsible screen.
 - Daylight screen.
 - Filter screen.
 - Fire screen.
 - Flue-spark screen.
 - Folding projection screen.
 - Grader screen.
 - Half-tone screen.
 - Knock-down screen.
 - Metal window screen.
 - Metallic window screen.
 - Motion picture screen.
 - Moving picture screen.
 - Optical projection screen.
 - Picture moving screen.
 - Projection screen.
 - Reciprocating grain screen.
 - Roll screen.
 - Roller screen.
 - Shaking screen.
 - Slumber screen.
 - Ventilator screen.
 - Vibrating screen.
 - Water screen.
 - Well screen.
 - Window screen.
- Screen. P. Booth. 1,942,948; Jan. 9.
- Screen. A. C. Durdin, jr. 1,960,303; May 29.
- Screen. C. V. Hallenbeck. 1,971,156; Aug. 21.
- Screen. V. Ludwick. 1,953,000; Mar. 27.
- Screen. F. E. Mick and F. E. Major. 1,984,891; Dec. 18.
- Screen. O. J. Mills and W. G. Webb. 1,942,303; Jan. 2.
- Screen. C. H. Nordell. 1,948,125; Feb. 20.
- Screen and awning, Combined window. J. H. Chitwood. 1,977,114; Oct. 16.
- Screen and making the same, Motion picture. M. Major and H. H. Rennell. 1,959,434; May 22.

- Screen and sash frame. J. D. Fuller. 1,983,846; Dec. 11.
- Screen and table, Convertible. E. F. O. Reller. 1,941,579; Jan. 2.
- Screen and the production thereof, Sound permeable. K. Zechmanek. 1,966,747; July 17.
- Screen for automobile windows. C. L. Oman. 1,969,521; Aug. 7.
- Screen for automobiles, Adjustable. K. I. Miller. 1,962,203; June 12.
- Screen for automobiles, Window. G. R. Fowler and S. O. Denton. 1,973,166; Sept. 11.
- Screen for automobiles, Window. L. H. Schafer. 1,942,776; Jan. 9.
- Screen for automobiles, Window operated. F. P. Prawalsky. 1,958,018; May 8.
- Screen for cotton cleaners. J. B. Brennen. 1,956,488; Apr. 24.
- Screen for molding, Vibrating. L. M. Dupre. 1,962,734; June 12.
- Screen for motion-picture apparatus, Safety. H. C. Wellman. 1,942,230; Jan. 2.
- Screen for projected images, Fireproof. E. H. Nollau. 1,955,888; Apr. 24.
- Screen for use with X-rays, Variable. F. Liberson. 1,948,270; Feb. 20.
- Screen for windows, doors, and the like, Protective rolling. A. Himmelmann. 1,985,828; Dec. 25.
- Screen holder. A. Sandbrook. 1,945,572; Feb. 6.
- Screen insuring direct vision through the air, Wind. Y. L. J. Pottler. 1,980,633; Nov. 13.
- Screen plate, Pulp. G. W. Davis. 1,982,244; Nov. 27.
- Screen separator. P. P. Bowen. 1,961,921; June 5.
- Screen structure, Window. J. E. Johnson. 1,973,902; Sept. 18.
- Screening and concentrating device, Combined. L. B., N., W., and J. M. Goldberg. 1,960,085; May 22.
- Screening and filtering apparatus. F. W. Brackett. 1,967,050; July 17.
- Screening apparatus. T. W. Van Derveer. 1,965,816; July 10.
- Screening, Method of and apparatus for. M. P. Reynolds and W. J. Piggett. 1,983,676; Dec. 11.
- Screens, Device for installing window. E. W. Pendery. 1,947,102; Feb. 13.
- Screens, Fabricating well. H. R. Mark. 1,963,629; June 19.
- Screens, Method of and apparatus for forming. S. B. Stine. 1,963,425; June 19.
- Screw. F. E. Newton. 1,971,917; Aug. 28.
- Screw and bolt and making the same. C. Kaufman. Re19,348; Oct. 23.
- Screw and method of and apparatus for making the same, Cold formed socketed or hollow. W. A. Purtell. 1,978,371; Oct. 23.
- Screw and method of and apparatus for making the same, Hollow set. W. A. Purtell. 1,978,372; Oct. 23.
- Screw and operating mechanism thereof, Helicopter lifting. P. F. West. 1,942,888; Jan. 9.
- Screw and washer for battery terminals, Self-opening. R. C. Olson. 1,960,593; May 29.
- Screw cap for bottles and jars. J. J. Williams and T. Hunker. 1,974,438; Sept. 25.
- Screw cap for cans, Captive. J. M. Hothersall. 1,943,314; Jan. 16.
- Screw cap for electric lamps. E. A. Fagerlund. 1,969,641; Aug. 7.
- Screw cap, Two-piece. J. C. Gibbs. 1,942,810; Jan. 9.
- Screw cutting machine. H. W. Ruppel. 1,963,033; June 12.
- Screw-down. B. R. Shover. 1,948,804; Feb. 27.
- Screw driver. J. H. Abramson and E. C. Swanson. 1,971,289; Aug. 21.
- Screw driver. N. V. Fedotoff. 1,951,652; Mar. 20.
- Screw driver. H. S. Forsberg. 1,979,460; Nov. 6.
- Screw driver. W. E. Gray. 1,945,741; Feb. 6.
- Screw driver. J. J. Kmet. 1,969,615; Aug. 7.
- Screw driver. T. B. Powers. 1,961,246; June 5.
- Screw driver. E. Schenck. 1,949,763; Mar. 6.
- Screw driver. R. J. Watson. 1,950,644; Mar. 13.
- Screw-driver, Power driven. F. Kratz. 1,963,855; June 19.
- Screw drivers, Attachment for. J. C. Morgan. 1,977,323; Oct. 16.
- Screw for locomotive stokers, Conveyer. D. Evans. 1,982,799; Dec. 4.
- Screw holder device. W. J. Sofield. 1,945,829; Feb. 6.
- Screw jack, Fluid operated. D. H. Davis. 1,976,985; Oct. 16.
- Screw, Lubricated. P. G. Swanson and E. H. Ericsson. 1,976,305; Oct. 9.
- Screw, One way. F. Salmen, Jr. 1,956,963; May 1.
- Screw or bolt, Cap. C. E. S. Place and M. Van Winkle, Jr. 1,966,044; July 10.
- Screw press. A. ten Bosch, Nijzn. 1,968,180; July 31.
- Screw propeller. V. Loughheed. 1,973,573; Sept. 11.
- Screw propeller. E. E. Roberts. 1,963,531; June 19.
- Screw propeller, Conical spiral. F. De Koning and F. H. Newman. 1,961,415; June 5.
- Screw propeller, Marine. B. V. Telfer. 1,943,934; Jan. 16.
- Screw propeller, Variable pitch. E. Lanzerotti-Spina. 1,950,117; Mar. 6.
- Screw rolling die and method. L. A. Frayer. 1,946,735; Feb. 13.
- Screw, Self-locking. G. C. Trotter. 1,963,536; June 19.
- Screw, Self tapping. J. A. Bergstrom. 1,963,542; June 19.
- Screw setting device. E. D. Tillyer and E. L. Schumacher. 1,952,395; Mar. 27.
- Screw slotting device. A. Bechler. 1,970,216; Aug. 14.
- Screw thread gauge. R. Thomson. 1,954,852; Apr. 17.
- Screw threading die. E. T. Bysshe and R. R. Finn. 1,979,024; Oct. 30.
- Screw threads, Cutting external. R. Thomson. 1,950,704; Mar. 13.
- Screw, Variable pitch. E. Seppeler. 1,955,688; Apr. 17.
- Scribing or marking device. E. Schütze. 1,970,476; Aug. 14.
- Scroll cutting machine. F. Czema. 1,982,983; Dec. 4.
- Scrubber. S. G. Ketterer. 1,964,357; June 26.
- Scrubbing and mopping device. C. O. Anderson-Smedberg. 1,969,674; Aug. 7.
- Scrubbing device. C. M. Rutter. 1,982,356; Nov. 27.
- Scrubbing machine. N. Janchan. 1,941,690; Jan. 2.
- Scrubbing, sizing, starching, or other like machine. J. H., D. G., and K. Bayliss. 1,963,322; June 19.
- Scrubbing, waxing and steel wooling machine, Electric. B. I. Richmond. 1,947,435; Feb. 13.
- Sculling exerciser. A. V. Terry. 1,979,716; Nov. 6.
- Scutching and cleaning machine. J. A. Grant. 1,950,403; Mar. 13.
- Scythe. W. Glidden. 1,968,340; July 31.
- Sea growth specimen, Mounting a. L. O. Clark. 1,949,268; Feb. 27.
- Seaplane. H. H. Semmes. 1,957,675; May 8.
- Sea wall. L. R. Mason. 1,973,821; Sept. 18.
- Seal. L. M. Arsenault and A. W. Hutchinson. 1,954,342; Apr. 10.
- Seal. M. B. Behrman. 1,945,965; Feb. 6.
- Seal. A. O. Bradford. 1,977,301; Oct. 16.
- Seal. W. M. Brooks. 1,945,677; Feb. 6.
- Seal. H. S. Eberhard. 1,972,077; Sept. 4.
- Seal. H. S. Eberhard. 1,972,078; Sept. 4.
- Seal. F. Keidel. 1,982,438; Nov. 27.
- Seal. S. Klein. Des. 91,630; Feb. 27.
- Seal. W. J. McKittrick. 1,972,198; Sept. 4.
- Seal. L. J. Thompson. 1,979,356; Nov. 6.
- Seal. R. J. Vedovell. 1,956,368; Apr. 24.
- Seal. F. E. Wolcott. 1,967,984-5; July 24.
- Seal and closure, Leakproof. E. Brouwer. 1,958,907; May 15.
- Seal and making the same, Gas tight. G. Buechner. 1,958,263; May 8.
- Seal, Bottle. W. Ashton. 1,952,526; Mar. 27.
- Seal cover for storage batteries, Grease retaining. G. H. B. West. 1,953,576; Apr. 3.
- Seal, Doctr. S. R. Ramsay. 1,978,761; Oct. 30.
- Seal, Dust. G. F. Kuehn and G. A. Richroath. 1,950,852; Mar. 13.
- Seal fastener for sheet material. M. Canter. Des. 92,879; July 31.
- Seal, Fluid. E. I. McGee. 1,949,428-29; Mar. 6.
- Seal for automobile license plates. M. R. Phinney. 1,946,946; Feb. 13.
- Seal for batteries, Power. C. G. Reetz. 1,977,972; Oct. 23.
- Seal for boiler drums, Air. M. H. Kuhner. 1,944,350; Jan. 23.
- Seal for bottles, Hermetic. N. Ito. 1,942,102; Jan. 2.
- Seal for bottles, Hermetic. C. Ohta. 1,941,712; Jan. 2.
- Seal for bottles, Tamper proof. L. R. N. Carvalho. 1,977,962; Oct. 23.
- Seal for centrifugal pumps, Pressure reducing. G. E. Bigelow and A. R. Weis. 1,943,578; Jan. 16.
- Seal for containers and producing the same. O. I. Waring. 1,966,273; July 10.
- Seal for electric discharge devices, Making a. J. W. Case. 1,974,298; Sept. 18.
- Seal for electric lamps and similar articles. D. K. Wright and A. Greiner. 1,980,840; Nov. 13.
- Seal for floating tank roofs. J. H. Wiggins. 1,979,657; Nov. 6.
- Seal for liquid agitating means. R. F. Goecke. 1,965,698; July 10.
- Seal for metal straps. F. P. Prindle. 1,981,371; Nov. 20.
- Seal for securing wire and cord. E. F. Prieto. 1,945,448; Jan. 30.
- Seal for shafts, Pressure. M. Parker. 1,943,227; Jan. 9.
- Seal for silos. A. McMahon. 1,949,572; Mar. 6.
- Seal for storage batteries, Force feed grease. F. G. Beetem. 1,960,200; May 22.
- Seal for vehicle body closures, Weather. G. Trautvetter. 1,965,014; July 3.
- Seal for vehicle license plates, Locking. W. S. Sallsbury. 1,944,195; Jan. 23.
- Seal for wire and the like, Metal. W. King. 1,948,719; Feb. 27.
- Seal, Grease. J. R. Winter. 1,961,438; June 5.
- Seal joint. H. C. Porter. 1,969,152; Aug. 7.
- Seal nut for storage batteries, Grease retaining. G. H. B. West. 1,953,577; Apr. 3.
- Seal, Oil. R. W. Chandler. 1,970,165; Aug. 14.
- Seal, Oil. H. A. Clark. 1,963,936-7; June 19.
- Seal, Oil. H. A. Clark. 1,981,846; Nov. 27.
- Seal, Oil. W. J. Coultas. 1,983,522; Dec. 11.
- Seal, Oil. R. P. Lansing. 1,962,398; June 12.
- Seal, Oil. C. W. Marsh. 1,971,422; Aug. 28.
- Seal, Oil. J. C. Olsen. 1,977,081; Oct. 16.
- Seal, Oil. C. T. Olson. 1,975,170; Oct. 2.

- Seal, Oil. H. W. Tuxbury and J. N. Mowery. 1,958,120; May 8.
- Seal or guard. R. J. Brittain, jr. 1,978,739; Oct. 30.
- Seal or similar article. C. M. Rose. Des. 92,494; June 12.
- Seal, Piston. C. D. Stewart and C. C. Farmer. 1,952,391; Mar. 27.
- Seal, Rectifier electrode. S. Widmer. 1,953,033; Mar. 27.
- Seal ring. J. F. D'Ewart. 1,952,312; Mar. 27.
- Seal, Safety. A. Macondray and M. Smellow. 1,969,757; Aug. 14.
- Seal, Self locking. G. J. Wenk. 1,964,013-15; June 26.
- Seal, Self-locking. G. J. Wenk. 1,964,897; July 3.
- Seal, Shaft. W. F. Jenkins. 1,983,855; Dec. 11.
- Seal, Shaft. W. H. Radford. 1,972,393-4; Sept. 4.
- Seal, Shaft. L. W. Riggs. 1,947,172; Feb. 13.
- Seal, Shaft. A. C. Saxe. 1,945,825; Feb. 6.
- Seal, Tungsten. D. L. Ulrey. 1,971,837; Aug. 28.
- Seal, Window pane. H. C. Ennis. 1,946,017; Feb. 6.
- Sealed bag. H. Haskell. 1,983,291; Dec. 4.
- Sealed connector. C. E. L. Lipman. 1,956,869; May 1.
- Sealed quilted material. C. S. Smallish. 1,963,177; June 19.
- Sealer and tightener, Fruit jar. W. Fabrick. 1,943,470; Jan. 16.
- Sealer for cigarette machines, Seam. C. H. Gibson and L. E. Downs. 1,945,433; Jan. 30.
- Sealer, Sanding. W. Nebel. 1,973,649; Sept. 11.
- Sealing. H. J. Neumiller. 1,964,959; July 3.
- Sealing. F. W. Peters. 1,978,689; Oct. 30.
- Sealing and centering apparatus, Pipe. W. Scribner. 1,974,878; Sept. 25.
- Sealing and identifying device for display holders. G. A. Fisher. 1,967,145; July 17.
- Sealing and locking device. W. G. Wilson. 1,965,273; July 3.
- Sealing compound applying machine. C. Stecher. 1,976,860; Oct. 16.
- Sealing device. W. C. Childress. 1,974,913; Sept. 25.
- Sealing device. A. L. McHugh. 1,947,017; Feb. 13.
- Sealing device. J. E. Ott. 1,984,652; Dec. 18.
- Sealing device, Metallic. J. A. Mayer. 1,952,085; Mar. 27.
- Sealing element for fluid-pressure containers. H. Koester. 1,985,733; Dec. 25.
- Sealing head for jars. W. Kowal. 1,954,737; Apr. 10.
- Sealing liquid and making same. W. A. Gruse. 1,985,860; Dec. 25.
- Sealing machine. A. Podel. 1,945,954; Feb. 6.
- Sealing machines, Device for. R. M. Zimmer and L. A. Hawthorne. 1,942,042; Jan. 2.
- Sealing means. W. M. Brooks. 1,948,255; Feb. 20.
- Sealing means. W. M. Brooks. 1,982,783; Dec. 4.
- Sealing means. H. E. Johnson. 1,963,465; June 19.
- Sealing means. H. E. Johnson. 1,963,704; June 19.
- Sealing means. F. W. Peters. 1,955,860; Apr. 24.
- Sealing means. E. W. Robinson and J. E. Burney. 1,962,841; June 12.
- Sealing means for annular cylinder engines. F. A. Bullington. 1,944,875; Jan. 30.
- Sealing means for annular cylinder engines. F. A. Bullington. 1,967,703; July 24.
- Sealing means for can filling units. W. Page and J. M. McClatchie. 1,945,290; Jan. 30.
- Sealing means for centrifugal pumps. E. R. Wilfey. 1,976,532; Oct. 9.
- Sealing means for control rods. C. E. Hathorn. 1,983,368; Dec. 4.
- Sealing means for electrolytic devices. W. W. Clark. 1,949,953; Mar. 6.
- Sealing means for oscillating members. O. U. Zerk. 1,959,259; May 15.
- Sealing means for pumps and the like. E. W. Dilg. 1,975,352; Oct. 2.
- Sealing means for rotary valve engines. C. W. Hall. 1,965,642; July 10.
- Sealing means for solidified carbon dioxide containers. W. G. Cummings. 1,959,946; May 22.
- Sealing means for valves. B. Johnsen. 1,968,779; July 31.
- Sealing means, Vent. C. M. Brown. 1,966,706; July 17.
- Sealing medium for gas holders. F. W. Sperr, jr. 1,961,254; June 5.
- Sealing of gas-filled containers. M. de Neumann. 1,977,671; Oct. 23.
- Sealing off, Method of. J. D. Brumley. 1,945,769; Feb. 6.
- Sealing or wrapping machine. C. M. Hesson. 1,978,630; Oct. 30.
- Sealing pin for oscillating piston chambers. C. S. Hazard. 1,961,688; June 5.
- Sealing ring. R. D. Evans. 1,952,427; Mar. 27.
- Sealing ring and building same. R. B. Day. 1,952,424; Mar. 27.
- Sealing ring for tire casings. L. A. Laursen. 1,982,674; Dec. 4.
- Sealing ring for use in gas holders of disk type. G. von Hanffstengel. 1,946,512; Feb. 13.
- Sealing strip for buildings. G. J. Wencz. 1,950,014; Mar. 6.
- Sealing tool. S. J. Ornstom. 1,972,236; Sept. 4.
- Seals for closure fasteners, Forming. G. C. Newcomb. 1,958,673; May 15.
- Seals for tubes, Automatic. G. T. Griffin. 1,982,294; Nov. 27.
- Seam for garments. S. N. Weiner. 1,950,367; Mar. 6.
- Seam for sewed articles and making same. A. H. De Voe. 1,943,300; Jan. 16.
- Seam ironing machine. A. C. Smith. 1,976,043; Oct. 9.
- Seam pressing machine. W. P. Osgood. Re19,319; Sept. 18.
- Seam pressing machine. H. Weisner. 1,955,664; Apr. 17.
- Seam protecting device for cloth shearing machines. C. H. Coolidge. 1,978,989; Oct. 30.
- Seam protecting means for cloth shears. C. G. Richardson. 1,956,536; Apr. 24.
- Seam soldering machine, Internal. P. Kruse. 1,969,803; Aug. 14.
- Seam welder. E. J. W. Ragsdale and J. C. Whitesell, jr. 1,946,445; Feb. 6.
- Seam welding apparatus. P. M. Hall. 1,971,217; Aug. 21.
- Seam wiper for can body machines. C. Hansen. 1,954,733; Apr. 10.
- Seamer, Double. W. Cameron. 1,941,972; Jan. 2.
- Seamer for cans, Hand. M. M. Sedwick. 1,984,601; Dec. 18.
- Seaming and pinking machine, Combined. L. G. Bowman. 1,978,291; Oct. 23.
- Seaming and pinking machine, Combined. H. F. Gruman. 1,956,677; May 1.
- Seaming and pinking machine, Combined. J. Mann. 1,962,022; June 5.
- Seaming head. S. Birkland. 1,972,862; Sept. 11.
- Seaming head. G. C. Erb. 1,972,878; Sept. 11.
- Seaming machine. H. E. Hawes. 1,953,650; Apr. 3.
- Seaming machine. A. G. Hopkins. 1,954,875; Apr. 17.
- Seams and the like, Making hemstitched. K. G. Scheibel and A. A. Bohmann. 1,958,207; May 8.
- Sear mechanism for guns. R. C. Coupland. 1,981,855; Nov. 27.
- Sear mechanism for guns. C. F. Hofstetter. 1,980,994; Nov. 20.
- Sear mechanism for guns. F. K. Howard. 1,949,418; Mar. 6.
- Searchlight. F. A. Benford. 1,983,337; Dec. 4.
- Searchlight for exploring the sky. M. Ferrero and E. Salani. 1,972,928; Sept. 11.
- Seat: See—
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| Adjustable seat. | Shovel seat. |
| Audience seat. | Slidable seat. |
| Automobile seat. | Spring seat. |
| Automobile spring seat. | Spring suspension seat. |
| Cane seat. | Stadium seat. |
| Car seat. | Swing seat. |
| Chair seat. | Theater seat. |
| Child's seat. | Toilet seat. |
| Child's toilet seat. | Transportation seat. |
| Collapsible seat. | Universal seat. |
| Convertible seat. | Valve seat. |
| Inlaid toilet seat. | Vehicle seat. |
| Reel seat. | Window seat. |
| Saddle seat. | Window washer's seat. |
| Safety window seat. | |
- Seat. S. and N. J. Kroll. Des. 93,774; Nov. 6.
- Seat accessory, Folding. R. K. Merrill. 1,958,061; May 8.
- Seat adjuster. E. G. Simpson, A. C. Andersen, and S. E. Skinner. 1,962,789; June 12.
- Seat and back for folding chairs. B. Deland. 1,966,812; July 17.
- Seat and bed, Automobile combined. W. T. McCoy. 1,977,520; Oct. 16.
- Seat and bed, Convertible. D. J. Russo. 1,982,930; Dec. 4.
- Seat and berth construction. D. E. Austin. 1,976,320; Oct. 9.
- Seat and latrine cover, Combination toilet. F. L. Lundin. 1,954,139; Apr. 10.
- Seat attachment for dental chairs and the like. B. J. Martin. 1,941,907; Jan. 2.
- Seat attachment for tricycles, Rumble. G. G. O'Connor. 1,965,929; July 10.
- Seat backs, Adjustment for. F. W. Wood. 1,970,480; Aug. 14.
- Seat construction. A. G. Herreshoff. 1,970,800; Aug. 21.
- Seat construction, Reversible rumble. M. J. Rope. 1,962,528; June 12.
- Seat construction. Upholstered. W. S. Saunders. 1,951,674; Mar. 20.
- Seat construction, Vehicle. L. C. Carlton. 1,976,326; Oct. 9.
- Seat control mechanism. A. T. Potter. 1,943,550; Jan. 16.
- Seat cover. E. H. Behrie. 1,964,242; June 26.
- Seat cover. J. F. Schoellkopf. 1,970,820; Aug. 21.
- Seat cover. J. W. Whaley. 1,953,696; Apr. 3.
- Seat cover. E. Wittcoff. 1,946,825; Feb. 13.
- Seat cover forming machine, Toilet. W. Stahly. 1,981,155; Nov. 20.
- Seat cover package. H. Thomasma. 1,978,515; Oct. 30.
- Seat covering device. J. Brueckl. 1,954,376; Apr. 10.
- Seat end standard. G. H. Hamilton. 1,981,316; Nov. 20.
- Seat facer. N. C. Harris and J. Sosoka. 1,962,273; June 12.
- Seat for barber chair, Child's. A. A. and R. F. Mason. 1,942,717; Jan. 9.
- Seat for motor vehicles. A. L. Knapp. 1,957,785; May 8.
- Seat for vehicles, Adjustable. M. P. Browne. 1,979,860; Nov. 6.
- Seat for vehicles and the like, Slidable. A. W. Chapman. 1,969,353; Aug. 7.

- Seat for vehicles, Collapsible. W. F. Feyrer. 1,947,980; Feb. 20.
- Seat hanger. W. A. Gedris. 1,942,752; Jan. 9.
- Seat mechanism, Adjustable. A. W. Chapman. 1,952,744; Mar. 27.
- Seat or chair with one support. A. Lorenz. 1,976,449; Oct. 9.
- Seat or the like, Sway. M. Thum. 1,957,005; May 1.
- Seat support. P. Dahl. 1,977,544; Oct. 16.
- Seat support for tractors. M. Hansen. 1,960,939; May 29.
- Seat top and inclosure, Rumble. M. J. Elias. 1,970,887; Aug. 21.
- Seat top, Rumble. D. G. Roos. 1,955,934; Apr. 24.
- Seat top, Rumble. C. L. Uthas. 1,962,753; June 12.
- Seating arrangement for motor vehicles. W. Morris. 1,965,048; July 3.
- Seating equipment for booths. L. Finn. 1,960,436; May 29.
- Seating ring, Making a. P. Lofgren. 1,960,385; May 29.
- Seating system. T. P. Musgrave. 1,980,497; Nov. 13.
- Seats, Construction of rubber and spring. B. S. Davies and B. Wrigley. 1,978,343; Oct. 23.
- Secret communication, Establishing. F. Wrede. 1,945,014; Jan. 30.
- Secretary. P. Bellavia. 1,943,282; Jan. 16.
- Secretary. F. M. McClure. Des. 91,298; Jan. 2.
- Sectional cable clamp. C. W. and J. T. Kemper. 1,950,893; Mar. 13.
- Sectional game board. B. Ekblom. 1,955,795; Apr. 24.
- Sectional inflating device. A. E. Simonson. 1,951,998; Mar. 20.
- Sectional structure. C. M. Davies. 1,960,001; May 22.
- Sections having transverse ribs, Apparatus for rolling. H. Seiferth. 1,967,787; July 24.
- Securing door boards and the like. F. W. Cherry. 1,968,798; July 31.
- Securing means for holding electric light bulbs in sockets. R. O. Kretschmar. 1,958,344; May 8.
- Securing means for removable barrel heads. F. E. Baker, F. Dvorak, and H. L. Mueller. 1,974,201; Sept. 18.
- Securing means for weather strips. L. A. Macklanburg. 1,947,350; Feb. 13.
- Securing member for building construction units. G. F. Kotrbaty. 1,965,601; July 10.
- Securing members together. L. Melind. 1,949,171; Feb. 27.
- Security bag. M. C. White and G. W. Brown. 1,951,382; Mar. 20.
- Security lock. E. Schmidt. 1,960,032; May 22.
- Sedative compound. E. H. Volwiler and D. L. Taberna. 1,969,828; Aug. 14.
- Sediment out of hot water heating circuits, Automatic means of cleaning the. C. A. Johnson. 1,974,816; Sept. 25.
- Sediment tester for milk. C. L. Featherstone. 1,963,080; June 19.
- Sedimentation apparatus and skimmer therefor. W. C. Weber and A. M. Kivari. 1,957,185; May 1.
- Seed cleaner. E. A. Good. 1,980,517; Nov. 13.
- Seed cotton cleaning and hulling machine. J. C. Conrad. 1,963,260; June 19.
- Seed drill stand. A. E. McKenzie. 1,950,991; Mar. 13.
- Seed drill. H. M. Leake. 1,979,948; Nov. 6.
- Seed immunizing medium. W. Schepss, W. Bonrath, and K. Taube. 1,969,857; Aug. 14.
- Seed mixing machine. F. W. Gerstandt. 1,948,231; Feb. 20.
- Seed package and display means therefor. F. D. Scandling and R. L. Van de Vate. 1,984,434; Dec. 18.
- Seed potato cutter. R. W. Taylor. 1,946,648; Feb. 13.
- Seed product and making same. V. E. Pratt. 1,971,504; Aug. 28.
- Seed products, Treating fat and oil-bearing. G. P. Tusaud. 1,980,838; Nov. 13.
- Seed treating machine. G. E. Johnson. 1,973,812; Sept. 18.
- Seeds, Apparatus for treating. J. G. Brown and R. B. Streets. 1,960,692; May 29.
- Seeds for sowing, Treatment of. J. Müller. 1,962,996; June 12.
- Seeds, Treating. E. Brandus. 1,970,163; Aug. 14.
- Seeds with a nutrient salt solution, Treating. P. Spangenberg. 1,950,701; Mar. 13.
- Seepage joint. E. W. N. Boosey. 1,941,537; Jan. 2.
- Seepage protector for masonry buildings. A. Cheney. 1,984,251; Dec. 11.
- Seesaw. H. F. Husted. 1,978,264; Oct. 23.
- Seesaw and roundabout, Combination. E. E. Tafe. Des. 92,503; June 12.
- See-saw swing. W. Booth. 1,941,824; Jan. 2.
- Segment locator for bifocal lenses. E. M. Long. 1,977,446; Oct. 16.
- Segregation eliminator. R. A. Blunt. 1,977,300; Oct. 16.
- Seismic waves, Creating artificial. O. E. Dudley and C. Lucid. 1,943,725; Jan. 16.
- Selecting and distributing system for radio reception, Automatic. R. L. Houston. 1,983,759; Dec. 11.
- Selecting system. J. E. Gardner. 1,952,368-9; Mar. 27.
- Selecting system. J. E. Gardner. 1,982,290; Nov. 27.
- Selecting system. H. E. Hershey. 1,960,781; May 29.
- Selective agent for mineral recovery. G. D. Kratz. 1,970,701; Aug. 21.
- Selective tripping and grounding, System of. W. R. Talliaferro. 1,962,369; June 12.
- Selector. H. M. Friendly. 1,945,465; Jan. 30.
- Selector. A. H. Reiber. Re19,321; Sept. 18.
- Selector. P. S. Shield. 1,960,515; May 29.
- Selector or translating device. C. A. Turner. 1,966,876; July 17.
- Selector switch. R. Rummelt. 1,984,703; Dec. 18.
- Selector system for radio receiving apparatus. L. L. Jones. 1,970,315; Aug. 14.
- Selector valve. A. J. Granberg. 1,977,337; Oct. 16.
- Selenium, Recovery of. O. C. Ralston and L. Klein. 1,945,074; Jan. 30.
- Seleno-anthraquinone compounds and preparing the same. M. A. Perkins and O. M. Bishop. 1,983,561; Dec. 11.
- Self cleaning continuous filter. F. G. Henry. 1,966,626; July 17.
- Self-cleaning device for adjustment screws. L. L. Chong. 1,946,931; Feb. 13.
- Self-closing tube. R. S. Manzardo. 1,979,166; Oct. 30.
- Self-closing valve. A. V. Nielsen. 1,941,711; Jan. 2.
- Self-contained opening die. H. J. Smith and G. H. Wilkins. 1,951,581; Mar. 20.
- Self driving post. J. L. Hench. 1,943,018; Jan. 9.
- Self-energizing brake. A. D. Pentz. 1,953,258; Apr. 3.
- Self-grinding valve. O. J. Ostlund. 1,977,892; Oct. 23.
- Self grinding valve. A. F. Ruthven. 1,971,659; Aug. 28.
- Self heating tool. M. Suess. 1,954,503; Apr. 10.
- Self-locking clutch, Hand driven. G. E. Geise. 1,983,284; Dec. 4.
- Self-locking device. A. L. Wertz. 1,950,368; Mar. 6.
- Self-lubricating bearing. L. A. Watts. 1,977,959; Oct. 23.
- Self-lubricating valve. J. M. LeDuc. 1,942,031; Jan. 2.
- Self-luminous device. J. A. Kelly. 1,948,718; Feb. 27.
- Self-opening clutch. W. de Back. 1,985,242; Dec. 25.
- Self-photographing apparatus. L. G. Simjian. 1,963,176; June 19.
- Self-releasing clutch. C. Roux and L. E. Clémencet. 1,952,286; Mar. 27.
- Self-sealing paste tube. H. C. Anderson. 1,980,607; Nov. 13.
- Self-sealing tube. M. M. L. Burrell. 1,951,544; Mar. 20.
- Self-sealing tube. P. C. Wiegand. 1,941,520; Jan. 2.
- Self-supporting structures, Construction of. A. J. Barzaghi. 1,959,653; May 22.
- Selva trimming device. F. Pate. 1,971,232; Aug. 21.
- Selva trimming machine. F. R. Piper. 1,981,191; Nov. 20.
- Selvedge printing machine for printing trade-marks on cloth and the like. G. and C. L. Durrant. 1,942,749; Jan. 9.
- Semifluid and fluid evacuation, Apparatus for. T. F. Calahan. 1,985,401; Dec. 25.
- Semitrailer. G. W. Behler. 1,950,589; Mar. 13.
- Semitrailer. C. Erskine. 1,941,669; Jan. 2.
- Semitrailer. L. M. Francis, E. W. Jeffers, and W. A. Fader. 1,949,156; Feb. 27.
- Semitrailer. D. E. Hennessy. 1,982,052; Nov. 27.
- Semitrailer. R. B. Jones and J. J. Black. 1,982,613; Nov. 27.
- Semitrailer. S. B. Winn. 1,944,773-4; Jan. 23.
- Semitrailer. S. B. Winn. 1,962,266; June 12.
- Sender testing system. O. Myers. 1,958,635; May 15.
- Sensitivity control for radio receiving systems. H. J. J. M. D. De Bellesize. 1,984,400; Dec. 18.
- Sensitized surfaces, Printing. A. Irvine. 1,967,057; July 17.
- Sensitizing of bleaching-out layers. B. Wendt and A. Fröhlich. 1,955,898; Apr. 24.
- Sensitizing of photographic emulsions. P. Goldacker. 1,982,987; Dec. 4.
- Separable fastener. J. B. Freysinger. 1,957,257-8; May 1.
- Separable fastener. G. A. Holmes. 1,956,029; Apr. 24.
- Separable fastener. F. G. Manson. 1,984,378; Dec. 18.
- Separable fastener. S. H. Norton and P. Nedal. 1,966,457; July 17.
- Separable fastener. G. Sundback. 1,959,318; May 15.
- Separable fastener. G. Sundback. 1,967,137; July 17.
- Separable fastener. G. Sundback and G. Dahlin. 1,966,468; July 17.
- Separable fastener, Self-adjusting. P. E. Fenton. 1,965,115; July 3.
- Separable fastener slider. N. J. Poux. 1,969,672; Aug. 7.
- Separable plug. A. F. Hopkins Jr. 1,957,778; May 8.
- Separating a single cylindrical article from a quantity of such articles, Apparatus for. J. M. van der Poel. 1,958,254; May 8.
- Separating and extracting apparatus. H. B. Ross. 1,972,495; Sept. 4.
- Separating and purifying means for the sealing liquid of waterless gas holders. K. Jagschitz. 1,956,352; Apr. 24.
- Separating apparatus. A. J. Weinig. 1,948,606; Feb. 27.
- Separating system. H. Kreisinger. 1,949,279; Feb. 27.
- Separator: See—
- | | |
|----------------------------|------------------------------|
| Air and dust separator. | Gas separator. |
| Air separator. | Gold separator. |
| Bar separator. | Grain separator. |
| Bowl separator. | High pressure separator. |
| Centrifugal separator. | Liquid and gas separator. |
| Condensing separator. | Liquid separator. |
| Centrifugal ore separator. | Magnetic separator. |
| Cotton separator. | Mineral separator. |
| Cream separator. | Multiple coin separator. |
| Dust separator. | Ore separator. |
| Electrical separator. | Portable magnetic separator. |
| Gas and fluid separator. | Rotary separator. |
| Gas and liquid separator. | |

- Separator: See—
 Screen separator.
 Siphon gravity separator. Steam separator.
 Sludge separator. Storage battery separator.
 Steam and water separator. Sulphur separator.
- Separator. N. H. Andrews and W. J. Willoughby. 1,953,058; Apr. 3.
 Separator. T. C. Bieth. 1,953,948; Apr. 10.
 Separator. C. G. Hawley. 1,981,549; Nov. 20.
 Separator. A. Kubr. 1,963,469; June 19.
 Separator. A. McLellan. 1,976,856; Oct. 16.
 Separator. A. L. Smith. 1,975,335; Oct. 2.
 Separator. J. G. Sniffin. 1,979,500; Nov. 6.
 Separator. S. G. Sylvan. 1,941,449; Jan. 2.
 Separator. J. W. Winter. 1,962,631; June 12.
 Separator for accumulators. E. T. Williams and H. Salmon. 1,972,433; Sept. 4.
 Separator for manifolding material. J. Q. Sherman. 1,959,968; May 22.
 Separator for storage batteries. G. N. Goodrich. 1,982,095; Nov. 27.
 Separator or classifier for ore pulp and the like. D. MacLean. 1,969,619; Aug. 7.
 Separator tank for oil field emulsions, Heated. W. G. McMurray. 1,946,229; Feb. 6.
 Separators, Method of and apparatus for making battery plate. J. R. Silver, jr. 1,948,081; Feb. 20.
 Septum separator and method. Wetted. M. E. Garrison and W. F. Van Loenen. 1,947,709; Feb. 20.
 Series and parallel switch. J. J. MacGregor. 1,955,756; Apr. 24.
 Series boiler. J. Fletcher. 1,975,096; Oct. 2.
 Series glow-plug. H. F. Payne and G. M. Paulson. 1,950,457; Mar. 13.
 Series lighting system. E. G. Dorgelo and A. Linnemans. 1,970,519; Aug. 14.
 Serum and method of use. Distemper. G. W. Little. 1,967,476; July 24.
 Serval. E. R. Boruff. 1,984,821; Dec. 18.
 Server. Liquid refreshment. G. E. Wehrenberg. Des. 91,286; Jan. 2.
 Server, Measuring sugar. W. Croft. 1,969,780; Aug. 14.
 Server, Sanitary automatic. E. P. Durand. 1,964,623; June 26.
 Service bar back counter. S. Marx. Des. 93,728; Oct. 30.
 Service bar back counter. S. Marx and G. W. Behrel. Des. 93,729; Oct. 30.
 Service box for electric circuit installations. M. J. Lewis. 1,964,763; July 3.
 Service device. H. G. Zoia. 1,948,778; Feb. 27.
 Service disconnecter, Automatic. R. O. Hamill. 1,957,498; May 8.
 Service hanger. V. J. Hultquist. 1,982,166; Nov. 27.
 Service resumption mechanism. G. B. Shawn and L. E. Bovee. 1,956,136; Apr. 24.
 Service station. H. O. Alden. Des. 91,291; Jan. 2.
 Service station. E. M. Northman. Des. 92,883-4; Nov. 20.
 Service station. G. L. Rosebrook. Des. 91,332-3; Jan. 9.
 Service station. R. Smith, jr. Des. 93,797; Nov. 6.
 Service station. F. C. Van Dusen. Des. 91,913; Apr. 3.
 Service station building or the like. C. A. Urbanek. Des. 93,308; Sept. 11.
 Service station for motor cars. R. J. Odman. Des. 92,195; May 8.
 Service station island or the like. J. M. Arthur and C. A. Urbanek. Des. 92,692; July 10.
 Service valve. O. K. Entriiken. 1,960,144; May 22.
 Serving machine. W. W. Bardslev. 1,943,716; Jan. 16.
 Serving table. W. O. Brown. Des. 92,942; Aug. 7.
 Serving table. E. J. Schwabe. 1,963,594; June 19.
 Servo clutch. C. M. Eason. 1,974,390; Sept. 18.
 Servo mechanism. H. Perrot. 1,964,531; June 26.
 Servo-motor. E. J. McIlvried and J. C. Bittman. 1,943,029; Jan. 9.
 Servomotor. G. P. Piganeau. 1,950,950; Mar. 13.
 Set of toilet article receptacles and container therefor, Combined. F. R. Tourtois. Des. 92,782; July 10.
 Set. Saw. N. L. Thrasher. 1,966,364; July 10.
 Settee. F. and A. Mastrangelo. Des. 93,782-3; Nov. 6.
 Settee and bed, Convertible. F. Hampton. 1,981,143; Nov. 20.
 Setting for the objective of photographic cameras. O. Barnack. 1,951,264; Mar. 13.
 Setting tool. J. H. Howard. 1,947,262; Feb. 13.
 Settings for the objectives of photographic cameras. O. Barnack. 1,960,044; May 22.
 Settler. W. A. Gilchrist. 1,960,904; May 29.
 Settling apparatus. E. E. Easterday. 1,972,584; Sept. 4.
 Settling apparatus. J. M. Mitchell. 1,957,898; May 8.
 Settling apparatus. J. M. Mitchell. 1,979,168-9; Oct. 30.
 Severing apparatus. J. E. Lodge. 1,955,004; Apr. 17.
 Severing mechanism for glass feeders. G. R. Haub. 1,959,672; May 22.
 Sewage aerator. F. A. Downes. 1,985,854; Dec. 25.
 Sewage and the like, Disposal of. C. G. Hawley. 1,955,065; Apr. 17.
 Sewage and the like, Treatment of. C. N. Windecker. 1,968,114; July 31.
 Sewage, Apparatus for disposing of. S. S. Crawford. 1,950,841; Mar. 13.
 Sewage disposal. C. L. Riley. 1,949,181; Feb. 27.
 Sewage disposal apparatus. M. B. Tark. Re19,146; Apr. 24.
 Sewage disposal plant. M. J. Mullin. 1,985,738; Dec. 25.
 Sewage distributor, Rectangular. J. A. and C. J. Hartley. 1,953,223; Apr. 3.
 Sewage grit treatment. G. G. Hyde. 1,957,168; May 1.
 Sewage, Method and apparatus for the disposal of. C. E. Lyon. 1,956,463; Apr. 24.
 Sewage, Method and apparatus for treating. W. C. Laughlin and A. B. Asch. 1,975,109; Oct. 2.
 Sewage purification. A. Girard. 1,975,638; Oct. 2.
 Sewage sludge, Digestion of. A. J. Fischer. 1,982,246; Nov. 27.
 Sewage sludge, Handling. W. S. Shields. 1,979,647; Nov. 6.
 Sewage stabilization apparatus and process for outfall sewers. C. H. Currie. 1,963,354; June 19.
 Sewage, System for handling. C. H. Nordell. 1,982,266; Nov. 27.
 Sewage, Treating. G. H. Gleason and A. C. Loonam. 1,956,420; Apr. 24.
 Sewage, Treating. C. T. Henderson and C. C. Kennedy. 1,973,168; Sept. 11.
 Sewage treating apparatus. F. S. Currie. 1,962,430; June 12.
 Sewage treatment. E. B. Besselleve. 1,967,197; July 17.
 Sewage treatment. H. Heukelekian. 1,963,581; June 19.
 Sewage treatment apparatus. D. C. Scott. 1,971,796; Aug. 28.
 Sewer cleaning device, Root cutting. C. M. Jones. 1,972,402; Sept. 4.
 Sewer flushing apparatus. H. Wirz, jr., and C. F. Hlavaty. 1,951,463; Mar. 20.
 Sewer for sand. G. W. Richards. 1,943,188; Jan. 9.
 Sewer or drain. J. H. Rafferty. 1,966,996; July 17.
 Sewer pipe construction. S. Best. 1,968,734; July 31.
 Sewer pipe joint. A. C. Fischer. 1,971,100; Aug. 21.
 Sewer rod. F. J. Pardieck. 1,978,957; Oct. 30.
 Sewer rod booster. E. J. Brooks. 1,983,790; Dec. 11.
 Sewer trap. R. T. Morrison and R. J. Croft. 1,943,690; Jan. 16.
 Sewer's article. I. M. Oldham. 1,962,325; June 12.
 Sewing apparatus. C. H. Bynum. 1,973,370; Sept. 11.
 Sewing and darning machine. C. R. Spencer. 1,955,689; Apr. 17.
 Sewing machine. F. Ashworth. 1,950,386; Mar. 13.
 Sewing machine. F. Ashworth. 1,975,914; Oct. 9.
 Sewing machine. A. H. W., and C. W. Birch. 1,950,913; Mar. 13.
 Sewing machine. E. E. Boyce. 1,963,348-9; June 19.
 Sewing machine. E. E. Boyce. 1,984,332; Dec. 11.
 Sewing machine. N. V. Christensen and H. J. Le Vesconte. 1,973,608; Sept. 11.
 Sewing machine. A. B. Clayton. 1,945,478; Jan. 30.
 Sewing machine. C. E. Colegrove. Des. 93,091; Aug. 21.
 Sewing machine. T. H. De Spain. 1,970,994; Aug. 21.
 Sewing machine. A. H. De Voe. 1,943,301; Jan. 16.
 Sewing machine. A. B. Fowler. 1,967,612; July 24.
 Sewing machine. H. F. Gruman. 1,941,743; Jan. 2.
 Sewing machine. H. F. Gruman and C. L. Knower. 1,949,073; Feb. 27.
 Sewing machine. F. B. Keall. 1,941,942; Jan. 2.
 Sewing machine. F. Keall and H. E. Elliott. 1,941,943; Jan. 2.
 Sewing machine. B. T. Leveque. 1,954,821; Apr. 17.
 Sewing machine. H. J. Le Vesconte. 1,973,639; Sept. 11.
 Sewing machine. W. Lockenvitz. 1,980,278; Nov. 13.
 Sewing machine. T. Lund. 1,958,543; May 15.
 Sewing machine. F. J. McAviney. 1,974,749; Sept. 25.
 Sewing machine. W. J. Moran. 1,975,728; Oct. 2.
 Sewing machine. A. R. Morrill. 1,971,575; Aug. 28.
 Sewing machine. C. W. Mueller. 1,954,299; Apr. 10.
 Sewing machine. H. B. Newhall. 1,952,772; Mar. 27.
 Sewing machine. J. R. Oliver. 1,950,564; Mar. 13.
 Sewing machine. K. Pfaff. 1,978,281; Oct. 23.
 Sewing machine. B. Prazak. 1,966,519; July 17.
 Sewing machine. F. Ricks. 1,977,355; Oct. 16.
 Sewing machine. F. Ricks and H. B. Allcock. 1,950,570; Mar. 13.
 Sewing machine. J. G. Russell. 1,947,436; Feb. 13.
 Sewing machine. C. C. and W. G. Story. 1,978,917; Oct. 30.
 Sewing machine. E. R. Thompson. 1,976,755; Oct. 16.
 Sewing machine. J. M. Washburn. 1,941,452; Jan. 2.
 Sewing machine. I. F. Webb. 1,960,721; May 29.
 Sewing machine. J. P. Weis. 1,975,813; Oct. 9.
 Sewing machine. F. F. Zeier. 1,950,336; Mar. 6.
 Sewing-machine attachment. O. Gosman. 1,941,858; Jan. 2.
 Sewing machine attachment. C. Seaman. 1,969,950; Aug. 14.
 Sewing machine, Automatic. H. Perlesz. 1,980,001; Nov. 6.
 Sewing machine, Bag corner. F. Ricks. 1,949,548; Mar. 6.
 Sewing machine, Blind stitch. C. W. Mueller. 1,984,754-5; Dec. 18.
 Sewing machine, Button. A. F. Fifeid. 1,985,366; Dec. 25.
 Sewing machine, Buttonhole. J. Pikul. 1,941,620; Jan. 2.
 Sewing machine, Buttonhole. J. H. Pikul. 1,981,119; Nov. 20.
 Sewing machine cabinet. N. Windsor. Des. 92,330; May 22.
 Sewing machine, Chain stitch. N. V. Christensen and F. F. Zeier. 1,952,534; Mar. 27.
 Sewing machine, Curved needle chain stitch. J. V. Poole. 1,955,974; Apr. 24.
 Sewing machine driving mechanism. J. R. Oliver. 1,950,565; Mar. 13.

- Sewing machine, Electric. H. J. Goosman. Des. 91,816; Mar. 27.
- Sewing machine, Electric. H. J. Goosman. 1,975,744; Oct. 2.
- Sewing machine for closing paper bags and the like. R. N. Cundall. 1,963,652; June 19.
- Sewing machine for making French seams. C. Seaman. 1,949,762; Mar. 6.
- Sewing machine for stitching over fastener means. L. Roseman. 1,942,903; Jan. 9.
- Sewing machine for stitching waist bands or the like to a body fabric. G. C. Cooper and J. Mann. 1,959,708; May 22.
- Sewing machine guide. J. Polikoff and G. Longo. 1,954,746; Apr. 10.
- Sewing machine head. R. F. List. Des. 93,667; Oct. 23.
- Sewing machine looper mechanism. J. R. Oliver. 1,950,566; Mar. 13.
- Sewing machine motor controller. D. H. Chason. 1,949,826; Mar. 6.
- Sewing machine, Multineedle. G. A. Boettcher. 1,948,876; Feb. 27.
- Sewing machine, Multiple needle. E. E. Boyce. 1,984,330; Dec. 11.
- Sewing machine outfit, Tandem. I. F. Webb. 1,980,603; Nov. 13.
- Sewing machine, Piece-end. I. F. Webb. 1,983,258; Dec. 4.
- Sewing machine, Shoe. L. E. Topham. 1,949,768; Mar. 6.
- Sewing machine, Shoe. L. E. Topham. 1,951,179; Mar. 13.
- Sewing machine, Single thread. M. McCann. 1,941,481; Jan. 2.
- Sewing machine take-up mechanism. J. R. Oliver. 1,984,279; Dec. 11.
- Sewing machine thread-guide. A. H. De Vow. 1,952,912; Mar. 27.
- Sewing machine, Thread guide for. E. F. Bartling. 1,956,338; Apr. 24.
- Sewing machine, Upholstery. F. N. Ross and H. L. Johnson. 1,952,887; Mar. 27.
- Sewing machine, Welt. J. R. Oliver. 1,951,369-70; Mar. 20.
- Sewing machines, Attachment for. J. D. Karle. 1,953,016; Mar. 27.
- Sewing machines, Binder support for. G. Sauer. 1,949,332; Feb. 27.
- Sewing machines, Blind stitch. C. W. Mueller. 1,947,950; Feb. 20.
- Sewing machines, Combined looper and loop cutting attachment for. W. C. Stewart. 1,984,772; Dec. 18.
- Sewing machines, Control mechanism for multiple needle. E. E. Boyce. 1,984,331; Dec. 11.
- Sewing machines, Cotton stand for. M. A. Sciuillo. 1,955,659; Apr. 17.
- Sewing machines, Darning foot for. W. L. Barron. 1,943,254; Jan. 9.
- Sewing machines, Electric drive for household. M. Schwab and H. Neufeld. 1,962,880; June 12.
- Sewing machines, Fabric guiding means for. A. S. Riviere. 1,946,359; Feb. 6.
- Sewing machines, Feeding mechanism for. N. V. Christensen and F. F. Zeier. 1,947,380; Feb. 13.
- Sewing machines, Feeding mechanism for. G. C. Cooper and J. Mann. 1,959,707; May 22.
- Sewing machines, Feeding mechanism for. N. Knaus. 1,959,719; May 22.
- Sewing machines, Feeding mechanism for. F. F. Zeier. 1,950,337; Mar. 6.
- Sewing machines, Feed-wheel stop for buttonhole. A. R. Wood. 1,955,994; Apr. 24.
- Sewing machines, Folder mounting for. F. A. Kucera. 1,984,587; Dec. 18.
- Sewing machines, Knee-control mechanism for electric. D. H. Chason. 1,947,827; Feb. 20.
- Sewing machines, Looper-thread controlling mechanism for. P. A. Herr. 1,943,669; Jan. 16.
- Sewing machines, Needle-stripper foot for. M. Hemleb. 1,981,837; Nov. 20.
- Sewing machines, Pinking attachment for. V. J. Sigoda. 1,944,580; Jan. 23.
- Sewing machines, Pinking device for. V. J. Sigoda. 1,973,888; Sept. 18.
- Sewing machines, Plaiting attachment for. H. Robbins. 1,985,106; Dec. 18.
- Sewing machines, Presserfoot for. F. M. Card. 1,958,233; May 8.
- Sewing machines, Presser foot for. C. F. Rubel. 1,984,286; Dec. 11.
- Sewing machines, Presser foot for. N. V. Christensen, H. J. Le Vesconte, and C. F. Rubel. 1,952,535; Mar. 27.
- Sewing machines, Pull-off mechanism for. E. B. Allen and M. D. Knox. 1,983,263; Dec. 4.
- Sewing machines, Rotary hook for. W. Myers. 1,970,428; Aug. 14.
- Sewing machines, Rotary hook mechanism for. M. L. Waterman. 1,965,398; July 3.
- Sewing machines, Rotary take-up for. A. B. Clayton. 1,947,333; Feb. 13.
- Sewing machines, Ruffling mechanism for. A. B. Clayton. 1,957,406; May 1.
- Sewing machines, Rug-binding attachment for. R. J. Sailer. 1,946,241; Feb. 6.
- Sewing machines, Spool stand for. F. F. Zeier. 1,957,125; May 1.
- Sewing machines, Spring darning attachment for. A. Althoff. 1,950,076; Mar. 6.
- Sewing machines, Stitch forming mechanism for buttonhole. E. B. Allen and M. D. Knox. 1,966,432; July 17.
- Sewing machines, Suspended resilient mounting for. C. F. Rubel. 1,943,189; Jan. 9.
- Sewing machines, Take-up mechanism for. G. A. Fleckenstein. 1,955,580; Apr. 17.
- Sewing machines, Thread-controlling mechanism for. E. B. Allen and M. D. Knox. 1,966,433; July 17.
- Sewing machines, Thread cutter device for. J. Gouldbourn. 1,985,605; Dec. 25.
- Sewing machines, Thread-handling mechanism for. R. J. Sailer. 1,960,924; May 29.
- Sewing machines, Top feed mechanism for blind stitch. C. W. Mueller. 1,984,593; Dec. 18.
- Sewing machines, Top feeding mechanism for. H. F. Gruman. 1,958,337; May 8.
- Sewing machines, Trimmer mechanism for. F. M. Card. 1,944,543; Jan. 23.
- Sewing machines, Tufting attachment for. W. F. Schmiedel. 1,981,252; Nov. 20.
- Sewing machines, Uncurler guide for. J. Mann. 1,959,726; May 22.
- Sewing machines, Work-clamp for buttonhole. A. R. Wood. 1,971,363; Aug. 28.
- Sewing machines, Work-guiding and trimming device for. F. M. Card. 1,963,933; June 19.
- Sewing machines, Work-guiding device for. J. E. Ackerman. 1,957,403; May 1.
- Sewing machines, Workholder for. A. Rosenthal. 1,966,870; July 17.
- Sewing machines, Work-holder for article. J. L. Moore. 1,978,351; Oct. 23.
- Sewing machines, Work supporting means for. C. A. Dearborn. 1,964,381; June 26.
- Sewing mechanism for quilts and the like. W. H. May. 1,946,868; Feb. 13.
- Sextant, Gyro. S. B. MacFarlane and R. E. Jaspersen. 1,964,737; July 3.
- Shackle. R. H. Chilton. 1,945,595; Feb. 6.
- Shackle, Automobile. A. J. Borst, jr. 1,952,115; Mar. 27.
- Shackle device. R. W. Juengst. 1,977,852; Oct. 23.
- Shackle mechanism. O. U. Zerk. 1,947,146; Feb. 13.
- Shackle mechanism. O. U. Zerk. 1,985,708-9; Dec. 25.
- Shackle shock absorber for automobiles. A. J. Borst, jr. 1,971,676; Aug. 28.
- Shade adjustment fixture, Window. C. Gardner. 1,954,076; Apr. 10.
- Shade bracket. S. Benjinsohn. 1,969,443; Aug. 7.
- Shade bracket. T. Kneavel. 1,952,808; Mar. 27.
- Shade bracket. D. J. O'Brien. 1,982,532; Nov. 27.
- Shade, Combined window and sun. A. Seregi. 1,958,074; May 8.
- Shade, curtain, and drapery holder. M. Gendich. 1,980,050; Nov. 6.
- Shade, curtain, and drapery holder, Window. L. V. Hank. 1,956,504; Apr. 24.
- Shade eyelet machine, Automatic window. G. T. Biggs. 1,954,374; Apr. 10.
- Shade, Eye glass. F. S. Lee. Des. 94,150; Dec. 25.
- Shade, Folding sun. A. Seregi. 1,965,262; July 3.
- Shade for lighting fixtures. L. C. Doane and H. H. Wolter. 1,975,197; Oct. 2.
- Shade holder. G. C. Lynch. 1,974,077; Sept. 18.
- Shade holder and guide, Combination safety. H. A. Schmidt. 1,968,428; July 31.
- Shade inspecting machine. B. Cooper. 1,960,231; May 29.
- Shade, Lamp. O. W. and C. H. Johnson. Des. 92,538; June 19.
- Shade, Lamp. M. A. Kremer. Des. 91,888; Apr. 3.
- Shade, Lamp. C. F. Lamont. Des. 92,260; May 15.
- Shade, Lamp. M. Moss. Des. 92,545; June 19.
- Shade, Lamp. H. C. Noe. Des. 92,622; June 26.
- Shade, Lamp. R. C. Pierce. 1,943,928; Jan. 16.
- Shade, Lamp. D. J. Rezofofsky. 1,955,684; Apr. 17.
- Shade, Lamp. E. Schwarz. Des. 91,440-2; Jan. 30.
- Shade, Lamp. E. Schwarz. Des. 91,471; Feb. 6.
- Shade, Lamp. E. Schwarz. Des. 91,791-2; Mar. 20.
- Shade, Lamp. E. Schwarz. Des. 92,429-31; June 5.
- Shade, Lamp. E. Schwarz. Des. 93,740-9; Oct. 30.
- Shade, Lamp. A. F. Wakefield. Des. 92,507; June 12.
- Shade making table, Window. D. W. Kluen. 1,955,637; Apr. 17.
- Shade operating device for automobiles. R. Merkl. 1,973,382; Sept. 11.
- Shade operating device for motor vehicles. W. R. Kunz. 1,952,992; Mar. 27.
- Shade operating mechanism, Window. G. A. Timko. 1,983,583; Dec. 11.
- Shade-pull. J. R. Huhtsing. Des. 92,601; June 26.
- Shade raising device, Window. W. S. Pickett. 1,985,105; Dec. 18.
- Shade repair means, Window. E. Blackwell. 1,945,106; Jan. 30.
- Shade, Roll. H. H. Collins. 1,949,356; Feb. 27.
- Shade roller. F. J. Burns. Re19,126; Apr. 3.
- Shade, Roller. H. H. Koller and W. G. Dery. 1,976,884; Oct. 16.
- Shade roller. H. W. Watts. 1,942,787; Jan. 9.
- Shade slat, Window. C. E. Kopfstein. 1,943,896; Jan. 16.
- Shade supporting structure. W. W. Morey. 1,962,403; June 12.

- Shade, Vehicle window. A. J. Miller, jr. 1,955,466; Apr. 17.
- Shade, Ventilating window. J. Picco. 1,983,046; Dec. 4.
- Shade, Window. C. D. Carver. 1,956,116; Apr. 24.
- Shade, Window. D. W. Klau. Des. 92,612-13; June 26.
- Shade, Window. S. E. Snyder. 1,948,432; Feb. 20.
- Shaded-pole induction motor. J. J. Gough. 1,943,270; Jan. 9.
- Shades and other articles and products thereof, Making seamless paper. J. Kernes. 1,975,579; Oct. 2.
- Shadow box. R. E. Fitch. 1,954,869; Apr. 17.
- Shadow projector. J. G. Zimmerman. 1,972,123; Sept. 4.
- Shadowgraph machine. C. C. Bigelow. 1,970,593; Aug. 21.
- Shaft and applying noncorrosive metallic sheathing thereto. L. E. Mylting. 1,942,304; Jan. 2.
- Shaft and lever. A. H. Blattner. 1,950,383; Mar. 13.
- Shaft bearing. B. E. House. 1,950,243; Mar. 6.
- Shaft bearing. F. Hume. 1,972,384; Sept. 4.
- Shaft casing terminal, Flexible. C. Fischer. 1,956,713; May 1.
- Shaft coupling. T. G. Myers. 1,978,814; Oct. 30.
- Shaft coupling device, Detachable. M. Flaherty. 1,951,188; Mar. 13.
- Shaft, Flexible. H. W. Webb. 1,952,301; Mar. 27.
- Shaft for golf clubs. I. H. Meshel. 1,950,342; Mar. 6.
- Shaft guard. G. Sipp. 1,966,740; July 17.
- Shaft rotating means. B. N. Morris. 1,982,395; Nov. 27.
- Shaft rotating means for internal combustion engines. B. N. Morris. 1,982,394; Nov. 27.
- Shaft, Tubular metallic. W. W. Hackett. 1,974,271; Sept. 18.
- Shafting and making the same, Flexible. F. S. Kunej. 1,970,702; Aug. 21.
- Shafting for transmission of power purposes, Dynamic balancing of tubular. J. B. Wintercorn. 1,958,982; May 15.
- Shafts, Device to reverse the rotation of coupled. J. Rembert and C. Salvetti. 1,954,890; Apr. 17.
- Shafts for golf clubs and the like, Making. J. M. Oldham. 1,942,445; Jan. 9.
- Shafts for golf clubs and the like, Making. L. A. Young. 1,942,465; Jan. 9.
- Shafts for golf clubs, Forming. C. Wright. 1,979,430; Nov. 6.
- Shaker. R. C. Cobel. 1,966,611; July 17.
- Shaker. J. D. Kurz. 1,969,486; Aug. 7.
- Shaker and decanter, Combination. E. Kanter. Des. 91,526; Feb. 20.
- Shaker, Beverage. M. W. Lajeunesse. 1,960,640; May 29.
- Shaker, Beverage. M. B. Solomon. 1,954,369; Apr. 10.
- Shaker chute construction. D. U. Rich. 1,962,724; June 12.
- Shaker chute construction. D. U. Rich. 1,978,648; Oct. 30.
- Shaker, Cocktail. H. H. Dulany. 1,967,469; July 24.
- Shaker, Cocktail. C. Honegger. Des. 93,016; Aug. 14.
- Shaker, Cocktail. R. N. Kircher. Des. 93,928; Nov. 27.
- Shaker, Cocktail. G. Smith, jr. Des. 93,428; Sept. 25.
- Shaker, Cocktail. C. E. Swann. Des. 93,693; Oct. 23.
- Shaker, Combined salt and pepper. E. E. Harris. 1,985,498; Dec. 25.
- Shaker or similar article. E. A. Schuelke. Des. 94,098; Dec. 18.
- Shaker, Salt. H. C. Gessler. 1,982,094; Nov. 27.
- Shaker, Salt. W. B. King. 1,970,891; Aug. 21.
- Shaker, top. L. W. Campbell. Des. 94,116; Dec. 25.
- Shaking mechanism for foodrinker machines. F. M. Sanger. 1,946,592; Feb. 13.
- Shaking screen. D. M. Blackburn. 1,979,791; Nov. 6.
- Shallow melting tank. P. G. Willetts. 1,953,034; Mar. 27.
- Shampoo board. D. Waite. 1,966,365; July 10.
- Shampooer. L. E. Moore. 1,964,855; July 3.
- Shank piece and stiffener. C. M. Moore. 1,975,858; Oct. 9.
- Shaped articles, Apparatus for making. C. J. Hettel. 1,979,156; Oct. 30.
- Shaped objects from cellulose derivatives, Manufacture of. M. Hagedorn, E. Guhring, and O. Reichert. 1,980,268; Nov. 13.
- Shaper. F. Kinzbach. 1,980,922; Nov. 13.
- Shaper and power transmitting mechanism therefor. E. R. Llewellyn and G. H. Higgins. 1,958,106; May 8.
- Shaping machine. J. S. Donaldson. 1,971,297; Aug. 21.
- Shaping machine. E. R. Person. 1,969,323; Aug. 7.
- Shaping means. B. E. Gaunt. 1,968,384; July 31.
- Sharpener. G. R. Wood. 1,962,755; June 12.
- Sharpener, Blade. L. S. Copeland, J. W. Rether, and E. E. Schoonover. 1,968,748; July 31.
- Sharpener, Blade. H. T. Minister. 1,960,789; May 29.
- Sharpener cap. W. Barclay. 1,958,461; May 15.
- Sharpener device, Knife. H. G. Winkler. 1,977,418; Oct. 16.
- Sharpener for cutting machines. J. B. Gury. 1,957,776; May 8.
- Sharpener for slicing machines. W. J. Campbell. 1,947,899; Feb. 20.
- Sharpener for slicing machines. C. F. M. van Berkel. 1,943,642; Jan. 16.
- Sharpener for meat slicing machines. W. A. van Berkel. 1,968,663; July 31.
- Sharpener for slicing machines. W. A. van Berkel. 1,968,664; July 31.
- Sharpener, Knife. F. J. Vierling. 1,952,106; Mar. 27.
- Sharpener, Knife. G. R. Wood. 1,944,702; Jan. 23.
- Sharpener, Gramophone needle. A. F. J. Wright. 1,964,337; June 26.
- Sharpener, Lawn mower. M. E. Kistner. 1,955,636; Apr. 17.
- Sharpener, Lawn mower. A. Licht. 1,947,298; Feb. 13.
- Sharpener means, Lawn mower. C. J. Madsen. 1,968,609; July 31.
- Sharpener, Nail clipper. C. P. Murphy. 1,942,565; Jan. 9.
- Sharpener operating means, Razor blade. F. E. Wolcott. 1,970,117; Aug. 14.
- Sharpener, Pencil. C. P. Bohland. 1,941,823; Jan. 2.
- Sharpener, Pencil. R. Loewy. Des. 91,675-6; Mar. 6.
- Sharpener, Pencil. G. A. Smith. 1,978,147; Oct. 23.
- Sharpener, Razor. J. Baumgartner. 1,958,937; May 15.
- Sharpener, Razor blade. J. P. Egan. 1,985,537; Dec. 25.
- Sharpener, Razor blade. L. C. Hobart. 1,974,048; Sept. 18.
- Sharpener, Razor blade. T. L. Hughes. 1,953,559; Apr. 3.
- Sharpener, Razor blade. G. L. Kane. 1,956,683; May 1.
- Sharpener, Razor blade. W. J. Koller. 1,979,271; Nov. 6.
- Sharpener, Razor blade. A. Liermann. 1,960,706; May 29.
- Sharpener, Razor blade. J. J. Ling. 1,957,278; May 1.
- Sharpener, Razor blade. S. A. Love. 1,949,804; Mar. 6.
- Sharpener, Razor blade. C. E. McSwain and C. Smith. 1,954,742; Apr. 10.
- Sharpener, Razor blade. G. H. Murrin. 1,955,759; Apr. 24.
- Sharpener, Razor blade. H. L. Peters. 1,971,876; Aug. 28.
- Sharpener, Razor blade. W. O. Prouty. Des. 91,368; Jan. 16.
- Sharpener, Razor blade. J. A. Royall. Des. 93,048; Aug. 14.
- Sharpener, Razor blade. E. J. Scarlett. 1,984,764; Dec. 18.
- Sharpener, Razor blade. F. E. Wolcott. 1,970,115; Aug. 14.
- Sharpener, Safety razor blade. B. H. Savage. 1,972,954; Sept. 11.
- Sharpener, Safety razor blade. F. E. Wolcott. 1,970,116; Aug. 14.
- Sharpener, Scissors. L. H. Gaw. 1,964,627; June 26.
- Sharpener, Scissors. J. D. Scott. 1,963,422; June 19.
- Sharpener, Shears. C. C. Isaacs. 1,946,625; Feb. 13.
- Sharpener, Slicing machine knife. W. A. Van Berkel. 1,948,811; Feb. 27.
- Sharpener, Stake. W. T. Lane. 1,973,987; Sept. 18.
- Sharpening apparatus. W. A. van Berkel. 1,968,662; July 31.
- Sharpening device. O. E. Gupton. 1,955,366; Apr. 17.
- Sharpening device. I. M. Slepicka. 1,963,563; June 19.
- Sharpening device for edged tools. C. E. Beardsley. 1,972,126; Sept. 4.
- Sharpening device for lawn mowers. W. A. Thomas. 1,962,557; June 12.
- Sharpening machine. R. E. L. Glasgow. 1,967,118; July 17.
- Sharpening roll, Safety razor blade. F. E. Wolcott. 1,970,118; Aug. 14.
- Sharpening stone. S. G. Blake. Des. 91,979; Apr. 17.
- Shaving apparatus, Power operated. L. Scruggs. 1,941,583; Jan. 2.
- Shaving brush mechanism. C. P. O'Keefe and L. R. Mallette. 1,978,757; Oct. 30.
- Shaving device. S. L. Norviel. 1,954,259; Apr. 10.
- Shaving machine. I. Florman. 1,981,787; Nov. 20.
- Shaving receptacle. H. C. Laufe. 1,948,987; Feb. 27.
- Shaving soap stick lather cup. B. F. Johnson. 1,962,092; June 5.
- Sheaf, Spirally-bound. S. Groener. 1,942,026; Jan. 2.
- Shear. L. S. Rosener. 1,975,650; Oct. 2.
- Shear device. T. D. Williams. 1,984,717; Dec. 18.
- Shear driving and feeding mechanism. H. L. Schreck. 1,967,559; July 24.
- Shear, Flying. F. C. Biggert, jr. 1,984,913; Dec. 18.
- Shear, Flying. R. H. Ellis. 1,970,445; Aug. 14.
- Shear, Flying. H. H. Talbot. 1,973,515; Sept. 11.
- Shear guide. R. R. Seft. 1,979,413; Nov. 6.
- Shear mechanism. J. A. Smitmans. 1,951,177; Mar. 13.
- Shear mechanism. J. A. Smitmans. 1,951,177; Mar. 13.
- Shear, Rotary. J. H. Roberts. 1,951,841; Mar. 20.
- Shear, Rotary flying. W. W. MacFarren. 1,965,523; July 3.
- Shear, Rotary flying. J. A. Smitmans. 1,948,139; Feb. 20.
- Shearing apparatus. F. A. Herwehe. 1,951,411; Mar. 20.
- Shearing, Apparatus for. L. Iversen. 1,954,132; Apr. 10.
- Shearing, Apparatus for. L. Iversen. 1,960,814; May 29.
- Shearing device for looms and blades therefor. M. B. Behrman. 1,947,181; Feb. 13.
- Shearing machine. K. Schorn. 1,960,125; May 22.
- Shearing machine and process of shearing. A. T. Yates. 1,952,961; Mar. 27.
- Shearing. Method and apparatus for. L. Iversen. 1,949,717; Mar. 6.
- Shearing. Method and apparatus for. L. Iversen. 1,956,952; May 1.
- Shears. W. H. Bergmann. 1,944,917; Jan. 30.
- Shears. A. P. Boucher. 1,978,833; Oct. 30.
- Shears. A. P. Boucher. 1,984,358; Dec. 18.
- Shears. H. W. Clark. 1,962,636; June 12.
- Shears. A. D. Evans. 1,985,856; Dec. 25.
- Shears, Glass. W. R. Sterrett. 1,953,030; Mar. 27.
- Shears, Grass. F. G. Heumann. 1,943,960; Jan. 16.

- Shears, Grass. E. Karl. 1,973,285; Sept. 11.
 Shears, Hair cutting and thinning. H. Veit. 1,962,264; June 12.
 Shears, Making pinking. F. Wyner and E. Schulz. 1,959,190; May 15.
 Shears, Pinking. C. Weidauer. 1,970,408; Aug. 14.
 Shears, Pinking. F. Wyner and E. Schulz. 1,965,443; July 3.
 Shears, Pruning. J. L. and H. H. Smith. 1,963,564; June 19.
 Shears, Rolling. A. W. Bedell. 1,952,785; Mar. 27.
 Shears sharpening outfit. W. C. Martin. 1,951,554; Mar. 20.
 Shears, Trimming. E. Rose. 1,980,092; Nov. 6.
 Shears with movable nonoperated knives for cutting running material of any required length, Rotating. E. Müller. 1,948,796; Feb. 27.
 Sheath, Flexible. R. K. Winning. 1,960,612; May 29.
 Sheath, Key. A. R. Slade. 1,974,547; Sept. 25.
 Sheath, Razor. V. B. Hueber. 1,957,065; May 1.
 Sheathing and forming same, Corrugated. J. W. Ledebor. 1,944,895; Jan. 30.
 Sheathing for buildings. F. R. Higley. 1,971,411; Aug. 28.
 Sheathing for surfaces and method of applying metal foil, Metallic protecting. H. F. Perkins. 1,944,457; Jan. 23.
 Sheave. R. L. Evenburgh. 1,983,844-5; Dec. 11.
 Sheave. G. H. Weber. 1,980,123; Nov. 6.
 Sheave, Expandable. N. L. Whitten and A. M. Moseley. 1,963,816; June 19.
 Sheave for wire cables. H. B. Greening. 1,944,426; Jan. 23.
 Sheave structure. W. C. Furnas. 1,961,850; June 5.
 Sheet-collating device for typewriters. J. A. B. Smith. 1,959,447; May 22.
 Sheet collecting and folding mechanism for printing presses. H. M. Barber. 1,968,630; July 31.
 Sheet, Corrugated. G. E. Black. 1,982,243; Nov. 27.
 Sheet cutting and printing machine. C. J. Beck. 1,962,128; June 12.
 Sheet delivery device, High speed. D. M. Duncan. 1,950,880; Mar. 13.
 Sheet delivery mechanism. J. R. Blaine. 1,975,764; Oct. 9.
 Sheet delivery mechanism for printing presses. A. Hewitt. 1,974,241; Sept. 18.
 Sheet delivery mechanism for printing presses. F. Spence and R. S. Bartley. 1,952,950; Mar. 27.
 Sheet dispensing device. G. A. Shaffer. 1,975,557; Oct. 2.
 Sheet dividing and compiling machinery. J. E. Sullivan. 1,967,545; July 24.
 Sheet edge crimping apparatus. A. K. Taylor. 1,942,988; Jan. 9.
 Sheet feed for autographic registers, Summary. F. E. Pfeiffer. 1,980,853; Nov. 13.
 Sheet feeder. H. Ehlig. 1,965,957; July 10.
 Sheet feeder. C. J. Mensman and E. D. Rader. 1,948,001; Feb. 20.
 Sheet-feeder and folder. H. Ehlig. 1,961,633; June 5.
 Sheet feeding apparatus. R. Currie. 1,980,983; Nov. 20.
 Sheet feeding apparatus. J. C. Dawson. 1,973,749; Sept. 18.
 Sheet feeding apparatus. M. Liebusch. 1,984,588; Dec. 18.
 Sheet feeding apparatus. J. H. McElroy. 1,984,890; Dec. 18.
 Sheet feeding device. E. J. Brasseur. 1,964,498; June 26.
 Sheet feeding device. R. A. Jones. 1,971,962; Aug. 28.
 Sheet feeding device. J. H. McElroy. 1,966,900; July 17.
 Sheet feeding device. G. Spiess. 1,964,931; July 3.
 Sheet feeding machine. R. Meredith. 1,982,823; Dec. 4.
 Sheet feeding means for rotary printing presses. H. M. Barber. 1,958,030; May 8.
 Sheet feeding mechanism. W. Cameron. 1,959,854; May 22.
 Sheet feeding mechanism. W. F. Huck. 1,944,711; Jan. 23.
 Sheet feeding mechanism. W. P. Shomaker. 1,976,893; Oct. 16.
 Sheet-feeding mechanism. M. H. Sidebotham. 1,956,229; Apr. 24.
 Sheet feeding mechanism. J. Van Buren. 1,950,642; Mar. 13.
 Sheet feeding mechanism in sheet handling machines. O. Kleinschmit. 1,969,931; Aug. 14.
 Sheet-folding machine. P. J. Christman. 1,974,149; Sept. 18.
 Sheet forming device. A. G. Leonard, jr. 1,954,635; Apr. 10.
 Sheet gauging machine. J. T. Nichols. 1,963,310; June 19.
 Sheet handling machine. J. A. Besal and C. E. Ives. 1,958,692; May 15.
 Sheet handling mechanism. A. G. Jacobson. 1,970,235; Aug. 14.
 Sheet handling mechanism. G. C. Kimball. 1,945,905; Feb. 6.
 Sheet handling mechanism for printing presses. R. S. Barber. 1,971,896; Aug. 28.
 Sheet holding frame for photographic use. G. S. Rowell. 1,946,810; Feb. 13.
 Sheet inspection table. R. M. Fenton. 1,980,261; Nov. 13.
 Sheet installation and producing the same, Flexible. G. D. Shaver. 1,942,733; Jan. 9.
 Sheet leveler. J. M. Guthrie. 1,968,389; July 31.
 Sheet leveling mechanism. C. L. Taylor. 1,969,700; Aug. 7.
 Sheet-like material, Method and apparatus for producing. W. S. King. 1,955,503; Apr. 17.
 Sheet material and making the same. N. H. Brewster. 1,978,620; Oct. 30.
 Sheet material and producing it, Colored. W. F. Henderson and L. J. Dixon. 1,959,980; May 22.
 Sheet material, Apparatus for marking. A. L. McMaster. 1,962,253; June 12.
 Sheet material, Apparatus for perforating. G. F. Wales. 1,964,752; July 3.
 Sheet material, Coating. C. O. Kilham. 1,943,443; Jan. 16.
 Sheet material, Coating and impregnating. C. J. Beaver. 1,958,984; May 15.
 Sheet material, Device for feeding. R. O. Frederick. 1,976,775; Oct. 16.
 Sheet material, Device for stacking. R. J. and G. A. Hutt. 1,960,667; May 29.
 Sheet material, Extruding. A. C. Fischer. 1,952,038; Mar. 20.
 Sheet material, Fabrication of thermo-plastic. P. R. Zinser. 1,945,718; Feb. 6.
 Sheet material, Increasing the rigidity of corrugated. K. Knutson. 1,948,619; Feb. 27.
 Sheet material, Manufacture of. A. C. Fischer. 1,951,728; Mar. 20.
 Sheet material, Manufacturing decorated. F. Slusher. 1,950,196; Mar. 6.
 Sheet material, Method and apparatus for shaping. J. C. Whitesell. 1,970,347; Aug. 14.
 Sheet material, Method of and apparatus for conveying. E. C. McFarlane. 1,947,211; Feb. 13.
 Sheet material, Rubber-impregnated fibrous. S. B. Neiley. 1,978,385; Oct. 23.
 Sheet material, Transparent. E. M. Kratz. 1,976,027; Oct. 9.
 Sheet material, Transparent reinforced waterproof. E. M. Kratz. 1,976,028; Oct. 9.
 Sheet, mattress, and blanket clamp. H. B. Hart. 1,948,965; Feb. 27.
 Sheet metal building construction. J. A. Wise. 1,983,828; Dec. 11.
 Sheet metal container. J. Coyle. 1,985,818; Dec. 25.
 Sheet metal container. C. Spaeth. 1,942,984; Jan. 9.
 Sheet metal joint. R. B. Brandl. 1,957,933; May 8.
 Sheet metal plates, Welding edges of. H. C. Boardman. 1,950,393; Mar. 13.
 Sheet-metal press. E. Haverbeck. 1,966,758; July 17.
 Sheet of coated metal for earthed panels and other purposes. D. N. Davies. 1,962,584; June 12.
 Sheet of paper by a paper making machine, Making and waxing of. M. Oberdorfer. Re19,187; May 29.
 Sheet or signature delivery mechanism. E. R. Kast. 1,944,712; Jan. 23.
 Sheet or signature separating and feeding mechanisms. E. R. Kast. 1,948,033; Feb. 20.
 Sheet or strip feeding mechanism. E. W. Mikaelson. 1,946,170; Feb. 6.
 Sheet piler. A. G. Delany. 1,958,133; May 8.
 Sheet piler. J. A. Smitmans. 1,951,178; Mar. 13.
 Sheet product, Impregnated. G. A. Richter. 1,958,976; May 15.
 Sheet pyroxylin, Finishing. R. G. O'Kane and E. R. Derby. 1,979,762; Nov. 6.
 Sheet registering device. C. B. Cottrell, 3d. 1,951,901; Mar. 20.
 Sheet registering mechanism. F. L. Cross. 1,976,601; Oct. 9.
 Sheet retaining device. G. H. Dawson. 1,985,364; Dec. 25.
 Sheet rolling mill. A. Paterson. 1,953,190; Apr. 3.
 Sheet separating method and apparatus. P. E. Hunter. 1,954,480; Apr. 10.
 Sheet slitting machine. G. W. Lentz. 1,948,385; Feb. 20.
 Sheet treating machine and treating sheets. C. E. Hetzel. 1,982,302; Nov. 27.
 Sheet winding machine. G. E. Gibbs. 1,942,357; Jan. 2.
 Sheeting and laminating process, Continuous. K. D. Loose, C. W. Watkins, and J. W. Green. 1,975,326; Oct. 2.
 Sheeting and preparing the same, Highly flexible. C. J. Malm. 1,960,185; May 22.
 Sheeting, Composite. H. E. Holcomb. 1,941,985; Jan. 2.
 Sheeting material. G. E. Ginn. 1,962,190; June 12.
 Sheets and bedclothes in place, Device for holding. E. F. Chambless. 1,972,919; Sept. 11.
 Sheets and the like, Apparatus for handling. A. Winkler and M. Dunneber. 1,943,500; Jan. 16.
 Sheets, Apparatus for sorting. P. E. Hunter and L. E. Endsley. 1,966,504; July 17.
 Sheets, Apparatus for sorting. P. E. Hunter and L. E. Endsley. 1,978,263; Oct. 23.
 Sheets containing a solvent, Seasoning. G. J. Esselen. 1,958,136; May 8.
 Sheets from mechanical catchers for rolling mills, Device for pushing. W. J. Crowley. 1,978,342; Oct. 23.
 Sheets from musa fiber, Manufacture of transparent. E. C. Worden. 1,966,474; July 17.
 Sheets in lithographic presses, Method of and mechanism for feeding. J. Schultz. 1,976,582; Oct. 9.
 Sheets into books, Binding. W. E. Reavis and G. Kirste. 1,975,373; Oct. 2.
 Sheets, Manufacture of metal coated. W. O. Cook, O. O. Miller and J. C. Whetzel. 1,945,884; Feb. 6.

- Sheets, Method and apparatus for bending laminated. R. J. Nash. 1,982,447; Nov. 27.
- Sheets, Method and apparatus for rolling. R. J. Wean. 1,985,848; Dec. 25.
- Sheets, Method and apparatus for treating. N. B. Ornitz. 1,951,766; Mar. 20.
- Sheets, Method and apparatus for withdrawing lowest. A. Winkler and M. Dünnebieber. 1,942,527; Jan. 9.
- Sheets, Method of and apparatus for rolling. C. A. Davis. 1,983,018; Dec. 4.
- Sheets of cellulosic plastic, Producing. J. F. Walsh. 1,951,853; Mar. 20.
- Sheets of metal, Fabricating and welding wide. E. G. Budd. 1,958,158; May 8.
- Sheets of plywood panels, Making crossing. G. H. Os-good. 1,977,199; Oct. 16.
- Sheets or films of regenerated cellulose, Manufacture of. J. E. Brandenberger and C. V. E. Duplessis. 1,983,531; Dec. 11.
- Sheets or films of cellulose material, Manufacture of. H. E. Van Derhoef. 1,975,132; Oct. 2.
- Sheets or films of compositions containing cellulose esters or ethers, Manufacture of. A. R. Wickham. 1,961,025; May 29.
- Sheets or films of regenerated cellulose, Producing. J. E. Brandenberger. 1,983,529; Dec. 11.
- Sheets or plates, Apparatus for washing flat. H. O. Kranich. 1,953,352; Apr. 3.
- Sheets, Process and apparatus for drying fibrous. A. W. Schorger. 1,951,710; Mar. 20.
- Sheets to sheet opening devices in a sheet-handling machine, Method of and mechanism for feeding folded. O. Kleinschmidt and R. Klemm. 1,949,839; Mar. 6.
- Shelf, W. E. Chapman. Des. 91,922; Apr. 10.
- Shelf and bracket therefor. H. G. Voight. 1,956,164; Apr. 24.
- Shelf, Attachable. J. Schimmelfeng. Des. 93,944; Nov. 27.
- Shelf bracket construction. H. F. Keil. 1,974,050; Sept. 18.
- Shelf bracket construction. H. F. Keil. 1,978,636; Oct. 30.
- Shelf clamp. O. M. Summers. 1,967,455; July 24.
- Shelf for refrigerators, Sliding. O. M. Otte. 1,953,688; Apr. 3.
- Shelf for sinks. A. C. Heise and M. W. Jacobi. 1,985,658; Dec. 25.
- Shelf locking construction. J. Tyler. 1,963,427; June 19.
- Shelf, Refrigerator. J. U. Loney. 1,975,327; Oct. 2.
- Shelf, Reversible wall. M. L. Stone. Des. 92,870; July 24.
- Shelf, Sanitary. T. I. Potter and A. E. Carlson. 1,979,902; Nov. 6.
- Shelf structure for refrigerators, Sliding. O. M. Otte. 1,973,416; Sept. 11.
- Shelf support. J. H. Knapp. 1,961,935; June 5.
- Shelf, Writing. E. M. Smith. 1,963,721; June 19.
- Shelving. G. R. Gibson and A. Wood. 1,984,473; Dec. 18.
- Shelving. H. J. Onions. 1,984,080; Dec. 11.
- Shelving. F. M. Zimmerman. 1,969,957; Aug. 14.
- Shelving and the like. J. G. L. Skar and C. A. Johnson. 1,976,810; Oct. 16.
- Shelving-bracket and system of shelving. W. L. Slater. 1,983,571; Dec. 11.
- Shelving, Collapsible. A. C. Friedel. 1,966,928; July 17.
- Shelving, Compartment. A. C. Griffith. 1,961,144; June 5.
- Shelving construction. J. E. Bales. 1,945,507; Feb. 6.
- Shelving construction. J. E. Bales. 1,952,111; Mar. 27.
- Shelving structure, Metal. I. Katz and J. Dumbelton. 1,962,396; June 12.
- Shell lining for Jordan engines. F. M. Gloyd. 1,947,644; Feb. 20.
- Shell opener for cigarette packaging machines. P. M. Nejedly. 1,981,463; Nov. 20.
- Sheller, Green corn. R. Patchen. 1,965,469; July 3.
- Shelling apparatus. R. Hoe. 1,959,427; May 22.
- Shells, Charging small calibre high explosive. H. Schuler. 1,978,146; Oct. 23.
- Shells for automobile radiators, Producing sheet metal. G. E. Ireland. 1,966,723; July 17.
- Shells of cashew nuts, Removing the. W. F. Schaufelberger. 1,954,650; Apr. 10.
- Shield, Adjustable seat. E. Wittcoff. 1,955,040; Apr. 17.
- Shield, Antiglare. C. C. Converse. 1,967,868; July 24.
- Shield, Auto headlight. F. Hitchiner. 1,963,201; June 19.
- Shield, Automobile bumper. C. Harwood. 1,944,933; Jan. 30.
- Shield, Automobile headlight. F. C. Townsend. 1,981,761; Nov. 20.
- Shield, Coat. H. G. Dugan. 1,982,649; Dec. 4.
- Shield, Corona. D. H. Rowland. 1,953,025; Mar. 27.
- Shield, Coupler. W. J. Regan. 1,949,813; Mar. 6.
- Shield, Door. E. E. Benson. 1,970,836; Aug. 21.
- Shield, Electrostatic. A. O. Austin. 1,972,616; Sept. 4.
- Shield, Erasing. P. E. Stamm. 1,954,149; Apr. 10.
- Shield, Eye. W. G. Bauer. 1,965,025; July 3.
- Shield for agricultural implements. J. M. and S. Bowman. 1,945,614; Feb. 6.
- Shield for cables, Concentric. H. Nyquist. 1,979,402; Nov. 6.
- Shield for gear shift levers. S. Lucey. 1,952,876; Mar. 27.
- Shield for motor vehicles, Auxiliary glare. P. E. Holt. 1,965,839; July 10.
- Shield for neon tubes. L. S. Steinbacher and R. W. Taylor. 1,982,552; Nov. 27.
- Shield for observation openings. G. H. Rarey. 1,974,432; Sept. 25.
- Shield for outlet boxes. H. E. Korab. 1,956,196; Apr. 24.
- Shield for piling bricks. E. J. Schario. Re19,121; Mar. 27.
- Shield for superchargers, Lubrication. D. Gregg. 1,966,855; July 17.
- Shield for the ears, Water. I. A. Swan. 1,953,517; Apr. 3.
- Shield for the nose, Sun. E. H. Hoffman. 1,962,818; June 12.
- Shield for vehicle windows. W. T. Clark. 1,944,152; Jan. 23.
- Shield for windows, Antifrost. B. G. and S. Shapiro. 1,977,899; Oct. 23.
- Shield, Frost. W. P. Hilger. 1,945,742; Feb. 6.
- Shield, Frost. J. R. Thorp. Re19,145; Apr. 24.
- Shield, Glare. S. C. Baden. 1,981,261; Nov. 20.
- Shield, Glare. B. Galloway. 1,955,232; Apr. 17.
- Shield, Glare. R. C. Jacobs. 1,981,702; Nov. 20.
- Shield, Glare. J. Kitchin. 1,954,081; Apr. 10.
- Shield, Glare. J. N. Moore. 1,960,450; May 29.
- Shield, Glare. J. L. Peavey. 1,985,668; Dec. 25.
- Shield, Light. W. A. Roth. 1,957,080; May 1.
- Shield, Lip. H. L. Van Dunker. 1,943,751; Jan. 16.
- Shield or bolt anchor, Expansion. R. E. McIntosh. 1,959,439; May 22.
- Shield or cover, Radiator. J. P. Collins. 1,981,030; Nov. 20.
- Shield, Paper radiator. B. Altheimer. 1,985,008; Dec. 18.
- Shield, Rainy day table. M. Simonson. 1,967,632; July 24.
- Shielded resilient separator. W. M. Bailey. 1,982,411; Nov. 27.
- Shield, Vehicle-brake. G. R. Cunningham. 1,965,137; July 3.
- Shielding means for radio apparatus. H. E. Roys. 1,965,202; July 3.
- Shielding system. E. R. Hentschel. 1,942,596; Jan. 9.
- Shift lever. M. C. Hedgeland. 1,947,988; Feb. 20.
- Shim. W. H. Blackmer and E. L. Young. 1,955,714; Apr. 17.
- Shim. B. Darrach. 1,949,114; Feb. 27.
- Shim. J. E. Erickson. 1,978,527; Oct. 30.
- Shim, Laminated. L. A. Johnson. 1,951,730; Mar. 20.
- Shingle. H. Abraham. 1,964,410; June 26.
- Shingle. J. W. Cannon. 1,979,862; Nov. 6.
- Shingle. J. R. Coolidge. 1,966,438; July 17.
- Shingle. C. R. Eckert. 1,956,381; Apr. 24.
- Shingle. D. Finley. 1,983,936; Dec. 11.
- Shingle. D. F. Fradette. 1,957,826; May 8.
- Shingle. K. S. Guiterman. 1,971,932; Aug. 28.
- Shingle. H. H. Honigbaum. 1,962,197; June 12.
- Shingle. E. W. Hutchings. 1,976,171; Oct. 9.
- Shingle. T. M. Mayfield. 1,980,760; Nov. 13.
- Shingle. S. P. Moffit. 1,968,217; July 31.
- Shingle. G. B. Payne. 1,962,613; June 12.
- Shingle. T. Robinson. 1,973,931; Sept. 18.
- Shingle and making the same, Tapered. P. O. Beeson. 1,972,127; Sept. 4.
- Shingle and manufacturing the same. N. P. Harshberger. 1,980,053; Nov. 6.
- Shingle and producing the same. N. P. Harshberger. 1,974,047; Sept. 18.
- Shingle, Colored asbestos cement. E. S. Ross. 1,970,197; Aug. 14.
- Shingle, Composition. M. A. Fer Don. 1,974,707; Sept. 25.
- Shingle cutter. S. N. Gundlach. 1,981,695; Nov. 20.
- Shingle elements, Method and apparatus for making. F. C. Overbury. 1,970,431; Aug. 14.
- Shingle facing machine. G. A. Bergstrom. 1,944,631; Jan. 23.
- Shingle guide. W. Leonard. 1,954,213; Apr. 10.
- Shingle, Interlocking. W. P. Schulz. 1,956,732; May 1.
- Shingle, Lock corner. J. V. Donahue. 1,943,953; Jan. 16.
- Shingle, Metallic. F. Lenneville. 1,955,464; Apr. 17.
- Shingle nail lock. C. G. Figue. 1,978,190; Oct. 23.
- Shingle, Reversible. N. P. Harshberger. 1,984,529; Dec. 18.
- Shingle, Roofing. G. B. Payne. 1,962,612; June 12.
- Shingle shake, Processing. E. E. Gilmer. 1,943,597; Jan. 16.
- Shingle, Split. M. T. Whiting. 1,958,774; May 15.
- Shingle, Strip. J. A. Topping. Des. 92,379-80; May 29.
- Shingle, Strip. J. A. Topping. Des. 92,504; June 12.
- Shingle strip and producing same. H. L. Levin. 1,961,005; May 29.
- Shingle, Tapered roofing. H. C. Avery. 1,952,962; Mar. 27.
- Shingle unit and roof built therefrom. W. L. Rowe. 1,968,426; July 31.
- Shingles and the like, Surfacing of rigid. G. Smolak and W. McQuade. 1,945,003; Jan. 30.
- Shingles, Apparatus for handling. H. E. Holman. 1,953,300; Apr. 3.
- Shingles, Cutting. N. P. Harshberger. 1,956,285; Apr. 24.
- Shingles, Making strip. J. A. Topping. 1,975,487; Oct. 2.
- Shingles or shingle strips, Method and apparatus for treating. B. C. Beckman. 1,967,856; July 24.
- Ship construction. J. W. Isherwood. 1,984,271; Dec. 11.

- Ship, Cylindrical flying. L. Pandolfi. 1,963,715; June 19.
 Ship hull construction. A. J. Birch. 1,952,156; Mar. 27.
 Ship propelling plant. G. Bauer. 1,961,953; June 5.
 Shipping and display container. H. F. Coleman. 1,942,537; Jan. 9.
 Shipping and storage unit, Portable. J. W. Montigney. 1,970,705; Aug. 21.
 Shipping bag. R. F. Herder. 1,949,121; Feb. 27.
 Shipping box. D. P. Wickersham. 1,970,787; Aug. 21.
 Shipping case. C. D. Fallert. 1,962,492; June 12.
 Shipping case. E. L. Herbolzheimer. 1,973,760; Sept. 18.
 Shipping case. J. F. Quirk. 1,983,876; Dec. 11.
 Shipping case. B. M. Williams. 1,963,603; June 19.
 Shipping case and supporting frame for refrigerating apparatus. E. Heltman and A. H. Sack. 1,947,850; Feb. 20.
 Shipping container. S. P. Belsinger. 1,983,265; Dec. 4.
 Shipping container. J. P. Earp. 1,951,601-2; Mar. 20.
 Shipping container. F. D. Ferrone. 1,984,209; Dec. 11.
 Shipping container. E. J. Lauth and H. C. Bohnke. 1,960,947; May 29.
 Shipping container. J. Lawler and W. I. Kavin. 1,966,508; July 17.
 Shipping container. J. C. Miller. 1,980,283; Nov. 13.
 Shipping container. E. L. Snow and E. L. Barkley, jr. 1,958,352; May 8.
 Shipping crate, Bottle. W. C. Krause. 1,969,409; Aug. 7.
 Shipping jacket for ice cream. W. F. Crawford. 1,949,677; Mar. 6.
 Shipping package. J. Danner. 1,971,395; Aug. 28.
 Shipping receptacle. E. Milani. 1,979,759; Nov. 6.
 Shipping structure, Replacement unit. C. W. Bell. 1,949,558; Mar. 6.
 Ships, Construction of. T. T. Kennaugh. 1,970,913; Aug. 21.
 Ship's log. E. Granat. 1,962,070; June 5.
 Ship's log. R. Star. 1,978,331; Oct. 23.
 Ship's position and instrument therefor, Computing. G. B. Crouse. 1,953,894; Apr. 3.
 Ship's propeller. E. E. Tully and W. Lovis. 1,961,114; May 29.
 Shirt. S. D. Blue. 1,943,885; Jan. 16.
 Shirt. J. E. Hay. 1,946,401; Feb. 6.
 Shirt and trunks, Combination. R. C. Paul. 1,957,725; May 8.
 Shirt and trunks, Combined. R. C. Paul. 1,957,726; May 8.
 Shirt, Collar attached. L. Manekin. 1,982,527; Nov. 27.
 Shirt hold-down attachment for suspenders. E. S. Mix. 1,960,229; May 22.
 Shirt ironing machine. A. Vargo. 1,963,038; June 12.
 Shirt, Man's. H. Katz and A. Bogart. 1,971,489; Aug. 28.
 Shirt, Man's. R. Tucker. 1,963,004; June 12.
 Shirt pressing machine. T. H. McGowan. 1,942,254; Jan. 2.
 Shirt, Reversible. B. H. Pearce. 1,975,285; Oct. 2.
 Shirt sleeve. W. C. Parfitt. 1,951,437; Mar. 20.
 Shirt, Sport. F. W. Bryant. 1,956,489; Apr. 24.
 Shirts, device for holding down the front of. C. Silverman. 1,958,643; May 15.
 Shock absorber. F. G. Armstrong. 1,967,169-70; July 17.
 Shock absorber. R. I. Bates. 1,943,911; Jan. 16.
 Shock absorber. M. Charles. 1,956,669; May 1.
 Shock absorber. J. M. Christman. 1,980,382; Nov. 13.
 Shock absorber. G. M. Cross. 1,961,281; June 5.
 Shock absorber. A. E. Dentier. 1,956,671; May 1.
 Shock absorber. F. A. Deutsch. 1,956,712; May 1.
 Shock absorber. J. G. Doubleday. 1,944,879; Jan. 30.
 Shock absorber. W. C. Drews. 1,958,183; May 8.
 Shock absorber. E. J. Farkas. 1,963,654; June 19.
 Shock absorber. E. C. Fauntun. 1,961,634; June 5.
 Shock absorber. H. Fuchs. 1,985,369; Dec. 25.
 Shock absorber. F. D. Funston. 1,056,383; Apr. 24.
 Shock absorber. L. R. Gruss. 1,969,508; Aug. 7.
 Shock absorber. J. G. Hawley. 1,954,814; Apr. 17.
 Shock absorber. J. G. Hawley. 1,973,706; Sept. 18.
 Shock absorber. J. M. Keller. 1,985,034; Dec. 18.
 Shock absorber. C. H. Kindl. 1,945,046; Jan. 30.
 Shock absorber. C. H. Kindl. 1,948,036; Feb. 20.
 Shock absorber. C. H. Kindl and F. D. Funston. Re19,224; June 26.
 Shock absorber. C. H. Kindl, E. F. Rossman, and R. I. Bates. 1,953,178; Apr. 3.
 Shock absorber. C. E. Leonard. 1,960,443; May 29.
 Shock absorber. W. T. Livermore and A. E. Freeman. 1,967,833; July 24.
 Shock absorber. B. L. Mallory. 1,952,723; Mar. 27.
 Shock absorber. J. L. Miller. 1,962,665; June 12.
 Shock absorber. R. S. M. and G. A. Mitchell. 1,977,322; Oct. 16.
 Shock absorber. F. C. Mock. 1,961,861; June 5.
 Shock absorber. A. Moorhouse. 1,957,793; May 8.
 Shock absorber. A. Moorhouse. 1,972,943; Sept. 11.
 Shock absorber. R. H. Moulton. 1,958,489; May 15.
 Shock absorber. J. E. Padgett. 1,948,185; Feb. 20.
 Shock absorber. A. Peteler. 1,953,128; Apr. 3.
 Shock absorber. W. W. Riedel. 1,945,566; Feb. 6.
 Shock absorber. E. F. Rossman. 1,979,491; Nov. 6.
 Shock absorber. E. F. Rossman and F. D. Funston. 1,945,568; Feb. 6.
 Shock absorber. E. A. Thompson and M. Olley. 1,957,115; May 1.
 Shock absorber. J. W. Watson. 1,985,122; Dec. 18.
 Shock absorber. O. R. Wikander. 1,951,114; Mar. 13.
 Shock absorber. E. M. Wise. Re19,190; May 29.
 Shock absorber casing. B. L. Mallory. Des. 92,619; June 26.
 Shock absorber control. C. Breer and W. P. Cousino. 1,954,196; Apr. 10.
 Shock absorber control. H. H. Logan. 1,957,658; May 8.
 Shock absorber, Electric. K. E. Lyman. 1,976,792; Oct. 16.
 Shock absorber for airplanes. H. E. Tucker. 1,961,406; June 5.
 Shock absorber for motor cars and other vehicles. C. F. Warner. 1,970,208; Aug. 14.
 Shock absorber for motor vehicles. F. A. Deutsch. 1,957,529; May 8.
 Shock absorber for motor vehicles and the like. K. Landeweer. 1,970,239; Aug. 14.
 Shock absorber for motor vehicles, Front wheel. J. W. Leighton. 1,966,588; July 17.
 Shock absorber for motor vehicles, Hydropneumatic. L. R. Gruss. 1,982,471; Nov. 27.
 Shock absorber for parachutes. S. Wiley. 1,947,507; Feb. 20.
 Shock absorber for power driven vehicles, Rotary. H. Wörner. 1,967,344; July 24.
 Shock absorber, Helicoidal. R. Barros. 1,962,902; Mar. 27.
 Shock absorber, Hydraulic. E. A. and J. G. Everstam. 1,954,693; Apr. 10.
 Shock absorber, Hydraulic. M. Fieldman. 1,950,235; Mar. 6.
 Shock absorber, Hydraulic. M. Fieldman. 1,957,996-7; May 8.
 Shock absorber, Hydraulic. M. Fieldman. 1,966,005; July 10.
 Shock absorber, Hydraulic. N. S. Focht. 1,957,452; May 8.
 Shock absorber, Hydraulic. N. S. Focht. 1,970,369; Aug. 14.
 Shock absorber, Hydraulic. K. Landeweer. 1,975,642; Oct. 2.
 Shock absorber, Hydraulic. C. N. Mitchell. 1,942,658; Jan. 9.
 Shock absorber, Hydraulic. R. F. Peo. 1,963,145; June 19.
 Shock absorber, Hydraulic. R. F. Peo. 1,972,900; Sept. 11.
 Shock absorber, Hydro pneumatic. M. Charles. 1,956,668; May 1.
 Shock absorber, Hydro-pneumatic. J. F. Wallace. 1,967,641; July 24.
 Shock absorber, Pneumatic. E. Laugaudin. 1,984,144; Dec. 11.
 Shock-absorber suitable for automobiles and other vehicles. I. Goytisol. 1,960,150; May 22.
 Shock absorber, Torsional. N. B. Janssen. 1,956,798; May 1.
 Shock absorber, Two-way. T. H. Eickhoff, F. D. Sanborn, Jr., and A. E. Brissner. 1,946,525; Feb. 13.
 Shock absorbers, Apparatus for testing and adjusting. A. B. Casper. 1,956,270; Apr. 24.
 Shock absorbing apparatus, Vehicle. A. H. Simpson. 1,980,934; Nov. 13.
 Shock absorbing device. G. Flintermann. 1,951,013; Mar. 13.
 Shock absorbing device. J. E. Padgett. 1,966,310; July 10.
 Shock absorbing means. W. K. Howe. 1,980,136; Nov. 6.
 Shock absorbing means for shovel booms, Swivel. R. J. Darrah. 1,954,119; Apr. 10.
 Shock absorbing mechanism. H. T. Krakau. 1,942,175; Jan. 2.
 Shock absorbing mechanism, Friction. S. B. Haseltine. 1,959,582; May 22.
 Shock absorbing mechanism, Friction. S. B. Haseltine. 1,968,942; Aug. 7.
 Shock absorbing mechanism, Friction. S. B. Haseltine. 1,971,407; Aug. 28.
 Shock absorbing mechanism, Friction. B. S. Johnson. 1,973,079; Sept. 11.
 Shock absorbing mechanism, Friction. J. F. O'Connor. 1,948,883; Feb. 27.
 Shock absorbing mechanism, Friction. J. F. O'Connor. 1,955,857; Apr. 24.
 Shock absorbing mechanism, Friction. J. F. O'Connor. 1,958,637; May 15.
 Shock absorbing mechanism, Friction. K. E. Zeidler. 1,951,385; Mar. 20.
 Shock absorbing spring. A. M. Ellis. 1,965,492; July 3.
 Shock absorbing strut. J. F. Wallace. 1,967,640; July 24.
 Shock absorbing vehicle frame. J. M. Heath. 1,969,844; Aug. 14.
 Shock eliminator. L. S. Knapp and F. E. Barnes. 1,951,483; Mar. 20.
 Shock eliminator. J. W. Leighton. 1,945,403; Jan. 30.
 Shockproof unit, Coronaless. M. Morrison. 1,982,825; Dec. 4.
 Shoddy-picker. A. J. Perron. 1,944,526; Jan. 23.
 Shoe. J. Abowitz. Des. 93,194; Sept. 4.
 Shoe. J. E. Andrews. Des. 92,282; May 22.
 Shoe. A. Apt. Des. 93,597-8; Oct. 16.
 Shoe. R. Arkin. Des. 93,320; Sept. 18.
 Shoe. B. Arkin. Des. 93,377; Sept. 25.
 Shoe. B. Arkin. Des. 93,961; Dec. 4.
 Shoe. B. Arkin. Des. 94,064-5; Dec. 18.
 Shoe. T. R. Atkins. Des. 93,905; Nov. 27.
 Shoe. M. M. Babin. Des. 93,600; Oct. 16.

- Shoe. A. F. Bancroft. Des. 93,601; Oct. 16.
 Shoe. A. F. Bancroft. Des. 93,907; Nov. 27.
 Shoe. A. F. Bancroft. Des. 94,066; Dec. 18.
 Shoe. A. F. Bancroft. Des. 94,108; Dec. 25.
 Shoe. B. Batterman. Des. 93,808; Nov. 13.
 Shoe. L. Bean. 1,972,436; Sept. 4.
 Shoe. A. Bender. Des. 91,917; Apr. 10.
 Shoe. A. Bender. Des. 93,323-4; Sept. 18.
 Shoe. B. Benjamin. Des. 92,514; June 19.
 Shoe. B. Benjamin. Des. 92,696; July 10.
 Shoe. B. Benjamin. Des. 92,876; July 31.
 Shoe. B. Benjamin. Des. 93,196; Sept. 4.
 Shoe. B. Benjamin. Des. 93,758; Nov. 6.
 Shoe. B. Benjamin. Des. 93,908; Nov. 27.
 Shoe. B. Benjamin. Des. 93,962; Dec. 4.
 Shoe. A. Berg. 1,952,409; Mar. 27.
 Shoe. B. Betterman. Des. 92,998-9; Aug. 14.
 Shoe. P. Borda. Des. 93,197; Sept. 4.
 Shoe. P. Borda. Des. 93,327; Sept. 18.
 Shoe. W. Bressler. Des. 92,878; July 31.
 Shoe. D. J. Calderazzo. Des. 91,755; Mar. 20.
 Shoe. C. H. Caldwell. Des. 91,348-9; Jan. 16.
 Shoe. A. Cohan. Des. 94,075; Dec. 18.
 Shoe. M. Colavito and J. S. Merenna. 1,941,853; Jan. 2.
 Shoe. P. Colella. Des. 93,816; Nov. 13.
 Shoe. C. H. Daniels. Des. 91,513; Feb. 20.
 Shoe. E. M. Daniels. Des. 93,460; Oct. 2.
 Shoe. V. De Liso. Des. 91,610-15; Feb. 27.
 Shoe. V. De Liso. Des. 91,706-7; Mar. 13.
 Shoe. V. De Liso. Des. 91,767; Mar. 20.
 Shoe. V. De Liso. Des. 92,064-5; Apr. 24.
 Shoe. V. De Liso. Des. 93,541-7; Oct. 9.
 Shoe. V. De Liso. Des. 93,761; Nov. 6.
 Shoe. A. De Stefan. 1,952,587; Mar. 27.
 Shoe. H. E. Dunbar. 1,969,970; Aug. 14.
 Shoe. H. E. Dunbar and M. P. Bringardner. 1,958,135; May 8.
 Shoe. W. E. Ebling. Des. 93,973; Dec. 4.
 Shoe. N. Elkin. Des. 92,237-8; May 15.
 Shoe. N. Elkin. Des. 92,293; May 22.
 Shoe. N. Elkin. Des. 92,594; June 26.
 Shoe. N. Elkin. Des. 93,007; Aug. 14.
 Shoe. N. Elkin. Des. 93,336; Sept. 18.
 Shoe. N. Elkin. Des. 93,706-11; Oct. 30.
 Shoe. F. W. Ellington. Des. 91,480-3; Feb. 13.
 Shoe. F. W. Ellington. Des. 91,516; Feb. 20.
 Shoe. F. W. Ellington. Des. 92,239; May 15.
 Shoe. F. W. Ellington. Des. 92,889; July 31.
 Shoe. F. W. Ellington. Des. 92,890; July 31.
 Shoe. S. Epstein. Des. 94,123-4; Dec. 25.
 Shoe. J. H. Everston. 1,976,389; Oct. 9.
 Shoe. J. Fishman. Des. 93,338; Sept. 18.
 Shoe. B. V. Fister. Des. 92,241-2; May 15.
 Shoe. B. V. Fister. Des. 92,294; May 22.
 Shoe. P. G. Flint. 1,977,568; Oct. 16.
 Shoe. S. Fradkin. Des. 93,606-12; Oct. 16.
 Shoe. H. Geller. Des. 91,933-6; Apr. 10.
 Shoe. H. Geller. Des. 93,158-62; Aug. 28.
 Shoe. H. Geller. Des. 93,976; Dec. 4.
 Shoe. J. F. Gikerson. 1,968,291; July 31.
 Shoe. H. Goldberg. Des. 93,977; Dec. 4.
 Shoe. C. Goldzweig. 1,974,456; Sept. 25.
 Shoe. W. H. Goodyear. Des. 93,470; Oct. 2.
 Shoe. N. J. Grossman. Des. 93,218-20; Sept. 4.
 Shoe. N. J. Grossman. Des. 93,345-6; Sept. 18.
 Shoe. N. J. Grossman. Des. 93,394-5; Sept. 25.
 Shoe. N. J. Grossman. Des. 93,617; Oct. 16.
 Shoe. K. Grosz. 1,972,339; Sept. 4.
 Shoe. A. Heil. Des. 92,300-6; May 22.
 Shoe. A. Heil. Des. 92,398; June 5.
 Shoe. A. Heil. Des. 93,013-14; Aug. 14.
 Shoe. A. Heil. Des. 93,551-2; Oct. 9.
 Shoe. L. N. Isaacson. Des. 93,273; Sept. 11.
 Shoe. W. Jager. Des. 91,941; Apr. 10.
 Shoe. J. C. Junker. Des. 92,991-2; Aug. 7.
 Shoe. N. K. Kean. Des. 92,141-3; May 1.
 Shoe. N. K. Kean. Des. 93,408; Sept. 25.
 Shoe. J. T. Kershaw. 1,942,652; Jan. 9.
 Shoe. J. Kessler. Des. 92,144; May 1.
 Shoe. J. Kessler. Des. 92,660; July 3.
 Shoe. J. Kessler. Des. 92,809-16; July 17.
 Shoe. P. J. Kiely. 1,959,792; May 22.
 Shoe. C. H. Kreider. Des. 94,088; Dec. 18.
 Shoe. C. L. Lalble. 1,971,965; Aug. 28.
 Shoe. E. Lampal. Des. 92,360; May 29.
 Shoe. D. La Valle. Des. 92,966; Aug. 7.
 Shoe. D. La Valle. Des. 93,930; Nov. 27.
 Shoe. D. Levin. Des. 93,485-96; Oct. 2.
 Shoe. D. Levin. Des. 93,561-3; Oct. 9.
 Shoe. D. Levin. Des. 93,777-8; Nov. 6.
 Shoe. D. Levin. Des. 94,152; Dec. 25.
 Shoe. M. Liberman. 1,973,085; Sept. 11.
 Shoe. V. C. Lipscomb. Des. 93,832-5; Nov. 13.
 Shoe. V. C. Lipscomb. Des. 93,878; Nov. 20.
 Shoe. V. C. Lipscomb. Des. 93,935; Nov. 27.
 Shoe. B. R. Lowey. 1,967,956; July 24.
 Shoe. A. Madson. 1,957,424; May 1.
 Shoe. J. Mascali. Des. 93,279; Sept. 11.
 Shoe. G. McClellan. Des. 93,988; Dec. 4.
 Shoe. J. W. McGee. Des. 93,989; Dec. 4.
 Shoe. C. Miller. Des. 91,587-91; Feb. 20.
 Shoe. C. Miller. Des. 91,681-3; Mar. 6.
 Shoe. C. Miller. Des. 91,894-5; Apr. 3.
 Shoe. C. Miller. Des. 91,953-9; Apr. 10.
 Shoe. C. Miller. Des. 92,016; Apr. 17.
 Shoe. C. Miller. Des. 92,149-50; May 1.
 Shoe. C. Miller. Des. 92,727-64; July 10.
 Shoe. C. Miller. Des. 92,856-64; July 24.
 Shoe. C. Miller. Des. 93,565; Oct. 9.
 Shoe. C. Miller. Des. 92,916; July 31.
 Shoe. C. Miller. Des. 92,917; July 31.
 Shoe. C. Miller. Des. 92,972-3; Aug. 7.
 Shoe. C. Miller. 1,954,216; Apr. 10.
 Shoe. J. M. Miller. Des. 93,173; Aug. 28.
 Shoe. C. Morali. Des. 91,531; Feb. 20.
 Shoe. C. Morali. Des. 92,620; June 26.
 Shoe. C. Morali. Des. 92,865; July 24.
 Shoe. C. Morali. Des. 92,919; July 31.
 Shoe. C. Morali. Des. 92,920; July 31.
 Shoe. C. Morali. Des. 93,417; Sept. 25.
 Shoe. C. Morali. Des. 94,041; Dec. 11.
 Shoe. M. Mullin. Des. 93,786; Nov. 6.
 Shoe. J. C. Pape. Des. 92,923; July 31.
 Shoe. J. C. Pape. Des. 93,038-42; Aug. 14.
 Shoe. J. C. Pape. Des. 93,124-7; Aug. 21.
 Shoe. F. Parlante. Des. 93,285; Sept. 11.
 Shoe. F. Parlante. 1,951,256; Mar. 13.
 Shoe. S. J. Pentler and O. R. Short. 1,971,050; Aug. 21.
 Shoe. A. Perugia. Des. 91,723-8; Mar. 13.
 Shoe. A. Perugia. Des. 92,200-4; May 8.
 Shoe. A. Perugia. Des. 92,368-71; May 29.
 Shoe. A. Perugia. Des. 92,675; July 3.
 Shoe. A. Perugia. Des. 92,924; July 31.
 Shoe. A. Perugia. Des. 93,632; Oct. 16.
 Shoe. A. Perugia. Des. 93,789-9; Nov. 6.
 Shoe. A. Perugia. Des. 93,846; Nov. 13.
 Shoe. A. Perugia. Des. 93,887-8; Nov. 20.
 Shoe. H. K. Phifer. Des. 93,506-15; Oct. 2.
 Shoe. H. K. Phifer. Des. 93,790-3; Nov. 6.
 Shoe. C. F. and F. A. Rohn. 1,942,001; Jan. 2.
 Shoe. C. F. Rohn and F. A. Rohn. 1,973,105; Sept. 11.
 Shoe. G. Rosenfield. Des. 93,635; Oct. 16.
 Shoe. G. B. Rosenfield. Des. 93,581; Oct. 9.
 Shoe. E. Saugues. Des. 93,853; Nov. 13.
 Shoe. H. Schneider. 1,972,249; Sept. 4.
 Shoe. J. J. Shea. 1,983,403; Dec. 4.
 Shoe. L. W. Slimister. Des. 92,052; Apr. 17.
 Shoe. D. Stark. 1,981,677; Nov. 20.
 Shoe. H. Stern. Des. 92,682; July 3.
 Shoe. O. F. Stock. Des. 94,002-3; Dec. 4.
 Shoe. S. Troy. Des. 92,505; June 12.
 Shoe. A. Turiansky. Des. 93,802; Nov. 6.
 Shoe. F. Vandewater. 1,956,703; May 1.
 Shoe. F. Vicente. Des. 92,506; June 12.
 Shoe. T. F. Vogel. Des. 93,310; Sept. 11.
 Shoe. W. Weidner. Des. 93,260; Sept. 4.
 Shoe. W. Weidner. Des. 93,367; Sept. 18.
 Shoe. W. Weidner. Des. 94,104-5; Dec. 18.
 Shoe. S. Weinstat. Des. 93,061; Aug. 14.
 Shoe. S. Weinstat. Des. 93,312-13; Sept. 11.
 Shoe. S. Weinstat. Des. 94,006; Dec. 4.
 Shoe. S. Weinstat. Des. 94,177; Dec. 25.
 Shoe. A. Werthiem. Des. 93,588-90; Oct. 9.
 Shoe. B. Zegorav. Des. 93,805; Nov. 6.
 Shoe. B. Zegorav. Des. 93,861; Nov. 13.
 Shoe. E. Ziniti. Des. 93,374-5; Sept. 18.
 Shoe and drum brake, Internal. R. B. Wenner. 1,985,128; Dec. 18.
 Shoe and foot normalizer. H. G. Hall. 1,946,317; Feb. 6.
 Shoe and foot-supporting device. W. W. Odell. 1,972,899; Sept. 11.
 Shoe and making same. A. J. Brauer and F. P. Wagner. 1,981,844; Nov. 27.
 Shoe and making same. A. J. Brauer and F. P. Wagner. 1,981,900; Nov. 27.
 Shoe and making same. M. Cuozzo. 1,963,577; June 19.
 Shoe and making same. C. H. Daniels. 1,947,288; Feb. 13.
 Shoe and making the same. E. Schneider. 1,944,763; Jan. 23.
 Shoe and making the same. S. Troy. 1,967,914; July 24.
 Shoe and making same, Waterproof. C. J. Futter and G. W. Blair. 1,965,180; July 3.
 Shoe and method of manufacture. G. Clarke and W. J. Lund. 1,982,725; Dec. 4.
 Shoe and retaining means therefor. C. Miller. 1,942,486; Jan. 9.
 Shoe and shank piece and making the same. F. L. Brandt. 1,977,906; Oct. 23.
 Shoe and shoe bottom unit. F. L. Brandt. 1,944,314; Jan. 23.
 Shoe and shoemaking. J. W. May. 1,972,597; Sept. 4.
 Shoe and the manufacture thereof. I. Tarlow. 1,975,988; Oct. 9.
 Shoe and the manufacture thereof, Welted. D. W. Bunker. 1,985,202; Dec. 18.
 Shoe and sole positioning mechanism. S. J. Flinn. 1,946,491; Feb. 13.
 Shoe and the manufacture thereof. F. R. Merritt. 1,956,693; May 1.
 Shoe, Arch supporting. A. Young. 1,948,638; Feb. 27.
 Shoe, Armored. H. G. Josephson. 1,952,758; Mar. 27.
 Shoe, Athletic. I. Shapiro. 1,942,574; Jan. 9.
 Shoe bag, Tandem. C. E. Hockmeyer. 1,974,156; Sept. 18.
 Shoe, Basketball. J. T. Riddell. 1,962,526; June 12.
 Shoeblackings, polishing-waxes, and such like, Producing. W. Schrauth. 1,974,854; Sept. 25.
 Shoe bottom filling apparatus. A. Thoma. 1,980,946; Nov. 13.

- Shoe bottom filling machine. A. H. Avery. 1,947,963; Feb. 20.
- Shoe bottom filling material and making the same. R. Almy. 1,968,668; July 31.
- Shoe bottom finishing machine. F. B. Keall and A. Harrington. 1,962,245; June 12.
- Shoe burnisher. R. J. Statz. 1,969,861; Aug. 14.
- Shoe buttoning machine. L. J. Bazzoni. 1,957,574; May 8.
- Shoe calk. B. B. West. 1,975,133; Oct. 2.
- Shoe cleat attachment. M. Goldenberg. 1,953,477; Apr. 3.
- Shoe cleat attachment. M. Goldenberg. 1,973,951; Sept. 18.
- Shoe cleat attachment. M. Goldenberg. 1,985,775; Dec. 25.
- Shoe cleat fastener, Athletic. J. T. Riddell. 1,948,885; Feb. 27.
- Shoe construction. C. H. Raut. 1,947,922; Feb. 20.
- Shoe construction. M. H. Reymond. 1,974,543; Sept. 25.
- Shoe construction. W. N. Sechler. 1,956,659; May 1.
- Shoe construction. S. Troy. 1,966,808; July 17.
- Shoe, Corrective. H. H. Minor. 1,959,247; May 15.
- Shoe, Corrective. I. Sabel and L. S. Macdonald. 1,952,684; Mar. 27.
- Shoe counter. W. H. Baynard. 1,949,525; Mar. 6.
- Shoe counter. A. C. Sewall. 1,968,572; July 31.
- Shoe display rack. L. Knupp. 1,949,017; Feb. 27.
- Shoe dressing machine. J. T. Uden. 1,953,376; Apr. 3.
- Shoe fastener. H. J. Pote. 1,980,086; Nov. 6.
- Shoe finishing machine. S. A. Dobyne. 1,982,592; Nov. 27.
- Shoe-finishing tool. W. A. Reed. 1,943,457; Jan. 16.
- Shoe finishing tool. W. A. Reed. 1,948,673; Feb. 27.
- Shoe fitting device. E. J. Bliss. 1,985,199; Dec. 18.
- Shoe fitting machine. H. E. Clarke. 1,962,101; June 5.
- Shoe for horses or other hoofed animals, Rubbered. G. Thuillier. 1,954,899; Apr. 17.
- Shoe for ladders, Antislipping. C. W. and W. E. Rose. 1,973,226; Sept. 11.
- Shoe for testing well castings. C. A. Davenport. 1,955,113; Apr. 17.
- Shoe heel. R. Caiazzo. 1,953,744; Apr. 3.
- Shoe heel. J. Giannini and A. De Prisco. 1,964,049; June 26.
- Shoe heel. H. T. Mason. Des. 92,854; July 24.
- Shoe heel. N. A. Monfils. 1,949,940; Mar. 6.
- Shoe heel. J. F. Walsh and A. J. Steinberger. 1,973,785; Sept. 18.
- Shoe heel and lift, Removable. B. Jassen. 1,948,967; Feb. 27.
- Shoe holder. J. Hills. 1,977,512; Oct. 16.
- Shoe holding device for bootblack stands. F. T. Richardson. 1,968,785; July 31.
- Shoe lace clasp. R. Bertsch. 1,941,654; Jan. 2.
- Shoe lace fastener. G. M. Kauffman. 1,957,600; May 8.
- Shoe last and manufacturing the same. S. Kurlan. 1,967,148; July 17.
- Shoe last attachment. S. and G. Samuel. 1,959,502; May 22.
- Shoe lasting device. G. W. Miller. 1,955,886; Apr. 24.
- Shoe lasting machine. W. I. Barnes. 1,970,684; Aug. 21.
- Shoe lasts, Making. J. R. Dexter. 1,979,193; Oct. 30.
- Shoe leveling, shaping, and sole securing apparatus. G. Laganas. 1,961,883; June 5.
- Shoe machine. A. R. Morrill. 1,952,770; Mar. 27.
- Shoe machine. A. R. Morrill. 1,981,062; Nov. 20.
- Shoe machine. P. Psorakes and G. Hallien. 1,944,015; Jan. 16.
- Shoe machine. F. Sbicca, S. Baroni, and U. S. J. Dunbar. 1,967,973; July 24.
- Shoemaking. F. L. Ayers. 1,956,969; May 1.
- Shoe making. F. Holland and I. F. Damon. 1,951,913; Mar. 20.
- Shoe, Making a molded rubber. R. E. Riley. 1,947,173; Feb. 13.
- Shoe manufacture. C. L. Laible. 1,972,229; Sept. 4.
- Shoe material. J. A. Muir. 1,978,549; Oct. 30.
- Shoe, Moccasin. R. A. Bunker. 1,968,740; July 31.
- Shoe, Musical tap dancing. E. Landl. 1,943,222; Jan. 9.
- Shoe or article of analogous nature. F. Benenati. Des. 94,109-10 Dec. 25.
- Shoe or article of analogous nature. L. A. Morrill and G. E. Webster. Des. 92,866; July 24.
- Shoe or article of analogous nature. J. G. Samuels. Des. 94,165-7; Dec. 25.
- Shoe or similar article. A. M. Bressler. Des. 93,966; Dec. 4.
- Shoe or similar article. A. M. Bressler. Des. 94,070; Dec. 18.
- Shoe or similar article. J. A. Goldberg. Des. 93,978; Dec. 4.
- Shoe or similar article. F. Parlante. Des. 94,160; Dec. 25.
- Shoe or similar article. G. B. Rosenfeld. Des. 92,208-9; May 8.
- Shoe ornamentation. C. Morall. 1,977,995; Oct. 23.
- Shoe ornamenting machine. B. W. Freeman. 1,957,769; May 8.
- Shoe ornamenting mechanism. B. W. Freeman. 1,946,935; Feb. 13.
- Shoe, Orthopedic. J. Schaller. 1,960,418; May 29.
- Shoe parts and the like, Securing together. M. W. Tetlow. 1,970,257; Aug. 14.
- Shoe parts for adhesive attachment to other shoe parts, Preparing. W. H. Wedger. 1,959,605; May 22.
- Shoe parts together, Securing. F. C. Eastman. 1,951,474; Mar. 20.
- Shoe parts together, Securing. M. W. Tetlow. 1,967,337; July 24.
- Shoe patterns, Making. E. F. and T. F. Fraher. 1,975,655; Oct. 2.
- Shoe, Pitching. G. A. Altendorf. Des. 92,642; July 3.
- Shoe, Pneumatic. A. Schäffer. 1,942,883; Jan. 9.
- Shoe polishing rack. H. B. Nesbit. 1,942,725; Jan. 9.
- Shoe press. J. Amico. 1,968,009; July 31.
- Shoe presser element. A. F. Totz. 1,970,259; Aug. 14.
- Shoe-pressing machine. C. F. Pym. 1,951,373; Mar. 20.
- Shoe process, Turned. C. Miller. 1,974,720; Sept. 25.
- Shoe-pulling device for lasts. E. Brothers. 1,964,397; June 26.
- Shoe rack. C. T. Jones. 1,948,666; Feb. 27.
- Shoe rack, Collapsible. J. W. Arnold. 1,978,289; Oct. 23.
- Shoe rest. F. N. La Chapelle. 1,957,604; May 8.
- Shoe roughing tool. G. Goddu. 1,979,331; Nov. 6.
- Shoe, Rubber. L. H. L'Hollier. 1,958,090; May 8.
- Shoe, Rubber. G. B. Newton. 1,959,382; May 22.
- Shoe, Safety box toe. H. G. McMurray and M. G. Norman. 1,954,677; Apr. 10.
- Shoe sale. A. L. Murray. 92,670; July 3.
- Shoe sewing machine. O. L. Lawson. 1,981,868; Nov. 27.
- Shoe shaft stiffener. W. H. Nickerson. 1,985,545; Dec. 25.
- Shoe shank. A. D. Sebastiani. 1,982,357; Nov. 27.
- Shoe shank stiffener. R. B. Bartels. 1,963,396; June 19.
- Shoe shank stiffener. C. M. Moore. 1,977,451; Oct. 16.
- Shoe shaping machine. R. H. Grier and A. Sachs. 1,958,426; May 15.
- Shoe-shine recorder. E. D. Fagelson. 1,946,395; Feb. 6.
- Shoe shining machine. J. T. Uden. 1,968,272; July 31.
- Shoe shining stand. C. D. Funk. 1,944,736; Jan. 23.
- Shoe sole. O. M. Berg. 1,981,300; Nov. 20.
- Shoe sole. F. Hindley. Des. 92,352; May 29.
- Shoe sole. H. Laybolt. 1,979,391; Nov. 6.
- Shoe sole and heel, Detachable. A. Torchia and I. Stoekert. 1,950,041; Mar. 6.
- Shoe sole and producing the same, Rubber. C. P. Mebane. 1,948,390; Feb. 20.
- Shoe sole attaching press. F. P. Lioy. 1,966,073; July 10.
- Shoe sole grooving machine. P. J. Kiely. 1,972,386; Sept. 4.
- Shoe sole leveling, shaping, and securing unit. G. Laganas. 1,976,670; Oct. 9.
- Shoe sole or similar article. A. A. Esterson. Des. 94,125; Dec. 25.
- Shoe sole or the like and manufacturing same. J. R. Caldwell. 1,973,748; Sept. 18.
- Shoe sole structure. D. C. Hubbard. 1,972,843; Sept. 4.
- Shoe stand. W. H. Smith, sr. 1,944,649; Jan. 23.
- Shoe stiffener. S. P. Lovell. 1,980,810; Nov. 13.
- Shoe stiffener and making the same. S. P. Lovell. 1,983,622; Dec. 11.
- Shoe stiffener material and shoe stiffener blanks, Manufacture of thermoplastic. S. P. Lovell. 1,962,603; June 12.
- Shoe structure. R. B. Frazier. 1,979,461; Nov. 6.
- Shoe style display. C. W. Conaway. 1,973,373; Sept. 11.
- Shoe support. E. A. Bessom. 1,964,026; June 26.
- Shoe support. R. E. Duplessis. 1,957,581; May 8.
- Shoe support. A. Eppler. 1,962,141; June 12.
- Shoe supporting jack. F. B. Keall and A. Harrington. 1,960,340; May 29.
- Shoe supporting jack. A. R. Morrill. 1,968,256; July 31.
- Shoe, Swimming. W. T. Hudson. 1,983,609; Dec. 11.
- Shoe tree. D. S. Drury. 1,943,657; Jan. 16.
- Shoe tree. L. A. Young. 1,973,032; Sept. 11.
- Shoe tree stick cutter. F. C. Taylor. 1,962,624; June 12.
- Shoe-tree support and carrier. E. L. Hollingshead. 1,950,242; Mar. 6.
- Shoe-treeing apparatus. O. Young. 1,963,482; June 19.
- Shoe, Turned. G. W. Chesbrough. 1,949,782; Mar. 6.
- Shoe upper cementing machine. J. W. Cosgrove. 1,955,872; Apr. 24.
- Shoe upper material. F. P. Wagner. Des. 93,058; Aug. 14.
- Shoe uppers in lasted position, Holding. C. F. Pym. 1,968,170; July 31.
- Shoe, Ventilated. H. D. Reed and H. H. Kent. 1,946,986; Feb. 13.
- Shoe, Ventilated. J. A. Wilkins. 1,962,290; June 12.
- Shoe ventilator. H. T. Krakau. 1,962,822; June 12.
- Shoe with metatarsal support and making same. O. E. de Ridder. 1,984,257; Dec. 11.
- Shoe, Woman's. S. Troy. Des. 92,783; July 10.
- Shoe working machine. J. R. Britton. 1,974,059; Sept. 18.
- Shoes and adhesives particularly for use therein, Manufacture of. F. S. Bacon and W. H. Wedger. 1,959,323; May 15.
- Shoes and other articles, Method for use in securing together parts of. W. H. Wedger. 1,959,320; May 15.
- Shoes and welting for use therein, Manufacturing. C. E. Roeder and O. E. Swanson. 1,952,631; Mar. 27.
- Shoes for golf and other sports, Attachment for. E. D. Fagelson. 1,946,396; Feb. 6.
- Shoes, Liner plate for. T. Saito. 1,946,591; Feb. 13.
- Shoes, Making. A. J. Brauer and F. P. Wagner. 1,947,246; Feb. 13.
- Shoes, Making. M. O. Frost. 1,942,419; Jan. 9.
- Shoes, Making. W. J. Kelly. 1,944,560; Jan. 23.
- Shoes, Making. C. F. Pym. 1,951,372; Mar. 20.

- Shoes, Making. A. F. Pym and A. R. Schoenky. 1,976,036; Oct. 9.
- Shoes, Making single soled. H. W. Murray. 1,976,135; Oct. 9.
- Shoes, Manufacture of. A. J. Brauer and F. P. Wagner. 1,985,311; Dec. 25.
- Shoes, Manufacture of. N. F. Hopkins. 1,972,342; Sept. 4.
- Shoes, Manufacture of. L. S. Macdonald. 1,977,913; Oct. 23.
- Shoes, Manufacture of. W. E. McKenna. 1,952,329; Mar. 27.
- Shoes, Manufacture of. G. H. Nichols. 1,975,474; Oct. 2.
- Shoes, Manufacture of. C. F. Pym. 1,951,374; Mar. 20.
- Shoes, Manufacture of welted. F. R. Merritt. 1,974,502; Sept. 25.
- Shoes, Manufacturing. F. N. La Chapelle. 1,957,216; May 1.
- Shoes, Manufacturing. K. Kilburn. 1,976,023; Oct. 9.
- Shoes, Manufacturing. H. R. Perry. 1,948,127; Feb. 20.
- Shoes, Manufacturing. C. M. Riddock. 1,952,731; Mar. 27.
- Shoes, Manufacturing. R. C. Simmons. 1,951,493; Mar. 20.
- Shoes, Means for use in manufacture of. A. F. Pym. 1,968,167; July 31.
- Shoes mounted upon lasts, Apparatus for the handling of. E. P., and M. Plé. 1,962,970; June 12.
- Shoes, System for manufacturing. R. W. White. 1,961,318; June 5.
- Shoek end construction. H. O. Fry. 1,977,761; Oct. 23.
- Shop power tool. O. Evinrude. 1,973,409; Sept. 11.
- Shop turnings, Method and apparatus for treating. W. E. Moore. 1,963,712; June 19.
- Shopping bag. R. C. Groh. 1,974,457; Sept. 25.
- Shopping bag. N. Ottinger. 1,953,689; Apr. 3.
- Short circuiter for electric motors. A. Borchers. 1,942,997; Jan. 9.
- Short circuiter for repulsion induction motors. A. Borchers. 1,942,998; Jan. 9.
- Shortening, Manufacture of. E. Hall and K. H. Goertemiller. 1,965,142; July 3.
- Shot shell. C. E. Burke. 1,957,935; May 8.
- Shot shell and making same. E. J. Johnson. 1,972,996; Sept. 11.
- Shot shell tube. A. G. Schuricht. 1,967,844; July 24.
- Shoulder brace. W. E. Marlar. 1,942,482; Jan. 9.
- Shoulder strap holder. H. Rabey. 1,980,697; Nov. 13.
- Shoulder strap holder. F. M. Richardson. 1,949,331; Feb. 27.
- Shoulder strap holder. P. E. Switzer. 1,949,982; Mar. 6.
- Shovel dipper, Power. C. Gill. 1,972,652; Sept. 4.
- Shovel, Excavating. J. Hayward. 1,951,909; Mar. 20.
- Shovel handle, Metal-and-wood. W. W. Wood. 3d. 1,984,560; Dec. 18.
- Shovel holder. A. P. Hartzell. 1,962,561; June 12.
- Shovel mechanism, Power. E. J. Kane. 1,985,876; Dec. 25.
- Shovel, Power. W. E. Bernhard. 1,969,871; Aug. 14.
- Shovel, Power. T. Davidson. 1,961,199; June 5.
- Shovel, Power. W. M. Huston. 1,966,759; July 17.
- Shovel, Power. H. W. Kakaska. 1,960,589; May 29.
- Shovel seat. L. Gazvoda. 1,976,121; Oct. 9.
- Shoveling and grain dumping board, Combined. G. B. Nelson. 1,952,883; Mar. 27.
- Shovels and like implements, Making. R. Harte. 1,970,187; Aug. 14.
- Show case. L. W. Kennedy. 1,966,964; July 17.
- Showcase. L. M. W. Kennedy. 1,984,138; Dec. 11.
- Showcase. J. Roebek. 1,942,124; Jan. 2.
- Show case for pies. L. W. Kennedy. 1,960,494; May 29.
- Show case, Refrigerating. M. J. Goalstone. 1,977,056; Oct. 16.
- Shower bath head. M. E. Estep. 1,976,062; Oct. 9.
- Shower curtain bracket, Collapsible. J. F. Duncan. 1,960,969; May 29.
- Shower head. E. S. Cornell, jr. 1,947,407; Feb. 13.
- Shower head. W. H. Darling. 1,981,948; Nov. 27.
- Shower head. E. M. Reedy. 1,982,538; Nov. 27.
- Shower head. J. H. Selfridge. Des. 93,638; Oct. 16.
- Shower pipe. G. S. Witham, jr. and D. J. Walsh. 1,972,001; Aug. 28.
- Shower pipe for suction rolls. A. H. Standley. 1,979,178; Oct. 30.
- Shower, Portable. C. Hardy and L. Bady. 1,957,956; May 8.
- Shower ring. M. H. Hollingsworth. 1,954,412; Apr. 10.
- Shower spray, Portable. J. M. Frederick. 1,955,231; Apr. 17.
- Shredding apparatus. F. M. Wick. 1,943,752; Jan. 16.
- Shrinking and felting, Apparatus for and method of. R. K. Reynolds. 1,984,701; Dec. 18.
- Shuffle board cue. E. Hess. 1,959,825; May 22.
- Shut-off, Automatic gas. C. T. Bard. 1,947,372; Feb. 13.
- Shut off valve. E. W. Sibley. 1,973,418; Sept. 11.
- Shutter. W. R. Zimmerman. 1,981,407; Nov. 20.
- Shutter, Adjustable. A. Kindelmann. 1,949,477; Mar. 6.
- Shutter adjustment. A. Kindelmann and E. Boecking. 1,957,174; May 1.
- Shutter and awning, Combined. C. F. Miller. 1,949,573; Mar. 6.
- Shutter and shutter bed for pattern selecting mechanism. G. H. White. 1,958,457; May 15.
- Shutter construction. J. L. Barth. 1,961,327; June 5.
- Shutter construction. W. Wornick. 1,969,287; Aug. 7.
- Shutter control for cameras of any type. W. H. Petit. 1,963,417; June 19.
- Shutter control mechanism for X-ray apparatus, Fluoroscopic. A. C. Nelson. 1,953,497; Apr. 3.
- Shutter control system for photographic sound apparatus, Dual. F. H. Owens. 1,942,067; Jan. 2.
- Shutter for automobile radiators. L. B. Green. 1,950,792; Mar. 13.
- Shutter for automobile radiators. C. S. Jackson and H. D. Penney. 1,973,078; Sept. 11.
- Shutter for combination doors and windows, Slidable, flexible. F. H. G., and E. F. Repetto. 1,962,839; June 12.
- Shutter for motion picture machines. A. W. Tondreau. 1,974,759; Sept. 25.
- Shutter for photographic apparatus. A. Gitzhoven. 1,953,556; Apr. 3.
- Shutter for projectors, Safety. L. W. Lessler. 1,971,569; Aug. 28.
- Shutter for radiator enclosures. W. Lloyd. 1,941,846; Jan. 2.
- Shutter means for gas burners. P. S. Harper. 1,968,203; July 31.
- Shutter mechanism for motion picture projection machines. L. S. Frappier and E. Boecking. 1,949,464; Mar. 6.
- Shutter operating mechanism. F. P. Illsley. 1,983,543; Dec. 11.
- Shutter shaft support. A. Kindelmann. 1,946,700; Feb. 13.
- Shutters, Mechanism for operating slidable flexible. F., H. G., and E. F. Repetto. 1,976,414; Oct. 9.
- Shuttle and filling carrier for looms. W. I. Stimpson. 1,971,282; Aug. 21.
- Shuttle and needle mechanism for waving. M. Hahne. 1,950,404; Mar. 13.
- Shuttle binder for looms. W. H. Wakefield. 1,950,529; Mar. 13.
- Shuttle box for looms. W. H. Binette. 1,954,063; Apr. 10.
- Shuttle box for looms. J. R. Miller. 1,964,166; June 26.
- Shuttle check. W. M. Wattie. 1,953,640; Apr. 3.
- Shuttle check, Adjustable. V. Lindsjo. 1,971,226; Aug. 21.
- Shuttle conveyer. M. A. Kendall. 1,943,869; Jan. 16.
- Shuttle for automatic looms, Weft feeding. A. T. Fajol. 1,973,356; Sept. 11.
- Shuttle weft carrier for looms, Weaving. E. Egli. 1,968,132; July 31.
- Shuttles, Method of and apparatus for positively transferring. J. Lucas. 1,954,362; Apr. 10.
- Siccative composition. H. A. Bruson and O. Stein. 1,969,709; Aug. 7.
- Side bearing. A. B. Severn. 1,961,794; June 5.
- Side bearing. A. Stucki. 1,964,543; June 26.
- Side door frame. M. H. Martin. 1,946,586; Feb. 13.
- Side door hanger. E. I. Dodds, jr. 1,981,906; Nov. 27.
- Side frame. W. C. Hedcock and R. B. Cottrell. 1,962,443; June 12.
- Side frame. M. H. Martin. 1,974,577; Sept. 25.
- Side plate for centrifugal pumps. W. E. Geer. 1,944,504; Jan. 23.
- Siding material. F. H. Rahr. 1,942,449; Jan. 9.
- Sieve, Shaking. E. Marot. 1,976,180; Oct. 9.
- Sieve machine, Centrifugal. A. Bifar. 1,973,864; Sept. 18.
- Sifter, Ash. W. E. Althaus and R. C. Swank. 1,966,535; July 17.
- Sifter, Cork. J. D. Elder. 1,941,883; Jan. 2.
- Sifter, Flour. R. N. Dickey. 1,955,847; Apr. 24.
- Sifter, Flour. R. M. Russell. 1,953,266; Apr. 3.
- Sifter, Gyrotory. W. L. Keefer. 1,961,669; June 5.
- Sifter or the like, Flour. A. W. Bergener. 1,977,607; Oct. 23.
- Sifter-top can. A. G. Hopkins. 1,960,674; May 29.
- Sifter top can. J. F. Peters. 1,972,901; Sept. 11.
- Sifting apparatus. F. G. Schwartz. 1,985,109; Dec. 18.
- Sifting apparatus. L. E. Simpson. 1,981,081; Nov. 20.
- Sifting machine for middlings, semolina, and the like, particularly grits. E. Roth. 1,962,573; June 12.
- Sight and sound, Reproduction of spacially coordinated. W. B. Jones. 1,944,182; Jan. 23.
- Sight device for machine guns. W. C. L. Haubroe. 1,962,590; June 12.
- Sight feed lubricator. G. R. Fickert. 1,950,050; Mar. 6.
- Sight feed lubricator, Hydrostatic. R. De Long. 1,977,377; Oct. 16.
- Sight feed mechanical lubricator. R. De Long. 1,952,746; Mar. 27.
- Sight for bows. U. Wilcox. 1,982,489; Nov. 27.
- Sight for guns, Rear. J. H. Redfield. 1,970,623; Aug. 21.
- Sighting apparatus. F. C. Yates. 1,954,509; Apr. 10.
- Sign: See—
- Adjustable rotary sign.
 - Advertising sign.
 - Animated advertising sign.
 - Automobile sign.
 - Changeable number sign.
 - Electric sign.
 - Flashing sign.
 - Gaseous electric sign.
 - Illuminated sign.
 - Luminous price sign.
 - Luminous tube sign.
 - Reflecting and light diffusing sign.
 - Reflecting sign.
 - Reflector button sign.
 - Reflector sign.
 - Revolving sign.
 - Ski sign.
 - Street sign.
 - Triple view sign.
 - Vehicle advertising sign.
 - Vehicle top sign.
 - Wind operated sign.

- Sign. G. Angeli. 1,985,532; Dec. 25.
 Sign. R. E. Barclay. 1,946,726; Feb. 13.
 Sign. R. E. Barclay. 1,963,964; June 26.
 Sign. R. E. Barclay and N. Berggren. 1,943,281; Jan. 16.
 Sign. F. J. Baumeister. 1,951,467; Mar. 20.
 Sign. J. C. Corey. 1,949,900; Mar. 6.
 Sign. T. Crick. 1,944,498; Jan. 23.
 Sign. C. B. Drake. 1,977,575; Oct. 16.
 Sign. S. A. Egekvist. Des. 91,806; Mar. 27.
 Sign. A. C. Fisher. 1,976,844; Oct. 16.
 Sign. W. J. Fleeman. 1,973,616; Sept. 11.
 Sign. H. G. Hammar. Des. 91,355; Jan. 16.
 Sign. H. Hammer. Des. 93,822; Nov. 13.
 Sign. M. Hanchett. Des. 92,297; May 22.
 Sign. G. H. Lackner. 1,978,023; Oct. 23.
 Sign. F. H. Loveless. 1,955,196; Apr. 17.
 Sign. H. L. Monteith. 1,964,328; June 26.
 Sign. H. C. Watson. 1,956,303; Apr. 24.
 Sign. J. B. Whitlow. 1,954,721; Apr. 10.
 Sign and indicator. N. B. Bryant. 1,946,385; Feb. 6.
 Sign construction. H. T. Hallowell. 1,947,341; Feb. 13.
 Sign construction. J. A. Henning. 1,973,983; Sept. 18.
 Sign construction. C. M. Hill. 1,957,022; May 1.
 Sign construction, Display. F. R. Clark. 1,955,947; Apr. 24.
 Sign construction, Illuminated. L. Schepmoes. 1,944,276; Jan. 23.
 Sign flasher. C. Hotchkiss. 1,974,960; Sept. 25.
 Sign flasher. T. J. Mudon. 1,979,807; Nov. 6.
 Sign flasher. I. Nachumsohn. 1,984,939; Dec. 18.
 Sign for bottled products, Display. G. W. Roberts. Des. 91,400; Jan. 23.
 Sign for roads and streets, Reflecting. A. Wood. 1,959,090; May 15.
 Sign frame. H. T. Hallowell and F. Bennett. 1,952,250-1; Mar. 27.
 Sign holder. L. S. Trachsel. 1,952,396; Mar. 27.
 Sign-holding device. M. F. Irby. 1,968,209; July 31.
 Sign holding device. H. C. Pfaff, jr. 1,968,219; July 31.
 Sign holding means, Metal. W. H. Brett. 1,951,325; Mar. 13.
 Sign or advertising device, Luminous tube. W. F. Koken. 1,977,314; Oct. 16.
 Sign post and lamp, Combined. M. K. Markman. Des. 94,091; Dec. 18.
 Sign standard. W. Joergler, J. S. Sheehan, and F. J. Jones. 1,983,174; Dec. 4.
 Sign support. F. J. Griffin. Des. 93,714; Oct. 30.
 Sign support. M. K. Markman. Des. 94,090; Dec. 18.
 Sign switch, Electric light. C. Bowers. 1,973,305; Sept. 11.
 Sign system, Electric. I. I. Levenstein. 1,977,191; Oct. 16.
 Signs agreed upon, Devices for translating. E. G. Farina. 1,968,287; July 31.
 Signs, Making illuminated. G. L. Fuller. 1,973,340; Sept. 11.
 Signs, Manufacture of self-illuminating. E. Reiss-Schmidt. 1,966,141; July 10.
 Signal: See—
 Audible signal.
 Automatic road signal.
 Automobile coupling signal.
 Automatic danger signal.
 Automobile direction signal.
 Automobile signal.
 Blown fuse signal.
 Crossing signal.
 Direction signal.
 Disconnect signal.
 Flare signal.
 Hand signal.
 Highway signal.
 Highway traffic signal.
 Illuminated signal.
 Light signal.
 Railway signal.
 Reflecting road signal.
 Reflecting signal.
 Thermostatically controlled signal.
 Traffic signal.
 Vehicle direction signal.
 Vehicle signal.
 Warning signal.
 Wind signal.
 Signal. C. Adler, jr. Des. 92,641; July 3.
 Signal. C. Adler, jr. 1,978,334; Oct. 23.
 Signal. C. Adler, jr. 1,981,577; Nov. 20.
 Signal. P. H. Chase. 1,980,037; Nov. 6.
 Signal. M. Corpora. 1,968,374; July 31.
 Signal. H. B. Eveland. 1,965,176; July 3.
 Signal. A. L. Martinek and A. N. Taylor. 1,950,560; Mar. 13.
 Signal. L. L. Mortesen. 1,967,127; July 17.
 Signal and lighting unit. W. G. Keith and J. A. Manarik. 1,954,591; Apr. 10.
 Signal and trouble lamp, Combined automobile warning. I. P. Schmid. 1,977,356; Oct. 16.
 Signal and trouble lamp, Combined hand. G. A. Williams. 1,967,697; July 24.
 Signal apparatus. M. Garl. 1,968,824; Aug. 7.
 Signal arm, Automobile. P. Hernandez. 1,968,554; July 31.
 Signal box. B. White and C. C. Evans. 1,949,821; Mar. 6.
 Signal casing. F. Clasing. 1,972,620; Sept. 4.
 Signal casing. C. A. Clock. Des. 92,844; July 24.
 Signal control. J. R. Mare. 1,958,057; May 8.
 Signal control system. H. E. Hershey. 1,956,351; Apr. 24.
 Signal control system, Traffic. C. E. Ives. 1,975,322; Oct. 2.
 Signal cover glass. C. Adler, jr. Des. 92,055; Apr. 24.
 Signal device. E. F. Aymer. 1,958,028; May 8.
 Signal device. R. M. Critchfield. 1,967,745; July 24.
 Signal device. C. F. A. Eddy. 1,949,297; Feb. 27.
 Signal device. G. Kaich. 1,970,657; Aug. 21.
 Signal device. K. W. Mozur. 1,969,144; Aug. 7.
 Signal device. C. F. Wallace. 1,955,616; Apr. 17.
 Signal device for adding machines, Manual clear. G. J. Barrett. 1,949,706; Mar. 6.
 Signal device for fishermen. F. A. Janzen and H. S. Sawatzky. 1,964,949; July 3.
 Signal device for vehicles. W. F. Brennan. 1,975,765; Oct. 9.
 Signal distortion indicator for start-stop telegraph systems. R. J. Wise. 1,971,148; Aug. 21.
 Signal for adding machines, Automatic. G. J. Barrett. 1,947,512; Feb. 20.
 Signal for automobiles and the like, Traffic. W. R. Hersh. 1,961,491; June 5.
 Signal for boilers. A. J. Meneghetti. 1,943,834; Jan. 16.
 Signal for cameras, Automatic shutter. F. Kueppers. 1,948,039; Feb. 20.
 Signal for electrical apparatus, Audible safety. T. Anderson. 1,944,627; Jan. 23.
 Signal for motor driven vehicles, Directional. L. H. Florell. 1,971,101; Aug. 21.
 Signal for motor vehicles, Directional. M. D. Weller. 1,961,995; June 5.
 Siphon for oil wells, Fluid. G. W. Haywood and G. M. Williamson. 1,968,766; July 31.
 Signal for pneumatic tires, Puncture or low pressure. W. L. Goyett. 1,952,164; Mar. 27.
 Signal for railroads, Light. J. F. Merkel. 1,969,089; Aug. 7.
 Signal for railway crossings. O. Marcotte. 1,951,195; Mar. 13.
 Signal for railway crossings, Warning. M. G. Slawson. 1,947,925; Feb. 20.
 Signal for synchronous motor driven electrical clocks, Retarded stop. F. Toeue. 1,955,155; Apr. 17.
 Signal fuse plug. D. H. Atwater. 1,983,890; Dec. 11.
 Signal instrument. P. Haasis. 1,959,470; May 22.
 Signal lamp. F. Jaedicke. 1,951,244; Mar. 13.
 Signal lamp. C. H. Larson. 1,945,198; Jan. 30.
 Signal light. L. F. Brown. Des. 93,445; Oct. 2.
 Signal light and ash tray, Combination. L. F. Brown. Des. 92,161; May 8.
 Signal light, Automobile. H. J. Zimmerman. 1,952,831; Mar. 27.
 Signal light casing, Automobile. H. O. Smith. Des. 91,793; Mar. 20.
 Signal light for automotive vehicles. B. L. Bobroff. 1,981,302; Nov. 20.
 Signal light for vehicles. W. N. Thrall. 1,950,330; Mar. 6.
 Signal light for vehicles, Combination. L. Kovács. 1,952,133; Mar. 27.
 Signal means for taximeters. J. Mackin. 1,952,722; Mar. 27.
 Signal modulation. W. Buschbeck. 1,963,117; June 19.
 Signal operated switch, Steering wheel. W. J. Cronan. 1,980,323; Nov. 13.
 Signal operating switch. A. J. Gerhart. 1,976,690; Oct. 9.
 Signal purposes, Device for. H. Eisenhut. 1,983,356; Dec. 4.
 Signal receiver. M. Vos. 1,949,134; Feb. 27.
 Signal receiving apparatus. W. D. Fisher. 1,959,820; May 22.
 Signal receiving system. J. M. Kane. 1,976,733; Oct. 16.
 Signal repeater. J. W. Long. 1,948,683; Jan. 16.
 Signal repeater. J. Z. Millar. 1,971,755; Aug. 28.
 Signal repeater, Regenerative. A. Weaver. 1,956,704; May 1.
 Signal repeating system. H. R. Hayden. 1,947,084; Feb. 13.
 Signal shaping device. E. T. Burton. 1,961,334; June 5.
 Signal station front. V. Durbin. Des. 93,548-9; Oct. 9.
 Signal storage device, Keyboard operated. O. Wolters and K. Hoper. 1,962,375; June 12.
 Signal switch. E. C. Taylor. 1,954,272; Apr. 10.
 Signal system, Automobile. F. M. Crandall. 1,976,543; Oct. 9.
 Signal system, Electric. C. C. Farmer and T. H. Thomas. 1,967,298; July 24.
 Signal system, Electric. J. R. Harrington. 1,950,108; Mar. 6.
 Signal system for dumb-waiters and the like. P. J. Dugan. 1,949,245; Feb. 27.
 Signal system for motor vehicles. K. D. and H. W. Preston. 1,946,759; Feb. 13.
 Signal system, High frequency. F. W. Frink. 1,970,424; Aug. 14.
 Signal system, Highway crossing. H. M. Friendly. 1,973,691; Sept. 11.
 Signal system, Polarized directional. C. P. Stinson. 1,952,826; Mar. 27.
 Signal system, Railway. J. A. Parkinson. 1,984,840; Dec. 18.
 Signal system, Selective. H. E. Hershey. 1,960,779; May 29.
 Signal system, Synchronical. R. E. Bechtold. 1,951,816; Mar. 20.
 Signal transmission control. R. C. Mathes. 1,959,438; May 22.
 Signal transmission control system. H. Beizer. 1,951,333; Mar. 20.
 Signal transmission system. S. N. Baruch. 1,957,419; May 1.
 Signal transmission system. O. B. Jacobs. 1,984,066; Dec. 11.
 Signal transmitting apparatus. R. Steeneck. 1,945,470; Jan. 30.

- Signal transmitting system. A. B. Clark. 1,953,152; Apr. 3.
- Signal with mask, Wigwag. G. E. Kingsley. 1,955,966; Apr. 24.
- Signaling. H. Chireix. 1,946,274; Feb. 6.
- Signaling. J. L. Finch. 1,948,103; Feb. 20.
- Signaling. A. N. Sholkin. 1,962,467; June 12.
- Signaling and advertising device. G. Sapio. 1,971,661; Aug. 28.
- Signaling and controlling apparatus, Electric. L. B. Winton. 1,954,857; Apr. 17.
- Signaling and indicating news, Electrical. M. L. and P. S. Haselton. 1,969,369; Aug. 7.
- Signaling and recording system. J. S. Morse. 1,980,494; Nov. 13.
- Signaling apparatus. A. Good. 1,962,652; June 12.
- Signaling apparatus. E. Gretener. 1,967,404; July 24.
- Signaling apparatus, Short wave. W. Ludenia. 1,952,326; Mar. 27.
- Signaling between two points on a railroad train, Apparatus for. P. H. Geiger. 1,972,651; Sept. 4.
- Signaling device. M. C. Armstrong. 1,952,351; Mar. 27.
- Signaling device. F. W. Billig. Des. 93,265; Sept. 11.
- Signaling device. B. L. Bobroff. 1,969,116; Aug. 7.
- Signaling device. H. T. Covington, jr. 1,971,521; Aug. 28.
- Signaling device. M. D'Angelo. 1,958,784; May 15.
- Signaling device. E. P. Duquette. 1,959,948; May 22.
- Signaling device. A. J. and W. Haltrich. 1,952,858; Mar. 27.
- Signaling device. A. H. Handlan. 1,959,671; May 22.
- Signaling device. J. W. Hughes. 1,966,860; July 17.
- Signaling device. U. S. Rush. 1,965,751; July 10.
- Signaling device. A. Zeno. 1,942,268; Jan. 2.
- Signaling device and arrangement. B. Stevens, jr. 1,955,895; Apr. 24.
- Signaling device, Automobile. S. Otani. 1,951,625; Mar. 20.
- Signaling device, Electric. E. B. Fairchild. 1,964,317; June 26.
- Signaling device, Electric. L. J. Loeffler. 1,956,393; Apr. 24.
- Signaling device, Electromagnetic. E. O. Zwietusch. 1,966,476; July 17.
- Signaling device, Electro-mechanical. H. F. Obergfell. 1,966,042; July 10.
- Signaling device for typewriters. J. Y. Payton. 1,945,753; Feb. 6.
- Signaling device, Illuminable. L. M. Marshall. 1,954,740; Apr. 30.
- Signaling device, Railway. H. S. Young and R. A. McCann. 1,958,177; May 8.
- Signaling lines, Method of and system for testing. A. M. Curtis. 1,958,611; May 15.
- Signaling means for cash registers and the like. B. H. Johnson and P. Mottershead. 1,952,673; Mar. 27.
- Signaling, Railway. E. M. Allen. 1,974,840; Sept. 25.
- Signaling, Railway. L. Espenschied. 1,971,482; Aug. 28.
- Signaling, Railway. L. V. Lewis. 1,972,941; Sept. 11.
- Signaling system. P. D. Andrews. 1,972,698; Sept. 4.
- Signaling system. R. S. Bone. 1,953,462; Apr. 3.
- Signaling system. E. T. Burton. 1,944,216; Jan. 23.
- Signaling system. C. A. Culver. 1,958,986; May 15.
- Signaling system. C. S. Demarest. 1,946,615; Feb. 13.
- Signaling system. C. S. Demarest. 1,955,875; Apr. 24.
- Signaling system. N. Douglas. 1,961,820; June 5.
- Signaling system. W. F. Eames. 1,944,735; Jan. 23.
- Signaling system. F. W. Frink. 1,970,423; Aug. 14.
- Signaling system. V. M. Graham. 1,971,605; Aug. 28.
- Signaling system. W. H. Grinstead. 1,951,148; Mar. 13.
- Signaling system. A. M. Haubrich. 1,955,234; Apr. 17.
- Signaling system. H. E. Hershey. 1,942,424; Jan. 9.
- Signaling system. H. E. Hershey. 1,960,780; May 29.
- Signaling system. L. A. Hyland. 1,971,347; Aug. 28.
- Signaling system. G. W. Janson. 1,954,626; Apr. 10.
- Signaling system. H. Kallmann. 1,985,415; Dec. 25.
- Signaling system. S. M. Kenerson. 1,979,328; Nov. 6.
- Signaling system. W. A. Knoop. 1,962,312; June 12.
- Signaling system. S. L. Leiby. 1,964,325; June 26.
- Signaling system. O. C. Levy. 1,957,657; May 8.
- Signaling system. C. E. Lomax. 1,960,786; May 29.
- Signaling system. M. B. Long. 1,945,557; Feb. 6.
- Signaling system. H. W. O'Neill. 1,961,385; June 5.
- Signaling system. J. P. Radcliff. 1,965,711; July 10.
- Signaling system. W. H. Scheer. 1,979,054; Oct. 30.
- Signaling system. J. H. Voss. 1,963,600; June 19.
- Signaling system adapted for deep sea telephone cables. A. M. Curtis. 1,984,058; Dec. 11.
- Signaling system, Aerial navigational. A. M. Nicolson. 1,977,198; Oct. 16.
- Signaling system and apparatus therefor. S. Morton. H. L. Krum, and E. E. Kleinschmidt. 1,980,284; Nov. 13.
- Signaling system and electromagnetic mechanism therefor. C. E. Beach. 1,954,794; Apr. 17.
- Signaling system control. A. H. Taylor. 1,969,335; Aug. 7.
- Signaling system, Electric. W. P. Place. 1,975,371; Oct. 2.
- Signaling system, Electrical. L. E. Ryall. 1,976,096; Oct. 9.
- Signaling system for railroads. J. Bennett. 1,969,058; Aug. 7.
- Signaling system, Multiplex. I. G. Wilson. 1,974,090; Sept. 18.
- Signaling system, Railroad. M. H. Hovey. 1,964,354; June 26.
- Signaling system, Railway. F. H. Crago. 1,976,437; Oct. 9.
- Signaling system, Railway. J. C. Hoffman. 1,967,555; July 24.
- Signaling system, Selective. C. S. Demarest. 1,956,670; May 1.
- Signals, Apparatus for the control of highway crossing. J. W. Logan, jr. 1,958,149; May 8.
- Signals by radio, Transmission of printer. R. E. Mathes. 1,944,565; Jan. 23.
- Signals from one code to another, Transposing. H. H. Haglund. 1,966,386; July 10.
- Signals on short radio waves, Transmitting. J. Sedlmayer. 1,954,185; Apr. 10.
- Signals, Radio audible. L. Sommer. 1,978,286; Oct. 23.
- Signals, Transmitting. J. L. Baird. Re19,169; May 15.
- Signature delivery mechanism for printing presses. H. M. Barber. 1,971,897; Aug. 28.
- Signature gathering machine. R. E. Ackley. 1,977,369; Oct. 16.
- Signature handling mechanism for printing presses. H. M. Barber. 1,979,093; Oct. 30.
- Signature writing machine. H. R. Hedman. 1,943,607; Jan. 16.
- Signature writing machine. O. Slettevold. 1,984,706; Dec. 18.
- Signatures and the like, Method of and mechanism for automatically opening closed book. R. Klemm and W. Geissler. 1,973,632; Sept. 11.
- Signatures in a signature-handling machine, Mechanism for connecting. O. Kleinschmidt, W. Geissler, and K. Muller. 1,974,243; Sept. 18.
- Signatures, Mechanism for feeding. W. Steinmann. 1,961,401; June 5.
- Silencer. V. Oldberg. 1,950,455; Mar. 13.
- Silencer. V. Oldberg. 1,964,996; July 3.
- Silencer. V. Oldberg and R. L. Nulty. 1,952,139; Mar. 27.
- Silencing device for internal combustion engines. A. J. L. Haynes. 1,957,012; May 1.
- Silencing means for flushing rims. C. J. Kohler and G. P. Gavin. 1,977,797; Oct. 23.
- Silent chain. J. F. McCann. 1,974,338; Sept. 18.
- Silhouette ornamentation on articles of manufacture. A. S. Donaldson. 1,950,230; Mar. 6.
- Silhouette picture and making animated. C. A. Francis. 1,969,551; Aug. 7.
- Silhouettes for composite motion pictures, Production of. F. D. Williams. 1,955,993; Apr. 24.
- Silica and products thereof, Producing reactions with. E. W. Rembert. 1,945,534; Feb. 6.
- Silica, Manufacture of precipitated. S. S. Svendsen. 1,959,747; May 22.
- Silica, Production of precipitated. S. S. Svendsen. 1,959,748-9; May 22.
- Silicates, Making base exchange. K. P. McElroy. 1,961,902; June 5.
- Silicates with acids in order to obtain their soluble salts, Treatment of. F. Jourdan. 1,976,564; Oct. 9.
- Siliceous material and the manufacture of cement therefrom, Treating. R. C. Folger. 1,964,685; June 26.
- Siliceous materials, Treatment of. A. Kirkham. 1,973,211; Sept. 11.
- Siliceous product and making the same. A. B. Cummins. 1,970,280; Aug. 14.
- Silicon and high manganese steel, Producing high. A. C. Jones. 1,941,556; Jan. 2.
- Silk and product thereof, Making artificial. T. Koch. 1,951,094; Mar. 13.
- Silk, Apparatus for making artificial. U. Mancini. 1,952,877; Mar. 27.
- Silk, Artificial. H. T. Clarke and C. J. Malm. 1,969,454; Aug. 7.
- Silk cakes, Device for the tying of artificial. A. Ruesch. 1,953,725; Apr. 3.
- Silk, Dressing artificial. T. Koch. 1,984,139; Dec. 11.
- Silk, Dyeing acetose. K. Koerberle and J. Mueller. 1,947,855; Feb. 20.
- Silk for treatment, Apparatus for winding artificial. W. R. Richter. 1,957,979; May 8.
- Silk, Manufacture of artificial. F. H. Griffin. 1,950,922; Mar. 13.
- Silk, Manufacture of artificial. G. Hardt. 1,967,206; July 17.
- Silk, Manufacture of artificial. G. Hardt. 1,984,303-4; Dec. 11.
- Silk, Method and apparatus for manufacturing artificial. B. Gordor, jr. 1,973,953; Sept. 18.
- Silk, Method and apparatus for spooling artificial. A. J. L. Moritz. 1,979,898; Nov. 6.
- Silk on bobbins, Process and apparatus for spinning artificial. H. G. van der Waals. 1,976,272; Oct. 9.
- Silk, Preparation of artificial. J. Rochet. 1,951,994; Mar. 20.
- Silk, Process and apparatus for dry spinning artificial. E. Orioli. 1,944,289; Jan. 23.
- Silk, Production of artificial. W. Ostermann. 1,979,403; Nov. 6.
- Silk, Reclaiming. I. Davis. 1,965,455; July 3.
- Silk screen printing method. F. Weiss. 1,959,992; May 22.
- Silk, Sizing artificial. P. Schlack and E. Sauter. 1,973,998; Sept. 18.
- Silk, Spinning artificial. C. C. Jessen. 1,975,323; Oct. 2.

- Silk spinning cakes, Process and apparatus for the washing and after-treatment of artificial. A. J. Engel. 1,957,328; May 1.
- Silk, Spooling or reeling artificial. J. W. Lubberhuizen and H. A. Schrenk. 1,958,670; May 15.
- Silk, Treatment of acetate. G. Heberlein, jr., and A. Bodmer. 1,970,522; Aug. 14.
- Silk, Weighting. F. W. Miller. 1,966,991; July 17.
- Silk, Weighting natural. R. Clavel. 1,949,143; Feb. 27.
- Silk with chrome dyestuffs, Printing. J. J. Roulet. 1,942,774; Jan. 9.
- Silk with greater take-up speed, Apparatus for spinning artificial. J. J. Stöckley and A. Brötz. 1,972,278; Sept. 4.
- Silks, Manufacture of artificial. J. Delpach and C. Heinrich. 1,978,741; Oct. 30.
- Silver, etc., from tarnishing, Protecting. G. E. Herring and F. E. Dean. 1,949,205; Feb. 27.
- Silver from used photographic fixing solutions, Apparatus for electroplating. K. C. D. Hickman and W. J. Weyerts. 1,959,531; May 22.
- Silver from used photographic fixing solutions by electrolysis, Recovery of. K. C. D. Hickman and W. J. Weyerts. 1,954,316; Apr. 10.
- Silver halide emulsion layers, Obtaining different gradations in developing. R. Schmidt. 1,956,230; Apr. 24.
- Silver of sterling or higher standard, Age hardening. J. C. McFarland. 1,984,225; Dec. 11.
- Silver polishing machine. D. Mascareño. 1,945,908; Feb. 6.
- Silver, Tarnish resisting. B. Bart. 1,947,180; Feb. 13.
- Silverware burnishing machine. H. Robinson. 1,983,401; Dec. 4.
- Singeing method and means. A. W. De Vout. 1,975,196; Oct. 2.
- Single crank press, Straight side. R. E. Wissman. 1,984,908; Dec. 18.
- Single phase induction motor. J. J. Janca, jr. 1,969,981; Aug. 14.
- Single screw jack, Double lift. J. A. Morrison. 1,974,687; Sept. 25.
- Singling preventer. H. J. Viens. 1,978,657; Oct. 30.
- Sink and depository, Kitchen. J. Gutmann. 1,971,933; Aug. 28.
- Sink and similar structure and constructing the same. S. Blickman. 1,974,794; Sept. 25.
- Sink drainboards and the like and the product resulting therefrom, Reinforcing. A. J. Hanlon. 1,965,375; July 3.
- Sinker for knitting machines. H. E. Stout. 1,948,599; Feb. 27.
- Sinker, Releasable. L. Semar. 1,943,192; Jan. 9.
- Sintering method. E. W. Shallock. 1,965,320; July 3.
- Siphon adapter for bottles. E. E. Soursley. 1,977,328; Oct. 16.
- Siphon exhaust for drier rolls. G. H. Young. 1,953,525; Apr. 3.
- Siphon gravity separator. H. A. Strobl. 1,948,140; Feb. 20.
- Siphon head or similar article. A. Schneider. Des. 91,845; Mar. 27.
- Siphon system for slashers. G. C. Dukes. 1,948,963; Feb. 27.
- Siren. L. H. Miles. 1,958,633; May 15.
- Siren. H. Ricci. 1,956,105; Apr. 24.
- Sirup. C. W. Haines. 1,965,286; July 3.
- Sirup pump. A. E. Heffner and C. C. Cornelius. 1,951,910; Mar. 20.
- Sirup, Treatment of maple. A. A. Lund and R. S. Anthony. 1,957,465; May 8.
- 6,7 - diethoxy - 1 - (3'-4' - diethoxy - benzyl) - iso - quino-line. E. Wolf. 1,962,224; June 12.
- Six-wheel attachment. J. J. Low. 1,972,348; Sept. 4.
- Size for fiber products, Water repellent. E. C. Lathrop and F. A. Irvine. 1,943,975; Jan. 16.
- Size-grading mechanism. L. R. Allen. 1,972,369; Sept. 4.
- Sizing apparatus. W. de Back. 1,961,478; June 5.
- Sizing apparatus. A. J. Langhammer. 1,944,246; Jan. 23.
- Sizing device for grinding machines. D. Gurney. 1,982,161; Nov. 27.
- Sizing material, Making. I. J. Novak. 1,958,202; May 8.
- Sizing or stiffening machine. W. J. Ollinger and C. Niedhammer. 1,947,057; Feb. 13.
- Skate. P. O. Eckels. 1,960,234; May 29.
- Skate. G. A. MacDonnell. 1,977,587; Oct. 16.
- Skate. R. B. Specht. 1,975,905; Oct. 9.
- Skate. J. A. Zareko. 1,981,211; Nov. 20.
- Skate, Ice. R. P. Hammond. Des. 93,618; Oct. 16.
- Skate, Roller. W. D. Ferris. Des. 93,462; Oct. 2.
- Skate, Roller. J. E. Marshall. 1,970,612; Aug. 21.
- Skate, Roller. R. M. Nichol. 1,983,869; Dec. 11.
- Skate, Tubular. P. Taylor. 1,957,740; May 8.
- Skates, Roller. G. A. L. Draws. 1,974,152; Sept. 18.
- Skating device. E. E. Rieder. 1,945,331; Jan. 30.
- Skating rink. K. Hamilton. 1,968,144; July 31.
- Skeg for barges and like vessels. G. R. Taylor. 1,980,114; Nov. 6.
- Skein dyeing machine. G. E. Drum and W. H. Jaxheimer. 1,959,094; May 15.
- Skein-handling machine. E. J. Abbott. 1,968,474; July 31.
- Skein washing machine. A. G. Baker. 1,952,741; Mar. 27.
- Skein winding machine. J. Breckell. D. C. Thompson, and H. M. La Brie. 1,952,969; Mar. 27.
- Skeins of textile material, Machine for treating. L. Ganeval. 1,950,845; Mar. 13.
- Skelp scraper. D. Kerr. 1,963,304; June 19.
- Sketching apparatus, Free hand. H. J. O'Neil. 1,971,119; Aug. 21.
- Ski. K. J. Hansen. 1,973,343; Sept. 11.
- Ski. C. V. Kennedy. 1,979,040; Oct. 30.
- Ski. R. W. Patten. Des. 91,593; Feb. 20.
- Ski binding. G. S. Sprague. 1,958,117; May 8.
- Ski pole grip and ring. J. B. Dickson. 1,961,099; May 29.
- Ski tie. V. Gretsche. 1,983,226; Dec. 4.
- Skid. R. L. Rickwood. 1,944,845; Jan. 23.
- Skid and barrel carrier. W. Brodell. 1,978,485; Oct. 30.
- Skidding arch. W. H. Nourse and P. A. Wickes. 1,945,976; Feb. 6.
- Skill device. W. Fairchild. 1,972,587; Sept. 4.
- Skillet. D. I. Davis. 1,974,796; Sept. 25.
- Skillet. R. H. Smith. 1,970,151; Aug. 14.
- Skimming apparatus. F. S. Currie. 1,981,310; Nov. 20.
- Skimming mechanism for centrifuges. S. C. Lindberg. 1,954,676; Apr. 10.
- Skin conditioner. R. S. Schneider. 1,965,861; July 10.
- Skin from cattle and the like, Removing the. W. P. Wexel. 1,945,247; Jan. 30.
- Skins and hides, Treatment of. O. Röhm. 1,977,973; Oct. 23.
- Skins for use as leather, Preparation of reptile. L. Friedheim. 1,969,743; Aug. 14.
- Skins from onions, Apparatus for removing. L. C. Southan. 1,984,237; Dec. 11.
- Skins, pelts, hides, and leathers, Treatment of. W. Hesselberger. 1,962,444; June 12.
- Skins, Process and machine for combing and ironing of. G. Frommer. 1,951,827; Mar. 20.
- Skirt holder. H. A. Erwin. 1,962,953; June 12.
- Ski or the like. H. J. Perahia. Des. 93,504; Oct. 2.
- Skiving machine. F. S. Ghines. 1,959,202; May 15.
- Skiving machine. D. B. Macdonald. 1,952,177; Mar. 27.
- Skiving machine. A. Peterson and P. D. Jones. 1,964,829; July 3.
- Skiving machine. E. J. Ray. 1,972,237; Sept. 4.
- Skiving machine. R. B. Woodcock and H. Boothroyd. 1,944,311; Jan. 23.
- Sky light bar. L. S. Wilson. 1,968,363; July 31.
- Skylight construction. G. H. Lenke. 1,971,160; Aug. 21.
- Skylight construction. J. E. Linck. 1,966,673; July 17.
- Skylight joint. C. C. Rupertus. Re19,109; Mar. 13.
- Skylight rib construction. S. E. Cibulas. 1,968,125; July 31.
- Sky sign. H. G. Gordon. 1,973,205; Sept. 11.
- Slab, Composition. A. C. Fischer. 1,961,847; June 5.
- Slab, Dental mixing. C. S. Kile. 1,980,533; Nov. 13.
- Slab forming process and apparatus, Ceramic. E. R. Powell. 1,963,029; June 12.
- Slab, Precast building. T. P. Finefrock and W. F. O'Neil. 1,955,877; Apr. 24.
- Slack adjuster. W. H. Baselt. 1,947,444; Feb. 20.
- Slack adjuster. P. B. Camp. 1,947,402; Feb. 13.
- Slack adjuster. C. J. Nash. 1,947,305; Feb. 13.
- Slack adjuster. M. Tibbetts. 1,980,771; Nov. 13.
- Slack adjuster, Automatic. H. E. Anderson. 1,961,919; June 5.
- Slack adjuster, Automatic. P. B. Camp. 1,947,405; Feb. 13.
- Slack adjuster, Automatic. H. Gallusser. 1,951,014; Mar. 13.
- Slack adjuster for brakes, Automatic. B. H. Browall. 1,983,897; Dec. 11.
- Slack adjuster for railway brakes. P. B. Camp. 1,947,403; Feb. 13.
- Slack adjuster for valves. G. P. Berry. 1,950,590; Mar. 13.
- Slack adjuster, Hydraulic. J. O. Almen and G. P. Berry. 1,955,786; Apr. 24.
- Slack adjusting device for brakes. G. Houplain. 1,957,890; May 8.
- Slack take-up and force multiplier for hydraulic brakes. P. Dodge. 1,958,511; May 15.
- Slag, Conveying molten. T. Bartholomew. 1,959,323; May 22.
- Slag formation and reduction in lead softening. J. O. Berterton and C. W. Hanson. 1,950,387; Mar. 13.
- Slag granulation. S. W. Schott. 1,950,932; Mar. 13.
- Slag treatment and apparatus therefor. E. P. Dunn. 1,962,270; June 12.
- Slag utilization, Open-hearth. J. E. Lose and R. H. Watson. 1,979,753; Nov. 6.
- Slasher. K. B. Cook. 1,944,221; Jan. 23.
- Slat link for rolling shutters. H. Lecluyse. 1,966,723; July 17.
- Sled. J. M. Bowen. Des. 93,267; Sept. 11.
- Sled. A. L. McGregor. 1,972,349; Sept. 4.
- Sled. H. L. Van Doren and J. G. Rideout. Des. 91,796; Mar. 20.
- Sled, Airplane sky. G. Austin. 1,980,246; Nov. 13.
- Sled, Coasting. F. A. Richards. Des. 93,132; Aug. 21.
- Sled, Coasting. F. A. Richards. 1,954,830; Apr. 17.
- Sled cultivator. C. C. Dunbar. 1,933,350; Dec. 4.
- Sled deck. J. M. Bowen. Des. 93,268; Sept. 11.
- Sleeping bag. H. H. O'Dwyer. 1,964,271; June 26.
- Sleeping bag. G. E. Rycoff. 1,952,465; Mar. 27.
- Sleeping bag. E. H. Wallin. 1,971,469; Aug. 28.
- Sleeve for printing press paper rolls. W. Schoultheis. 1,941,495; Jan. 2.
- Sleeve pressing machine. A. O. Long. 1,957,841; May 8.

- Sleeve protector. J. H. Amend and J. Lewis. 1,949,773; Mar. 6.
- Sleeve twister. J. H. Dodge and C. J. Ekman. 1,950,229; Mar. 6.
- Sleeves, Making grooved. H. Lampart. 1,985,833; Dec. 25.
- Sleeves, Making protective. C. C. Curtis. 1,965,953; July 10.
- Sleigh. O. Frederickson. 1,946,018; Feb. 6.
- Sleigh runner. M. T. Thompson. 1,957,372; May 1.
- Slide assembly for paper machines. B. A. Malkin. 1,961,771; June 5.
- Slide for paper making machines. W. B. Clements. 1,968,028; July 31.
- Slide stacker for slicing machines. W. A. van Berkel. 1,976,862; Oct. 16.
- Slicer. F. H. Miller. 1,973,383; Sept. 11.
- Slicer and shredder, Vegetable. F. H. Howlett. 1,984,216; Dec. 11.
- Slicer, Bread. W. W. Hartman. 1,975,942-3; Oct. 9.
- Slicer, Bread. E. G. Streckfuss. 1,962,847; June 12.
- Slicer, Food. C. Daum. 1,943,113; Jan. 9.
- Slicer, Food. C. J. Schneider. 1,961,172; June 5.
- Slicer, Meat. E. G. Streckfuss. 1,942,520; Jan. 9.
- Slicer, Meat. E. G. Streckfuss. 1,979,848; Nov. 6.
- Slicer, Open end multiple cheese. K. B. Wagner. Des. 92,121; Apr. 24.
- Slicer, Potato. R. Crocco. Des. 92,794; July 17.
- Slicer, Potato. F. D. Herrington. 1,981,451; Nov. 20.
- Slicer, Substance. W. A. van Berkel. 1,960,422; May 29.
- Slicer, Vegetable. J. D. Ferry. 1,955,360; Apr. 17.
- Slicer, Vegetable. G. Remnsider. 1,966,186; July 10.
- Slicer, Vegetable. J. F. Ryan. 1,984,034; Dec. 11.
- Slicer, Vegetable. L. I. Yeomans. 1,954,165; Apr. 10.
- Slicers, Manufacturing fruit and vegetable. L. D. Kimmel. 1,979,748; Nov. 6.
- Slicing apparatus and method. J. J. Diamond, H. Tinsman, and J. Scott. 1,973,526; Sept. 11.
- Slicing, dividing and wrapping apparatus. W. W. Hartman. 1,969,004; Aug. 7.
- Slicing machine. W. J. Barnes and H. G. Winkler. 1,941,532; Jan. 2.
- Slicing machine. C. E. Breden. Des. 94,018; Dec. 11.
- Slicing machine. C. E. Breden. 1,978,929; Oct. 30.
- Slicing machine. W. J. Campbell. 1,947,897-8; Feb. 20.
- Slicing machine. W. J. Campbell. 1,952,837-8; Mar. 27.
- Slicing machine. W. J. Campbell. 1,961,959; June 5.
- Slicing machine. W. J. Campbell. 1,966,088; July 10.
- Slicing machine. W. J. Campbell. 1,979,957; Nov. 6.
- Slicing machine. N. B. Chaveaus. 1,970,416; Aug. 14.
- Slicing machine. N. J. Dziedzic. 1,974,602; Sept. 25.
- Slicing machine. N. J. Dziedzic and H. H. McKee. 1,974,603; Sept. 25.
- Slicing machine. T. Etter and J. L. Dunn. 1,972,586; Sept. 4.
- Slicing machine. W. B. Felton. 1,982,731; Dec. 4.
- Slicing machine. J. Folk. Des. 92,891; July 31.
- Slicing machine. E. A. Ford. 1,978,017; Oct. 23.
- Slicing machine. G. Freudenberg. 1,945,269; Jan. 30.
- Slicing machine. W. H. Fryer. 1,954,043; Apr. 10.
- Slicing machine. W. Holzer and J. Le Brell, jr. 1,970,379; Aug. 14.
- Slicing machine. H. L. Johnston. 1,977,067; Oct. 16.
- Slicing machine. E. R. Knott. 1,965,500; July 3.
- Slicing machine. C. Littlefield. 1,948,622; Feb. 27.
- Slicing machine. C. Littlefield. 1,977,071; Oct. 16.
- Slicing machine. H. W. Mood. 1,942,563; Jan. 9.
- Slicing machine. P. G. Peddicord. 1,965,967; July 10.
- Slicing machine. A. M. Peters. 1,982,175; Nov. 27.
- Slicing machine. E. A. Reussenzehn. Des. 92,770; July 10.
- Slicing machine. E. A. Reussenzehn. 1,960,026; May 22.
- Slicing machine. A. Rubin. 1,963,449; June 19.
- Slicing machine. E. J. Schneider. 1,970,397; Aug. 14.
- Slicing machine. T. H. Strachan and W. H. Fryer. 1,972,250; Sept. 4.
- Slicing machine. E. G. Streckfuss. 1,953,187; Apr. 3.
- Slicing machine. A. B. Tewes. 1,953,277; Apr. 3.
- Slicing machine. C. F. M. van Berkel. 1,977,461; Oct. 16.
- Slicing machine. W. A. van Berkel. 1,947,628; Feb. 20.
- Slicing machine. W. A. van Berkel. 1,954,605-6; Apr. 10.
- Slicing machine. F. G. Walker. 1,959,184; May 15.
- Slicing machine. C. T. Walter. 1,942,991; Jan. 9.
- Slicing machine. C. T. Walter. 1,950,530; Mar. 13.
- Slicing machine. C. T. Walter. 1,957,623; May 8.
- Slicing machine. G. R. Wood. 1,972,254; Sept. 4.
- Slicing machine. G. R. Wood. 1,974,939; Sept. 25.
- Slicing machine casing. H. W. Miller. Des. 92,017; Apr. 17.
- Slicing machine, Criss-cross. E. B. Knott. 1,965,501; July 3.
- Slicing machine, Manually operated. P. J. Lucey. 1,971,825; Aug. 28.
- Slicing machine with friction driven stacker. W. A. van Berkel. 1,976,864; Oct. 16.
- Slicing machines, Attachment for. G. Freudenberg. 1,974,304; Sept. 18.
- Slicing machine, Knife guard for. H. Thomas. 1,960,930; May 29.
- Slicing mechanism. R. Hoe. 1,983,666; Dec. 11.
- Slicing mechanism. C. Hardy. 1,955,458; Apr. 17.
- Slidable faucet valve. S. Zetterstrom. 1,978,831; Oct. 30.
- Slidable seat. H. van Deest. 1,961,653; June 5.
- Slide fastener. I. Greenberg. 1,955,288; Apr. 17.
- Slide fastener. G. Johnson. 1,948,301; Feb. 20.
- Slide fastener. G. Johnson. 1,967,670; July 24.
- Slide fastener. W. I. Jones. 1,963,852; June 19.
- Slide fastener. H. J. Reiter. 1,952,283; Mar. 27.
- Slide fastener. E. O. Seaver. 1,964,485; June 26.
- Slide fastener. G. Sundback. 1,949,889; Mar. 6.
- Slide for machine tools, Hydraulically actuated. L. F. Nenninger and B. Sassen. 1,976,187; Oct. 9.
- Slide pad for shipping cases. R. D. White. 1,977,160; Oct. 16.
- Slider for interlocking fasteners, Making. E. W. Rutherford. 1,971,464; Aug. 28.
- Slider for separable fasteners. A. E. Carlile. 1,962,479; June 12.
- Slider for separable fasteners. V. Puc. 1,977,528; Oct. 16.
- Slider moving device, Automatic. S. H. Norton. 1,980,955; Nov. 13.
- Sliders, Making. E. W. Rutherford. 1,953,726; Apr. 3.
- Sliding door spring. G. P. Anstiss. 1,975,627; Oct. 2.
- Sliding valve. F. F. Gossler. 1,964,663; June 26.
- Sling. F. E. Stahl, A. Cotesworth, and E. E. Robins. 1,963,634; June 19.
- Sling for containers, Lifting. F. K. Flides. 1,969,788; Aug. 14.
- Sling, Rope. A. J. Morgan. 1,970,617; Aug. 21.
- Sling shot. L. R. Parrish. 1,960,645; May 29.
- Sling such as is used in the handling of sugar cane. H. C. Moll. 1,959,985; May 22.
- Slimy growth accumulations from water contact surfaces, Removing. J. P. Warren and C. H. Beensen. 1,983,109; Dec. 4.
- Slip. E. A. Johnson. 1,952,595; Mar. 27.
- Slip. V. L. Sussberg. 1,981,760; Nov. 20.
- Slip. L. C. Tilbury. 1,966,693; July 17.
- Slip and making same. J. M. Sumner. 1,941,959; Jan. 2.
- Slip clamp. R. L. Jenner. 1,942,862; Jan. 9.
- Slip clutch. T. W. Paul. 1,942,217; Jan. 2.
- Slip joint. F. V. Cooke. 1,973,702; Sept. 18.
- Slip-sheeting attachment for mimeograph or similar apparatus. C. E. Higbee. 1,944,176; Jan. 23.
- Slip sheets, Method of and apparatus for removing. P. C. Traver. 1,960,933; May 29.
- Slipper, Ballet. M. Savino. 1,953,659; Apr. 3.
- Slitter. E. Ehlers. 1,978,703; Oct. 30.
- Slitting and creasing mechanism. E. M. Hawkins. 1,959,424; May 22.
- Slitting and winding machine. J. A. Cameron. 1,967,922; July 24.
- Slitting device. J. A. Cameron. 1,944,781; Jan. 23.
- Slitting fixture for piston rings, Automatic. J. C. Linn. 1,968,840; Aug. 7.
- Slitting machine. D. F. Evans and C. E. Coleman. 1,980,392; Nov. 13.
- Slitting machine. F. B. Toothaker. 1,956,429; Apr. 24.
- Slitting machine. H. E. Waner. 1,949,066; Feb. 27.
- Slitting means. G. B. Birch. 1,968,242; July 31.
- Slitting mechanism for printing machines. W. K. Eckhard. 1,977,566; Oct. 16.
- Sliver balling machine. G. and J. Fraser. 1,960,146; May 22.
- Sliver balling machine. G., N., and J. Fraser. 1,985,822; Dec. 25.
- Slivers discharged from carding, drawing and like machines, Mechanism for packing. J. R. Bee. 1,957,241; May 1.
- Slope retainer. W. L. Cox. 1,968,993; Aug. 7.
- Slot and flap combination. E. R. Child. 1,976,482; Oct. 9.
- Slot machine. T. C. Spelling. 1,975,379; Oct. 2.
- Slots in rotors of rotary pumps, Forming. C. A. Peterson. 1,962,152; June 12.
- Slots with noncircular jet, Cutting. C. J. Coberly. 1,972,215; Sept. 4.
- Slub catcher. G. R. Fassett. 1,968,676; July 31.
- Sludge. Apparatus for removing. H. W. Blaisdell. 1,953,100; Apr. 3.
- Sludge. Burning oil insoluble. P. O. Vandever. 1,976,528; Oct. 9.
- Sludge level indicator. H. C. Singleton and E. R. Melssner. 1,958,252; May 8.
- Sludge removal method and apparatus, Continuous. V. E. McCoy. 1,968,651; July 31.
- Sludge remover. D. W. Townsend and J. Brower. 1,947,429; Feb. 13.
- Sludge remover. L. F. Wilson. 1,966,777; July 17.
- Sludge separator. T. S. Cooke. 1,951,647; Mar. 20.
- Slug casting machine. H. A. Burt. 1,955,621; Apr. 17.
- Slug casting machine. H. A. Burt. 1,960,660; May 29.
- Slug casting machine. F. C. Frolander. 1,949,302; Feb. 27.
- Slug casting machine. F. C. Frolander. 1,971,399-400; Aug. 28.
- Slug casting machine. A. V. Gilbert. 1,958,335; May 8.
- Slug casting machine. S. Holt. 1,941,748; Jan. 2.
- Slug casting machine. G. P. Kingsbury. 1,983,615; Dec. 11.
- Slug casting machine. R. R. Mead. 1,944,359; Jan. 23.
- Slug casting machine. L. E. Morrison and F. C. Frolander. 1,971,424; Aug. 28.
- Slug casting machine. G. Rappich. 1,969,663; Aug. 7.
- Slug casting machine. A. J. Stouges. 1,960,650; May 29.
- Slug-casting machine. A. J. Stouges. 1,965,479; July 3.
- Slug casting machine. A. J. Stouges. 1,980,110-12; Nov. 6.

- Slug-casting mold. W. L. Petersen. 1,964,859; July 3.
- Sluice weir. K. Schön. 1,985,872; Dec. 25.
- Slumber screen. M. I. and G. Abrams. 1,979,520; Nov. 6.
- Slurry, Apparatus for treating. E. J. Ochs. 1,944,452; Jan. 23.
- Slush pump. L. Stoesling, H. Field, jr., and C. B. Barlow. 1,964,932; July 3.
- Smelter, Ash. W. Waern. 1,972,116; Sept. 4.
- Smock. I. M. Price. Des. 92,925; July 31.
- Smoke and combustion indicator. A. E. Powell. 1,961,943; June 5.
- Smoke box structure for locomotives. T. E. Cannon and C. F. Krauss. 1,951,235; Mar. 13.
- Smoke consumer. J. Pykosz. 1,976,372; Oct. 9.
- Smoke density meter device. A. W. Simon, C. Kron, and H. Raymond. 1,969,626; Aug. 7.
- Smoke, Device for medicating. J. L. Jordan, jr., and T. A. Curtis. 1,974,242; Sept. 18.
- Smoke, Device for the production of artificial. R. C. Reboul and P. Boissou. 1,972,600; Sept. 4.
- Smoke diffusing apparatus. P. Markut. 1,974,828; Sept. 25.
- Smoke eliminator and fuel economizer. W. E. Frost. 1,941,936; Jan. 2.
- Smoke from air, Removal of tobacco. W. K. Gilkey. 1,961,878; June 5.
- Smokehouse. L. Brand. 1,952,968; Mar. 27.
- Smoke rings, Device for producing. E. Gosliner. 1,945,852; Feb. 6.
- Smoke treating apparatus. M. D. Gilbert. 1,964,794; July 3.
- Smoke treating means. A. Thompson. 1,952,735; Mar. 27.
- Smoker set. J. L. Oberdorfer. 1,971,082; Aug. 21.
- Smoker's outfit. E. Danner. 1,968,191; July 31.
- Smoker's pipe. B. S. Burroughs. 1,978,155; Oct. 23.
- Smoker's pipe. J. T. Dickinson. 1,978,393; Oct. 23.
- Smoker's pipe. E. J. Longrie. 1,951,665; Mar. 20.
- Smoker's pipe. L. T. Watry. 1,943,907; Jan. 16.
- Smoking appliance. M. S. Banks. 1,952,352; Mar. 27.
- Smoking implement. C. M. Palmer. 1,980,594; Nov. 13.
- Smoking pipe. C. K. Brown. 1,948,645; Feb. 27.
- Smoking pipe. S. Brown. 1,956,311; Apr. 24.
- Smoking pipe. B. Chadkin. 1,965,134; July 3.
- Smoking pipe. H. Furman. 1,975,838; Oct. 9.
- Smoking pipe. E. A. Hodges. 1,960,489; May 29.
- Smoking pipe. M. Keesling. 1,972,148; Sept. 4.
- Smoking pipe. D. P. Lavietes. 1,957,968; May 8.
- Smoking pipe. W. H. Levells. 1,959,245; May 15.
- Smoking pipe. A. L. Pirrone. 1,961,983; June 5.
- Smoking pipe. T. B. Powers. 1,961,247; June 5.
- Smoking pipe. T. B. Powers. 1,982,583; Nov. 27.
- Smoking pipe. F. H. Silverthorne. 1,955,099; Apr. 17.
- Smoking pipe. E. R. Wheelock. 1,950,645; Mar. 13.
- Smoking set, Automobile. A. E. Binder. 1,970,073; Aug. 14.
- Smoking stand. G. Engelson. Des. 91,807; Mar. 27.
- Smoking stand. J. S. Kandel. Des. 92,003; Apr. 17.
- Smoking stand. T. Nagel. Des. 93,841; Nov. 13.
- Smoothing device. J. W. Alexander and E. Oosterhuis. 1,978,098; Oct. 23.
- Snake bite outfit. S. R. Benedict. 1,960,889; May 29.
- Snap-acting device. J. A. Spencer. 1,968,969; Aug. 7.
- Snap-acting device. J. A. Spencer. 1,972,172; Sept. 4.
- Snap-acting switch. J. A. Spencer. 1,972,363; Sept. 4.
- Snap-acting thermostatic valve. J. T. Marvin. 1,970,537; Aug. 14.
- Snap fastener. C. L. Knutson. 1,974,377; Sept. 18.
- Snap fastener. C. L. Snyder. 1,960,556; May 29.
- Snap fastener aligning means. E. O. Cameron. 1,955,945; Apr. 24.
- Snap fastener cap, Sheet metal. N. A. Dill. Des. 93,604; Oct. 16.
- Snap fastener installation. W. I. Jones. 1,952,439; Mar. 27.
- Snap fastener stud, Separable. G. Johnson. 1,947,130; Feb. 13.
- Snap fastener studs, Forming separable. W. I. Jones. 1,963,853; June 19.
- Snap hook. G. W. Stowell. 1,944,475; Jan. 23.
- Snap-on bearing clip. A. J. E. Roualet. 1,966,599; July 17.
- Snap-on holder. P. D. Phillips. 1,944,717; Jan. 23.
- Snap switch. P. K. McGill. 1,960,020; May 22.
- Snap switch. A. F. Wallbillich. 1,977,705; Oct. 23.
- Snap switch, Electric. G. J. Meuer. 1,977,078; Oct. 16.
- Snap switch, Electric pull chain. S. L. Snelerson. 1,973,730; Sept. 18.
- Snap terminal. H. A. Douglas. 1,943,590; Jan. 16.
- Snares, Animal. F. Phillips. 1,958,548; May 15.
- Snow ball making machine. M. Dorman. 1,970,997; Aug. 21.
- Snow by means of liquid CO₂, Apparatus for producing blocks of carbon dioxide. G. Weber. 1,974,478; Sept. 25.
- Snow directly from liquid carbon dioxide, Obtaining dense carbon dioxide. H. Rufener and T. Eichmann. 1,972,240; Sept. 4.
- Snow making machine. W. D. McKinney. 1,977,320; Oct. 16.
- Snowplow. C. E. Christopherson. 1,977,871; Oct. 23.
- Snow plow. C. H. Frink. 1,957,103; May 1.
- Snowplow. F. Gettelman. 1,957,771; May 8.
- Snowplow. H. R. Holmes. 1,955,585; Apr. 17.
- Snowplow. G. Lindgren. 1,956,295; Apr. 24.
- Snowplow, Motor. G. J. Gerrish. 1,942,809; Jan. 9.
- Snowplow, Unitary mold-board-frame. D. A. Sargent. 1,956,204; Apr. 24.
- Snubber. H. Fuchs. 1,953,219; Apr. 3.
- Snubber, Hydraulic. L. L. McGee. 1,950,685; Mar. 13.
- Snubbing apparatus for oil wells. L. M. C. Seamark. 1,947,622; Feb. 20.
- Snuffer, Arc. A. G. von Normann. 1,951,297; Mar. 13.
- Soap. L. F. Hoyt. 1,971,375; Aug. 28.
- Soap and crystal dispenser. S. Nelson. 1,973,319; Sept. 11.
- Soap and process and apparatus for making same, Powdered. W. A. Hutton. 1,971,566; Aug. 28.
- Soap bar. H. F. Sands. 1,979,411; Nov. 6.
- Soap composition, Dry powdered. L. H. Phillips. 1,972,458; Sept. 4.
- Soap, Depilatory. E. Roth and L. Spiers. 1,982,268; Nov. 27.
- Soap dispenser. G. L. Bennett. 1,983,527; Dec. 11.
- Soap dispenser. R. V. Burt and R. J. Short. 1,950,782; Mar. 13.
- Soap dispenser. W. G. Crankshaw. 1,970,492; Aug. 14.
- Soap dispenser. C. M. Grafton. 1,945,251; Jan. 30.
- Soap dispenser. N. S. Hillyard. 1,947,086; Feb. 13.
- Soap dispenser. C. McVicker. 1,944,447; Jan. 23.
- Soap dispenser. C. L. Weirich. Des. 93,753; Oct. 30.
- Soap dispenser, Portable foot pedal. M. W. Levernier. 1,949,315; Feb. 27.
- Soap flakes, Drying. H. P. Forte. 1,942,418; Jan. 9.
- Soap from lubricating emulsions, Removing metal. R. C. Williams and H. W. Russell. 1,955,522; Apr. 17.
- Soap holder. H. N. Roberts and W. S. Beauprand. 1,981,389; Nov. 20.
- Soap holder. R. S. Rutherford. 1,946,884; Feb. 13.
- Soap holding device. F. B. Morrison. 1,970,015; Aug. 14.
- Soap, Making. M. H. Ittner. 1,951,511; Mar. 20.
- Soap, Making sulphur. T. Tanaka. 1,957,918; May 8.
- Soap of low moisture content, Producing powdered. B. Clayton, W. B. Kerrick, and H. M. Stadt. 1,968,526; July 31.
- Soap-oil compositions, Manufacture of. A. E. Becker and R. G. Sloane. 1,943,806; Jan. 16.
- Soap powder, Toilet. W. H. Alton. 1,943,253; Jan. 9.
- Soap press. R. A. Jones. 1,981,804; Nov. 20.
- Soap product and preparing same, Powdered. W. H. Alton. 1,968,628; July 31.
- Soap, Shaving. V. Scheffer. 1,946,765; Feb. 13.
- Soap solution, Making. R. M. Bagley. 1,949,264; Feb. 27.
- Soaps, Apparatus for handling. C. M. Larson. 1,947,994; Feb. 20.
- Sock, Leg stump. J. A. McCann. 1,983,914; Dec. 11.
- Socket. O. W. Greene. 1,976,492; Oct. 9.
- Socket. W. M. Hamon. 1,965,831; July 10.
- Socket. G. Pearson. 1,949,359; Feb. 27.
- Socket. N. C. Schellenger. 1,949,358; Feb. 27.
- Socket. J. A. Spencer. 1,982,077; Nov. 27.
- Socket and contacts, Electrical cable connector. J. L. Spence, jr. 1,978,510; Oct. 30.
- Socket and terminal therefor, Vacuum tube. A. W. Kimbell. 1,963,792-4; June 19.
- Socket, bush, ferrule, rivet, and the like, Metal. J. H. and S. Hall. 1,979,686; Nov. 6.
- Socket, Candelabrum. C. M. Petersen. 1,958,347; May 8.
- Socket, Candle. K. K. Neilsen. 1,979,339; Nov. 6.
- Socket, Candle pull. C. E. Avery. 1,976,712; Oct. 18.
- Socket casing, Grounded. H. Hubbell, jr. 1,974,049; Sept. 18.
- Socket, Caster mounting. W. F. Herold. 1,982,868; Dec. 4.
- Socket, Chain-type. H. T. Paiste. 1,960,188; May 22.
- Socket, Clothespole. M. Glass. 1,965,639; July 10.
- Socket-collet structure. J. F. Buhr. 1,973,942-3; Sept. 18.
- Socket connection, Electric. A. Regenauer and F. E. Reynolds. 1,944,719; Jan. 23.
- Socket construction, Drill. L. MacLean. 1,969,654; Aug. 7.
- Socket device. C. L. Knutson. 1,944,517; Jan. 23.
- Socket, Double contact electric. J. M. Roper. 1,978,116; Oct. 23.
- Socket, Dual plug. F. W. Utrecht. 1,965,784; July 10.
- Socket, Electric. D. D. Gordon. 1,944,342; Jan. 23.
- Socket, Electric candle. W. C. Tregoning. 1,948,144; Feb. 20.
- Socket, Electric lamp. M. L. Featherston. 1,946,786; Feb. 13.
- Socket, Electric lamp. A. H. Nero. 1,980,079; Nov. 6.
- Socket, Electric lamp. B. C. Perkins. 1,959,249; May 15.
- Socket, Electric lamp. A. Wallbillich. 1,971,359; Aug. 28.
- Socket, Electric light. D. Baum. 1,982,627; Dec. 4.
- Socket, Electrical lamp. A. Sadacca. 1,971,201; Aug. 21.
- Socket, Electrical plug. R. S. Bicknell and F. J. Stevens. 1,963,061; June 19.
- Socket extension adapter. W. D. Kyle and A. G. Steinmayer. 1,980,488; Nov. 13.
- Socket for electric lamps, Rotary. H. F. Teichmann. 1,942,073; Jan. 2.
- Socket, Lamp. L. Erikson. 1,957,531; May 8.
- Socket, Lamp. G. A. Johnson. 1,982,306; Nov. 27.
- Socket, Lamp. E. E. Slick. 1,054,497; Apr. 10.
- Socket, Light. J. R. White. 1,959,652; May 22.
- Socket locking attachment and tool for electric devices. G. Harrison. 1,963,234; June 19.
- Socket, Molded. A. M. Draving. 1,956,376; Apr. 24.
- Socket moving device. C. L. Patterson. 1,972,947; Sept. 11.

- Socket, Printing press roller. G. V. Chandler. 1,965,734; July 10.
- Socket, Printing press roller. G. V. Chandler. 1,977,375; Oct. 16.
- Socket, Pull. C. E. Avery. 1,948,495; Feb. 27.
- Socket, Pull. M. N. Russell. 1,941,721; Jan. 2.
- Socket, Pull switch. P. D. Phillips. 1,961,452; June 5.
- Socket, Rubber safety. L. J. McPartlin and H. V. Harding. 1,979,485; Nov. 6.
- Socket, Separable snap fastener. E. D. Janes. 1,942,171; Jan. 2.
- Socket shell, Electric lamp. G. H. Elwell. 1,956,320; Apr. 24.
- Socket, Shock absorbing. R. B. Benjamin. 1,982,781; Dec. 4.
- Socket, Single and double contact electric. J. M. Roper. 1,978,117; Oct. 23.
- Socket, Single contact electric. J. M. Roper. 1,978,115; Oct. 23.
- Socket, Snap fastener. M. F. Carr. 1,981,345; Nov. 20.
- Socket structure. E. G. Reinhardt. 1,947,798; Feb. 20.
- Socket, Vacuum tube. A. I. Crawford. 1,980,187; Nov. 13.
- Socket wrench. N. Early. 1,954,444; Apr. 10.
- Socket wrench. S. Mandl. 1,941,565; Jan. 2.
- Sod cutter. D. Junor and C. A. Siarp. 1,942,708; Jan. 9.
- Soda and producing same, Friable caustic. J. W. Koenders. 1,946,863; Feb. 13.
- Soda, Production of anhydrous fused caustic. K. Staib. 1,956,138; Apr. 24.
- Soda solution, Purification of caustic. H. Bender. 1,944,630; Jan. 23.
- Sodium barium aluminate and making the same. E. E. Fisher. 1,985,318; Dec. 25.
- Sodium bicarbonate solution, Revivifying. R. W. Pack. 1,982,688; Dec. 4.
- Sodium calcium cyanide, Treatment of. E. J. Pranke. 1,947,570; Feb. 20.
- Sodium carbonate, ammonium chloride, sodium nitrate, and hydrochloric acid, Manufacture of. F. Bartling. 1,979,137; Oct. 23.
- Sodium carbonate and ammonium chloride, Producing. F. Bartling. 1,965,445; July 3.
- Sodium carbonate decahydrate, Production of. G. L. Cunningham. 1,977,376; Oct. 16.
- Sodium carbonate, Purification of. H. D. Hellmers. 1,984,342; Dec. 11.
- Sodium diphenyl-para-sulphonate and making same. W. C. Stoesser and R. F. Marschner. 1,981,337; Nov. 20.
- Sodium ethyl oxalacetate and the product thereof, Making. R. M. Carter and W. L. Johnson. 1,948,201; Feb. 20.
- Sodium hydroxide, Concentration of. R. B. MacMullin. 1,961,590; June 5.
- Sodium hydroxide from mixtures thereof with potassium hydroxide, Removing. C. J. Aydelotte, W. R. Caverly, and W. H. Wright. 1,982,241; Nov. 27.
- Sodium hyposulphite and zinc compounds, Production of. M. Bazlen, E. Rieger, and F. Scholtz. 1,975,443; Oct. 2.
- Sodium metasilicate hydrates, Crystallization of. M. C. Waddell. 1,953,839; Apr. 3.
- Sodium nitrate and ammonium chloride, Precipitating and separating. W. Stendemann. 1,955,031; Apr. 17.
- Sodium-para phenylphenate and making same. E. C. Britton. 1,942,800; Jan. 9.
- Sodium pyrophosphate, Making neutral. A. Reimann. 1,972,032; Aug. 28.
- Sodium pyrosilicate hydrate, Making. M. C. Waddell. 1,953,840; Apr. 3.
- Sodium sesquicarbonate and sodium bicarbonate, Production of. G. L. Cunningham and H. L. Robson. 1,975,449; Oct. 2.
- Sodium sesquicarbonate, Production of. G. L. Cunningham and R. B. MacMullin. 1,966,114; July 10.
- Sodium-sesqui-silicate and forming the same. G. W. Morey. 1,948,730; Feb. 27.
- Sodium sulphate, Manufacture of. O. V. Martin. 1,958,760; May 15.
- Sodium sulphate, Manufacture of. O. V. Martin. 1,971,754; Aug. 28.
- Sodium sulphide and making same, Anhydrous. H. H. Mayers. 1,946,089; Feb. 6.
- Soffit clip. W. F. La Morte. 1,969,653; Aug. 7.
- Soffit hook hanger. P. H. Sereff. 1,953,315; Apr. 3.
- Soft X-ray tube. C. M. Slack. 1,942,007; Jan. 2.
- Soil, Apparatus for fertilizing. C. G. Atwater. 1,962,116; June 12.
- Soil fertilization. R. Stewart and V. E. Spencer. 1,960,600; May 29.
- Soil pulverizer. H. L. Steel. 1,971,540; Aug. 28.
- Soil warming device and manufacturing same. L. G. Maness and A. H. Osgood. 1,983,862; Dec. 11.
- Soils and compound for use therein, Fumigating. M. O. Johnson. 1,983,546; Dec. 11.
- Solar energy, Apparatus for absorbing. R. H. Goddard. 1,969,839; Aug. 14.
- Solar heater. C. G. Abbott. 1,946,184; Feb. 6.
- Solar ray therapeutic apparatus. K. Sawada. 1,952,945; Mar. 27.
- Solarium, Portable. P. L. Braunworth. 1,946,567; Feb. 13.
- Solder. O. W. Ellis. 1,954,168; Apr. 10.
- Solder applying means. J. Coyle. 1,956,345; Apr. 24.
- Solder flux applying device. W. H. Brooks. 1,951,125; Mar. 13.
- Solder, Method of and apparatus for applying. F. J. Rippl. 1,960,067; May 22.
- Solder to sheet metal, Apparatus and method for applying strips of. C. Helle. 1,948,379; Feb. 20.
- Soldering apparatus. D. D. Rock. 1,951,441; Mar. 20.
- Soldering iron, Electric. E. Batchelder. 1,970,642; Aug. 21.
- Soldering machine. J. Coyle. 1,956,344; Apr. 24.
- Soldering machine, Fuse cover. C. H. Cornwell. 1,972,871; Sept. 11.
- Soldering tool. M. J. Cohan. 1,944,860; Jan. 23.
- Soldering tool. W. J. Frohmuth and D. E. Cobagen. 1,985,492; Dec. 25.
- Soldering tool. J. E. Peys. 1,963,336; June 19.
- Sole affixing machine. A. J. Weiss. 1,945,762; Feb. 6.
- Sole and heel, Combined. L. C. Martel. Des. 92,853; July 24.
- Sole and heel, Rubber. A. L. Murray. 1,985,578; Dec. 25.
- Sole and heel trimming attachment. A. Klos. 1,950,055; Mar. 6.
- Sole and operating thereon. F. E. Bertrand. 1,981,943; Nov. 27.
- Sole-attaching machine. S. J. Finn. 1,949,537; Mar. 6.
- Sole, Detachable shoe. F. A. Rogers. 1,952,608; Mar. 27.
- Sole, Divided calked. R. W. Todd. 1,983,107; Dec. 4.
- Sole fitting machine. F. E. Bertrand. 1,971,475; Aug. 28.
- Sole fitting machine. W. R. Bolton. 1,957,689; May 8.
- Sole fitting machine. H. Warren. 1,975,995; Oct. 9.
- Sole fitting machine and sole fitting. W. H. Heggs and J. W. Pratt. 1,961,355; June 5.
- Sole for shoes, Pneumatic. F. Guild. 1,979,972; Nov. 6.
- Sole laying machine. S. J. Finn. 1,944,882; Jan. 30.
- Sole marking machine. A. E. Hudson. 1,959,583; May 22.
- Sole marking machine. A. R. Morrill. 1,966,076; July 10.
- Sole of shoes. L. J. Bazzoni. 1,983,592; Dec. 11.
- Sole press. S. J. Finn. 1,950,546; Mar. 13.
- Sole press. G. Hazelton. 1,953,224; Apr. 3.
- Sole pressing apparatus. L. A. Colella. 1,964,195; June 26.
- Sole pressing machine. C. T. Jones. 1,980,340; Nov. 13.
- Sole, Shoe. F. D. Fowler. Des. 94,079-80; Dec. 18.
- Sole structure, Calked. D. W. Wiggin. 1,945,840; Feb. 6.
- Soles, Attaching shoe. A. L. Murray. 1,965,297; July 3.
- Soles, Device for thickening the edge of shoe. E. E. Doane and A. Bowers. 1,945,262; Jan. 30.
- Soles, Making sanitary inner. G. G. Rich. 1,959,876; May 22.
- Soles, Method of and machine for channeling. F. Ricks. 1,967,827; July 24.
- Soles, Preparing. C. E. Hood. 1,973,762; Sept. 18.
- Solenoid. G. D. Bower and W. H. Gille. 1,978,737; Oct. 30.
- Solenoid. S. S. Stolp and H. A. Brown. 1,978,916; Oct. 30.
- Solenoid shut-off valve. F. Shenton. 1,944,113; Jan. 16.
- Solid bodies with predetermined arrangement of constituent particles, Forming. S. Morse. 1,950,089; Mar. 6.
- Solid fuel heater. W. L. Scheu. 1,954,542; Apr. 10.
- Solid material into a confined zone, Charging. C. H. Angell. 1,974,789; Sept. 25.
- Solid substances from liquid by vacuum cooling in stages, Separation of. K. Ebner. 1,944,548; Jan. 23.
- Solid substances in suspension in a current of gas, Apparatus for the removal of. C. M. Stein. 1,950,069; Mar. 6.
- Solid to control its chemical activity, Impregnating a. G. Baume and A. Gloriet. 1,971,847; Aug. 28.
- Solids, Classifying. H. H. McKenna. 1,966,988; July 17.
- Solids, Drying. R. D. Myers. 1,966,456; July 17.
- Solids from liquids by sedimentation or settling, Apparatus for and method of separating suspended. W. J. Donohue. 1,968,031; July 31.
- Solids, Processing finely divided. E. C. De Stubner. 1,965,764; July 10.
- Sols and highly dispersed suspensions comprising oxygen-containing metal compounds, Production of. W. Ziese and K. Pfaff. 1,951,718; Mar. 20.
- Sols for clarifying liquids, Preparation of. C. Q. M. Campbell. 1,942,507; Jan. 9.
- Soluble compositions and their use in dyeing and printing, Manufacture of. M. Mendoza, A. G. Murray, and H. B. Briggs. 1,947,433; Feb. 13.
- Solution and preparing same. J. Ladrette. 1,961,229; June 5.
- Solution for treating metal surfaces. O. L. H. L., and C. E. Peterson. 1,954,745; Apr. 10.
- Solution of infusible amine-aldehyde condensation products and making same. A. Gams and K. Frey. 1,969,744; Aug. 14.
- Solution purification. O. C. Ralston and F. H. Miller. 1,931,068; Nov. 20.
- Solution tank. C. A. Lang. 1,975,749; Oct. 2.
- Solutions, Apparatus for producing. W. R. Jeavons and M. J. Rentschler. 1,978,536; Oct. 30.
- Solutions by evaporation or cooling, Apparatus for crystallizing. R. Bonath. 1,970,732; Aug. 21.
- Solutions by evaporation or cooling, Apparatus for crystallizing. R. Bonath. 1,982,978; Dec. 4.
- Solutions, Clarifying chlorinated. C. N. Windecker. 1,980,896; Nov. 13.
- Solutions of carbon dioxide, Method and apparatus for discharging aqueous. M. J. Brown. 1,956,143; Apr. 24.
- Solutions of phosphate rock in nitric acid, Treating. E. Johnson. 1,976,283; Oct. 9.

- Solvent and composition, Cellulose derivative. C. J. Staud and C. S. Webber. 1,954,336; Apr. 10.
- Solvent applying mechanism for wrapping machines. E. L. Smith. 1,961,646; June 5.
- Solvent extraction of hydrocarbon oil. W. M. Stratford. 1,962,622; June 12.
- Solvent for preparing cellulose ether lacquers. L. Rosenthal and O. Leuchs. 1,982,760; Dec. 4.
- Solvent from sludge, Recovering. D. I. Ashworth. 1,957,750; May 8.
- Solvent or plasticizer for compositions with cellulose derivatives. L. Nicholl. 1,984,983; Dec. 18.
- Solvent process. R. E. Haylett. 1,968,392; July 31.
- Solvent refining of hydrocarbon oil. M. T. Kendall. 1,973,683; Sept. 11.
- Solvents, Apparatus for treating cleaning. V. R. Read. 1,956,997; May 1.
- Solvents, Apparatus for treatment with. C. F. Dinley. 1,984,364; Dec. 18.
- Solvents for etherification of cellulose. D. C. Ellsworth. 1,930,988; Nov. 20.
- Solvents from plastic colloids, Removing. H. P. Bassett. 1,976,873; Oct. 16.
- Soot blower. N. L. Snow. 1,978,555; Oct. 30.
- Soot collector. A. E. Engstrom. 1,979,873; Nov. 6.
- Soot, Purifying. G. Kröner and P. Dilthey. 1,945,907; Feb. 6.
- Sorting and accounting machine, Combined. F. L. Fuller. 1,966,623; July 17.
- Sorting apparatus. W. D. Cockrell. 1,945,395; Jan. 30.
- Sorting apparatus. M. C. Hanson. 1,973,206; Sept. 11.
- Sorting apparatus. C. R. Ranney. 1,979,079; Oct. 30.
- Sorting apparatus. V. K. Zworykin. 1,979,722; Nov. 6.
- Sorting device. C. C. Casey. 1,952,117-18; Mar. 27.
- Sorting device. A. S. Fitz Gerald. 1,965,373; July 3.
- Sorting device. W. R. Horsfield. 1,959,238; May 15.
- Sorting device. C. E. Warren. 1,964,837; July 3.
- Sorting machine. J. W. Bryce. 1,962,731; June 12.
- Sorting machine. E. A. Ford. 1,969,362; Aug. 7.
- Sorting machine. R. Lorient. 1,969,377; Aug. 7.
- Sorting machine. G. Lowkrantz. 1,982,216; Nov. 27.
- Sorting machine. L. Momon. 1,982,013; Nov. 27.
- Sorting machine, Automatic length controlled. M. D. Wallace. 1,945,455; Jan. 30.
- Sorting machine for record cards. C. Campbell. 1,944,680; Jan. 23.
- Sorting machine of the manual control type. F. L. Fuller. 1,946,906; Feb. 13.
- SO₂ used in refining mineral oils, Recovering. I. Rosenberg. 1,979,232; Oct. 30.
- Sound absorbing and insulating composition. G. A. New. 1,946,914; Feb. 13.
- Sound absorbing construction. M. H. Kliefoth. 1,959,057; May 15.
- Sound absorbing material and making the same. J. Mazer. 1,952,766; Mar. 27.
- Sound-absorbing structure. J. Mazer. 1,961,374; June 5.
- Sound absorbing system. P. G. Caldwell. 1,947,287; Feb. 13.
- Sound accompaniment for composite motion pictures. F. W. Jackman. 1,979,937; Nov. 6.
- Sound amplifier. S. T. Williams. 1,943,499; Jan. 16.
- Sound amplifying speaker. F. A. Holtz. Des. 92,962-3; Aug. 7.
- Sound and sound track resulting therefrom, Electrooptically photographing. E. H. Hansen. 1,961,610; June 5.
- Sound apparatus. R. L. Williams. 1,960,257; May 29.
- Sound apparatus. R. L. Williams. 1,977,663; Oct. 23.
- Sound attachment for moving picture projectors. H. F. Jermain. 1,974,921; Sept. 25.
- Sound attenuating device. R. B. Bourne. 1,954,516; Apr. 10.
- Sound-controlling device for talking picture apparatus. F. H. Owens. 1,942,068; Jan. 2.
- Sound controlling means. F. W. Elworthy. 1,975,201; Oct. 2.
- Sound damping intermediate layer for ceilings, walls, and the like. R. Doorentz. 1,974,951; Sept. 25.
- Sound deadener for walls, ceilings, etc. P. M. Heerwagen. 1,975,002; Sept. 25.
- Sound deadening board process. F. L. Carson. 1,956,091; Apr. 24.
- Sound, Device for amplifying and diffusing. A. F. Ephraïm. 1,962,300; June 12.
- Sound, Device for producing. O. Christenson. 1,963,075; June 19.
- Sound device with inclined diaphragms, Subaqueous. H. Hecht. 1,974,920; Sept. 25.
- Sound energy translating apparatus. R. L. Wegel. 1,961,410; June 5.
- Sound from records, Apparatus for reproducing. W. E. Williams. 1,944,202; Jan. 23.
- Sound from sound film records, Reproduction of. H. Könnemann. 1,946,404; Feb. 6.
- Sound images on films or plates by means of the chromate process, Production of. C. Roehrich. 1,971,276; Aug. 21.
- Sound light ray intensity control. J. Engl. 1,984,208; Dec. 11.
- Sound locator and computer for aircraft. F. R. House. 1,976,727; Oct. 16.
- Sound measuring system. H. C. Harrison. 1,968,448; July 31.
- Sound, Method and apparatus for producing. G. Ramsey. 1,951,669; Mar. 20.
- Sound, Method and apparatus for studying. F. M. Robb. 1,964,929; July 3.
- Sound on cinematograph sound films, Apparatus for reading. A. G. Joannides. 1,957,539-40; May 8.
- Sound-on-film apparatus. C. Tappan. 1,953,139; Apr. 3.
- Sound-on-film reproducing apparatus. C. Tappan. 1,954,187; Apr. 10.
- Sound on films, Apparatus for recording or reproducing. A. G. Joannides. 1,975,231; Oct. 2.
- Sound on photographic films, Apparatus for recording. T. Lindenberg, jr. 1,975,279; Oct. 2.
- Sound or air wave apparatus. C. W. Rice. 1,973,673; Sept. 11.
- Sound photographically, Recording. F. H. Owens. 1,943,925; Jan. 16.
- Sound pick-up device. H. F. Olson and J. Weinberger. Re19,115; Mar. 13.
- Sound picture projector. O. M. Glunt and E. W. Gent. 1,955,801; Apr. 24.
- Sound producing apparatus. R. V. Northey. 1,979,048; Oct. 30.
- Sound producing articles, Making. J. B. Hawley. 1,984,018; Dec. 11.
- Sound producing means and producing the same, Fibrous. J. B. Hawley. 1,952,169; Mar. 27.
- Sound producing mechanism. W. A. Eaton. 1,947,336; Feb. 13.
- Sound, Production of. E. W. Kellogg. 1,983,377; Dec. 4.
- Sound-projector moving, orienting, and tilting apparatus. H. D. Morton. 1,971,828; Aug. 28.
- Soundproof ventilator. J. Weinberger. 1,955,479; Apr. 17.
- Sound-receiving and transmitting system. C. M. Fox. 1,975,932; Oct. 9.
- Sound receiving apparatus. I. C. Clement. 1,960,240; May 29.
- Sound record. G. Schneider. 1,954,026; Apr. 10.
- Sound record and preparing same. W. O. Herrmann. 1,983,030; Dec. 4.
- Sound record composition and making. F. Frank. 1,977,940; Oct. 23.
- Sound record of condensation products of polyvinyl alcohol-aldehyde condensation product. F. Schmidt. 1,956,837; May 1.
- Sound record, Translucent. P. A. Robbins. 1,956,626; May 1.
- Sound, Recording. A. Hewitt. 1,976,560; Oct. 9.
- Sound recording. Z. J. Kegl. 1,946,215; Feb. 6.
- Sound, Recording. F. A. Mitchell. 1,958,634; May 15.
- Sound recording. B. E. G. Mittell and A. Whitaker. 1,951,198; Mar. 13.
- Sound recording. W. A. Mueller. 1,975,283; Oct. 2.
- Sound recording. J. Shaw. 1,976,374; Oct. 9.
- Sound, Recording and indicating. E. H. Foley. 1,984,406; Dec. 18.
- Sound recording and reproducing apparatus. T. Cohen. 1,949,409; Mar. 6.
- Sound recording and reproducing apparatus. F. H. Owens. 1,970,102; Aug. 14.
- Sound recording and reproducing apparatus, Dual. F. H. Owens. 1,950,690; Mar. 13.
- Sound recording and reproducing apparatus for use in connection with motion pictures. J. H. Harvey. 1,955,497; Apr. 17.
- Sound recording and reproducing machine. R. F. Malina. 1,979,113; Oct. 30.
- Sound recording and reproducing system. C. M. Sinnott and M. E. Karns. 1,951,175; Mar. 13.
- Sound recording and reproducing system, Optical. J. Q. A. Holloway. 1,983,697; Dec. 11.
- Sound recording apparatus. H. E. Metcalf. 1,969,143; Aug. 7.
- Sound-recording apparatus. A. G. Zimmerman. 1,943,357; Jan. 16.
- Sound recording, Electric. G. L. Dimmick. 1,955,378; Apr. 17.
- Sound recording glow lamp. T. W. Case. 1,970,223; Aug. 14.
- Sound recording on motion picture film. J. C. Fonda. 1,947,290; Feb. 13.
- Sound recording system. R. Schmidt. 1,959,739; May 22.
- Sound recording system. C. R. Skinner. 1,985,584; Dec. 25.
- Sound records, Making. L. A. Jones. 1,962,310; June 12.
- Sound records, Method and apparatus for recording and reproducing photographic. F. H. Owens. 1,946,589; Feb. 13.
- Sound records, Recording and reproducing photographic. F. H. Owens. 1,942,066; Jan. 2.
- Sound records, System for correcting. R. J. Pomeroy. 1,956,081; Apr. 24.
- Sound reproducer. R. B. Campbell. 1,984,963; Dec. 18.
- Sound reproducer. A. C. Keller. 1,981,793; Nov. 20.
- Sound reproducer. H. R. Parshall. 1,959,005; May 15.
- Sound reproducer. S. A. Sollie. 1,948,361; Feb. 20.
- Sound reproducer, Dynamic. V. A. Schlenker. 1,966,564; July 17.
- Sound reproducers, Making. P. L. Jensen. 1,941,476; Jan. 2.
- Sound reproducers, Making magnetic. P. L. Jensen. 1,941,477; Jan. 2.
- Sound reproducing apparatus. E. F. W. Alexanderson. 1,978,183; Oct. 23.
- Sound reproducing apparatus. R. E. Bowley. 1,970,837; Aug. 21.
- Sound reproducing apparatus. A. J. Cawley. 1,962,055; June 5.

- Sound reproducing apparatus. J. C. Douw. 1,952,539; Mar. 27.
- Sound reproducing apparatus. W. A. Henderson and H. C. Arnold. 1,951,931; Mar. 20.
- Sound reproducing apparatus. H. Küchenmeister. 1,952,809; Mar. 27.
- Sound reproducing apparatus. H. B. Marvin. 1,959,170; May 15.
- Sound reproducing apparatus. J. H. McNabb. 1,954,392; Apr. 10.
- Sound reproducing apparatus. F. H. Owens. 1,950,090; Mar. 6.
- Sound reproducing apparatus, Electric. G. S. Holly. 1,961,665; June 5.
- Sound reproducing device. H. K. Bouvier and F. Wells. 1,970,038; Aug. 14.
- Sound reproducing device. E. S. Pridham. 1,953,542; Apr. 3.
- Sound reproducing device. J. M. Robinson. 1,949,184; Feb. 27.
- Sound reproducing device. H. R. Van Deventer. 1,985,390; Dec. 25.
- Sound reproducing device. H. R. Van Deventer and S. C. McKeown. 1,985,389; Dec. 25.
- Sound reproducing device of the electrodynamic or moving-coil type. L. W. Murkham and D. T. Bennett. 1,951,311; Mar. 13.
- Sound reproducing diaphragmatic members and making the same, Fibrous. J. B. Hawley. 1,984,019; Dec. 11.
- Sound reproducing instrument. F. A. Mitchell. 1,944,258; Jan. 23.
- Sound reproducing machine. W. D. La Rue. 1,942,864; Jan. 9.
- Sound reproducing machine. T. W. Small. 1,971,584; Aug. 28.
- Sound reproducing method. J. E. Languelin. 1,949,840; Mar. 6.
- Sound reproducing system. G. B. Scheibell. 1,950,011; Mar. 6.
- Sound reproducing system. J. I. Taylor. 1,965,913; July 10.
- Sound reproduction. J. G. Capstaff. 1,969,451; Aug. 7.
- Sound reproduction. A. M. Nicholson. Re19,051; Jan. 16.
- Sound reproduction. Device for. W. Six and W. Metzelaar. 1,973,360; Sept. 11.
- Sound signaling method and apparatus. J. F. Key. 1,961,767; June 5.
- Sound system. H. J. Hasbrouck and R. H. Dreisbach. 1,952,167; Mar. 27.
- Sound, System for recording. O. A. Ross. 1,943,556; Jan. 16.
- Sound translating device. H. V. Knauf, jr. 1,960,016; May 22.
- Sound-translating device. A. S. Ringel. 1,951,531; Mar. 20.
- Sound translating device. A. L. Thuras. 1,954,966; Apr. 17.
- Sound translating device. H. R. Voorhees. 1,976,868; Oct. 16.
- Sound transmission. Method and apparatus for. R. A. Fessenden. 1,965,226; July 3.
- Sound unit. A. I. Abrahams. 1,942,776; Jan. 2.
- Sound wave producing device. M. Morrison. 1,946,098; Feb. 6.
- Sounds and pictures, Apparatus for and method of synchronously recording and reproducing. A. A. Canton. 1,965,173; July 3.
- Sounds of musical character, Apparatus for producing. A. H. Midgley. 1,950,859; Mar. 13.
- Souvenir medal. B. S. Burrell. Des. 92,943-4; Aug. 7.
- Space and current control for carbon arcs, Automatic. F. A. Berg. 1,959,654; May 22.
- Spaceband cleaner. H. B. Mooney. 1,944,014; Jan. 16.
- Spaceband for justifying matrix lines. H. R. Freund. 1,981,835; Nov. 20.
- Spaceband storage means for typographical machines. H. Bortmann. 1,978,379; Oct. 23.
- Space-current device. E. L. Bowles. 1,961,192; June 5.
- Space-current device. E. L. Bowles. 1,983,838; Dec. 11.
- Space-current device. N. C. Percy. 1,981,245; Nov. 20.
- Space discharge tube. A. Hund. 1,973,075; Sept. 11.
- Space heater. G. E. Pickup. Des. 93,046; Aug. 14.
- Space heater, Oil fired. H. L. Finley. Des. 94,126; Dec. 25.
- Spacer and tie for concrete forms. L. E. Schwaab. 1,978,963; Oct. 30.
- Spacer, Ball bearing. M. H. Sullivan. 1,974,127; Sept. 18.
- Spacer for joints in wall construction. H. A. Osborne. 1,943,485; Jan. 16.
- Spacing and carriage release mechanism, Variable. F. H. Trego. 1,964,749; July 3.
- Spacing conveyor. H. H. McKee and N. Dziedzic. 1,976,855; Oct. 16.
- Spacing member for multiple ducts. W. J. Madden. 1,959,633; May 22.
- Spanner wrench. O. Humburg. 1,964,121; June 26.
- Spar, Decolorizing heavy. M. Schiechel. 1,941,626; Jan. 2.
- Spare tire lock. S. Wise. 1,965,680; July 10.
- Spare wheel carrier, Second. J. L. Gilmore. 1,977,722; Oct. 23.
- Spark arrester. L. R. Pyle. 1,982,691; Dec. 4.
- Spark arrester. C. A. Seley. 1,977,410; Oct. 16.
- Spark arrester cap for incinerators. W. H. Carrington. 1,962,633; June 12.
- Spark control device for internal combustion engines. L. Nudi. 1,956,332; Apr. 24.
- Spark controlling and indicating means. A. A. Guziel and A. Korff. 1,961,558; June 5.
- Spark gap. W. Ilberg. 1,946,695; Feb. 13.
- Spark gap for electric oscillations generators. M. L. Y. de Paniagua. 1,960,142; May 22.
- Spark ignition apparatus, Electromagnetic. K. Schaffler-Glössl. 1,974,490; Sept. 25.
- Spark indicator and controller. A. A. Guziel and A. Korff. 1,970,305; Aug. 14.
- Spark intensifier. F. W. Claybrook. 1,962,949; June 12.
- Spark intensifier for spark plugs. H. E. Newkirk. 1,951,989; Mar. 20.
- Spark intensifying device. J. D. Curtis. 1,982,950; Dec. 4.
- Spark plug. A. E. Anderson. 1,945,408; Jan. 30.
- Spark plug. R. Bozzarro. 1,968,735; July 31.
- Spark plug. J. C. Brand. 1,977,038; Oct. 16.
- Spark plug. H. D. De Long. 1,949,955; Mar. 6.
- Spark plug. C. G. Enry. 1,983,445; Dec. 4.
- Spark plug. E. Excoffier. 1,977,938; Oct. 23.
- Spark plug. P. J. Fitzgerald. 1,942,242; Jan. 2.
- Spark plug. M. T. Gaillard and W. J. Woodcock. 1,955,628; Apr. 17.
- Spark plug. A. A. Guziel and A. Korff. 1,982,866; Dec. 4.
- Spark plug. A. E. Herron and C. M. Lertzman. 1,960,309; May 29.
- Spark plug. C. M. Hoff and H. H. Blouch. 1,963,302; June 19.
- Spark plug. L. J. Jones. 1,943,481; Jan. 16.
- Spark plug. A. A. Kasarjian. 1,958,580; May 15.
- Spark plug. A. Kegresse. 1,962,073; June 5.
- Spark plug. W. E. Letterman. 1,970,046; Aug. 14.
- Spark plug. W. E. Lyons. 1,970,525; Aug. 14.
- Spark plug. E. E. Main. 1,961,240; June 5.
- Spark plug. E. W. Mitchell. 1,972,351; Sept. 4.
- Spark plug. H. J. Muir. 1,960,344; May 29.
- Spark plug. E. B. Nowosielski. 1,943,739; Jan. 16.
- Spark plug. E. B. Nowosielski. 1,959,383; May 22.
- Spark plug. E. B. Nowosielski. 1,963,714; June 19.
- Spark plug. M. O'Marra. 1,963,801; June 19.
- Spark plug. M. O'Marra. 1,985,192; Dec. 18.
- Spark plug. J. W. Parkin, jr. 1,962,669; June 12.
- Spark plug. G. M. Paulson. 1,959,639; May 22.
- Spark plug. W. W. Pillman. 1,946,809; Feb. 13.
- Spark plug. H. Rabezzana. 1,943,028; Jan. 9.
- Spark plug. H. Rabezzana. 1,950,629; Mar. 13.
- Spark plug. H. Rabezzana. 1,976,294; Oct. 9.
- Spark plug. W. H. Ruther. 1,967,480; July 24.
- Spark plug. G. A. Shell and B. Zetterlund. 1,968,225; July 31.
- Spark plug. B. F. Stitt. 1,957,397; May 1.
- Spark plug. L. J. Tetlow. 1,984,952; Dec. 18.
- Spark plug. J. M. Watts. 1,952,843; Mar. 27.
- Spark plug and making the same. O. C. Rohde. 1,968,314; July 31.
- Spark plug cleaning and setting tool. W. H. T. Isaacs. 1,985,410; Dec. 25.
- Spark plug electrode with resistance in center wire. H. Rabezzana. 1,960,316; May 29.
- Spark plug—flash ignition type. W. J. Stephenson. 1,945,870; Feb. 6.
- Spark plug for high compression engines. H. Rabezzana. 1,979,999; Nov. 6.
- Spark plug for internal combustion engines. H. Kohl and P. Scholz. 1,965,977; July 10.
- Spark plug, Shielded. L. A. Hyland. 1,950,408; Mar. 13.
- Spark plug, Shielded. G. M. Paulson. 1,959,442; May 22.
- Spark plug tester. H. Herbert. 1,973,870; Sept. 18.
- Spark plug with detachable electrode. A. E. Anderson. 1,945,409; Jan. 30.
- Spark plug wrench. J. H. Melvin. 1,980,073; Nov. 6.
- Spark plugs, Apparatus for making. T. W. Warren. 1,968,665; July 31.
- Spark plug. A. Möhrle. 1,984,313; Dec. 11.
- Spark plug for internal combustion engines. A. Kegresse. 1,962,079; June 5.
- Spark plug top. I. C. Brown. 1,949,858; Mar. 6.
- Spatula, Dental wax. O. R. Brandenburg. 1,966,374; July 10.
- Speaking tube. G. R. Martin. 1,955,139; Apr. 17.
- Speaker. O. J. and I. J. McCullough. 1,965,848; July 10.
- Specific gravity and electrolyte level indicator for batteries. H. B. Herdeg. 1,965,837; July 10.
- Specific gravity indicator. C. J. Dunzweiler and M. W. Severance. 1,956,984; May 1.
- Specific gravity of solid substances or bodies, Apparatus for determining the. W. A. Benton. 1,950,963; Mar. 13.
- Specimen-holding device. G. Gastrich. 1,964,462; June 26.
- Spectacle and eyeglass case. A. J. Pratt. 1,967,426; July 24.
- Spectacle and eyeglass frames and mountings, Producing. J. M. Byrne. 1,954,663; Apr. 10.
- Spectacle bow. G. P. Campbell. Des. 93,702; Oct. 30.
- Spectacle case and memorandum pad holder, Combined. F. Thellengerdes. 1,955,613; Apr. 17.
- Spectacle frame. W. D. Eglington. 1,975,685; Oct. 2.
- Spectacle frame. E. E. Emons. Des. 93,765; Nov. 6.
- Spectacle frame. G. E. Nerney. Des. 91,279; Jan. 2.
- Spectacle frame for eyeglasses or similar articles. E. Reynolds. Des. 92,318; May 22.

- Spectacle frame for eyeglasses or similar articles. E. Reynolds. Des. 92,331; May 22.
- Spectacle frame for eyeglasses or similar articles. E. Reynolds. Des. 92,926; July 31.
- Spectacle front. E. E. Emons. 1,976,661; Oct. 9.
- Spectacle front. G. P. Kimmel. Des. 93,771; Nov. 6.
- Spectacle front. G. E. Nerney. Des. 92,673; July 3.
- Spectacle front. E. Pappert. Des. 92,196-9; May 8.
- Spectacle lens. H. D. Beach. 1,955,047; Apr. 17.
- Spectacle, Shooting. M. Jeanneret. 1,985,170; Dec. 18.
- Spectacles. A. B. Belgard. 1,979,855; Nov. 6.
- Spectacles. F. Broomfield. 1,949,449; Mar. 6.
- Spectacles. E. E. Emons. 1,964,664; June 26.
- Spectacles. G. F. Kapernick. 1,984,136; Dec. 11.
- Spectacles. W. E. McDonnell. 1,970,504; Aug. 14.
- Spectacles. G. A. Thomson. 1,959,396; May 22.
- Spectacles, Folding. W. D. Eglinton. 1,975,894; Oct. 9.
- Spectacles, Folding. M. Klein. 1,970,044; Aug. 14.
- Spectacles, Lensless. C. C. Guthrie. 1,959,915; May 22.
- Spectacles or eyeglasses. W. D. Eglinton. 1,970,079; Aug. 14.
- Spectacles or similar articles, End piece for. E. Reynolds. Des. 92,320; May 22.
- Spectacles or similar articles, Pair of. E. Reynolds. Des. 92,317; May 22.
- Spectacles or similar articles, Pair of. E. Reynolds. Des. 92,319; May 22.
- Spectacles, Pair of. E. E. Emons. Des. 91,518; Feb. 20.
- Spectacles, Pair of. C. C. Norris. Des. 93,283; Sept. 11.
- Spectacles, Sun glass. M. M. Einson. 1,968,193; July 31.
- Spectra, Examining and photographically recording and reproducing. L. W. Skala. 1,962,866; June 12.
- Spectral analysis, Quantitative. O. S. Duffendack and R. A. Wolfe. 1,979,964; Nov. 6.
- Speech amplitude control. R. C. Mathes. 1,947,209; Feb. 13.
- Speed and direction of movement of aircrafts and moving targets, Apparatus for determining the. A. Clementi. 1,942,536; Jan. 9.
- Speed and drift indicator. P. V. Weems and H. Gatty. 1,964,012; June 26.
- Speed and footage indicator for motion picture machines. A. Kindelmann and E. Boecking. 1,957,172; May 1.
- Speed and pressure responsive regulator. C. S. Baker and R. M. Fingar. 1,972,617; Sept. 4.
- Speed, Apparatus for controlling. A. H. Mears. 1,954,884; Apr. 17.
- Speed capacitor motor, Adjustable. S. R. Begman. 1,952,155; Mar. 27.
- Speed change power transmission apparatus, Automatic. P. Ackerman. 1,969,289; Aug. 7.
- Speed changer. H. A. Jahraus. 1,958,756; May 15.
- Speed changing and coupling device. E. Ley. 1,954,418; Apr. 10.
- Speed changing device. C. M. Read. 1,971,166; Aug. 21.
- Speed changing device for movement registering mechanism. C. M. Read. 1,984,082; Dec. 11.
- Speed checking and control mechanism. C. R. Gallaway. 1,951,689; Mar. 20.
- Speed computing means, Average. G. M. Silling. 1,971,238; Aug. 21.
- Speed control. A. von Engel, R. G. Berthold, and R. Rüdtenberg. 1,985,003; Dec. 18.
- Speed control, Apparatus for. L. O. Heath. Re19,157; May 8.
- Speed control device for movable grids. C. J. Larsen. 1,941,989; Jan. 2.
- Speed control for bands. C. E. K. Mees and O. Sandvik. 1,976,355; Oct. 9.
- Speed control for stock quotation projectors, Variable. A. D. Eltzen. 1,944,173; Jan. 23.
- Speed control means for metal forming machines and the like. J. A. Hollander. 1,953,230; Apr. 3.
- Speed control mechanism. F. van der Woude. 1,984,442; Dec. 18.
- Speed control of induction motors. R. S. Thurston. 1,967,107; July 17.
- Speed control, System of. K. A. Holst. 1,971,141; Aug. 21.
- Speed controlled device. R. L. Blanchard. 1,951,921; Mar. 20.
- Speed-controlling device. E. H. Greibach. 1,962,303; June 12.
- Speed controlling device for web rolls. H. A. W. Wood. 1,973,363; Sept. 11.
- Speed coordinating mechanism, Electrically controlled. E. R. Smith and A. Schinkez. 1,961,090; May 29.
- Speed coordinating mechanism for machine tools. E. R. Smith and A. Schinkez. 1,961,089; May 29.
- Speed device, Change. F. C. Thompson. 1,966,874; July 17.
- Speed friction gear, Variable. E. Christiansen. 1,971,129; Aug. 21.
- Speed governing mechanism. W. C. Roe. 1,945,233; Jan. 30.
- Speed governor mechanism. O. Wittel. 1,957,871; May 8.
- Speed indicating device. R. Lemaigen. 1,979,163; Oct. 30.
- Speed-indicating device. G. W. Toney. 1,962,538; June 12.
- Speed indicating mechanism. E. B. Gargel. 1,971,178; Aug. 21.
- Speed keyer, High. S. G. Ellis. 1,977,380; Oct. 16.
- Speed mechanism, Automatic change. R. W. Todd. 1,944,585; Jan. 23.
- Speed mechanism, Change. P. Barthélemy. 1,973,519; Sept. 11.
- Speed mechanism, Change. J. W. Galloway. 1,974,267; Sept. 18.
- Speed mechanism, Constant. H. E. Nichols. 1,950,809-10; Mar. 13.
- Speed mechanism, Variable. J. P. Johnson. 1,982,670; Dec. 4.
- Speed power transmission mechanism, Variable. H. McGill. 1,983,916; Dec. 11.
- Speed reducer. M. B. Benson. 1,942,794; Jan. 9.
- Speed reduction gear. O. L. Lewis. 1,951,424; Mar. 20.
- Speed regulating device. E. de Luca. 1,961,416; June 5.
- Speed regulator. L. B. Mellichampe. 1,955,198; Apr. 17.
- Speed regulator and the like. M. Mooney. 1,979,398; Nov. 6.
- Speed regulator system. D. E. Trucksess. 1,962,333; June 12.
- Speed responsive apparatus. J. W. Logan, jr. 1,958,631; May 15.
- Speed responsive device, Electro-magnetic. J. K. Leibing. 1,967,092; July 17.
- Speed responsive means. H. T. Seeley. 1,958,250; May 8.
- Speed single phase motor, Variable. W. J. Morrill. 1,966,212; July 10.
- Speed split phase motor, Adjustable. E. J. Schaefer. 1,961,793; June 5.
- Speed transmission apparatus, Variable. E. S. Bush. 1,985,017; Dec. 18.
- Speed transmission, Automatic variable. H. T. Thomas. 1,950,580; Mar. 13.
- Speed transmission, Change. C. R. Waseige. 1,972,176; Sept. 4.
- Speed transmission for automobiles and the like. E. H. Lorelli. 1,971,824; Aug. 28.
- Speed transmission for machine tools, Variable. L. F. Nenninger. 1,965,253; July 3.
- Speed transmission gear, Hydraulic variable. J. Carter. 1,956,893; May 1.
- Speed transmission, Mechanical infinitive. F. Laessker. 1,956,447; Apr. 24.
- Speed transmission mechanism, Hydraulic infinitely variable. E. A. Vessey. 1,972,175; Sept. 4.
- Speed transmission mechanism, Variable. L. E. Hercher. 1,983,852; Dec. 11.
- Speed transmission mechanism, Variable. H. T. Thomas. 1,950,581; Mar. 13.
- Speed transmission, Selective. C. H. White. 1,962,223; June 12.
- Speed transmission, Variable. F. W. Armitage and E. G. Archer. 1,979,723; Nov. 6.
- Speed transmission, Variable. A. Y. Dodge. 1,948,847; Feb. 27.
- Speed transmission, Variable. A. Y. Dodge. 1,978,416; Oct. 30.
- Speed transmission, Variable. C. W. Floss. 1,968,288; July 31.
- Speed transmission, Variable. E. J. Foster. 1,954,767; Apr. 10.
- Speed transmission, Variable. A. A. Heinzelmann. 1,974,108; Sept. 18.
- Speed transmission, Variable. V. Kinser. 1,949,078; Feb. 27.
- Speed transmission, Variable. A. W. Kressin. 1,950,056; Mar. 6.
- Speed transmission, Variable. C. H. Miller. 1,973,576; Sept. 11.
- Speed transmission, Variable. F. S. Papez. 1,958,095; May 8.
- Speed transmission, Variable. W. C. Pitter. 1,945,702; Feb. 6.
- Speed transmission, Variable. L. Sweningson. 1,977,866; Oct. 23.
- Speed unit control, Variable. H. C. Clay, C. L. Irwin, and P. B. Reeves. 1,963,827; June 19.
- Speed unit, Variable. P. B. Reeves. 1,963,807; June 19.
- Speed-varying mechanism, Automatic. A. K. Antonsen. 1,964,494; June 26.
- Speedometer, Boat. T. W. Kenyon. 1,955,502; Apr. 17.
- Speedometer, Magnetic. C. T. Wallis and N. O. Marquart. 1,980,019; Nov. 6.
- Speedometer-odometer spring aligner. T. L. Lee. 1,950,617; Mar. 13.
- Speeds, Differentiation of. T. E. Piazze. 1,943,038; Jan. 9.
- Spherical container. H. C. Boardman. 1,953,949; Apr. 10.
- Spice product. R. B. McKinnis. 1,956,426; Apr. 24.
- Spigot for aerating liquids. F. Healy. 1,958,917; May 15.
- Spike for sport shoes. P. W. Bartel. 1,982,588; Nov. 27.
- Spike puller. G. W. Johnson. 1,961,050; May 29.
- Spike roller. P. Porter. 1,965,510; July 3.
- Spiked roller. G. H. A. Allen. 1,955,937; Apr. 24.
- Spile for a liquid container. T. W. Rieke. 1,945,495; Jan. 30.
- Spill-proof receptacle. H. C. Berry. 1,976,765; Oct. 16.
- Spin grip for athletes. K. Komarovskiy. Des. 93,115; Aug. 21.
- Spin pot. J. P. Laird. 1,955,136; Apr. 17.
- Spinner. A. Sisco. 1,946,641; Feb. 13.
- Spinner structure for aircraft. F. W. Caldwell and C. F. Rauen. 1,978,039; Oct. 23.
- Spinner, Trolling. B. D. Bell. 1,943,283; Jan. 16.

- Spinneret. K. Witte. 1,967,798; July 24.
Spinneret for the manufacture of rayon. K. Witte. 1,952,025; Mar. 20.
Spinnerette. E. S. Brumberger. 1,964,659; June 26.
Spinning. C. W. Palmer. 1,955,825; Apr. 24.
Spinning and like frame. J. J. Kayser. 1,963,135; June 19.
Spinning and twisting machinery. D. S. Seaman. 1,978,001; Oct. 23.
Spinning centrifuge. W. zur Löwen. 1,954,510; Apr. 10.
Spinning frame. C. Morton. 1,983,181; Dec. 4.
Spinning frame. W. P. Williamson. 1,973,552; Sept. 11.
Spinning frames, Filling wind control for. H. E. Brooks and P. B. Reeves. 1,985,851; Dec. 25.
Spinning machine for spinning artificial silk. A. Wagner. 1,984,853; Dec. 18.
Spinning, Method of and apparatus for dry. W. Whitehead. 1,980,240; Nov. 13.
Spinning process. L. S. M. Lejeune and J. E. C. Bongrand. 1,959,723; May 22.
Spinning ring. H. C. Herr. 1,956,326; Apr. 24.
Spinning ring. H. E. Herr. 1,968,603; July 31.
Spinning ring. G. Kuwada. 1,960,784; May 29.
Spinning ring and traveler therefor. H. C. Herr. 1,955,293; Apr. 17.
Spinning ring holder, Pressed metal. G. Kuwada. 1,960,783; May 29.
Spinning solution. E. Kline. 1,956,034; Apr. 24.
Spinning solution and making same. J. D. W. Hubbeling. 1,979,268; Nov. 6.
Spinning unit. W. F. Bird. 1,969,685; Aug. 7.
Spinach for canning, Preparing. E. R. Anderson. 1,982,944; Dec. 4.
Spinal massage apparatus. T. M. Parker. 1,978,223; Oct. 23.
Spindle. F. G. Kraft. 1,972,150; Sept. 4.
Spindle. A. Marchev. 1,967,767; July 24.
Spindle adjustment. R. A. Carlson. 1,948,507; Feb. 27.
Spindle and collet for tappet and valves. H. C. Preston. 1,957,848; May 8.
Spindle and king pin gauge. C. C. Bennett. 1,985,306; Dec. 25.
Spindle and making same, Hollow. R. D. Tarr and E. M. Mason. 1,953,573; Apr. 3.
Spindle and ring beams of spinning, twisting and the like machines. Device for lifting and lowering the. J. J. Keyser. 1,946,699; Feb. 13.
Spindle and spindle receptacle. J. K. Duncan and R. Weide. 1,955,489; Apr. 17.
Spindle connector. A. W. Mall. 1,943,980; Jan. 16.
Spindle construction. A. G. Lyons and W. H. Sterrett. 1,970,758; Aug. 21.
Spindle, Cork covered. H. E. Collins. 1,941,738; Jan. 2.
Spindle for a reeling device. N. B. Green. 1,957,884; May 8.
Spindle for net making machines. Y. Okuma. 1,943,226; Jan. 9.
Spindle, Grinding wheel. P. Davey. 1,979,146; Oct. 30.
Spindle head for drilling machines. Indexible multiple. L. L. Schauer. 1,945,084; Jan. 30.
Spindle mechanism for gas engine valve reseaters. B. B. Ramey and W. C. Sessions. 1,975,904; Oct. 9.
Spindle mounting for creels. F. B. Javery. 1,961,694; June 5.
Spindle pin, Adjustable. S. Gulan, sr., and S. P. Gulan, jr. 1,946,738; Feb. 13.
Spindle retainer. I. R. Rowe. 1,980,357; Nov. 13.
Spindle stop for automatic machines. H. W. Ruppel. 1,952,287; Mar. 27.
Spindle swing for spinning machines. W. D. Leinbach. 1,956,449; Apr. 24.
Spindle swing for twisting machines. O. W. Schaum. 1,980,358; Nov. 13.
Spindle, Trolley wheel. M. Volpe. 1,953,662; Apr. 3.
Splash guard attaching device for vehicle fenders. C. A. Persons. 1,984,280; Dec. 11.
Splice for lead sheathed cables. A. Z. Mample. 1,983,042; Dec. 4.
Splice vulcanizing apparatus. A. B. Mullin. 1,944,754; Jan. 23.
Splicer, Welding. J. T. Morgan. 1,952,561; Mar. 27.
Splint, Adjustable humerus. G. E. Tornsjö. 1,950,331; Mar. 6.
Splint, Surgical. J. J. Ettinger. 1,961,118; May 29.
Splint, Surgical. E. E. Longfellow. 1,964,694; June 26.
Splint, Traction. A. B. Moran. 1,976,244; Oct. 9.
Split cycle motor. T. J. Murphy. 1,963,669; June 19.
Split reduction device. T. H. Thomas. Re19,313; Sept. 11.
Split ring fitting machine. C. E. Storer. 1,966,744; July 17.
Split roller coupling. O. A. Banner. 1,979,306; Nov. 6.
Sponge fishing net. G. Lafredo and S. Balzano. 1,959,793; May 22.
Sponge holder. J. D. Garvey. 1,941,550; Jan. 2.
Sponge iron manufacture. W. D. Brown. 1,984,727; Dec. 18.
Sponge or the like, Bath. C. R. C. Borden. 1,943,365; Jan. 16.
Sponge rubber article. P. J. Ritter. 1,963,560; June 19.
Sponge rubber articles, Making. R. E. Riley. 1,983,677; Dec. 11.
Sponge rubber, Manufacturing. H. R. Minor. 1,964,739; July 3.
Sponge rubber, Manufacturing strip. F. M. Netzel. 1,949,175; Feb. 27.
- Sponge rubber strips, Manufacturing. H. M. Dodge. 1,978,041; Oct. 23.
Sponges, Manufacture of artificial. H. Mostny. 1,974,393; Sept. 18.
Spool. P. Brown and W. E. Wardwell. 1,951,748; Mar. 20.
Spool. R. Etzkorn. 1,947,642; Feb. 20.
Spool. P. T. Kelley. 1,965,651; July 10.
Spool. O. Vogl. 1,967,341; July 24.
Spool and its manufacture. T. G. Baxenden and J. R. Collyear. 1,985,760; Dec. 25.
Spool and manufacturing the same. D. G. Baker. 1,958,840; May 15.
Spool box. F. de Castro-Barberena. 1,946,276; Feb. 6.
Spool, Contractible. A. E. Stein. 1,969,281; Aug. 7.
Spool cover for typewriting machines. C. H. Billis. Des. 93,154; Aug. 28.
Spool covering machine. F. M. Womeldorf. 1,970,506; Aug. 14.
Spool for adhesive tape. W. C. Mills. 1,973,771; Sept. 18.
Spool for motion picture film, Collapsible. A. W. Tondreau. 1,979,423; Nov. 6.
Spool for photographic films. T. G. Baxenden and J. R. Collyear. 1,942,951; Jan. 9.
Spool for tube frames and the like, Sectional. E. F. Hathaway and W. Bixby. 1,980,586; Nov. 13.
Spool for tube frames, Yarn. W. Bixby. 1,962,086; June 5.
Spool holder. H. O. Barone. Des. 93,378; Sept. 25.
Spool holder. R. J. Gollong. 1,956,193; Apr. 24.
Spool holder. R. J. Gollong. 1,959,159; May 15.
Spool holder. E. C. Shank. 1,954,228; Apr. 10.
Spool holder. O. Vogl. 1,952,738; Mar. 27.
Spool holder and dispenser, Combined. L. Albert. Des. 92,939; Aug. 7.
Spool holder or the like. E. F. Rawlings. 1,976,037; Oct. 9.
Spool holding means. R. Gollong. 1,975,743; Oct. 2.
Spool, Knock-down. J. H. Kjellstrom. 1,985,505; Dec. 25.
Spool or bobbin for roll films. P. Schwarz. 1,979,412; Nov. 6.
Spool stand. W. A. Wallsten. 1,984,712; Dec. 18.
Spool structure. V. F. Rea. 1,985,742; Dec. 25.
Spool, Tape. A. G. Hopkins. 1,951,151; Mar. 13.
Spool winding apparatus. J. Lambeck. 1,968,406; July 31.
Spool, Yarn. W. Bixby. 1,942,680; Jan. 9.
Spool, Yarn. W. H. Wilson. 1,984,244; Dec. 11.
Spooling apparatus. E. J. McIlvried and J. C. Bittman. 1,981,563; Nov. 20.
Spooling machine. E. G. Crooks. 1,964,785; July 3.
Spooling machine. M. P. Durand. 1,975,037; Sept. 25.
Spools, Construction of. T. G. Baxenden and J. R. Collyear. 1,942,952; Jan. 9.
Spoon. H. M. Ballou, C. A. Joslin, and L. W. Wilkin. Des. 92,997; Aug. 14.
Spoon. C. A. Ertola and A. L. Slee. 1,980,477; Nov. 13.
Spoon. F. M. Pisculli. 1,984,081; Dec. 11.
Spoon. A. J. Thompson. Des. 92,138; May 1.
Spoon, Feeding. F. Adler. Des. 93,644; Oct. 23.
Spoon for feeding children and for dispensing medicines. W. Busch. 1,961,547; June 5.
Spoon holder. F. S. Matteson. Des. 92,667; July 3.
Spoon, Measuring. C. J. Stuart. Des. 92,118; Apr. 24.
Spoon or article of analogous nature. H. E. Nock. Des. 92,106; Apr. 24.
Spoon or article of analogous nature. H. E. Nock. Des. 93,180; Aug. 28.
Spoon or other article of flatware. E. J. Conroy. Des. 91,511; Feb. 20.
Spoon or other article of flatware. M. A. Downs. Des. 92,951; Aug. 7.
Spoon or other article of flatware. M. A. Downs. Des. 93,762; Nov. 6.
Spoon or other article of flatware. L. V. M. Helander. Des. 92,444; June 5.
Spoon or other article of flatware. L. V. M. Helander. Des. 92,906; July 31.
Spoon or other article of flatware. L. V. M. Helander. Des. 92,907; July 31.
Spoon or other article of flatware. A. G. Kintz. Des. 92,722; July 10.
Spoon or similar article. G. N. Allen, M. P. Fleming, and L. E. Resseger. Des. 93,698; Oct. 30.
Spoon or similar article. G. N. Allen and M. G. Parker. Des. 92,568; June 26.
Spoon or similar article. G. A. Feinauer. Des. 94,023; Dec. 11.
Spoon or similar article. A. J. Germain. Des. 92,342; May 29.
Spoon or similar article. F. W. Koonz. Des. 92,178; May 8.
Spoon or similar article. J. R. Price. Des. 91,281; Jan. 2.
Spoon or similar article. C. F. Simms. Des. 92,042; Apr. 17.
Spoon or similar article. F. S. Trumbull. Des. 91,795; Mar. 20.
Spoon or similar article. F. S. Trumbull. Des. 92,988; Aug. 7.
Spoon or similar article. J. Vassos. Des. 94,059; Dec. 11.
Spoon or similar article. W. S. Warren. Des. 92,220; May 8.
Spoon or similar article. W. S. Warren. Des. 92,689; July 3.
Spoon or similar article. W. S. Warren. Des. 93,955; Nov. 27.

- Spoon or similar article. W. S. Warren. Des. 94,060; Dec. 11.
- Spoon or similar article. M. J. Wiese. Des. 93,078; Aug. 14.
- Spoon or similar article. F. R. Woodward. Des. 92,789; July 10.
- Spoon, Serving. G. L. Bumbaugh. Des. 93,270; Sept. 11.
- Spoon support means for containers. A. G. Thatcher. 1,943,639; Jan. 16.
- Spoon, Trolling. J. H. Jensen. 1,978,843; Oct. 30.
- Spoon, Trolling. A. J. Reinard. 1,969,944; Aug. 14.
- Spoon, Trolling. E. Sylvan. Des. 93,800; Nov. 6.
- Spoon, Trolling. E. Yeo. 1,956,783; May 1.
- Sporting articles, Construction of. P. V. Paul. 1,949,325; Feb. 27.
- Spot locating and drying apparatus. J. R. Holder. 1,984,267; Dec. 11.
- Spot-welding device, Portable. S. Friesen. 1,976,552; Oct. 9.
- Spot welding machine. M. S. Clark. Des. 91,316; Jan. 9.
- Spotted effects on novelties etc., Producing. D. Sweeney. 1,979,084; Oct. 30.
- Spout and closure. G. R. Lee. 1,981,112; Nov. 20.
- Spout and closure for containers, Combined. W. F. Punte. 1,984,597; Dec. 18.
- Spout and cut-off. Slag-tapping. J. B. Gaffney and R. M. Hardgrove. 1,962,343; June 12.
- Spout and strainer, Pouring. J. F. Hurley. 1,959,584; May 22.
- Spout, Detachable. C. H. Matthiessen, jr. 1,979,337; Nov. 6.
- Spout for bags, Pouring. J. J. Hickman. 1,973,956; Sept. 18.
- Spout for cans, Pouring. W. Karsel. 1,952,674; Mar. 27.
- Spout for containers. R. W. Van Deerlin and M. Urban. 1,959,295; May 15.
- Spout for containers, Pouring. T. E. Barnes and W. F. Cobb. 1,944,058; Jan. 16.
- Spout for containers, Pouring. A. Read. 1,954,576; Apr. 10.
- Spout for liquid dispensing cans. J. T. Roth and E. W. Vahle. 1,966,082; July 10.
- Spout for receptacles, Pouring. T. N. Griffith. 1,953,854; Apr. 3.
- Spout, Grain. S. J. Goodfellow. 1,981,413; Nov. 20.
- Spout, Oil bottle. G. K. Scribner. 1,983,101; Dec. 4.
- Spout or chute, Extension. W. R. Rhine. 1,946,760; Feb. 13.
- Spouts, Apparatus for making pouring. J. M. Hothersall. 1,953,079; Apr. 3.
- Spouts to cans, Apparatus for attaching pouring. G. W. Chalmers. 1,979,793; Nov. 6.
- Sprag device for automotive vehicles. V. Lancia. 1,933,472; Dec. 4.
- Spray appliance, Pneumatically controlled. S. Bramsen. 1,960,724; May 29.
- Spray, Bath. S. Isenberg. Des. 94,146; Dec. 25.
- Spray coating machine. W. B. Roberts. 1,964,790; July 3.
- Spray device. J. H. Fancher. 1,965,633; July 10.
- Spray device. L. H. Moore. 1,981,704; Nov. 20.
- Spray device. W. E. Pearl. 1,945,701; Feb. 6.
- Spray device, Adjustable. J. Tyler. 1,951,587; Mar. 20.
- Spray dried products and apparatus therefor, Conditioning. W. S. Bowen. 1,946,566; Feb. 13.
- Spray forming and air conditioning device. R. L. Payne and G. E. Marica. 1,948,278; Feb. 20.
- Spray head. E. G. Munz. 1,964,269; June 26.
- Spray head. C. A. Schacht. 1,949,334; Feb. 27.
- Spray head. C. A. Schacht. 1,967,784; July 24.
- Spray head. F. Wahlin. 1,961,408; June 5.
- Spray tip for an oil burner or the like. W. V. Czarnecki jr. Des. 93,865; Nov. 20.
- Sprayer. I. O. Altenburger and N. W. De Frees. 1,979,135; Oct. 30.
- Sprayer. C. D. Cummings. 1,943,655; Jan. 16.
- Sprayer. S. Farro. 1,968,383; July 31.
- Sprayer. E. S. Lynger. 1,972,531; Sept. 4.
- Sprayer. A. Madsen. 1,983,627; Dec. 11.
- Sprayer. J. W. Patterson. 1,957,845; May 8.
- Sprayer. R. C. Seyforth. 1,943,092; Jan. 9.
- Sprayer employed in watering areas of land. W. Kind, G. Schenk, and H. R. Busch. 1,984,531; Dec. 18.
- Sprayer for furnaces, Air. T. W. Price. 1,962,212; June 12.
- Sprayer, Liquid. N. Meurer. 1,948,306; Feb. 20.
- Sprayer, Powder. F. R. Maurer. 1,952,765; Mar. 27.
- Sprayer, Rotary. H. C. Lassen. 1,977,882; Oct. 23.
- Spraying apparatus. O. H. Biggs and L. E. Cobb. 1,956,637; May 1.
- Spraying apparatus. A. G. Perkins. 1,942,876; Jan. 9.
- Spraying attachment for vacuum cleaners. J. Tuteur. 1,950,201; Mar. 6.
- Spraying construction. W. R. Brown. 1,957,527; May 8.
- Spraying device. W. H. Andrews. 1,957,686; May 8.
- Spraying device. N. W. De Frees. 1,961,924; June 5.
- Spraying device. C. Iddings. 1,941,898; Jan. 2.
- Spraying device. H. B. Karter. 1,981,623; Nov. 20.
- Spraying device. E. Z. Munz. 1,975,903; Oct. 9.
- Spraying device. G. L. Neely. 1,948,533; Feb. 27.
- Spraying device. J. C. Purdie. 1,964,080; June 26.
- Spraying device. M. Russell. 1,968,173; July 31.
- Spraying fixture. O. A. Krenke. 1,964,263; June 26.
- Spraying head. J. C. MacLachlan. 1,962,781; June 12.
- Spraying machine. H. C. Cole. 1,978,566; Oct. 30.
- Spraying machine. R. T. Smith. 1,970,984; Aug. 21.
- Spraying machine, Decorative. F. C. Flint and C. B. Wiles. 1,959,711; May 22.
- Spraying or burning machine. S. Gars. 1,961,877; June 5.
- Spread sheet control machine. M. E. O'Brien. 1,984,199; Dec. 11.
- Spreader. R. E. Smith. 1,971,432; Aug. 28.
- Spreader attachments for trucks. A. L. Walborn. 1,982,773; Dec. 4.
- Spreader, Fertilizer and like. W. L. Lindgren. 1,948,861; Feb. 27.
- Spreader for opposed spider welding machines. W. A. Weightmann. 1,954,760; Apr. 10.
- Spreader for paste tubes. J. J. Schmerler. 1,982,833; Dec. 4.
- Spring: See—
- Alloy steel spring. Railway truck spring.
 - Bed spring. Rubber spring.
 - Bimetallic spring. Shock absorbing spring.
 - Friction spring. Sliding door spring.
 - Leaf spring. Starter spring.
 - Pneumatic spring. Vehicle spring.
 - Rail joint spring. Wire spring.
- Spring. P. O. F. Vorwerk. 1,946,340; Feb. 6.
- Spring. R. C. Winders. 1,974,405; Sept. 18.
- Spring adjustment means. E. D. Davis. 1,971,134; Aug. 21.
- Spring anchoring means, Upholstering. H. B. Duffield. 1,952,059; Mar. 27.
- Spring and absorption means, Combined. T. H. Symington and P. R. Drenning. 1,956,108; Apr. 24.
- Spring and stabilizer. F. R. Hahn. 1,952,128; Mar. 27.
- Spring, Apparatus for making a volute. W. E. Wine. 1,976,871; Oct. 16.
- Spring arrangement for resilient wheels. H. H. B. Deane. 1,984,255; Dec. 11.
- Spring assemblies, Manufacturing. J. F. Gail. 1,948,754; Feb. 27.
- Spring assembly. C. D. Karr. 1,964,950; July 3.
- Spring assembly. W. E. Wunderlich. 1,982,941; Dec. 4.
- Spring assembly for upholstery. L. A. Suekoff. 1,951,850; Mar. 20.
- Spring assembly for vehicle chassis. J. Fraser. 1,972,014; Aug. 28.
- Spring assembly structure. K. D. Steadley. 1,974,347; Sept. 18.
- Spring assembly unit. C. T. Dyer. 1,962,436; June 12.
- Spring balance. T. W. Bache. Des. 92,384; June 5.
- Spring bracket, Adjustable helper. H. R. Uffelman. 1,959,118; May 15.
- Spring bridge and mountings for eyeglasses. G. J. Lowres. 1,953,177; Apr. 3.
- Spring clutch. C. H. Barton. 1,972,915; Sept. 11.
- Spring clutch. W. C. Starkey. 1,946,816; Feb. 13.
- Spring clutch. W. C. Starkey. 1,953,370; Apr. 3.
- Spring clutch. W. C. Starkey. 1,966,267; July 10.
- Spring clutch. W. C. Starkey. 1,983,824; Dec. 11.
- Spring clutch. W. C. Starkey. 1,985,387; Dec. 25.
- Spring coiling device, Helical. W. H. Moon. 1,946,870; Feb. 13.
- Spring compressor. H. L. and M. L. Cobb. 1,962,002; June 5.
- Spring connection. E. H. Cooper, R. R. Searles, and J. W. Smith. 1,961,128; June 5.
- Spring connection. E. H. Cooper, R. R. Searles, J. W. Smith, and L. C. Houston. 1,969,691; Aug. 7.
- Spring connection. R. R. Searles. 1,955,097; Apr. 17.
- Spring connection. R. R. Searles. 1,955,254; Apr. 17.
- Spring connection. R. R. Searles. 1,971,967; Aug. 28.
- Spring connection. J. W. Smith. 1,944,766; Jan. 25.
- Spring connection. J. W. Smith. 1,945,237; Jan. 30.
- Spring connection. J. W. Smith. 1,955,102; Apr. 17.
- Spring connection. R. F. Steeneck. 1,974,590; Sept. 25.
- Spring construction. D. G. Shannon. 1,973,157; Sept. 11.
- Spring construction and making same. O. Hetherington. 1,919,347; Oct. 23.
- Spring construction for mattresses and the like, Inner. M. F. Bayer. 1,950,770; Mar. 13.
- Spring contact. R. W. Grace. 1,952,372; Mar. 27.
- Spring-controlling device. G. H. Taber. 1,971,357; Aug. 28.
- Spring counterbalance for vertically slidable doors. C. G. Johnson. 1,983,856; Dec. 11.
- Spring cover. J. M. Christman. 1,946,391; Feb. 6.
- Spring cover apparatus. V. W. Peterson. 1,981,189; Nov. 20.
- Spring covers, Method of and machine for applying metal. J. M. Christman. 1,981,090; Nov. 20.
- Spring covers to springs, Apparatus for applying. W. R. Chesley. 1,981,221; Nov. 20.
- Spring-cushion. O. M. Burton. 1,963,015; June 12.
- Spring cushion. A. L. Cucuel. 1,983,346; Dec. 4.
- Spring cushion construction. W. B. Foster. 1,972,397; Sept. 4.
- Spring cushion construction. H. F. Hager and C. F. McCoy. 1,977,476; Oct. 16.
- Spring cushion construction. E. W. Leonard. 1,962,871; June 12.
- Spring cushion for furniture. F. X. and A. W. Nemmer. 1,963,670; June 19.
- Spring device, Friction. O. R. Wikander. 1,941,521; Jan. 2.
- Spring drive. B. M. Leece. 1,962,993-4; June 12.
- Spring end connection. H. Colomb. 1,962,056; June 5.
- Spring expanding device. J. Tollonitsch. 1,951,953; Mar. 20.

- Spring fastener. G. A. Tinnerman. 1,971,881; Aug. 28.
 Spring for an automobile. Front. F. B. Bell and D. L. Hubbard. 1,965,447; July 3.
 Spring for automobiles, Self-lubricated. H. D. Geyer. 1,967,088; July 17.
 Spring for window sashes, Edge. S. E. Blessin. 1,976,767; Oct. 16.
 Spring forming machine. W. E. Wunderlich. 1,985,392; Dec. 25.
 Spring friction device. A. C. Davidson. 1,950,659; Mar. 13.
 Spring hanger. W. A. Tryon. 1,943,566; Jan. 16.
 Spring inserting machine, Coil. C. Lofman. 1,950,186; Mar. 6.
 Spring joint, Dove tail. T. E. Heppenstall. 1,954,242; Apr. 10.
 Spring manipulating tool. B. E. Dyal. 1,953,930; Apr. 10.
 Spring mechanism. E. L. Bronstein. 1,941,657; Jan. 2.
 Spring motor. W. W. Kelch. 1,952,713; Mar. 27.
 Spring motor. P. Zielinski. 1,984,206; Dec. 11.
 Spring mount and clamp for radial drill sleeves, Adjustable. D. C. Klausmeyer. 1,960,442; May 29.
 Spring nest, Snubbed. T. H. Symington. 1,943,492; Jan. 16.
 Spring of nickel-iron alloy. R. Straumann. 1,974,695; Sept. 25.
 Spring or resilient wheel. M. E. Bennett. 1,948,412; Feb. 20.
 Spring power mechanism. A. F. Fornelius. 1,977,546; Oct. 16.
 Spring reaction neutralizer. R. M. Cross. 1,946,613; Feb. 13.
 Spring reset limit switch, Reversible. O. G. Rutemiller and G. E. King. 1,944,761; Jan. 23.
 Spring seat. E. E. Hewitt. 1,943,670; Jan. 16.
 Spring shackle. H. W. Bell. 1,979,526; Nov. 6.
 Spring shackle. F. C. Booth. 1,951,335; Mar. 20.
 Spring shackle. J. P. Breynaert. 1,978,292; Oct. 23.
 Spring shackle. A. Hebner. 1,967,027; July 17.
 Spring shackle. W. A. Tryon. 1,955,841; Apr. 24.
 Spring shackle, Automobile. F. C. Hobler. 1,948,110; Feb. 20.
 Spring structure. W. A. Falls. 1,947,931; Feb. 20.
 Spring structure. W. A. Falls. 1,977,051; Oct. 16.
 Spring structure. H. Oltersdorf. 1,954,945; Apr. 17.
 Spring structure. R. L. Platt. 1,950,153; Mar. 6.
 Spring structure. G. G. Powers. 1,963,052; June 12.
 Spring structure. C. S. Reed. 1,948,130; Feb. 20.
 Spring structure. E. W. Schlappitz. 1,968,315; July 31.
 Spring structure. G. A. Stackhouse. 1,950,125; Mar. 6.
 Spring structure. D. H. Van Hove. 1,977,026; Oct. 16.
 Spring structure and making same, Spiral. F. C. Bouser. 1,971,765; Aug. 28.
 Spring structure, Coiled. W. B. Foster. 1,943,067; Jan. 9.
 Spring structure for railway trucks, Volute. C. J. Holland. 1,970,563; Aug. 21.
 Spring structure, Multicoil. R. Coopersmith. 1,985,020; Dec. 18.
 Spring suspension. R. K. Lee. 1,952,718; Mar. 27.
 Spring suspension for motor trucks. A. W. Scarratt and Reinehl. 1,982,456; Nov. 27.
 Spring suspension for motor vehicles. G. D. Bradstreet. 1,979,821; Nov. 6.
 Spring suspension for motor vehicles. C. Schwoerer. 1,965,433; July 3.
 Spring suspension for road vehicles, Shackleless. R. B. Fageol. 1,975,263; Oct. 2.
 Spring suspension for six-wheel vehicles. A. F. Masury. 1,957,072; May 1.
 Spring suspension for six wheel vehicles. A. F. Masury. 1,982,115; Nov. 27.
 Spring suspension for vehicle wheels. V. A. Nottoli. 1,984,694; Dec. 18.
 Spring suspension for vehicles. E. C. Goebert. 1,972,886; Sept. 11.
 Spring suspension for vehicles. J. K. Russell. 1,975,977; Oct. 9.
 Spring suspension for vehicles. G. A. Stanton. 1,946,769; Feb. 13.
 Spring suspension seat. G. Loeffler. 1,979,892; Nov. 6.
 Spring suspension, Vehicle. D. G. Roos. 1,946,948; Feb. 13.
 Spring system and list preventing means for automobiles. F. M. White. 1,952,400; Mar. 27.
 Spring terminal clip. J. Wachsmann. 1,976,312; Oct. 9.
 Spring toggle. H. W. Pleister. 1,956,623; May 1.
 Spring tooth for peanut pickers. P. L. Morris. 1,974,342; Sept. 18.
 Spring unit and assembly for railway car trucks. W. E. Wine. 1,956,336; Apr. 24.
 Spring unit and making the same. F. Burch. 1,959,048; May 15.
 Spring wire collar snubber. W. O. Dailey. 1,945,422; Jan. 30.
 Springs, Coiling of. F. H. Sleeper. 1,973,667; Sept. 11.
 Springs, Manufacture of. G. Masing and O. Dahl. 1,975,114; Oct. 2.
 Springs, Method and machine for producing. G. G. Powers and C. A. Rhinevault. 1,968,802; July 31.
 Springs, Resilient reflex. G. N. Hein. 1,961,489; June 5.
 Springs, Treating. P. O. F. Vorwerk. 1,947,927; Feb. 20.
 Sprinkler. W. F. Barrington. 1,942,271; Jan. 2.
 Sprinkler. G. Buelna and H. E. J. Vacher. 1,983,929; Dec. 11.
 Sprinkler. W. H. Coles and B. J. Nelson. 1,950,712; Mar. 13.
 Sprinkler. W. H. Coles and B. J. Nelson. 1,954,863; Apr. 17.
 Sprinkler. N. D. Jacobson. 1,962,308; June 12.
 Sprinkler. C. W. Lighthall. 1,976,030; Oct. 9.
 Sprinkler alarm switch. H. C. Kendall. 1,968,648; July 31.
 Sprinkler, Automatic. W. K. Hodgman, jr. 1,943,480; Jan. 16.
 Sprinkler, Combined salt and pepper. M. I. Baker. Des. 93,436; Oct. 2.
 Sprinkler device. W. O. Horne. 1,964,576; June 26.
 Sprinkler for an automatic bee-comb filler. D. E. Lhommedieu. 1,961,562; June 5.
 Sprinkler head. W. B. Clifford. 1,978,623; Oct. 30.
 Sprinkler head. D. E. Lindquist and P. Irving. 1,962,824; June 12.
 Sprinkler head. A. C. Rowley. 1,945,450; Jan. 30.
 Sprinkler, Illuminated lawn. G. E. Lundberg. 1,982,315; Nov. 27.
 Sprinkler, Irrigation. C. C. Strawn. 1,965,912; July 10.
 Sprinkler, Lawn. R. O. Burkhardt. 1,956,145; Apr. 24.
 Sprinkler, Lawn. E. L. Heverly and G. H. Hilgendorf. 1,943,073; Jan. 9.
 Sprinkler, Lawn. C. Norland. 1,950,512; Mar. 13.
 Sprinkler, Lawn. R. E. Sumner. 1,964,225; June 26.
 Sprinkler, Lawn. C. S. Tracy. 1,962,263; June 12.
 Sprinkler, Rotary cam drive. W. A. Buckner. 1,970,126; Aug. 14.
 Sprinkler support, Portable. W. Wadsworth. 1,959,886; May 22.
 Sprinkler, Traveling. L. H. Adamson. 1,975,596; Oct. 2.
 Sprinkler, Water. M. C. Bersted. 1,942,395; Jan. 9.
 Sprinkling capability of finely granular table salt. W. Daitz. 1,978,040; Oct. 23.
 Sprinkling device. S. J. Hollingworth. 1,968,396; July 31.
 Sprinkling device. C. J. Van Doren. 1,964,097; June 26.
 Sprinkling means, Adjustable lawn. E. J. Sweetland. 1,982,840; Dec. 4.
 Sprinkling means, Lawn. E. J. Sweetland. 1,962,534; June 12.
 Sprinkling system. J. D. Garvey. 1,977,381; Oct. 16.
 Sprinkling system. G. H. Leland. 1,979,477; Nov. 6.
 Sprocket and chain construction. T. S. Miller and L. L. J. L. and S. L. Chong. 1,970,763; Aug. 21.
 Spud for toilet bowls. J. A. Robinson, sr. 1,978,958; Oct. 30.
 Sputum cup, Sanitary and antiseptic. M. W. St. John. 1,941,635; Jan. 2.
 Squalene and oil containing squalene, Sulphonation of. H. M. Bunbury, W. A. Sexton, and A. Stewart. 1,961,683; June 5.
 Square. T. Kolarovic. 1,971,267; Aug. 21.
 Square, Combination. E. P. Powe. 1,974,930; Sept. 25.
 Square, Combination. A. L. Stowell. 1,984,951; Dec. 18.
 Square, level, and protractor, Combination. S. B. Woodward. 1,972,122; Sept. 4.
 Square, Plumb level. A. E. Radke and J. E. Walter. 1,963,805; June 19.
 Squeegie. J. Freud. 1,978,192; Oct. 23.
 Squeegie, Floor. J. M. Oberli. 1,964,134; June 26.
 Squeegie holder. H. T. Barlow. 1,952,476; Mar. 27.
 Squeezer, Fruit. R. V. Derrah. 1,959,615; May 22.
 Squeezing apparatus. A. E. Read. 1,944,904; Jan. 30.
 Squill, Extracting cardio-active principles of. C. S. Dyas. 1,972,876; Sept. 11.
 Stabilization and absorption process, Combined. O. C. Brewster. 1,976,212; Oct. 9.
 Stabilizer. E. G. Goodwin. 1,951,547; Mar. 20.
 Stabilizer. W. Lenze. 1,970,859; Aug. 21.
 Stabilizer. E. F. Oates. 1,975,119; Oct. 2.
 Stabilizer and shock-absorber for automobiles, Simplified. C. B. Huntman. 1,971,961; Aug. 23.
 Stabilizer for aeroplanes. A. B. Gardner. 1,972,336; Sept. 4.
 Stabilizer for car trucks. E. H. Schmidt. 1,942,188; Jan. 2.
 Stabilizer for centrifugal extractors and the like. J. F. Tholl. 1,966,420; July 10.
 Stabilizer for motor vehicles. M. J. Davis. 1,967,997; July 24.
 Stabilizer for motor vehicles. P. Wilmart. 1,952,958; Mar. 27.
 Stabilizer for sliding closures. H. B. Wuebling. 1,983,959; Dec. 11.
 Stabilizer, Gas pressure. G. M. Deming. 1,984,868; Dec. 18.
 Stabilizer, Gyroscopic vehicle steering. I. A. Weaver. 1,945,874; Feb. 6.
 Stabilizer, High frequency. L. A. Hyland. 1,942,602; Jan. 9.
 Stabilizer system. M. Morrison. 1,961,703; June 5.
 Stabilizing and spring controlling device. K. G. A. Backdahl. 1,963,689-90; June 19.
 Stabilizing and spring controlling device. G. W. Svenson. 1,963,633; June 19.
 Stabilizing apparatus. J. M. Boykow. 1,964,869; July 3.
 Stabilizing device for passengers in automobiles. W. L. Morrison. 1,973,011; Sept. 11.
 Stabilizing shock-absorbing apparatus for motor vehicles. C. B. Huntman. 1,971,957; Aug. 28.
 Stable heating medium. M. M. Levine and H. J. Krase. 1,972,847; Sept. 4.
 Stable hydro-alcoholic extract of ergot, Preparation of. F. W. Nitardy. 1,969,382; Aug. 7.

- Stacker. H. S. Labombarde. 1,960,311; May 29.
 Stacker. C. F. M. van Berkel. 1,976,865; Oct. 16.
 Stacker for slicing machines. W. A. van Berkel. 1,976,863; Oct. 16.
 Stacker, Operating a portable. L. Johnson and J. L. Mack. 1,971,413; Aug. 28.
 Stacking apparatus. C. D. Knowlton. 1,961,366; June 5.
 Stadium. W. A. Cannon. 1,965,486; July 3.
 Stadium. K. Troeger. 1,974,223; Sept. 18.
 Stadium seat. C. H. Cox. 1,949,113; Feb. 27.
 Staff holder. J. H. Butts. 1,952,789; Mar. 27.
 Stage construction for theaters. G. E. Young. 1,949,232; Feb. 27.
 Stage construction for theaters. G. E. Young. 1,985,707; Dec. 25.
 Stage discharge of pressure cylinder. S. E. Allen and O. N. Wiswell. 1,969,869; Aug. 14.
 Stage lift flowing device, Automatic. A. Boynton. 1,952,581; Mar. 27.
 Stage, Revolving. B. Berkeley. 1,979,363; Nov. 6.
 Stain, Wood. C. G. Moore and M. Zucker. 1,977,945; Oct. 16.
 Stair. K. Bauer. 1,951,895; Mar. 20.
 Stair construction. O. A. Bailey. 1,944,159; Jan. 23.
 Stairway construction. P. Bateson and H. Bastow. 1,954,722; Apr. 10.
 Stairway, Moving. D. L. Lindquist, A. E. Handy, and S. G. Margles. 1,943,682; Jan. 16.
 Stairway, Moving. D. L. Lindquist, A. E. Handy, and S. G. Margles. 1,956,153-5; Apr. 24.
 Stairway, Moving. D. L. Lindquist, A. E. Handy, and S. G. Margles. 1,963,413; June 19.
 Stairway, Moving. D. L. Lindquist, A. E. Handy, and S. G. Margles. 1,984,801; Dec. 18.
 Stairs or steps, Reinforced concrete. J. H. Buzby. 1,964,660; June 26.
 Stake for railway cars, Side. W. F. Kiesel, jr. 1,962,718; June 12.
 Stakeholder for railway flat cars. T. W. McAuley. 1,974,927; Sept. 25.
 Staking machine. G. A. Schettler. 1,947,619; Feb. 20.
 Stalk shredding implement. F. T. Court. 1,945,733; Feb. 6.
 Stall indicator for airplanes. M. O. Teetor. 1,976,587; Oct. 9.
 Stall, Tie. K. L. Smith. 1,949,189; Feb. 27.
 Stamp affixing mechanism for printing presses. H. C. Gantz. 1,956,862; May 1.
 Stamp, etc. J. B. Lawrence. 1,985,834; Dec. 25.
 Stamp holder. F. B. Holder. 1,960,813; May 29.
 Stamp mount, Hand. J. Cooke. 1,976,254; Oct. 9.
 Stamp mount, Rubber. S. M. Weissman. 1,952,302; Mar. 27.
 Stamp, Music printing. A. F. Harbo. 1,982,790; Dec. 4.
 Stamp, Pocket. C. Ludewigs. 1,976,288; Oct. 9.
 Stamp retaining clamp. P. J. Hayes. 1,982,806; Dec. 4.
 Stamp, Rubber. A. J. Reynolds. 1,972,953; Sept. 11.
 Stamp, Time. B. H. Phillips. 1,944,695; Jan. 23.
 Stamp-vending machine. J. P. Hartman. 1,949,541; Mar. 6.
 Stamp vending machine. C. Walker. 1,946,371; Feb. 6.
 Stamped fuel pump. E. A. Rockwell. 1,976,520; Oct. 9.
 Stamper and hammer for foundries. H. Hepperle. 1,977,851; Oct. 23.
 Stamping and like press. M. E. Davis. 1,965,071; July 3.
 Stamping device. H. E. Edwards and G. S. Tolman, jr. 1,974,486; Sept. 25.
 Stamping device, Hot. H. Gould and F. Ackerman. 1,978,790; Oct. 30.
 Stamping element. A. V. Van Cantfort. 1,965,814; July 10.
 Stamping folios upon plates or bands. Production of roll-gold. K. Wirth. 1,974,763; Sept. 25.
 Stamping machine. W. H. Brooks. 1,977,425; Oct. 16.
 Stamping machine. O. C. Kavle. 1,978,136; Oct. 23.
 Stamping machine. A. R. and H. Sanglier. 1,965,724; July 10.
 Stamping machine. S. R. Swenson. 1,980,014; Nov. 6.
 Stamping machine. A. M. Wickwire, jr. 1,953,736; Apr. 3.
 Stamping, printing and similar machine. W. Friedrichs. 1,954,694; Apr. 10.
 Stamps, Affixing. E. B. Bengier. 1,953,946; Apr. 10.
 Stanchion (adjustable), Cow. H. B. Babson. 1,976,536; Oct. 9.
 Stanchion, Cow. H. B. Babson. 1,953,875; Apr. 3.
 Stanchion, Golf bag. A. M. Hunter. 1,954,413; Apr. 10.
 Stanchion, Self-locking cow. H. B. Babson. 1,963,541; June 19.
 Stand: See—
 Accessory stand. Floor display stand.
 Adjustable stand. Folding stand.
 Advertising display stand. Glass supporting stand.
 Advertising stand. Golf bag stand.
 Bicycle stand. Golf bag supporting stand.
 Boot-black stand. Hat stand.
 Carton and display stand. Iron stand.
 Cloth display stand. Merchandise display stand.
 Collapsible display stand. Music stand.
 Cuspidor stand. Nestable stand.
 Display stand. Packing stand.
 Drill stand. Pamphlet stand.
 Electrolysis apparatus stand. Paper roll stand.
 Plant stand.
 Shoe stand.
 Spool stand.
 Switch stand.
 Tire changer stand.
 Wrench stand.
 Stand. R. W. Shannon. 1,978,650; Oct. 30.
 Stand. C. Ventra. Des. 93,257; Sept. 4.
 Stand and light, Telephone. C. B. Rowell. 1,945,956; Feb. 6.
 Stand and rack, Hat. L. Cohen. 1,969,716; Aug. 14.
 Stand and tray, Book. W. J. Boyle. 1,945,931; Feb. 6.
 Stand attachment, Display. C. P. Elvin. 1,959,977; May 22.
 Stand for duplicating machines and the like. J. J. Flanagan. 1,965,890; July 10.
 Stand for eggs, Display. M. C. Binkley. Des. 92,575; June 26.
 Stand for fuel drums or the like. A. Boilard. Des. 91,311; Jan. 9.
 Stand for golf bags, Folding. O. Sterling. 1,975,702; Oct. 2.
 Stand for ironing boards and the like. R. Van Seyle, L. L. Smith, and E. J. Barnes. 1,976,422; Oct. 9.
 Stand for merchandise, Display. C. Christensen. 1,959,778; May 22.
 Stand for newspapers, periodicals, and the like, Combined display and vending. J. L. Wright. Des. 93,081; Aug. 14.
 Stand for oil burners, Fuel supply. E. Esson. Des. 92,711; July 10.
 Stand for sound measuring devices, Portable. F. W. Parks. 1,977,970; Oct. 23.
 Stand for stoves or the like. F. E. Wolcott. 1,956,662; May 1.
 Stand of similar article, Knockdown floor. A. Barron. 1,975,497; Oct. 2.
 Standpipe system. W. F. Conran. 1,953,671; Apr. 3.
 Standard, Adjustable. E. L. Gilbert. 1,951,754; Mar. 20.
 Standard for a food mixing device. W. Van Guilder. Des. 92,049; Apr. 17.
 Standard-frequency apparatus. V. E. Trouant. 1,971,086; Aug. 21.
 Standard, Lighting. J. W. Gosling. Des. 93,099; Aug. 21.
 Standard spindle nose. A. E. Drissner, F. O. Hoagland, M. E. Lange, N. I. Lundberg, and J. E. Loveley. 1,961,605; June 5.
 Standard, Supporting. G. K. Parsons. 1,970,814; Aug. 21.
 Staple. W. Y. O'Hara. 1,963,527; June 19.
 Staple band for stapling devices of all kinds. L. Sachs. 1,964,142; June 26.
 Staple clincher. A. O. Swartwood. 1,977,459; Oct. 16.
 Staple driving machine. F. Polzer. 1,983,398; Dec. 4.
 Staple extractor. J. F. Cavanagh. 1,948,096; Feb. 20.
 Staple extractor. J. F. Cavanagh. 1,956,166; Apr. 24.
 Staple extractor. J. F. Cavanagh. 1,980,573; Nov. 13.
 Staple fiber, Manufacture of artificial. W. I. Taylor. 1,983,326; Dec. 4.
 Staple puller. E. H. Crofoot. 1,973,846; Sept. 18.
 Staple pulling machine. C. A. Robinson. 1,982,755; Dec. 4.
 Staple pulling tool. H. W. Hingst. 1,946,742; Feb. 13.
 Staple setting machine. F. Polzer. 1,962,874; June 12.
 Staples in coherent strips, Apparatus for producing wires. O. Kleinschmit. 1,942,249; Jan. 2.
 Staples in wire bound boxes, Apparatus for controlling the position of. G. L. Colbie. 1,944,493; Jan. 23.
 Stapling appliance. J. F. Cavanagh. Des. 91,703; Mar. 13.
 Stapling device. W. G. Pankonin. Des. 92,922; July 31.
 Stapling machine. H. J. Baur. 1,978,983; Oct. 30.
 Stapling machine. V. H. Ellacot. 1,943,661; Jan. 16.
 Stapling machine. H. Matthews, J. H. Warntjes, E. Arthurs, and W. C. Wilkinson. 1,954,253; Apr. 10.
 Stapling machine. A. H. Maynard. 1,956,174; Apr. 24.
 Stapling machine. E. R. Posnack. 1,945,377; Jan. 30.
 Stapling machine. H. B. Walter. 1,946,773; Feb. 13.
 Stapling machine or tacker. A. H. Maynard. 1,970,101; Aug. 14.
 Stapling machine, Plier type. F. Polzer. 1,983,397; Dec. 4.
 Stapling mechanism, High speed. W. F. Newhouse. 1,952,215; Mar. 27.
 Stapling or discontinuous wire stitching machine. J. I. Nasmith and W. Kirby. 1,980,592; Nov. 13.
 Starch and glutinous materials, Production of. H. M. Williams. 1,964,754; July 3.
 Starch, Conversion of. H. F. Bauer. 1,969,347; Aug. 7.
 Starch, Gelatinized. F. O. Giesecke. 1,974,915; Sept. 25.
 Starch paste. S. Józsa and H. C. Gore. 1,947,295; Feb. 13.
 Starch product and making same. F. O. Giesecke. 1,979,257; Nov. 6.
 Starch tabling system. H. W. Curry. 1,977,792; Oct. 23.
 Starches, dextrines, and British gums, Manufacturing modified. A. D. Fuller. 1,942,544; Jan. 9.
 Start and stop control for power machines. C. G. Mortimer. 1,983,389; Dec. 4.
 Start, change over, and stop for moving picture projectors, Automatic. H. H. Fenner and R. E. Silvis. 1,963,194; June 19.
 Starter and overload control and warning means, Automatic motor. C. J. Holslag. 1,975,459; Oct. 2.
 Starter, Automatic. C. N. Boyd. 1,985,309; Dec. 25.

- Starter, Automatic. B. H. Kryzer. 1,979,836; Nov. 6.
 Starter, Automatic. S. Ruben. 1,954,882; Apr. 17.
 Starter, Automatic engine. J. W. Fitz Gerald. 1,950,722; Mar. 13.
 Starter control, Engine. M. P. Ferguson. 1,974,208; Sept. 18.
 Starter control, Engine. F. H. Prescott and J. M. Crawford. 1,980,355; Nov. 13.
 Starter drive. W. L. McGrath. 1,969,987; Aug. 14.
 Starter drive, Engine. C. Junk. 1,964,666; June 26.
 Starter, Engine. J. W. Allen. 1,946,957; Feb. 13.
 Starter, Engine. C. P. Brockway. 1,960,213; May 22.
 Starter, Engine. C. S. Burnett. 1,946,481; Feb. 13.
 Starter, Engine. J. A. Charter. 1,979,867-9; Nov. 6.
 Starter, Engine. R. Chilton. 1,970,885; Aug. 21.
 Starter, Engine. R. P. Lansing. 1,942,107; Jan. 2.
 Starter, Engine. R. P. Lansing. 1,959,244; May 15.
 Starter, Engine. C. Marcus. 1,962,963; June 12.
 Starter, Engine. J. F. G. Petit. 1,985,794; Dec. 25.
 Starter, Engine. Y. Sekella. 1,942,573; Jan. 9.
 Starter, Engine. M. P. Whitney. 1,971,739; Aug. 28.
 Starter, Engine. M. P. Whitney. 1,982,089; Nov. 27.
 Starter for automobiles, Foot-actuated. C. R. Roche. 1,960,458; May 29.
 Starter for internal-combustion engines. L. Gerard. 1,944,641; Jan. 23.
 Starter for internal-combustion engines, Automatic. K. R. Blake. 1,948,198; Feb. 20.
 Starter for internal combustion engines, Electric. J. Bethenod. 1,964,310; June 26.
 Starter for motor vehicles, Automatic. K. R. Blake. 1,967,657; July 24.
 Starter, Gasoline engine. J. Mikulasek. 1,973,218; Sept. 11.
 Starter-generator for outboard motors. W. H. Anderson. 1,966,913; July 17.
 Starter mechanism. R. P. Lansing. 1,973,287; Sept. 11.
 Starter, Motor. H. P. Chandler. 1,972,979; Sept. 11.
 Starter, Motor. H. P. Chandler and S. S. Matthes. 1,960,967; May 29.
 Starter spring. G. F. Colley. 1,985,342; Dec. 25.
 Starter switch. J. O. Garoutte. 1,984,736; Dec. 18.
 Starting and reversing mechanism for internal combustion engines. J. Romeyn. 1,967,538; July 24.
 Starting and stopping mechanism. A. S. Clark. 1,968,873; Aug. 7.
 Starting and stopping mechanism. F. C. Eastman. 1,969,838; Aug. 14.
 Starting and stopping mechanism. P. R. Glass. 1,959,579; May 22.
 Starting and stopping mechanism for machines. M. H. Ballard. 1,953,067; Apr. 3.
 Starting apparatus for electric discharge devices. L. J. Buttolph. 1,951,127; Mar. 13.
 Starting device. H. P. Chandler and S. S. Matthes. 1,960,966; May 29.
 Starting device and starting circuit. J. E. O. Louette. 1,943,182; Jan. 9.
 Starting device for internal combustion engines. M. Bailly. 1,948,897; Feb. 27.
 Starting device for internal combustion engines. A. Callen and E. Klemm. 1,962,706; June 12.
 Starting device for internal combustion engines. L. Gérard. 1,981,789; Nov. 20.
 Starting device for sedimentation apparatus. J. H. V. Finney. 1,951,012; Mar. 13.
 Starting device, Motor. T. R. Arden. 1,968,804; Aug. 7.
 Starting gear. E. A. Doub. Re19,144; Apr. 24.
 Starting gear. J. M. Tatman. 1,983,952; Dec. 11.
 Starting machine, Automatic. M. P. Whitney. 1,979,920; Nov. 6.
 Starting means for torpedoes, Hydrostatic auxiliary. S. R. Hickey. 1,971,346; Aug. 28.
 Starting mechanism. J. W. Allen. 1,952,228; Mar. 27.
 Starting mechanism. H. P. Chandler and S. S. Matthes. 1,960,965; May 29.
 Starting mechanism. S. Granjon. 1,964,729; July 3.
 Starting mechanism. R. P. Lansing. 1,974,870; Sept. 25.
 Starting mechanism. R. P. Lansing. 1,979,162; Oct. 30.
 Starting mechanism. F. Linder. 1,962,962; June 12.
 Starter mechanism. R. M. Nardone. 1,982,173; Nov. 27.
 Starting mechanism, Automatic. F. T. Christian. 1,942,591; Jan. 9.
 Starting mechanism for internal combustion engines, Automatic. D. L. Wertz. 1,981,209; Nov. 20.
 Starting mechanism for internal combustion motors. J. R. Thonger and O. Denker. 1,951,637; Mar. 20.
 Starting motor switch. L. B. Ehrlich. 1,984,921; Dec. 18.
 Starter, Outboard motor. C. W. Stickel. 1,980,601; Nov. 13.
 Starting synchronous machines. C. H. Willis. 1,966,940; July 17.
 Starting system and apparatus, Selective. J. W. Hobbs. 1,964,155; June 26.
 Starting system and means for hydrocarbon engines, Automatic. K. E. Lyman. 1,972,781; Sept. 4.
 Starting system and mechanism, Automatic. G. A. Gillen. 1,959,861; May 22.
 Starting system for alternating current motors. C. E. Kilbourne. 1,970,914; Aug. 21.
 Statement blank-check form and envelope, Combined. J. A. Councillor. 1,952,972; Mar. 27.
 Static and interference eliminator. E. Adams. 1,946,606; Feb. 13.
 Static and interference eliminator for radio apparatus. J. M. Wilder. 1,949,440; Mar. 6.
 Static eliminator. J. C. Loeser. 1,959,982; May 22.
 Static eliminator and ink drier for printing presses. A. G. E. Nordquist. 1,944,946; Jan. 30.
 Static eliminator and stabilizer. E. M. Dixon. 1,959,906; May 22.
 Static eliminator, Electric. F. Klein. 1,966,587; July 17.
 Static keying device for radio transmitting circuits. E. L. Koch. 1,952,924; Mar. 27.
 Static or fading, Device for reducing the effects of. H. H. Beverage. 1,962,169; June 12.
 Static reducing device. J. A. McGovern. 1,974,189; Sept. 18.
 Static suppressor system. P. H. Craig. 1,956,121; Apr. 24.
 Station selector for radioreceivers. F. Koch. 1,972,658; Sept. 4.
 Stationery. W. C. Pfeiffer. 1,957,032; May 1.
 Stationery, Duplicating machine. B. A. Schroeder. 1,963,680; June 19.
 Stationery, Multiple web. U. F. Gochoel. 1,957,060; May 1.
 Stationery, Multiplex. C. A. Meisel. 1,956,244; Apr. 24.
 Statistical machine. A. H. Lewis. 1,965,982; July 10.
 Statistical machine. P. Mansel. 1,950,187; Mar. 6.
 Statistical machine, Record-card-controlled. H. H. Keen. 1,962,743; June 12.
 Stator winding for a submersible electric motor, Liquid-tight. M. Surjaninoff. 1,973,612; Oct. 30.
 Stator winding machine. W. L. Laib and W. N. Olson. 1,977,828; Oct. 23.
 Stator with insulation enclosed winding. V. G. Apple. Re19,106; Mar. 13.
 Stave. G. Müller. 1,978,811; Oct. 30.
 Stave, Barrel. L. T. Baker. 1,945,303; Jan. 30.
 Stave, Barrel. E. W. Hutchings. 1,976,173; Oct. 9.
 Stave jointing machine. W. T. Smith. 1,977,495; Oct. 16.
 Stave or bottom for barrels and vats, etc. G. Müller. 1,981,659; Nov. 20.
 Stave structure for bins and the like. S. T. Playford. 1,958,799; May 15.
 Staybolt cap removing tool. G. H. Gjertsen. 1,941,551; Jan. 2.
 Staybolt structure, Flexible. J. Kindervater. 1,985,209; Dec. 18.
 Stay, Garment. J. J. Schlaepfer. 1,974,162; Sept. 18.
 Stayed container. E. Watson. 1,956,458; Apr. 24.
 Steady rest, Self-adjusting. E. R. Smith and A. Schinkez. 1,961,091; May 29.
 Steak-forming machine. H. F. Taylor. 1,960,517; May 29.
 Steak slicing and dicing machine. A. J. Gurney. 1,979,464; Nov. 6.
 Steam and water separator. C. E. Lucke. 1,962,825; June 12.
 Steamboat ratchet. C. Wolf. 1,971,472; Aug. 28.
 Steam boiler. J. E. Black. 1,946,666; Feb. 13.
 Steam boiler. M. Ehlinger. 1,964,342; June 26.
 Steam boiler. A. Huet. 1,941,686; Jan. 2.
 Steam boiler. H. J. Kerr. 1,969,405-6; Aug. 7.
 Steam boiler. I. L. Langvand. 1,972,893; Sept. 11.
 Steam boiler. G. W. Nigh. 1,974,288; Sept. 18.
 Steam boiler. J. W. Rudder. 1,942,257; Jan. 2.
 Steam circulating system. A. Reiss and J. P. Christ. 1,968,171; July 31.
 Steam cleaning and greasing of bearings, Apparatus for. J. E. Shepherd. 1,982,325; Nov. 27.
 Steam conditioner for locomotives and the like. C. G. Hawley. 1,969,370; Aug. 7.
 Steam cooking process. B. Greenfield. 1,955,289; Apr. 17.
 Steam decomposition, Method of and apparatus for measuring. A. R. Powell. 1,961,245; June 5.
 Steam developing device for flat irons. B. O. Meidell. 1,963,858; June 19.
 Steam, Device for securing dry. A. C. Weigel. 1,946,248; Feb. 6.
 Steam directly from double-acting reciprocating steam engines, Arrangement for tapping. A. Björklund. 1,962,549; June 12.
 Steam engine. F. C. Arey. 1,973,367; Sept. 11.
 Steam engine. H. J. Titus and J. S. Wallis. 1,974,200; Sept. 18.
 Steam engine valve. W. F. Kiesel, jr. 1,970,321-3; Aug. 14.
 Steam engine valve. H. G. Mueller. 1,983,803; Dec. 11.
 Steam engine valve gear. J. A. Le Cain. 1,969,020; Aug. 7.
 Steam from a steam boiler, Process and apparatus for cleaning. D. S. Jacobus. 1,965,595; July 10.
 Steam generating and superheating installation. J. E. Wood. 1,973,365; Sept. 11.
 Steam generating apparatus. K. A. Mayr. 1,961,233; June 5.
 Steam generating apparatus. J. L. Wall and P. A. Carter. 1,975,440; Oct. 2.
 Steam generating apparatus and method. C. B. Grady. 1,975,268; Oct. 2.
 Steam generating boiler. R. A. Sharp. 1,950,756; Mar. 13.
 Steam, Generating high-pressure. E. Pfeiderer. 1,972,356; Sept. 4.
 Steam generating system. C. A. French. 1,946,682; Feb. 13.
 Steam generating system. C. A. French. 1,971,177; Aug. 21.
 Steam generating system. C. E. Lucke. 1,959,794; May 22.

- Steam generator. K. Baumann. 1,944,059; Jan. 16.
 Steam generator. M. Frisch. 1,964,149; June 26.
 Steam generator. E. Froehlich and O. Heckl. 1,953,596; Apr. 3.
 Steam generator. H. W. Hoadley. 1,945,313; Jan. 30.
 Steam generator. H. J. Kerr. 1,943,539; Jan. 16.
 Steam generator. W. L. and H. L. McLaughlin and V. Ballou. 1,979,394; Nov. 6.
 Steam generator. W. G. Noack. 1,948,537-40; Feb. 27.
 Steam generator. W. G. Noack. 1,948,940; Feb. 27.
 Steam generator. J. E. Pierce. 1,965,749; July 10.
 Steam generator and boiler. E. N. Johnson. 1,960,910; May 29.
 Steam generator with thermostatic control of the feed supply and heating. J. G. R. Woodvine. 1,960,654; May 29.
 Steam heater. E. D. Bookman. 1,973,973; Sept. 18.
 Steam heating. E. Burrell. 1,965,823; July 10.
 Steam heating apparatus. D. N. Crosthwait, jr. 1,977,304; Oct. 16.
 Steam heating system. D. N. Crosthwait, jr. 1,977,303; Oct. 16.
 Steam heating system. I. C. Jennings. 1,945,641; Feb. 6.
 Steam heating system for automobiles. E. F. Peterson. 1,983,145; Dec. 4.
 Steam heating system for hosiery driers and the like. F. A. Stickle. 1,949,945; Mar. 6.
 Steam injector, Exhaust. M. Hard. Re19,229; July 3.
 Steam injector, Exhaust. E. Rawson. 1,984,547; Dec. 18.
 Steam jet. Circulating. O. Jacobsen. 1,960,013; May 22.
 Steam jet device. J. S. Mexis. 1,966,591; July 17.
 Steam jet pump. J. Garvie. 1,982,378; Nov. 27.
 Steam joint. B. A. Malkin. 1,972,848; Sept. 4.
 Steam, Method and apparatus for generating. M. H. Kuhner. 1,963,524; June 19.
 Steam or fluid motor, Rotary. S. C. Carter and F. H. Metke. 1,983,216; Dec. 4.
 Steam or vapor generator. H. C. Egloff. 1,961,138; June 5.
 Steam plant. D. W. Rudorff. 1,975,519; Oct. 2.
 Steam plant. Marine high pressure superheated. W. Salge. 1,962,574; June 12.
 Steam platen and method of making same. H. G. Archer and C. G. Bird. Re19,309; Sept. 11.
 Steam power plant. H. C. Egloff. 1,983,275; Dec. 4.
 Steam power plant. W. M. Ryan and C. B. Faverty. 1,964,703; June 26.
 Steam power plant. L. Schlobohm. 1,961,395; June 5.
 Steam press for cellulose materials. J. J. E. Baumgarten. 1,948,898; Feb. 27.
 Steam pressure regulating means. F. W. Dearborn. 1,960,937; May 29.
 Steam, Process of and apparatus for generating. W. D. La Mont. 1,972,052; Aug. 28.
 Steam, Producing high-pressure. A. Huster. 1,942,861; Jan. 9.
 Steam separator. H. J. Kerr. 1,948,524; Feb. 27.
 Steam system. M. W. Stout. 1,984,290; Dec. 11.
 Steam temperature regulator. C. E. Lucke and J. E. Black. 1,973,721; Sept. 18.
 Steam trap. L. P. Flood. 1,966,007; July 10.
 Steam trap. G. H. Gibson and F. M. Patterson. 1,981,169; Nov. 20.
 Steam trap. E. F. Kiefer. 1,973,259; Sept. 11.
 Steam trap. F. M. Patterson. 1,961,448; June 5.
 Steam trap. L. M. Reed. 1,985,059; Dec. 18.
 Steam trap for radiators. G. J. Pflugheber. 1,962,360; June 12.
 Steam trap, Inverted float. H. E. K. Pohl. 1,972,244; Sept. 4.
 Steam trap, Thermostatic. L. C. Irwin. 1,976,730; Oct. 16.
 Steam treatments, Apparatus for applying. J. E. Kelley. 1,944,348; Jan. 23.
 Steam valve. K. S. M. Davidson. 1,949,930; Mar. 6.
 Steam valve. J. R. Guildford. 1,954,044; Apr. 10.
 Steaming apparatus. R. E. Davis and A. H. Nielsen. 1,982,904; Dec. 4.
 Steel. J. T. Whiteley. 1,959,398; May 22.
 Steel, Air hardening. H. Harris. 1,976,341; Oct. 9.
 Steel alloy. G. Charlton. 1,946,522; Feb. 13.
 Steel alloy. G. Charlton. 1,958,985; May 15.
 Steel, Alloy. R. P. De Vries. 1,985,316; Dec. 25.
 Steel, Alloy. W. H. Keene. 1,962,598; June 12.
 Steel alloy. E. H. Schulz. 1,979,015; Oct. 30.
 Steel and its production. P. Kühn. 1,979,629; Nov. 6.
 Steel and making same. J. T. Whiteley. 1,959,399; May 22.
 Steel and treating the same. C. H. Lorig, H. W. Gillett, and H. B. Kinnear. 1,972,241; Sept. 4.
 Steel, Annealing. F. C. Kelley. 1,944,743; Jan. 23.
 Steel, Apparatus for the production of. H. A. Brassert. 1,954,280; Apr. 10.
 Steel article of manufacture, Locally hardened molybdenum. F. C. T. Daniels. 1,963,403; June 19.
 Steel articles, Manufacturing composite. M. R. Trembour. 1,952,002; Mar. 20.
 Steel, Case hardening. V. T. Malcolm. 1,961,520; June 5.
 Steel, Collet. D. G. Anderson. 1,952,575; Mar. 27.
 Steel core for steering wheels and the like. T. Mungen. 1,967,060; July 17.
 Steel dust collector, Magnetic. F. Hedley and J. S. Doyle. 1,957,209; May 1.
 Steel for nitriding. J. K. Smith. 1,943,348; Jan. 16.
 Steel framework for walls, ceilings, roofs, and the like. H. Jaklin. 1,952,807; Mar. 27.
 Steel, Free cutting. H. W. Graham and S. L. Case. 1,959,758; May 22.
 Steel, Free scaling and free machining. H. J. French and J. W. Sands. 1,941,547; Jan. 2.
 Steel girder for concrete structures. F. Zollinger. 1,974,730; Sept. 25.
 Steel, Hardening. V. T. Malcolm. 1,967,994; July 24.
 Steel, Heat treating. C. J. Cokerly. 1,959,344; May 22.
 Steel, High speed. A. F. Braid. 1,955,529; Apr. 17.
 Steel, High speed. J. K. Smith. 1,968,966; Aug. 7.
 Steel in an inert gas inclosure, Heating and rolling. E. L. and E. W. Clark. 1,968,442; July 31.
 Steel, Increasing the mechanical strength properties of. H. Buchholtz. 1,957,427; May 8.
 Steel, Making. V. V. Soldatoff. 1,968,917; Aug. 7.
 Steel, Making Bessemer. R. S. McCaffery. 1,976,354; Oct. 9.
 Steel, Making stainless. H. Neuhauss. 1,946,873; Feb. 13.
 Steel manufacture. W. H. Lewis. 1,941,562; Jan. 2.
 Steel, Method and apparatus for the production of molten. H. A. Brassert. 1,948,695; Feb. 27.
 Steel, Method of and mechanism for forming hardened. R. C. Angell. 1,945,510; Feb. 6.
 Steel, Producing. W. J. Popham. 1,947,735; Feb. 20.
 Steel products, Manufacture of rolled. S. Whyte. 1,943,944; Jan. 16.
 Steel refining. V. B. Browne. 1,949,529; Mar. 6.
 Steel retainer. F. M. Slater. 1,962,790; June 12.
 Steel sheets, Manufacture of galvanized. C. F. Langworthy and H. Hughes. 1,973,004; Sept. 11.
 Steel skeleton for reinforced concrete structures. B. Bauer. 1,948,691; Feb. 27.
 Steel spider, Fabricated. E. E. Arnold. 1,944,776; Jan. 23.
 Steel, Spring. J. K. Smith. 1,943,347; Jan. 16.
 Steel strip, Hot rolling. W. Rohm. 1,946,240; Feb. 6.
 Steel strips and product thereof, Cold rolling. J. A. Sargent. 1,960,958; May 29.
 Steel structure. B. Bauer. 1,973,741; Sept. 18.
 Steel structure and forming the same, Protected. H. Hanna. 1,984,132; Dec. 11.
 Steel, Transforming manganese. J. H. Hall. 1,975,746; Oct. 2.
 Steel, Treating. C. I. Justheim. 1,942,173; Jan. 2.
 Steel, Treating. A. R. Stargarder. 1,948,192; Feb. 20.
 Steel-trimming machine, Vertical automatic. Z. P. Candee. 1,943,107; Jan. 9.
 Steel trolley wheel. A. R. Pribil. 1,963,592; June 19.
 Steel, Valve. A. L. Goeghehold and A. A. Peterson. 1,981,898; Nov. 27.
 Steel wool cleaner. L. Friedman. 1,982,654; Dec. 4.
 Steel wool, Method of and apparatus for collecting and padding. C. E. Galvin. 1,968,289; July 31.
 Steel wool pads, Making. C. J. Crary. 1,961,339; June 5.
 Steels, Quenching. W. Mellor. 1,944,798; Jan. 23.
 Steeping process. H. W. Curry and F. M. Sayre. 1,955,112; Apr. 17.
 Steering and stabilizing construction for individually sprung wheels. E. C. Fink. 1,941,673; Jan. 2.
 Steering apparatus for aircraft. F. von Opel. 1,974,884; Sept. 25.
 Steering device, Automatic. O. W. Greene. 1,966,170; July 10.
 Steering device for barges and like vessels, Automatic. G. R. Taylor. 1,968,577; July 31.
 Steering device for ships, Electrical. F. S. Hodgman. 1,946,693; Feb. 13.
 Steering equipment, Automatic. H. I. Becker. 1,958,259; May 8.
 Steering gear for vehicles. R. Klatt. 1,984,309; Dec. 11.
 Steering lock wheel. G. Töpfer. 1,943,704; Jan. 16.
 Steering mechanism. G. P. Berry. 1,948,487; Feb. 27.
 Steering mechanism. C. S. Bragg. 1,952,034; Mar. 20.
 Steering mechanism. B. F. Schmidt. 1,967,482; July 24.
 Steering mechanism. J. Sneed. 1,942,263; Jan. 2.
 Steering mechanism. C. G. Wagner and J. M. Kerr. 1,977,218; Oct. 16.
 Steering mechanism, Automatic. B. B. Holmes. Re19,338; Oct. 9.
 Steering mechanism, etc. W. O. Tait, jr. 1,944,700; Jan. 23.
 Steering mechanism for agricultural machines. O. G. Schlobohm. 1,965,991; July 10.
 Steering mechanism for individually sprung wheels. A. F. Masury. 1,946,749; Feb. 13.
 Steering mechanism, Hydraulic. W. H. Bunch, H. C. Gaertner, and C. B. Bunch. 1,953,742; Apr. 3.
 Steering mechanism, Nonreversible. F. C. Craw. 1,942,472; Jan. 9.
 Steering mechanism with remote power unit, Hydraulic. F. W. Davis. 1,947,973; Feb. 20.
 Steering stabilizer. F. H. Berg. 1,958,810; May 15.
 Steering system, Automatic. E. F. W. Alexanderson. 1,958,258; May 8.
 Steering wheel. H. D. Geyer. 1,943,915; Jan. 16.
 Steering wheel. C. N. Mitchell. 1,943,545; Jan. 16.
 Steering wheel. S. Seiler. 1,983,195; Dec. 4.
 Steering wheel alignment indicator. F. A. Lozonne. 1,954,938; Apr. 17.
 Steering wheel, Electrically heated. E. Martel. 1,957,018; May 1.
 Steersman, Automatic. H. A. Harman. 1,958,428; May 15.
 Stem. L. K. Marshall. 1,980,418; Nov. 13.

- Stem cutting mechanism for tobacco stemming machines. C. W. Gooch, jr. 1,962,955; June 12.
- Stem parts from a tobacco mass, Device for separating of. E. R. Dahlstrom and C. G. B. Rothellus. 1,945,771; Feb. 6.
- Stemming machine. K. E. Carpenter. 1,968,372; July 31.
- Stencil. R. H. Kavanaugh. 1,954,672; Apr. 10.
- Stencil. H. L. Shallcross. 1,960,172; May 22.
- Stencil, Drawing appliance. E. E. Baldwin. 1,974,442; Sept. 25.
- Stencil printing apparatus. H. P. Elliott. 1,976,928; Oct. 16.
- Stencil sheets, Apparatus for making. E. J. Brasseur. 1,964,499; June 26.
- Stenciling attachment for platen presses. H. W. Parmele. 1,966,417; July 10.
- Stenciling process. C. L. Martin. 1,957,660; May 8.
- Stencils, Making. P. H. Murphy. 1,973,151; Sept. 11.
- Step, Concrete. C. Peterson. 1,963,866; June 19.
- Step control system. F. Fillo. 1,941,546; Jan. 2.
- Step, Folding. G. S. Goodwin. 1,953,298; Apr. 3.
- Step for manholes. R. H. West. 1,944,384; Jan. 23.
- Step, Precast concrete. B. E. Buffalo. 1,985,143; Dec. 18.
- Stepladder. H. L. Mearkle. 1,944,099; Jan. 16.
- Stepladder. A. Pfugratt. 1,973,774; Sept. 18.
- Stepladder. M. Rassmussen. 1,984,655; Dec. 18.
- Stepladder. A. A. Schramm. 1,980,004; Nov. 6.
- Stepladder. N. L. Thrasher. 1,954,434; Apr. 10.
- Stepladder and safety lock therefor. E. C. Winter. 1,954,112; Apr. 10.
- Stepladder brace. N. L. Thrasher. 1,942,849; Jan. 9.
- Stepladder, Making a. W. C. Uline. 1,954,545; Apr. 10.
- Stepladders, Automatic adjustment for. H. J. Myers. 1,982,172; Nov. 27.
- Stepmotor. M. A. V. Van den Eynde. 1,967,044; July 17.
- Step plate. G. E. Bullock. 1,979,861; Nov. 6.
- Stereoscope. F. W. Borden. 1,956,822; May 1.
- Stereoscopic casting machine. G. A. Field. 1,956,093; Apr. 24.
- Stereoscopic cinematographic effects, Obtaining. H. H. Peppercorn. 1,971,234; Aug. 21.
- Stereoscopic device, Two color. M. Morrison. 1,950,033; Mar. 6.
- Stereoscopic effects and device for this purpose, Securing. J. Z. A. Deninson. 1,955,273; Apr. 17.
- Stereoscopic motion picture apparatus. R. D. York. 1,970,212; Aug. 14.
- Stereoscopic plotting of contour maps. O. M. Miller. 1,985,260; Dec. 25.
- Stereoscopic rangefinder for photographic purposes. E. Wandersleb. 1,985,067; Dec. 18.
- Stereotype casting machine, Multiple. I. Tornberg. 1,972,174; Sept. 4.
- Stereotype casting mechanism. E. J. Smith. 1,964,367-8; June 26.
- Stereotype plate casting machine. W. Gerrard and W. Harris. 1,957,104; May 1.
- Stereotype printing plate. M. W. Brueshaber. 1,942,408; Jan. 9.
- Stereotyping apparatus. E. Brockel. 1,976,540; Oct. 9.
- Sterilization of the atmosphere of rooms or enclosed spaces. J. T. Freestone. 1,977,760; Oct. 23.
- Sterilizer. J. De Vries. 1,946,573; Feb. 13.
- Sterilizer. G. J. Dyckes. 1,942,051; Jan. 2.
- Sterilizer. A. Louvier and A. Henry. 1,953,243; Apr. 3.
- Sterilizer. L. B. Meyerson. 1,951,089; Mar. 13.
- Sterilizer and cleaner. Can. B. Olson. 1,954,222; Apr. 10.
- Sterilizer apparatus. R. L. Jewell. 1,965,379; July 3.
- Sterilizer for milk and other liquids. M. A. I. de Souza. 1,975,416; Oct. 2.
- Sterilizer, Instrument. F. A. Blashfield and G. F. Linde. 1,963,543; June 19.
- Sterilizer, Tool. J. Russo. 1,946,883; Feb. 13.
- Sterilizing apparatus. K. W. Karnopp. 1,967,472; July 24.
- Sterilizing apparatus. A. A. Robey. 1,946,362; Feb. 6.
- Sterilizing, Apparatus for. F. S. Smith. 1,960,174; May 22.
- Sterilizing, Apparatus for. F. S. Smith. 1,965,609; July 10.
- Sterilizing, Art and apparatus for. F. S. Smith. 1,959,390; May 22.
- Sterilizing, Art and apparatus for. F. S. Smith. 1,960,173; May 22.
- Sterilizing, Art and apparatus for. F. S. Smith. 1,975,805; Oct. 9.
- Sterilizing articles by ultraviolet radiation, Apparatus for. O. J. Moehler. 1,961,700; June 5.
- Sterilizing compositions. L. C. Himebaugh and P. P. Gray. 1,983,031; Dec. 4.
- Sterilizing machine for boxes. C. C. Butler. 1,946,470; Feb. 13.
- Sterilizing means. C. R. Meitzler. 1,946,804; Feb. 13.
- Stern-post block and rudder assembly, Stream line. T. M. Thorsen. 1,973,783; Sept. 18.
- Stern structure for ships. M. J. Hanlon. 1,958,302; May 8.
- Stethoscope, Amplifying. J. Weinstein. 1,976,707; Oct. 9.
- Stick and seat, Combined walking. A. J. Sheldon. 1,972,668; Sept. 4.
- Stick handling mechanism. M. Schnaier. 1,966,048; July 10.
- Stiff leg connector. O. L. Berby. 1,958,780; May 15.
- Stiffener for collars. C. Frederick. 1,968,519; July 31.
- Stiffener for footwear and preparing the same. D. B. Macdonald. 1,945,650; Feb. 6.
- Stiffening. W. A. Boughton. 1,968,437; July 31.
- Stiffening device for maintaining the creases in trousers. S. P. Dodginton. 1,981,784; Nov. 20.
- Still and circulating pump therefor. A. Hollander. 1,959,000; May 15.
- Still and evaporation apparatus. H. I. Lea. 1,971,492; Aug. 28.
- Still and furnace construction, Tube. J. S. Wallis. 1,958,732; May 15.
- Still clean-out return bend. A. M. Houser. 1,972,445; Sept. 4.
- Still header and assembling tool, Pressure. S. H. Edwards. 1,948,028; Feb. 20.
- Still, Heating a pipe. W. G. Laird. 1,976,029; Oct. 9.
- Stilt. C. E. Collins. 1,984,114; Dec. 11.
- Stirring, kneading, and mixing machine. F. Aeschbach. 1,967,546; July 24.
- Stirrup construction. S. Klein. 1,954,819; Apr. 17.
- Stirrup, Traction. G. W. Hawley. 1,971,183; Aug. 21.
- Stitching machine. H. R. Bliss and H. G. Allen. 1,958,739; May 15.
- Stitching machine. H. R. Bliss and H. G. Allen. 1,959,609; May 22.
- Stock consistency indicating and regulating apparatus for pulp and paper making machines. R. Carpenter. 1,982,370; Nov. 27.
- Stock control register. P. G. Stimson. 1,981,205; Nov. 20.
- Stock drenching instrument. G. P. Kauzal. 1,982,993; Dec. 4.
- Stock enclosure and system of electrically charging the same. B. J. Gengler. 1,976,721; Oct. 16.
- Stock feeding mechanism for automatic machine tools. H. W. Ruppel. 1,950,931; Mar. 13.
- Stock indicator. G. Fox and A. J. Whitcomb. 1,959,025; May 15.
- Stock pusher. G. A. Gustafson. 1,964,941; July 3.
- Stock quotation board. R. Hoover and E. R. Wheeler. 1,946,909; Feb. 13.
- Stock quotation projecting machine. A. D. Eitzen. 1,957,448; May 8.
- Stock quotation projecting machine, Endless tape. A. D. Eitzen. 1,975,088; Oct. 2.
- Stock rack. M. L. Engler and W. J. Breth. 1,942,639; Jan. 9.
- Stock rack. G. B. Samuels. 1,946,000; Feb. 6.
- Stock receptacle. M. E. Hill. 1,941,746; Jan. 2.
- Stock straightener. A. E. Borton. 1,950,655; Mar. 13.
- Stocking. C. H. Hecker. 1,955,422; Apr. 17.
- Stocking. E. M. R. Henderson. 1,965,314; July 3.
- Stocking. P. F. Kroener. Des. 92,179-82; May 8.
- Stocking. L. J. Maclear. Des. 92,543; June 19.
- Stocking. F. E. Struve. 1,956,163; Apr. 24.
- Stocking and making same. E. W. Decker and L. Levine. 1,968,995; Aug. 7.
- Stocking and making same. B. W. Heyman. 1,971,321; Aug. 21.
- Stocking and making same, Runproof or run-resistant full-fashioned. E. E. Carlson. 1,978,408; Oct. 30.
- Stocking and making the same. A. E. Vaughan. 1,975,735; Oct. 2.
- Stocking and producing the same, Full fashioned. H. Hemmerich. 1,970,935; Aug. 21.
- Stocking and seam construction therefor. J. A. Goodman. 1,984,970; Dec. 18.
- Stocking blank for manufacturing stockings, Method and double. J. L. Getaz. 1,942,331; Jan. 2.
- Stocking in the correct form manufactured on the flat hosiery knitting machine, and manufacturing the same. W. Heinitz. 1,960,107; May 22.
- Stocking, Knitted. A. E. Page. 1,978,280; Oct. 23.
- Stocking, Knitting a full fashioned. K. R. Lieberknecht. 1,974,962; Sept. 25.
- Stocking, Novelty. E. V. Milligan. Des. 92,188; May 8.
- Stocking topping apparatus. J. Haines, jr. 1,977,963; Oct. 23.
- Stocking with English foot and making the same, Full fashioned. K. R. Lieberknecht. 1,978,587; Oct. 30.
- Stockings, Knitting. W. Heinitz. 1,978,306; Oct. 23.
- Stockings, Making. K. R. Lieberknecht. 1,981,053; Nov. 20.
- Stockings on flat knitting machines, Knitting. W. Heinitz. 1,943,178; Jan. 9.
- Stocks, Cracking heavy. P. C. Keith, jr. 1,981,842; Nov. 20.
- Stoker. H. P. Anderson. 1,978,358; Oct. 23.
- Stoker. R. L. Beers. 1,980,467; Nov. 13.
- Stoker. F. H. Brown. 1,977,620; Oct. 23.
- Stoker. W. T. Hanna. 1,961,216; June 5.
- Stoker. W. T. Hanna. 1,967,241-2; July 24.
- Stoker. J. L. Hinderer. 1,980,755; Nov. 13.
- Stoker. F. D. Hoffman. 1,970,523; Aug. 14.
- Stoker. W. E. Lower. 1,953,021; Mar. 27.
- Stoker. W. C. Peyton. 1,945,787; Feb. 6.
- Stoker. F. P. Roesch. 1,983,998; Dec. 11.
- Stoker. G. Simmons. 1,970,344; Aug. 14.
- Stoker. L. R. Stowe. 1,985,625; Dec. 25.
- Stoker. C. J. Surdykowski. 1,978,063; Oct. 23.
- Stoker. E. A. Turner. 1,946,046; Feb. 6.
- Stoker. E. A. Turner. 1,969,338; Aug. 7.
- Stoker. F. W. Vodoz. 1,984,852; Dec. 18.
- Stoker and damper control for furnaces, Mechanical. T. V. Standifer and R. L. Hatfield. 1,960,718; May 29.

- Stoker and firedoor, Combined. P. A. Ketchpel. 1,942,819; Jan. 9.
- Stoker apparatus, Automatic. B. D. Wetmore. 1,954,856; Apr. 17.
- Stoker ash dumping mechanism. W. E. De Voe. 1,941,791; Jan. 2.
- Stoker, Automatic. W. H. Fulton. 1,971,035; Aug. 21.
- Stoker, Automatic. J. E. Imrie and W. W. Hudson. 1,985,660; Dec. 25.
- Stoker, Automatic. O. Lajoie. 1,965,704; July 10.
- Stoker, Automatic. L. H. Larsen. 1,945,050; Jan. 30.
- Stoker, Automatic. R. M. Robertson. 1,973,506; Sept. 11.
- Stoker, Automatic. E. T. Warner and A. Ousdahl. 1,960,835; May 29.
- Stoker, Automatic. W. H. Whitty and E. C. Taylor. 1,957,400; May 1.
- Stoker, Automatic furnace. V. M. Cruikshank. 1,979,871; Nov. 6.
- Stoker, Chain grate. A. E. Parker. 1,985,297; Dec. 25.
- Stoker, Coal. V. C. Norquist. 1,979,118; Oct. 30.
- Stoker, Coal burning. T. H. Banfield. Des. 91,845; Jan. 16.
- Stoker, Coal burning. V. F. Clark. Des. 92,793; July 17.
- Stoker, Coal burning. H. B. Donley. 1,954,072; Apr. 10.
- Stoker, Coal burning. J. R. Whitehead. Des. 93,643; Oct. 16.
- Stoker construction. R. L. Beers. 1,968,277; July 31.
- Stoker construction. R. L. Beers. 1,977,665; Oct. 23.
- Stoker construction. W. T. Hanna. 1,961,215; June 5.
- Stoker control. C. Kay. 1,981,454; Nov. 20.
- Stoker control switch. L. R. Teeple. 1,979,164; May 15.
- Stoker conveyor. H. P. Anderson. 1,953,036; Mar. 27.
- Stoker conveyor trough. E. E. Hicken. 1,950,239; Mar. 6.
- Stoker distributor. J. P. Cox. 1,975,224; Oct. 2.
- Stoker, Domestic. F. D. Hoffman. 1,962,689; June 12.
- Stoker-drive. A. E. Weaver. 1,955,123; Dec. 18.
- Stoker feed structure. R. E. Bressler. 1,956,789; May 1.
- Stoker for coal stoves, Automatic. C. H. Strange. 1,942,947; Jan. 9.
- Stoker for furnaces. F. V. Monkosky. 1,962,666; June 12.
- Stoker for furnaces, Automatic. V. M. Cruikshank. 1,961,552; June 5.
- Stoker for pulverized fuel. H. N. Dilling. 1,943,376; Jan. 16.
- Stoker fuel distributing apparatus. H. E. Lippert. 1,984,025; Dec. 11.
- Stoker, Furnace. O. L. Bardes. 1,965,761; July 10.
- Stoker, Furnace. A. Christianson. 1,982,372; Nov. 27.
- Stoker furnace. W. A. Hare. 1,974,308; Sept. 18.
- Stoker, Furnace. H. E. Preston. 1,958,639; May 15.
- Stoker furnace construction. R. C. Denny. 1,982,797; Dec. 4.
- Stoker, Household furnace. R. L. Lindemuth. 1,951,425; Mar. 20.
- Stoker, Locomotive. W. T. Hanna. 1,971,343; Aug. 28.
- Stoker, Locomotive. M. C. M. Hatch. 1,955,291; Apr. 17.
- Stoker, Locomotive. H. E. Lippert. 1,952,720; Mar. 27.
- Stoker, Locomotive. N. M. Lower. 1,947,723-4; Feb. 20.
- Stoker, Locomotive. N. M. Lower. 1,957,409; May 1.
- Stoker, Locomotive. C. J. Surdykowski. 1,952,691; Mar. 27.
- Stoker, Locomotive. E. A. Turner. 1,946,044; Feb. 6.
- Stoker, Locomotive. D. T. Williams. 1,948,812; Feb. 27.
- Stoker, Mechanical. W. D. Burton. 1,946,776; Feb. 13.
- Stoker, Mechanical. C. T. Denker. 1,961,098; May 29.
- Stoker, Mechanical. F. X. and E. J. Lauterbur. 1,970,858; Aug. 21.
- Stoker, Mechanical. H. E. Preston. 1,965,317; July 3.
- Stoker, Mechanical. H. C. Woodbridge. Re19,336; Oct. 2.
- Stoker, Mechanical. H. C. Woodbridge. 1,957,304; May 1.
- Stoker, Mechanical. J. Wynn, jr. 1,956,939; May 1.
- Stoker, Mechanical. H. F. Yerges. Des. 93,371; Sept. 18.
- Stoker mechanism. P. A. Ketchpel. 1,952,714; Mar. 27.
- Stoker mechanism. C. J. Surdykowski. 1,948,686; Feb. 27.
- Stoker mechanism. C. J. Surdykowski. 1,957,680; May 8.
- Stoker mechanism. E. A. Turner. 1,947,684-5; Feb. 20.
- Stoker mechanism. E. A. Turner. 1,953,032; Mar. 27.
- Stoker tuyere. H. E. Preston. 1,944,948; Jan. 30.
- Stoker, Underfeed. J. W. Armour and C. H. Rich. 1,950,536; Mar. 13.
- Stoker, Underfeed. E. A. Turner. 1,960,072; May 22.
- Stokers, Method of and apparatus for controlling the refueling of coal. L. R. Teeple. 1,975,128; Sept. 11.
- Stone-channeling machine. E. H. Hellstrom. 1,980,135; Nov. 6.
- Stone cutting tool. P. S. Legge. 1,965,384; July 3.
- Stone facing for frame buildings. M. T. Bennett. 1,954,611; Apr. 10.
- Stone fluting and molding attachment. L. D. Walls. 1,945,471; Jan. 30.
- Stone jewelry unit, Multiple. J. Gautlerl. 1,958,946; May 15.
- Stone, Old. A. A. Schmidt. 1,948,079; Feb. 20.
- Stone or the like. Apparatus for drying or mixing. B. G. W. Bartlett. 1,971,474; Aug. 28.
- Stone, Precious or semiprecious or synthetic. A. Bayardl. Des. 92,694; July 10.
- Stone surfacing and drawing machine, Combined. A. D. Oldham. 1,945,490; Jan. 30.
- Stone surfacing machine. J. J. McClymont. 1,955,081; Apr. 17.
- Stone, Synthetic precious. M. Jaeger and H. Espig. 1,952,255-6; Mar. 27.
- Stones from coal, Apparatus for removing. A. J. Revelart. 1,948,800; Feb. 27.
- Stones, Preparing lithographic. J. G. Mark. 1,950,684; Mar. 13.
- Stool. J. Worley, jr., and E. L. Vreeland. 1,981,017; Nov. 20.
- Stool and Christmas tree holder, Combined. J. E. Neidinger. 1,962,255; June 12.
- Stool and stepladder, Combined. A. E. Hindle. 1,973,628; Sept. 11.
- Stool and table, Convertible camp. A. Schenck. 1,949,662; Mar. 6.
- Stool, Beach. V. Leibo. 1,956,956; May 1.
- Stool, Counter. E. P. Weidman. 1,967,016; July 17.
- Stool, Defecating. H. G. Moulder. 1,972,233; Sept. 4.
- Stool, Folding. V. Gurbachi. 1,982,295; Nov. 27.
- Stool, Folding. W. W. Thuren. 1,978,870; Oct. 30.
- Stool, Milking. N. B. Hansen. 1,984,212; Dec. 11.
- Stool, Revoluble. P. Madsen. 1,942,033; Jan. 2.
- Stop actuating mechanism for braiding machines. F. Murray. 1,961,620; June 5.
- Stop actuating mechanism for braiding machines. F. W. Plumb. 1,964,481; June 26.
- Stop and change-over for moving-picture projectors, Automatic. H. H. Fenner and R. E. Silvis. 1,945,682; Feb. 6.
- Stop and discharge valve. E. S. Cornell, jr. 1,974,419; Sept. 25.
- Stop, Automatic. H. Paxton. 1,963,377; June 19.
- Stop, Automatic door. A. J. Wecker. 1,944,382; Jan. 23.
- Stop, Automatic door draft. M. J. Brennan. 1,963,882; June 19.
- Stop. Car. C. P. Mullen. 1,947,354; Feb. 13.
- Stopcock. R. J. Johnston. 1,946,745; Feb. 13.
- Stop detector. A. E. Hudd. 1,984,679; Dec. 18.
- Stop device. C. S. Baker. 1,955,443; Apr. 17.
- Stop device, Adjustable. K. A. Sylvester and O. A. Huber. 1,968,059; July 31.
- Stop device for tabulating machines. F. M. Carroll. 1,950,479; Mar. 13.
- Stop device, Registering. E. J. Grant. 1,981,231; Nov. 20.
- Stop for bag closing machines. C. F. Allison. 1,963,730; June 19.
- Stop for bottles by metallic capsules. C. Colombani. 1,961,872; June 5.
- Stop for bowling alley, Friction. B. Borders. 1,967,858; July 24.
- Stop for brake shoes, Adjustable. M. Loughead. Re19,225; June 26.
- Stop for chucking machines, Automatic. A. J. Lewis. 1,985,612; Dec. 25.
- Stop for electrically driven machines, Automatic. W. J. Gibbs. 1,949,119; Feb. 27.
- Stop for elevator gates. F. H. Moyer. 1,965,200; July 3.
- Stop for extrusion presses, Automatic. M. A. Fair. 1,977,824; Oct. 23.
- Stop for fasteners. R. C. Legat. 1,952,506; Mar. 27.
- Stop for gas meter tangent arms. W. H. Knight, jr. 1,956,035; Apr. 24.
- Stop for machine belt type, Automatic. H. G. Kellogg. 1,946,534; Feb. 13.
- Stop for motion picture apparatus. A. Lingg and L. Goldhammer. 1,977,134; Oct. 16.
- Stop for rotating parts. E. M. Shinkle. 1,947,502; Feb. 20.
- Stop for rotating parts. E. M. Shinkle. 1,963,104; June 19.
- Stop for typewriting machines, Margin. B. J. Dowd. 1,969,596; Aug. 7.
- Stop, Hydraulic plunger. N. H. Ricker. 1,943,553; Jan. 16.
- Stop joint for electric cables. G. B. Shanklin. 1,952,097; Mar. 27.
- Stop joint for liquid filled cables. L. Emanuell. 1,979,149; Oct. 30.
- Stop light switch. S. and H. G. Dyktor. 1,949,994; Mar. 6.
- Stop mechanism. A. P. Berejkoff and F. C. Brockman. 1,977,334; Oct. 16.
- Stop mechanism. R. H. Lawson. 1,956,990; May 1.
- Stop mechanism, Automatic. A. Bodenschatz. 1,982,632; Dec. 4.
- Stop mechanism for braiding machines. F. Autem. 1,959,403; May 22.
- Stop mechanism for engines, Overspeed safety. G. L. Lindsay. 1,978,951; Oct. 30.
- Stop mechanism for hoists. W. T. Walker. 1,960,283; May 29.
- Stop mechanism for knitting machines. J. Wachsman. Re19,069; Feb. 6.
- Stop mechanism for looms. F. Breitschädel. 1,956,486; Apr. 24.
- Stop mechanism for machines, Automatic. F. N. Ross and H. L. Johnson. 1,980,294; Nov. 13.
- Stop mechanism for toving frames. G. W. Grier and J. E. Norket. 1,955,365; Apr. 17.
- Stop mechanism, Movable. S. H. Owens. 1,949,218; Feb. 27.
- Stop motion. J. O. McKean. 1,958,060; May 8.
- Stop motion device. G. Shuford, B. F. Childres, and F. Christian. 1,980,103; Nov. 6.
- Stop motion for Axminster looms, Electrical filling. W. W. Robertson. 1,958,112; May 8.
- Stop motion for dyeing machines. J. E. Peterson. 1,958,675; May 15.

- Stop motion for looms. V. C. Hassol. 1,980,940; Nov. 13.
 Stop motion for looms. W. R. Hewton. 1,975,747; Oct. 2.
 Stop motion for looms, Filling. E. J. Gilligan. 1,963,266; June 19.
 Stop motion for warp knitting machines. P. H. Quick and E. W. Simpson. 1,971,427; Aug. 28.
 Stop, Novelty door. L. Clark. Des. 93,971; Dec. 4.
 Stop, Reciprocating motion engine. F. Henneböhle. 1,960,874; May 29.
 Stop-skid device and car lock. A. V. Nemours and C. R. Decker. 1,950,261; Mar. 6.
 Stop, Threshold. J. M. Yates. 1,963,819; June 19.
 Stop valve, Straight flow. M. Smolensky. 1,949,190-1; Feb. 27.
 Stop, Wall and floor. E. F. Piland. 1,947,954; Feb. 20.
 Stop wax distillates, Treating. R. C. Osterstrom and C. R. Wagner. 1,967,099; July 17.
 Stop, Window. F. J. Uecker. 1,967,338; July 24.
 Stop, Window-sash. N. Kulfsky. 1,950,251; Mar. 6.
 Stopper. M. Busse. 1,961,277; June 3.
 Stopper, Bottle. M. S. Lower. 1,946,981; Feb. 13.
 Stopper, Bottle. B. Olwig. Des. 92,365; May 29.
 Stopper, Bottle. E. F. Stephens. 1,942,845; Jan. 9.
 Stopper device for drain outlets. R. Rabinovich. 1,975,865; Oct. 9.
 Stopper, Dispensing bottle. C. W. Leguillon. 1,949,058; Feb. 27.
 Stopper for bottles and the like. D. E. Clark. 1,951,924; Mar. 20.
 Stopper for bottles and the like. A. A. R. Fastborg. 1,953,931; Apr. 10.
 Stopper for gas mains, Automatic. W. W. Gardner. 1,946,138; Feb. 6.
 Stopper, Gas main. H. L. Peden. 1,960,710; May 29.
 Stopper polishing machine. N. R. Beck. 1,963,459; June 19.
 Stopper, Sink. J. B. Hernandez. 1,981,358; Nov. 20.
 Stopping device for talking machines. G. F. Clark. 1,956,708; May 1.
 Stopping means for vehicles, Automatic. M. Rosenfeld. 1,983,882; Dec. 11.
 Stopping mechanism. H. B. Cooley. 1,955,577; Apr. 17.
 Stopping mechanism for looms. O. V. Payne. 1,965,155; July 3.
 Stopping mechanism for sewing machines. B. T. Leveque. 1,953,965; Apr. 10.
 Stops in a journal box, Lateral. J. A. Pilcher. 1,967,512; July 24.
 Storage and dispensing unit for frozen foods. L. G. Cope-man. 1,952,422; Mar. 27.
 Storage apparatus. M. S. Clark. 1,980,850; Nov. 13.
 Storage bag. A. Stone. 1,942,224; Jan. 2.
 Storage battery. G. C. Appel. R. W. Vicarey, and J. D. Wanvig, jr. 1,942,351; Jan. 2.
 Storage battery. R. N. Chamberlain. 1,944,066; Jan. 16.
 Storage battery. C. W. Dietrich. 1,958,186; May 8.
 Storage battery. J. A. Dodds. 1,977,506; Oct. 16.
 Storage battery. J. J. Drumm. 1,955,115; Apr. 17.
 Storage battery. E. F. Gibbin. 1,969,070; Aug. 7.
 Storage battery. L. E. Gum. 1,973,250; Sept. 11.
 Storage battery. A. L. Hopkins. 1,969,007; Aug. 7.
 Storage battery. O. E. Huebner. 1,947,473; Feb. 20.
 Storage battery. A. F. Jackson. 1,983,611; Dec. 11.
 Storage battery. F. Kurth. 1,966,726; July 17.
 Storage battery case. F. T. Kalas. Des. 91,525; Feb. 20.
 Storage battery container. C. J. Dunzweiler. 1,983,219; Dec. 4.
 Storage battery connector. B. F. W. Heyer. 1,970,091; Aug. 14.
 Storage battery container. R. L. Sommerville. Des. 93,362-3; Sept. 18.
 Storage battery. Low voltage. R. N. Chamberlain. 1,944,065; Jan. 16.
 Storage battery receptacle. W. G. Blake. 1,980,902; Nov. 13.
 Storage battery separator. M. H. Martindell. 1,981,736; Nov. 20.
 Storage battery separator. E. W. Smith. 1,942,667-8; Jan. 9.
 Storage of gasoline and the like. D. E. Moran. 1,958,487; May 15.
 Storage structure. W. H. Gravell. 1,960,906; May 29.
 Storage system. G. W. Hopkins. 1,953,408; Apr. 3.
 Storage tank. C. A. Ellis. 1,968,673; July 31.
 Storage tank. D. Wortmann. 1,954,581; Apr. 10.
 Storage tank, Shallow depth. J. M. Trapnell. 1,953,202; Apr. 3.
 Store fixture. R. J. Snook and N. Lippman. 1,955,370; Apr. 17.
 Store front. E. S. Bender. Des. 92,875; July 31.
 Store front. R. R. B. Jerry. Des. 91,942; Apr. 10.
 Store front. D. J. O'Connell, N. J. Schlossman, J. Demuth, and J. Loeb. Des. 91,468; Feb. 6.
 Store front construction. P. E. Attick and J. J. Boss-hard. 1,970,683; Aug. 21.
 Store front construction. H. Ernststoff. 1,974,238; Sept. 18.
 Store front construction. G. R. Kneeshaw. 1,985,174; Dec. 18.
 Store-front construction. L. Lamer. 1,947,651; Feb. 20.
 Store front construction. F. J. Plym. 1,981,193; Nov. 20.
 Store front construction. F. J. Plym. 1,984,495; Dec. 18.
 Store or stand, Roadside. F. F. Field, jr. Des. 93,208; Sept. 4.
 Storing and dispensing articles, Apparatus for. J. J. Horan and O. Du Pernell. 1,959,981; May 22.
 Stove. J. C. Glenn. 1,978,747; Oct. 30.
 Stove. C. L. Hardwick. Des. 92,298-9; May 22.
 Stove. S. F. Jackes and F. W. Pavey. Des. 92,250; May 15.
 Stove. B. B. Kahn. 1,947,554; Feb. 20.
 Stove. H. Lange. Des. 93,984; Dec. 4.
 Stove. C. J. Rogers. Des. 93,182; Aug. 28.
 Stove. A. H. Tinnerman. Des. 92,440; June 5.
 Stove. F. E. Wolcott. 1,956,663; May 1.
 Stove and heater, Combination. G. G. Buckland. 1,970,075; Aug. 14.
 Stove and operating same, Gasoline. M. H. Pinkerton. 1,984,494; Dec. 18.
 Stove and range, Gas or electric cooking. J. Teller and A. P. Schulz. 1,981,084; Nov. 20.
 Stove, Blast-furnace. A. Bowland. 1,983,017; Dec. 4.
 Stove, Built-in cooking. S. G. Weiler. 1,962,222; June 12.
 Stove, Cabinet. C. J. Rogers. 1,963,281; June 19.
 Stove, Camp. E. Stulik. Des. 91,639; Feb. 27.
 Stove, Circulating heating. M. G. Klemme. 1,957,544; May 8.
 Stove, Collapsible electric. R. A. Conry. 1,959,198; May 15.
 Stove, Combined heating and cooking. L. S. Chadwick, M. Resek, and C. J. Kessler. Des. 93,205; Sept. 4.
 Stove construction. G. E. Pickup. 1,697,257; July 24.
 Stove, Cook. S. Klute. Des. 92,540; June 19.
 Stove, Cooking. H. H. Fleer and S. Morgan. Des. 92,456; June 12.
 Stove, Cooking. J. D. Jackson. 1,980,060; Nov. 6.
 Stove, Cooking. B. B. Kahn. Des. 92,539; June 19.
 Stove, Cooking. M. G. Klemme. 1,948,118; Feb. 20.
 Stove, Cooking. M. G. Klemme. 1,969,564-5; Aug. 7.
 Stove door hinge. E. S. Smith. 1,963,388; June 19.
 Stove drawer. C. M. Dibble. 1,941,541; Jan. 2.
 Stove, Electric. E. C. Crowley. Des. 92,946; Aug. 7.
 Stove, Electric. C. J. Weinhardt and G. A. Danneker. Des. 92,329; May 22.
 Stove, Electric. F. E. Wolcott. 1,983,211; Dec. 4.
 Stove, Gas. J. J. Toomey. 1,954,580; Apr. 10.
 Stove, Gas. O. Wiederhold. 1,963,817; June 19.
 Stove, Gas. S. A. Wilde. 1,955,480; Apr. 17.
 Stove, Heater and brooder. G. M. Hughes. 1,973,257; Sept. 11.
 Stove, Hot blast. F. R. McGee. 1,942,762; Jan. 9.
 Stove, Liquid fuel. F. E. Kip. 1,948,221; Feb. 20.
 Stove, Liquid fuel cook. W. T. Bradbury. Des. 93,812; Nov. 13.
 Stove or furnace. E. F. Eichhorn. 1,954,923; Apr. 17.
 Stove or heater. H. Lange. 1,979,889; Nov. 6.
 Stove or range base. A. H. Moecker. 1,956,128; Apr. 24.
 Stove or range, Cooking. E. S. Burch and F. J. Freeland. 1,961,332; June 5.
 Stove or similar article. F. J. Freeland. Des. 92,068; Apr. 24.
 Stove pipe. A. Lunn. 1,952,381; Mar. 27.
 Stove pipe joint. R. F. Twickler. 1,984,607; Dec. 18.
 Stove pipe joint. J. E. Pallas. 1,983,989; Dec. 11.
 Stove, Portable. L. C. Remington. 1,955,147; Apr. 17.
 Stove structure. J. Teller. 1,981,972; Nov. 27.
 Stove, Table. A. F. Fukal. Des. 91,774; Mar. 20.
 Stove top, back-guard member, lighting unit, and shade, Combined. L. Stephen. Des. 91,464; Feb. 6.
 Straightedge, Wall-paper trimmer's. F. E. and R. A. Edgren. 1,942,542; Jan. 9.
 Strain equalizing device. W. P. Frost. 1,947,708; Feb. 20.
 Strain on hoisting ropes, Device for equalizing. W. P. Frost. 1,964,982; July 3.
 Strainer. A. G. Andrews. 1,950,378; Mar. 13.
 Strainer. E. O. Benjamin. 1,976,914; Oct. 16.
 Strainer. H. J. Burnish. 1,965,368; July 3.
 Strainer. W. A. Gordon. 1,956,720; May 1.
 Strainer. F. Henneböhle. 1,950,983; Mar. 13.
 Strainer. E. H. Johnson. 1,956,719; May 1.
 Strainer. W. F. Lewis. 1,946,943; Feb. 13.
 Strainer, Air. C. C. Farmer. 1,943,592; Jan. 16.
 Strainer and tube connection, Combined. D. D. Wile. 1,959,514; May 15.
 Strainer apparatus. B. S. Burrell. 1,968,741; July 31.
 Strainer, Automatic self-cleaning. F. Wille, A. J. Hulse, and W. M. Kirk. 1,950,466; Mar. 13.
 Strainer, Drain. J. Rossman. 1,950,817; Mar. 13.
 Strainer, Filtering. L. J. Hois. 1,958,701; May 15.
 Strainer, Fluid. J. R. Winton. 1,977,601; Oct. 16.
 Strainer for pumps, Sand. A. C. Saxe. 1,945,824; Feb. 6.
 Strainer, Milk. C. L. Turner. 1,945,668; Feb. 6.
 Strainer or the like, Siphon. C. A. Schacht. 1,967,785; July 24.
 Strainer outlet and shut-off, Combined. H. Charnatz. 1,967,607; July 24.
 Strainer, Pulp. M. Lamort. 1,945,492; Jan. 30.
 Strainer, Pump suction. J. M. Shimer. 1,971,733; Aug. 28.
 Strainer, Self-closing. O. Muenster. 1,977,006; Oct. 16.
 Strainer, Sink. L. G. Ebert and M. K. Grable. 1,984,524; Dec. 18.
 Strainer trap. E. M. Krueger. 1,961,498; June 5.
 Strainer, Well. D. J. Hamm. 1,979,740; Nov. 6.
 Strand assembling apparatus. W. T. Barrans and B. K. Ford. 1,954,979; Apr. 17.
 Strand coating device. G. W. Danielson. 1,972,824; Sept. 4.
 Strand handling apparatus. H. P. Arkema and B. M. A. Trebes. 1,955,785; Apr. 24.

- Strand holding and tensioning device. A. Bohm. 1,952,358; Mar. 27.
- Strand inlaying machine. E. H. Angier and E. R. Dearborn. 1,951,301; Mar. 13.
- Strand manipulating mechanism. E. J. Abbott. 1,964,715; July 3.
- Strand material from a spool. Method of and apparatus for unwinding. W. E. Wardwell. 1,962,974; June 12.
- Strand twisting machine. A. Littlefield. 1,952,929; Mar. 27.
- Strand winding apparatus. E. E. Newton, H. P. Ray, and A. A. Maurer. 1,964,530; June 26.
- Strand winding machine. G. P. Bosworth. 1,953,641; Apr. 3.
- Strand working apparatus. E. E. Newton, H. P. Ray, and A. A. Maurer. 1,964,529; June 26.
- Stranding. E. A. Conner. 1,972,290; Sept. 4.
- Stranding, cabling, ropemaking, and lapping machine. J. H. Larmuth. 1,951,513; Mar. 20.
- Strands and method of handling them. R. R. Nydegger. 1,947,166; Feb. 13.
- Strands, Apparatus for twisting. L. L. Weaver. 1,981,134; Nov. 20.
- Strands, Method of and apparatus for coating. C. M. Underwood. 1,931,130; Nov. 20.
- Strands, Method of and apparatus for handling. J. W. Andrews. 1,964,493; June 26.
- Strap: See—
- Adjustable ribbon strap.
- Strap fastener. O. Christoffersen. 1,958,911; May 15.
- Strap for garments, Shoulder. A. Harrison. 1,972,933; Sept. 11.
- Strap for women's undergarments, Shoulder. J. R. Bux. 1,976,982; Oct. 16.
- Strap joint forming tool. H. C. Porter. 1,952,092; Mar. 27.
- Strap pudding machine and process. W. Nyce. 1,960,195; May 22.
- Strap release for casket and burial vault lowering devices. W. A. Johnsen. 1,941,605; Jan. 2.
- Straw dispenser, Vertically slotted. C. C. Suiter. 1,942,846; Jan. 9.
- Straw gathering attachment for harvesters. C. R. Adams. 1,980,027; Nov. 6.
- Straw rack. C. Senzek. 1,965,782; July 10.
- Straw retarder. T. N. Pierson. 1,972,031; Aug. 28.
- Strawberry. G. D. Aiken. Pl. Pt. 112; Nov. 20.
- Strawberry. E. P. Wray. Pl. Pt. 101; Aug. 7.
- Stream line wire wrench. F. A. Volz. 1,942,316; Jan. 2.
- Street construction. H. R. Decker. 1,930,041; Nov. 6.
- Street sign. H. P. Andresen. 1,959,849; May 22.
- Street sign. R. H. Storer. 1,956,814; May 1.
- Street sign. S. Wright. 1,974,998; Sept. 25.
- Strength of material testing device. J. Gogan. 1,978,302; Oct. 23.
- Stretch comparator. H. Koester. 1,960,675; May 29.
- Stretching. H. T. Anderson and E. C. David. 1,983,889; Dec. 11.
- Stretching and drier, Curtain. O. C. Luecke. 1,974,748; Sept. 25.
- Stretching and prop, Curtain. R. Vinall. 1,944,019; Jan. 16.
- Stretching, Carpet. R. D. Peterson. 1,952,218; Mar. 27.
- Stretching, Curtain. I. Creel. 1,953,532; Apr. 3.
- Stretching, Curtain. J. M. Gladish. 1,967,615; July 24.
- Stretching, Curtain. A. C. Kulp. 1,942,821; Jan. 9.
- Stretching, Curtain. G. V. Male. 1,949,061; Feb. 27.
- Stretching, Curtain. A. K. Mitchell, Jr. 1,941,810; Jan. 2.
- Stretching, Curtain. C. Tonnesen. 1,960,095; May 22.
- Stretching for hosiery driers. J. H. and J. C. Pridham. 1,952,511; Mar. 27.
- Stretching, Garment. A. C. Jack. 1,977,066; Oct. 16.
- Stretching, Hat. W. Y. Abersch. 1,976,711; Oct. 16.
- Stretching, Shoe. J. A. Kaley. 1,976,446; Oct. 9.
- Stretching, Wire. J. P. Kessler. 1,965,193; July 3.
- Stretching, Wire. F. R. and A. H. Richards. 1,945,075; Jan. 30.
- Stretching and cutting-device on machines for pulling out threads. K. Mischke. 1,979,396; Nov. 6.
- Stretching frame. N. Landolphi. 1,951,734; Mar. 20.
- Stretching machine. R. L. Griffin and J. T. O'Neil. 1,943,794; Jan. 16.
- Stretching machine. R. L. Griffin and J. T. O'Neil. 1,957,830; May 8.
- Stretching machine grip. F. T. Cope. 1,958,419; May 15.
- Stretching tool. A. T. Bergstrom. 1,969,115; Aug. 7.
- Strike plate. S. Menton. 1,948,863; Feb. 27.
- Striker for latches. W. Schnell. 1,980,295; Nov. 13.
- Striking bag. R. C. Loveridge. 1,978,499; Oct. 30.
- Striking material for matches. R. S. Pullen. 1,984,316; Dec. 11.
- Striking tool. E. H. W. Weibull. 1,948,409; Feb. 20.
- Striking tool, Electrically driven. R. Dederer. 1,984,256; Dec. 11.
- String bean cleaner. G. J. Olney. 1,962,668; June 12.
- String cutting device. G. Genda. 1,971,814; Aug. 28.
- String galvanometer. L. W. Blau. 1,966,112; July 10.
- String galvanometer. J. D. Digby. 1,958,696; May 15.
- String galvanometer. F. O. Hindle. 1,942,027; Jan. 2.
- Strip aligning and tensioning device. L. F. Hagemann. 1,948,032-3; Feb. 20.
- Strip and joint, Flooring. P. O. Moratz. 1,953,306; Apr. 3.
- Strip feed. A. E. Borton. 1,959,853; May 22.
- Strip feeding device. T. H. Krueger. 1,962,721; June 12.
- Strip-feeding mechanism. A. E. Maspons. 1,959,922; May 22.
- Strip for floor coverings, Protecting and parting. J. J. Vaughan. 1,959,991; May 22.
- Strip material, Apparatus for cutting. F. D. Fowler and H. L. Davis. 1,958,138; May 8.
- Strip material, Apparatus for handling. A. Potdevin. 1,972,902-3; Sept. 11.
- Strip mill. W. C. Coryell. 1,943,005; Jan. 9.
- Strip, Nailing. R. S. Schmieder. 1,963,153; June 19.
- Strip scrubbing machine. H. S. Schutte. 1,963,063; June 19.
- Strip server, Electrically operated. A. F. Gillet. 1,981,229; Nov. 20.
- Strip serving apparatus. R. W. Phillips. 1,958,443; May 15.
- Strip serving device. R. W. Phillips. 1,959,293; May 15.
- Strip-serving machine. G. E. Johnson. 1,967,362; July 24.
- Strip serving means. R. W. Phillips. 1,959,294; May 15.
- Strip stock feed for presses. F. J. Littell. 1,947,015; Feb. 13.
- Strip structure, Dividing. H. L. Fink. 1,980,793; Nov. 13.
- Strip, Weather and lock door. J. Sandor. 1,974,253; Sept. 18.
- Strip winding device, Reversible. M. L. Weiss. 1,957,120; May 1.
- Strip, Window pane fastening. A. Brezinski. 1,964,557; June 26.
- Stripper. G. W. Johnson. 1,975,210; Oct. 2.
- Stripper and conveyor for carrier sheets. F. E. Flynn. 1,982,607; Nov. 27.
- Stripper and feeder for postal machines. G. Hilleh. 1,955,066; Apr. 17.
- Stripper, Continuous. J. R. Crockford. 1,959,124; May 15.
- Stripper finger for flatwork ironers. C. E. Hamilton, sr. 1,919,376; Nov. 20.
- Stripper for cigar machine pasters. J. F. Halstead. 1,945,037; Jan. 30.
- Stripping machine. E. W. Collins. 1,970,031; Aug. 14.
- Stripping machine. R. D. Easton. 1,972,648; Sept. 4.
- Stripping machine for folding box work, Automatic. A. Vernimb. 1,981,974; Nov. 27.
- Stripping mechanism. J. M. Glasson. 1,964,910; July 3.
- Stripping, Method of. K. C. Loughlin. 1,958,483; May 13.
- Stripping mold, Speed controlled. W. D. Sargent. 1,983,146; Dec. 4.
- Strips and sheets of thin sections of any desired length, Rolling metallic. L. E. Broemel. 1,957,009; May 1.
- Strips, Apparatus for tying. J. T. Leach. 1,942,558; Jan. 9.
- Strips, Making composite. E. C. Knuth. 1,956,462; Apr. 24.
- Strips of sheet metal, Connecting. J. R. Coe. 1,980,154; Nov. 6.
- Strips of stampings, Device for automatically reeling. A. Raiche. 1,958,068; May 8.
- Stripe painting machine. E. F. Woods. 1,946,260; Feb. 6.
- Stripping. J. M. Christman. 1,983,792; Dec. 11.
- Stripping attachment for knitting machines. W. Schuknecht. 1,971,581; Aug. 28.
- Stripping device. D. J. Dickerson. 1,944,224; Jan. 23.
- Stripping device. F. J. Ross. 1,974,587; Sept. 25.
- Stripping fixture. F. A. Benoit. 1,971,898; Aug. 28.
- Stripping instrument. W. C. Harbison. 1,970,851; Aug. 21.
- Stripping machine, Automatic. F. H. Harmon. 1,947,714; Feb. 20.
- Stripping tool. J. A. Pasche. 1,972,714; Sept. 4.
- Stroboscope. J. K. Leibing. 1,967,892; July 24.
- Stroboscope. S. D. Livingston. 1,949,483; Mar. 6.
- Stroboscope, Portable. D. A. Young. 1,948,740; Feb. 27.
- Stroboscopic testing apparatus. D. D. Knowles. 1,979,692; Nov. 6.
- Stroke adjusting device for power hammers. M. H. Damerell. 1,979,733; Nov. 6.
- Strop, Razor. H. Biener. 1,950,291; Mar. 6.
- Strop, Sanitary retractile razor. L. Lynch. 1,963,499; June 19.
- Stopper, Blade. A. D. Boulanger and F. P. Hubrich. 1,946,350; Feb. 6.
- Stopper, Razor. O. C. Brooks. 1,948,165; Feb. 20.
- Stopper, Razor. H. L. Daze. 1,983,739; Dec. 11.
- Stopper, roll. F. E. Wolcott. 1,970,119; Aug. 14.
- Stopping device. F. J. Katteyer. 1,944,793; Jan. 23.
- Structural adsorptive carbon and making same. J. C. Morrell. 1,968,847; Aug. 7.
- Structural adsorptive carbon and product, Making. J. C. Morrell. 1,968,846; Aug. 7.
- Structural assembly and assembling the same. E. J. W. Ragsdale. 1,966,933; July 17.
- Structural connection. A. G. Leake. 1,970,965; Aug. 21.
- Structural defects in materials, Method of and apparatus for detecting. D. W. Dana. 1,984,465; Dec. 18.
- Structural element. T. Ahlborn. 1,975,384; Oct. 2.
- Structural element. V. Jacobson. 1,972,592; Sept. 4.
- Structural element. H. Junkers. 1,956,354; Apr. 24.
- Structural element. H. Junkers. 1,972,997; Sept. 11.
- Structural element. M. Reiner, E. C. Bingham, and W. S. Lohr. 1,971,051; Aug. 21.
- Structural element, Hollow. H. Junkers. 1,978,494; Oct. 30.

- Structural elements, Forming tubular. H. M. Wilcox. 1,963,057; June 12.
- Structural insert. H. E. Eichner. 1,969,879; Aug. 14.
- Structural material. T. B. Munroe and G. E. Swenson. 1,976,684; Oct. 9.
- Structural member. E. W. Coleman. 1,977,715; Oct. 23.
- Structural member. L. R. Grumman. 1,975,228; Oct. 2.
- Structural member. F. and I. Himmel. 1,984,134; Dec. 11.
- Structural members by welding and the structural members obtained thereby, Producing. K. Weber. 1,973,591; Sept. 11.
- Structural members for drilling and like operations, Apparatus for positioning. H. H. McClintic. 1,956,904; May 1.
- Structural members, Straightening metallic. D. K. Crampton. 1,966,955; July 17.
- Structural metal shape. F. B. Marter. 1,971,615; Aug. 28.
- Structural pieces, Correlating a plurality of initially separate. W. R. Wiley. 1,965,718; July 10.
- Structural section. B. Novambère. 1,978,473; Oct. 30.
- Structural steel bracket. M. H. Hickey. 1,949,569; Mar. 6.
- Structural supporting means. E. C. Wendt. 1,960,652; May 29.
- Structural toy. H. R. Mack. 1,973,536; Sept. 11.
- Structural unit. S. Macomber. 1,969,312; Aug. 7.
- Structural unit and making the same, Preformed. J. C. MacIldowie. 1,970,328; Aug. 14.
- Structural unit, Making. W. McQuade. 1,945,004; Jan. 30.
- Structure. N. Garrett. 1,963,980; June 26.
- Structure. M. K. McCosh. 1,943,982; Jan. 16.
- Structure, such as tank roof. E. R. Schaeffer. 1,984,551; Dec. 15.
- Structure, such as tank roofs. E. R. Schaeffer. 1,974,314; Sept. 18.
- Structures, Apparatus for building. N. Garrett. 1,963,981; June 26.
- Structures, Erecting. N. Garrett. 1,963,982; June 26.
- Structures, Making. N. Garrett. 1,963,979; June 26.
- Strut for aeroplanes, Shock absorbing. R. E. Dowd. 1,943,887; Jan. 16.
- Strut for stagings, Adjustable. J. Dietrich. 1,942,088; Jan. 2.
- Strut, Hydropneumatic. J. F. Wallace. 1,949,288; Feb. 27.
- Strut, Olepneumatic. J. E. Piccard. 1,950,995; Mar. 13.
- Stud. J. T. Duffy, Jr. 1,962,711; June 12.
- Stud driver. C. F. Senkewitz. 1,968,053; July 31.
- Studding and plate, Metallic. C. Collins. 1,985,150; Dec. 18.
- Studio couch. A. Wesley. 1,967,343; July 24.
- Studio couch frame. C. H. Turner. 1,946,822; Feb. 13.
- Stuff for garments. H. Pferdenges. 1,976,631; Oct. 9.
- Stuffing box. H. E. Adams. 1,973,323; Sept. 11.
- Stuffing box. N. L. Black. 1,976,916; Oct. 16.
- Stuffing box. W. M. Fleming. 1,968,999; Aug. 7.
- Stuffing box. E. Kägi. 1,964,063; June 26.
- Stuffing box. R. H. Miller. 1,959,984; May 22.
- Stuffing box and bearing, Self-aligning. J. D. Spalding. 1,977,020; Oct. 16.
- Stuffing box and packing the same. J. F. McKee. 1,953,493; Apr. 3.
- Stuffing-box for nonrising gate valves. H. T. Wheeler. 1,971,169; Aug. 21.
- Stuffing box for reciprocating pumps and the like. W. Siegert. 1,960,927; May 29.
- Stuffing box, Plastic packing. H. T. Wheeler. 1,975,886; Oct. 9.
- Stuffing device. J. A. Weiland. 1,943,197; Jan. 9.
- Subgrader. C. Fanfarillo. 1,949,151; Feb. 27.
- Sub-grader. F. J. Leydecker. 1,978,464; Oct. 30.
- Subgrades for roads and highways, Preparing. P. Hubbard. 1,969,267; Aug. 7.
- Submarine barrier and launching and arming means therefor. E. Olmo. 1,956,333; Apr. 24.
- Submarine drill unit. C. C. Hansen. 1,958,041; May 8.
- Submarine life saving apparatus. B. A. Viveiros. 1,930,647; Nov. 13.
- Submarine mine-layer. F. Martinoli and E. Gerolimich. 1,941,949; Jan. 2.
- Submarine rescue device. H. L. Pegg. 1,969,941; Aug. 14.
- Submarine salvage and recovery apparatus. S. Lake. 1,952,080; Mar. 27.
- Submarine salvage and recovery apparatus. S. Lake. 1,959,370; May 22.
- Submarine salvage and recovery apparatus. S. Lake. 1,963,996; June 26.
- Submarine salvaging system. P. V. Florido. 1,946,492; Feb. 13.
- Submarine signaling. R. D. Fay and H. G. Dorsey. 1,968,821; Aug. 7.
- Submerged cutting. H. G. Robinson. 1,969,238; Aug. 7.
- Submerged structures, Mechanism for building. C. B. Christiansen. 1,946,389; Feb. 6.
- Submerged surfaces, Process and apparatus for treating. V. H. Kelley. 1,973,813; Sept. 18.
- Submersible electric motor, Oil filled. A. Arutunoff. 1,970,484; Aug. 14.
- Submersible bearing. J. M. Hait. 1,945,776; Feb. 6.
- Submersible pump. K. Wernert. 1,947,630; Feb. 20.
- Substance support for slicing machines. W. A. van Berkel. 1,960,420; May 29.
- Substances in purified condition by a special treatment with miscible liquids of different solvent power and volatility, Obtaining. E. C. Prins and J. F. Lemmens. 1,955,016; Apr. 17.
- Substances in vacuum valves, Arrangement for scattering auxiliary. B. Loewe. 1,957,145; May 1.
- Substances such as sugar, Measuring and dispensing. W. J. S. Jones. 1,966,982; July 17.
- Substation from a remote main station, Arrangement for the operation of a. M. Schleicher, L. Brandenburger, and F. Eichler. 1,965,393; July 3.
- Substitute for wood, Making a. E. C. Loetscher. 1,959,375; May 22.
- Substitution derivatives of cellulose, Treatment of. C. Dreyfus and G. Schneider. 1,954,729; Apr. 10.
- Substitution products of the carbazole sulphonic acids. F. Muth and A. Schmelzer. 1,973,012; Sept. 11.
- Substratum for photographic elements. J. G. McNally. 1,981,425; Nov. 20.
- Subsurface formations, Surveying. J. E. Owen. 1,959,004; May 15.
- Subtracting device. H. A. Weinlich and U. Kölm. 1,981,977; Nov. 27.
- Sucker rod guide. C. W. Engle. 1,955,276; Apr. 17.
- Sucker rod locking device. J. L. Mulert. 1,957,795; May 8.
- Sucker rods, Making. V. B. Browne. 1,947,969; Feb. 20.
- Suction apparatus. F. L. Barstow. 1,978,982; Oct. 30.
- Suction boosting apparatus. H. Hueber and E. C. Horton. 1,969,078; Aug. 7.
- Suction box for the manufacture of paper and similar products. E. Lamort. 1,950,853; Mar. 13.
- Suction box top for a paper making machine. J. Proulx. 1,977,352; Oct. 16.
- Suction cleaner. H. R. Ballou. 1,953,581; Apr. 3.
- Suction cleaner. B. C. Becker. 1,953,943; Apr. 10.
- Suction cleaner. B. C. Becker. 1,953,944-5; Apr. 10.
- Suction cleaner. A. M. Bennett. 1,970,355; Aug. 14.
- Suction cleaner. E. Butzer. 1,953,586; Apr. 3.
- Suction cleaner. J. C. Doemling. 1,953,340; Apr. 3.
- Suction cleaner. J. B. Dyer. 1,968,885; July 10.
- Suction cleaner. H. G. Fairfax. 1,970,293; Aug. 14.
- Suction cleaner. H. E. Hoover. 1,971,040; Aug. 21.
- Suction cleaner. J. B. Kirby. 1,976,998; Oct. 16.
- Suction cleaner. J. B. Kirby. 1,983,175; Dec. 4.
- Suction cleaner. W. H. Kitto. 1,953,350; Apr. 3.
- Suction cleaner. W. H. Kitto. 1,953,616; Apr. 3.
- Suction cleaner. W. H. Kitto. 1,953,617; Apr. 3.
- Suction cleaner. W. O. Langille. 1,959,167; May 15.
- Suction cleaner. C. E. Lucke. 1,952,999; Mar. 27.
- Suction cleaner. E. F. Martinet. 1,970,665; Aug. 21.
- Suction cleaner. L. W. Pardee. 1,960,063; May 22.
- Suction cleaner. F. Riebel, Jr. 1,941,758; Jan. 2.
- Suction cleaner. F. Riebel, Jr. 1,980,438; Nov. 13.
- Suction cleaner. W. D. Sellers. 1,965,614-15; July 10.
- Suction cleaner. D. G. Smellie. 1,957,506; May 8.
- Suction cleaner. W. H. Tucker. 1,965,613; July 10.
- Suction cleaner. H. B. White. 1,950,157; Mar. 6.
- Suction cleaner. H. B. White. 1,952,900; Mar. 27.
- Suction cleaner. H. B. White. 1,957,566; May 8.
- Suction cleaner. H. B. White. 1,971,059; Aug. 21.
- Suction cleaner. J. W. Wolfe. 1,975,817; Oct. 9.
- Suction cleaner casing. C. G. Frantz. Des. 91,864; Apr. 3.
- Suction cleaner casing. J. B. Kirby. Des. 91,886; Apr. 3.
- Suction cleaning apparatus. E. F. Martinet. 1,972,745; Sept. 4.
- Suction device. C. Freyn. 1,960,902; May 29.
- Suction device for cylinder boring machines. E. A. Hall. 1,955,182; Apr. 17.
- Suction fishing tool. O. A. Cavins. 1,944,169; Jan. 23.
- Suction line for storage tanks. J. G. Steele. 1,966,998; July 17.
- Suction patter. F. N. Lewis. Des. 92,054; Apr. 17.
- Suction producing pump. E. D. Smith. 1,968,716; July 31.
- Suds box. H. C. Riggs and W. O. Paisley. 1,950,010; Mar. 6.
- Suede leather having a high polish, and suede leather of this type, Making. M. Weyner. 1,949,384; Feb. 27.
- Sugar and making the same, Nonmottling and nonhardening maple. L. Skazin and J. F. Snell. 1,970,870; Aug. 21.
- Sugar dispenser. A. Asplund. 1,943,199; Jan. 9.
- Sugar dispenser. J. E. Drotar. 1,960,731; May 29.
- Sugar dispenser. A. E. Johnson. 1,973,412; Sept. 11.
- Sugar explosive, Nitrated. H. A. Lewis. 1,947,530; Feb. 20.
- Sugar juices, Purifying. J. P. Foster. 1,954,566; Apr. 10.
- Sugar juices, Treatment of. P. Wuidart. 1,957,876; May 8.
- Sugar making, Beet. G. M. Darby. 1,980,257; Nov. 13.
- Sugar manufacture. A. W. Bull and E. R. Ramsey. 1,941,461; Jan. 2.
- Sugar, Manufacture of raw. W. F. Hornberger. 1,956,741; May 1.
- Sugar melts, Treating. D. V. Wadsworth and L. Wicken-den. 1,956,260; Apr. 24.
- Sugar solution clarifier apparatus. R. S. Kent. 1,967,310; July 24.
- Sugars and other granular or comminuted materials, Apparatus for conveying. J. J. and H. G. Neuman. 1,957,224; May 1.
- Sugars and other hygroscopic material, Method and apparatus for drying. A. L. Johnston, Jr. and R. T. Norcheutt. 1,958,702; May 15.
- Sugars and products resulting therefrom, Oxidizing aldehyde. H. S. Isbell. 1,976,731; Oct. 16.
- Suit, Athletic. W. A. Crego. 1,962,984; June 12.
- Suit, Bathing. W. Daniel. 1,953,797; Apr. 3.

- Suit, Bathing. G. F. Earnshaw. 1,957,102; May 1.
 Suit, Bathing. G. L. Hall. 1,985,568; Dec. 25.
 Suit, Bathing. C. L. Martin. 1,981,320; Nov. 20.
 Suitcase. H. B. Bourland. 1,944,633; Jan. 23.
 Suitcase. G. H. Wheary. 1,978,873; Oct. 30.
 Suitcase, Wardrobe. B. M. Hamlin. 1,968,643; July 31.
 Suit, Ensemble. C. Jaccarino. Des. 93,109; Aug. 21.
 Suit hanger. C. F. Holman. 1,971,565; Aug. 28.
 Suits, Attachment for wash. M. Tartikoff. 1,955,660; Apr. 17.
 Sulphamino-phenyl-methyl-pyrazolones. W. Hentrich and J. Hilger. 1,982,163; Nov. 27.
 Sulphate of alumina, Manufacturing. G. R. Steuart. 1,960,320; May 29.
 Sulphate of alumina, Production of. R. S. Perry. 1,948,004; Feb. 20.
 Sulphate of ammonia, Manufacture of. G. Hiller. 1,957,268; May 1.
 Sulphated derivatives of butene, Making. B. T. Brooks. 1,970,687; Aug. 21.
 Sulphates of copper and zinc, Making the. H. P. Corson. 1,949,927; Mar. 6.
 Sulphates, Preparation of dialkyl. T. F. Carruthers. 1,949,366; Feb. 27.
 Sulphates, Preparation of dialkyl. H. L. Cox. 1,949,369; Feb. 27.
 Sulphide plastic and making same. C. Ellis. 1,964,725; July 3.
 Sulphides, Mercurated hydroxy aryl. W. G. Christiansen and E. Moness. 1,984,174; Dec. 11.
 Sulphides of nitro-aminodiphenyl or substitution products thereof, Manufacture of. R. Lantz. 1,965,776; July 10.
 Sulphite pulp and liquor, Treatment of. T. L. Dunbar. 1,955,057; Apr. 17.
 Sulphite pulp digester system. A. Christensen. 1,942,685; Jan. 9.
 Sulphite pulp, Manufacturing. E. Hochberger. 1,971,564; Aug. 28.
 Sulphite pulp, Manufacturing. E. Hochberger. 1,977,879; Oct. 23.
 Sulphite pulp, Treating. H. R. Murdock. 1,968,345; July 31.
 Sulpho-acids of high molecular weight, Production of. K. Lindner. 1,980,414; Nov. 13.
 Sulpho derivatives of higher fatty acids. G. Kalischer and K. Keller. 1,949,837; Mar. 6.
 Sulphodihalogenamides, Manufacture of aromatic. H. Mirau. 1,944,568; Jan. 23.
 Sulphonates, Manufacture of aromatic. T. S. Carswell. 1,970,556; Aug. 21.
 Sulphonates with ammonia, Separation and purification of. J. C. Bird and R. Rosen. 1,963,257; June 19.
 Sulphonation. N. B. Grillet. 1,956,571; May 1.
 Sulphonation of beta-naphthylamine. J. M. Tinker and V. A. Hansen. 1,969,189; Aug. 7.
 Sulphonation product of nitrogen containing conversion products of higher aliphatic hydrocarbons. K. Keller. 1,971,415; Aug. 28.
 Sulphonation products of urethanes and making same. H. Ulrich and P. Koerding. 1,964,654; June 26.
 Sulphone-morpholine compounds of the amino-anthraquinone series. K. Zahn and W. Gadke. 1,978,777; Oct. 30.
 Sulphonic acids, Production of. E. Schirm. 1,966,187; July 10.
 Sulphur and of sulphur and ammonia from gases, Removal of. W. Gluud, F. Brodkorb, and W. Klempt. 1,947,983; Feb. 20.
 Sulphur burner. G. H. Frantz. 1,949,933; Mar. 6.
 Sulphur colors. J. T. Linster, H. B. Pray, and H. A. Lubs. 1,981,055; Nov. 20.
 Sulphur composition. Wettable. P. D. Peterson. 1,973,910; Sept. 18.
 Sulphur compounds to elementary sulphur or hydrogen sulphide, Reducing. C. G. Maier. 1,941,702; Jan. 2.
 Sulphur compounds with ferrous sulphide, Conversion of organic. R. Rosen and E. Lieber. 1,976,806; Oct. 16.
 Sulphur-containing substances, Purifying. H. Whitaker. 1,952,482; Mar. 27.
 Sulphur content of gases, Recovering the. L. Rosenstein and G. A. Kramer. 1,945,163; Jan. 30.
 Sulphur die and its preparation. H. A. Lubs. 1,968,895; Aug. 7.
 Sulphur dioxide and catalyst therefor, Oxidation of. F. Slama and H. Wolf. Re19,282; Aug. 21.
 Sulphur dioxide content of a gas, Raising the. W. H. Leverett. 1,954,879; Apr. 17.
 Sulphur dioxide from gaseous mixtures, Separating. M. C. Boswell. 1,972,074; Sept. 4.
 Sulphur dioxide, Reducing. L. Rosenstein and L. Klein. 1,967,265; July 24.
 Sulphur, Extracting. A. Nagelvoort. 1,963,921; June 19.
 Sulphur from sulphide ores, Recovery of. C. R. Kuzell. 1,976,736; Oct. 16.
 Sulphur from sulphur dioxide, Separating. H. Ahlqvist. 1,955,722; Apr. 24.
 Sulphur from the products containing sulphur obtained from the wet purification of gas and especially of coal distillation gases. W. Fitz. 1,947,467; Feb. 20.
 Sulphur isotonic and injectable solution produced thereby, Making aqueous soluble colloidal. J. Torigian. 1,980,236; Nov. 13.
 Sulphur, Method of and apparatus for condensing. E. W. Wescott. 1,957,006; May 1.
 Sulphur preparation. C. J. Ramsburg. 1,983,399; Dec. 4.
 Sulphur, Purification of. J. S. Dunn. 1,967,874; July 24.
 Sulphur recovery. L. F. W. Leese. 1,947,529; Feb. 20.
 Sulphur, Recovery of. R. F. Bacon and I. Bencowitz. 1,954,279; Apr. 10.
 Sulphur, Recovery of. G. H. Gleason and A. C. Loonam. 1,972,884; Sept. 11.
 Sulphur, Recovery of. L. Rosenstein. 1,941,623; Jan. 2.
 Sulphur, Recovery of. L. Rosenstein. 1,967,263-4; July 24.
 Sulphur, Recovery of elemental. G. H. Gleason and A. C. Loonam. 1,972,883; Sept. 11.
 Sulphur separator. R. Schönfelder. 1,983,313; Dec. 4.
 Sulphur terpene compounds and producing the same. H. A. Gardner and L. P. Hart. 1,963,084; June 19.
 Sulphur, Treating recovered. S. I. Levy. 1,970,147; Aug. 14.
 Sulphur trioxide, Process and apparatus for the production of. W. L. Spalding. 1,970,923; Aug. 21.
 Sulphurated base. D. W. Parkes and C. D. Mitchell. 1,956,248; Apr. 24.
 Sulphuric anhydride, Making. H. F. Merriam. 1,965,963; July 10.
 Sulphuric derivatives of higher alcohols. H. Bertsch. 1,968,797; July 31.
 Sulphuric ester of higher alcohols. H. Bertsch. 1,968,793; July 31.
 Sulphuric esters of the anthraquinone series and process suitable for making same. D. A. W. Fairweather and J. Thomas. 1,949,299; Feb. 27.
 Sulphuric reaction products of aliphatic alcohols, Making. H. Bertsch. 1,968,794; July 31.
 Sump lubricating system for internal combustion engines, Dry. H. C. Uhl. 1,966,837; July 17.
 Sunbonnet. S. J. Goldsmith. Des. 93,212; Sept. 4.
 Sunshade for beaches or the like. H. M. Roth. Des. 93,183; Aug. 28.
 Sundry materials, Apparatus for molding. C. C. Hall. 1,946,740; Feb. 13.
 Supercharger. D. Gregg. 1,972,190; Sept. 4.
 Supercharger. C. H. Kenneweg. 1,979,747; Nov. 6.
 Supercharging organization for internal combustion engines. E. H. Crossen. 1,963,613; June 19.
 Superheat from compressed gas to be condensed in a surface condenser, Apparatus for removing. J. Neff. 1,946,328; Feb. 6.
 Superheat regulator. W. H. Armacost. 1,959,335; May 22.
 Superheater. O. Engler. 1,975,503; Oct. 2.
 Superheater. C. W. Gordon. 1,983,364; Dec. 4.
 Superheater. O. H. Hartmann. 1,975,508; Oct. 2.
 Superheater. A. Williams. 1,942,676; Jan. 9.
 Superheater boiler. J. A. Barnes. 1,957,929; May 8.
 Superheater boiler. C. W. Gordon. 1,972,143; Sept. 4.
 Superheater boiler, Antislugging. C. W. Gordon. 1,963,741; June 19.
 Superheater elements, Making tubular. C. W. Gordon and T. F. Birmingham. 1,964,051; June 26.
 Superheater for locomotives, Rear. M. Hard. 1,963,742; June 19.
 Superheater header. W. E. English. 1,963,740; June 19.
 Superheater, Portable. W. H. Armacost. 1,978,560; Oct. 30.
 Superheater, Radiant and convection. W. H. Armacost. 1,973,517; Sept. 11.
 Superheater, Radiant heat. D. S. Jacobus and J. E. Black. 1,945,548; Feb. 6.
 Superheater, Recuperative. A. Huet. 1,949,866; Mar. 6.
 Superheater, Steam. W. G. Noack. 1,948,939; Feb. 27.
 Superheating device. M. Ehlinger. 1,952,542; Mar. 27.
 Superheterodyne receiver. W. S. Barden. 1,944,117; Jan. 16.
 Superheterodyne receiver. K. Posthumus and T. J. Weyers. 1,966,045; July 10.
 Superheterodyne receiver. K. Posthumus and T. J. Weyers. 1,968,259; July 31.
 Superheterodyne receiver. W. van B. Roberts. 1,969,903; Aug. 14.
 Superheterodyne receiver. B. Van der Pol and T. J. Weyers. 1,961,720; June 5.
 Superheterodyne receiver, Multirange. P. O. Farnham. 1,943,788; Jan. 16.
 Superphosphate, Ammoniation of. E. W. Harvey. 1,948,520; Feb. 27.
 Superphosphate and like products, Apparatus for the manufacture of. D. Wellisch. 1,959,973; May 22.
 Superphosphate, Preparation of. E. H. Wight, D. L. Anderson, and W. N. Watmough, jr. 1,985,810; Dec. 25.
 Superregenerative receiver. W. van B. Roberts. 1,948,315; Feb. 20.
 Superregenerative receiver. W. v B. Roberts. 1,982,694; Dec. 4.
 Supervisory apparatus for radio beacons. E. Kramar. 1,953,239; Apr. 3.
 Supervisory equipment, Automatic. J. H. Oliver. 1,957,225; May 1.
 Supervisory system. H. P. Boswau. 1,948,743; Feb. 27.
 Supervisory system. C. E. Stewart. 1,945,667; Feb. 6.
 Supply and discharge mechanism for water closet tanks. J. S. Candee. 1,984,394; Dec. 18.
 Supply circuit for thermionic tubes. A. H. Cooper. 1,968,875; Aug. 7.
 Supply control for greasing racks. R. C. Van Noy. 1,952,022; Mar. 20.
 Supply-holder. E. R. Swanson. 1,955,691; Apr. 17.

- Supply indicator for refrigerators, Fuel. M. Resek. 1,948,447; Feb. 20.
- Supply system for vacuum tubes. M. I. Pupin. 1,983,774; Dec. 11.
- Supplying mechanism. E. A. Holmgren. 1,962,242; June 12.
- Support: See—
- Adjustable foot support. Knockdown canopy support.
- Anti-vibration support. Label support.
- Arbor support. Ladder support.
- Arch and ankle support. Lamp shade support.
- Arch support. Lavatory support.
- Article support. Lighting fixture support.
- Bar support. Locking support.
- Bath tub support. Locomotive grate support.
- Bearing support. Mail box support.
- Bed spring support. Mine roof support.
- Bobbins support. Mirror support.
- Body support. Motor support.
- Boiler superheater support. Outlet box support.
- Brake gear support. Pan support.
- Brake shaft support. Partition support.
- Bus support. Picture frame support.
- Cable support. Pipe support.
- Camera support. Plant support.
- Casing support. Portable boom support.
- Clothesline support. Radiator support.
- Coil support. Rail support.
- Coned yarn support. Resilient motor support.
- Container support. Seat support.
- Curtain crane support. Shelf support.
- Curtain support. Shoe support.
- Cushion foot and arch support. Shutter shaft support.
- Dance floor support. Sprinkler support.
- Display support. Table leg support.
- Door support. Tank support.
- Filament support. Telephone support.
- Fixture support. Telescoping support.
- Foot support. Test tube support.
- Foot arch support. Track support.
- Furniture drawer support. Trailer support.
- Garment drying support. Trousers support.
- Garment support. Trunnion adjustable support.
- Gas burner support. Umbrella support.
- Golf bag support. Web roll support.
- Guitar support. Windshield support.
- Hat support. Wire support.
- Heddlie bar support.
- Support. W. F. Barnes. 1,944,833; Jan. 23.
- Support. G. A. Gafford. 1,952,494; Mar. 27.
- Support. J. W. Houdek. 1,968,040; July 31.
- Support and condenser, Composite. L. H. Lynn. 1,960,058; May 22.
- Support and housing for photo-electric cells. L. S. Frapier and E. Boecking. 1,946,681; Feb. 13.
- Support construction for radiators and the like. C. W. Kelly. 1,951,331; Mar. 13.
- Support elevating device for machine tools. J. M. Rusnak. 1,966,021; July 10.
- Support for air-method cleaners. D. B. Replogle and H. E. Queen. 1,970,576; Aug. 21.
- Support for air-method cleaners. D. B. Replogle and H. E. Queen. 1,983,567; Dec. 11.
- Support for articles. E. W. Larsen. 1,964,585; June 26.
- Support for attachment to ladders. R. S. Moushon. 1,972,064; Aug. 28.
- Support for automatic firearms. M. Grossu. 1,953,710; Apr. 3.
- Support for automotive radios. R. C. Ellis. 1,964,564; June 26.
- Support for awnings, Front board. E. F. Bell. 1,984,329; Dec. 11.
- Support for bottle stoppers. T. A. Johnson. 1,973,957; Sept. 18.
- Support for brake beams. H. E. Anderson. 1,976,694; Oct. 9.
- Support for brake mechanism, Safety. S. A. Crone. 1,974,447; Sept. 25.
- Support for burial caskets and vaults, Display. C. J. Wegner. 1,968,273; July 31.
- Support for concrete dividers. J. M. Myer. 1,945,784; Feb. 6.
- Support for concrete reenforcements. R. M. Neely. 1,942,566; Jan. 9.
- Support for concrete reinforcing steel. E. E. Welch. 1,946,418; Feb. 6.
- Support for concrete structures, Furring. L. F. Sylvester. 1,953,138; Apr. 3.
- Support for cradle type telephones, Memorandum. J. Dukeska and H. H. Campbell. 1,983,443; Dec. 4.
- Support for electric motors and fans. C. Ringwald. 1,965,668; July 10.
- Support for electrical resistance elements. F. W. Scharf. 1,951,846; Mar. 20.
- Support for embroidery rings and the like. E. Strack. 1,972,802; Sept. 4.
- Support for end brake beams, Safety. H. W. Stertzbach. 1,952,390; Mar. 27.
- Support for exercising balls. W. P. Maslo. 1,945,440; Jan. 30.
- Support for flexible hose. R. Ruemelin. 1,942,453; Jan. 9.
- Support for guard rails. J. O. Young. 1,982,092; Nov. 27.
- Support for hair curlers. N. Fulton. 1,978,256; Oct. 23.
- Support for high-frequency apparatus. H. Muth. 1,944,262; Jan. 23.
- Support for horizontal cylindrical tanks. J. F. Mummert. 1,970,571; Aug. 21.
- Support for manicurists, Finger. K. H. Bergstrom. 1,982,589; Nov. 27.
- Support for milling machines, Arbor. J. B. Armitage. 1,969,392; Aug. 7.
- Support for motion-picture projector drive shafts. A. Dina. 1,957,201; May 1.
- Support for motor cars, Resilient. H. Jyrch. 1,948,922; Feb. 27.
- Support for motor trucks and the like, Rear view mirror. H. G. Hanson. 1,944,081; Jan. 16.
- Support for motor vehicles, Water jug. R. C. Zukerman. 1,983,060; Dec. 4.
- Support for oxygen tents and other articles. J. A. Heidbrink. 1,957,210; May 1.
- Support for phonograph turntables. W. A. Schmittgen. 1,979,350; Nov. 6.
- Support for seats, Resilient. A. and C. F. Weickman. 1,945,458; Jan. 30.
- Support for shoe sewing machines, Work. W. J. Kelly. 1,949,965; Mar. 6.
- Support for thread guides. A. W. and H. B. Atwood. 1,964,377; June 26.
- Support for trousers. G. W. Barnes. 1,974,559; Sept. 25.
- Support for wall fixtures, Cementable. H. De Waide. 1,971,396; Aug. 28.
- Supporter, Arch. W. J. Riley. 1,974,161; Sept. 18.
- Supporter for garden hose nozzles. A. R. De Pass. 1,945,423; Jan. 30.
- Supporter, Garment. C. E. Byrne. 1,966,709; July 17.
- Supporter, Hose. W. E. Hatheway. 1,951,609; Mar. 20.
- Supporter, Hose. M. E. Wright. 1,954,553; Apr. 10.
- Supporting and dispensing device. A. A. Simon. 1,973,543; Sept. 11.
- Supporting and securing device, Combined. A. Kessler. 1,955,073; Apr. 17.
- Supporting and stabilizing mechanism. Z. Littman. 1,955,507; Apr. 17.
- Supporting bracket. L. C. Hinckley. 1,970,962; Aug. 21.
- Supporting clamp. L. H. Des Isles. 1,977,431; Oct. 16.
- Supporting device for stranded transmission line conductors. M. O. Bolser. 1,973,536; Sept. 11.
- Supporting device on skates, roller skates, and the like. R. Deyhle. 1,944,409; Jan. 23.
- Supporting device, Portable. H. W. Bentley. 1,953,527; Apr. 3.
- Supporting fabrication for tents. J. W. Dixon and P. A. Filer. 1,969,260; Aug. 7.
- Supporting frame, Glider. M. B. Smith. Des. 91,472; Feb. 6.
- Supporting hanger. H. E. Miller. 1,967,124; July 17.
- Supporting horse. S. Gerrard. 1,953,012; Mar. 27.
- Supporting means, Adjustable. T. A. Kay. 1,955,191; Apr. 17.
- Supporting means for bobbins. W. E. Bennett. 1,959,996; May 22.
- Supporting means for brake drums, Safety. J. A. Shafer. 1,975,869; Oct. 9.
- Supporting means for car doors. K. J. Tobin. 1,982,270; Nov. 27.
- Supporting means for conveyer belts. J. Zollinger. 1,980,777; Nov. 13.
- Supporting means for electric conductors and cables. H. M. Bollinger. 1,943,912; Jan. 16.
- Supporting means for glass surfacing apparatus. J. P. Crowley. 1,982,641; Dec. 4.
- Supporting means for paper rolls. P. D. Parsons. 1,960,452; May 29.
- Supporting means for refrigerating apparatus. H. A. Greenwald. 1,951,655; Mar. 20.
- Supporting member. O. Mohr. 1,967,039; July 17.
- Supporting member for enameling racks. T. H. Nelson. 1,963,242; June 19.
- Supporting rack. H. F. Schmidt. 1,954,846; Apr. 17.
- Supporting structure for a roll projection screen. O. Wittel. 1,981,444; Nov. 20.
- Supporting structure for ceiling construction. H. E. Marks and W. D. Jarvis. 1,956,957; May 1.
- Supporting structure for punch presses and the like. B. J. Lindgren. 1,945,282; Jan. 30.
- Supporting structure for use in the production of fibers and the like. H. E. Marks and W. D. Jarvis. 1,941,566; Jan. 2.
- Supporting vertical guides and other members. F. M. Chandler and H. C. Werner. 1,957,630; May 8.
- Supports for electric devices. L. J. Buttolph. 1,951,128; Mar. 13.
- Supports for oil thieves and other sampling devices. C. F. Hamner. 1,956,324; Apr. 24.
- Surface condenser. K. Baumann. 1,941,650; Jan. 2.
- Surface decorating mechanism. A. Pearson and J. D. Kreis. 1,966,311; July 10.
- Surface decorating method and apparatus. L. V. Casto and G. von Webern. 1,946,483; Feb. 13.
- Surface grinding machine, Hydraulically driven. J. R. Whittles. 1,978,181; Oct. 23.
- Surface heater. F. C. Blake. 1,956,664; May 1.
- Surface ornamentation and apparatus for same, Method of. G. Prifold. 1,944,528; Jan. 23.
- Surface plate. E. H. Aldeborgh. 1,946,432; Feb. 6.
- Surface skimmer. S. J. Blake. 1,951,081; Mar. 13.
- Surface switch. M. E. Henning. 1,942,697; Jan. 9.
- Surface tension dialyzer element and constructing same. L. Cammen. 1,965,172; July 8.

- Surface treating device. F. J. R. Karlström. 1,983,640; Dec. 11.
- Surface treating machine. W. Oelmann. 1,961,384; June 5.
- Surface treatment for zinc base alloys. W. C. Magruder, Jr. 1,967,715; July 24.
- Surface treatment of magnesium and magnesium base alloys. E. C. Burdick and W. H. Gross. 1,947,122; Feb. 13.
- Surface treatment of metal. H. H. Holloway. 1,943,764; Jan. 16.
- Surfaces, Apparatus for grooving. L. R. Williams. 1,961,540; June 5.
- Surfaces by rubber, Attaching. A. L. Murray. 1,961,908; June 5.
- Surfaces, Electroplating interior. E. M. Crouch. 1,953,955; Apr. 10.
- Surfaces, Imitating. L. V. Casto. 1,947,459; Feb. 20.
- Surfaces of fibrous materials, Treating. C. M. Boyce. 1,978,406; Oct. 30.
- Surfaces of tubes, Process of and apparatus for grinding internal. C. H. Randolph. 1,972,316; Sept. 4.
- Surfaces on containers, Providing nonsolderable. J. M. Young. 1,954,840; Apr. 17.
- Surfaces which are exposed to a high temperature, Lubrication of. M. J. Heitmann. 1,984,214; Dec. 11.
- Surfacing apparatus. J. P. Crowley and G. R. Ford, Jr. 1,962,766-7; June 12.
- Surfacing apparatus. P. J. M. Escote. 1,947,930; Feb. 20.
- Surfacing device. F. Riebel, Jr., D. M. Dow, and L. M. Henson. 1,970,191; Aug. 14.
- Surfacing head. A. Reineman. 1,984,990; Dec. 18.
- Surfacing machine. R. D. Anderson. 1,973,597; Sept. 11.
- Surfacing machine. J. P. Crowley and G. R. Ford, Jr. 1,962,765; June 12.
- Surfacing machine. E. W. Curtis and A. V. Breed. 1,974,806; Sept. 25.
- Surfacing machine. J. C. Gipe, J. P. Crowley, and J. L. Drake. 1,961,441; June 5.
- Surfacing tool. L. L. Handy. 1,980,403; Nov. 13.
- Surfacing unit. A. C. Fischer. 1,970,037; Aug. 14.
- Surge absorbing apparatus. A. Nyman. 1,966,077; July 10.
- Surge current instrument. F. B. Menger. 1,975,065; Sept. 25.
- Surge currents, Method of and instrument for measuring. C. M. Foust. 1,942,384; Jan. 2.
- Surge currents, Method of and instrument for measuring. C. M. Foust and H. P. Kuehni. 1,942,052; Jan. 2.
- Surge currents, Method of and instrument for measuring. R. G. Lorraine. 1,942,065; Jan. 2.
- Surgical appliance. W. K. Kearsley. 1,967,888; July 24.
- Surgical clamp. F. W. Davis. 1,983,969; Dec. 11.
- Surgical foot covering. L. M. King and W. E. Tournat. 1,980,486; Nov. 13.
- Surgical instrument. J. B. Bacon. 1,971,845; Aug. 28.
- Surgical instrument. F. M. Duerme. 1,959,127; May 15.
- Surgical instrument. G. J. Kadavy. 1,947,649; Feb. 20.
- Surgical instrument. E. H. Kruse. 1,977,282; Oct. 16.
- Surgical instrument. R. B. Kurtz. 1,973,569; Sept. 11.
- Surgical instrument. W. J. McFadden. 1,943,543; Jan. 16.
- Surgical instrument. W. E. Morse. 1,972,391; Sept. 4.
- Surgical instrument. J. W. O'Banion. 1,942,766; Jan. 9.
- Surgical instrument. H. P. Rush. 1,985,108; Dec. 18.
- Surgical instrument. G. O. Russell. 1,945,380; Jan. 30.
- Surgical resection. F. C. Wappler. 1,952,617; Mar. 27.
- Surgical stocking heel construction. E. C. Hinchliff. 1,968,832; Aug. 7.
- Surgical suture. G. M. Randall. 1,949,111; Feb. 27.
- Surveying instrument. E. W. Arms. 1,952,525; Mar. 27.
- Surveying instrument. W. L. Egy and C. E. Smart. 1,958,512; May 15.
- Surveying instrument. W. F. Kiefer. 1,969,697; Aug. 7.
- Surveying instrument. M. H. Lewis. 1,945,323; Jan. 30.
- Suspended particles, Method of and apparatus for agglomerating. M. E. Garrison and W. F. Van Loenen. 1,980,722; Nov. 13.
- Suspender, Sock. H. Löffler. 1,941,699; Jan. 2.
- Suspenders. C. G. Arnold. 1,954,792; Apr. 17.
- Suspenders. H. M. Cumbler. 1,967,925; July 24.
- Suspenders. J. T. Duffy, Jr. 1,946,901; Feb. 13.
- Suspenders and the like. J. R. La Vigne. 1,970,805; Aug. 21.
- Suspenders or the like. P. E. Fenton. 1,967,814; July 24.
- Suspension. A. Dubonnet. 1,941,879; Jan. 2.
- Suspension and drive for vehicles. H. A. Knox and C. Hiller, Jr. 1,975,794; Oct. 9.
- Suspension clamp. R. L. McCov. 1,966,258; July 10.
- Suspension for track-laying vehicles. H. A. Knox and T. H. Nixon. 1,947,475; Feb. 20.
- Suspension for vehicles. L. Anderson. 1,958,905; May 15.
- Suspension for vehicles. H. A. Knox and T. H. Nixon. 1,964,735; July 3.
- Suspension frame. G. Lange. 1,978,752; Oct. 30.
- Suspension insulator. W. Regerbis and O. P. Ziesche. 1,960,190; May 22.
- Suspension joint. E. S. Stoddard. 1,980,448; Nov. 13.
- Suspension means for lifting jacks. R. Nelson. 1,975,969; Oct. 9.
- Suspension means, Pneumatic. A. Bizzarri. 1,974,171; Sept. 18.
- Suspension of railway cars and other vehicles. J. Bugatti. 1,959,704; May 22.
- Suspension of the seats of vehicles. G. A. Tissler. 1,971,085; Aug. 21.
- Suspension, Stabilization of. A. J. Johnson. 1,979,469; Nov. 6.
- Suspension system for motor road vehicles. C. D. Burney. 1,979,192; Oct. 30.
- Suspension unit for riser cables. A. B. Smedley and E. F. W. Salisbury. 1,965,263; July 3.
- Suspensions and producing same. J. A. Finley. 1,955,849; Apr. 24.
- Suspensory, Combination. T. La Maida. 1,985,507; Dec. 25.
- Suture package. B. F. Hirsch. 1,962,900; June 12.
- Swab. E. V. Crowell. 1,983,523; Dec. 11.
- Swab. S. M. Reber. 1,962,875; June 12.
- Swage. W. Schmid. 1,984,234; Dec. 11.
- Swage for oil wells. L. M. Stanfield and H. Webb. 1,970,061; Aug. 14.
- Swaged pusher and making the same. C. W. Simpson. 1,957,235; May 1.
- Swaging machine. M. H. Flynn. 1,963,942; June 19.
- Swaging mechanism for paper bottle machines. A. Bodor. 1,962,171; June 12.
- Swash plate mechanism for engines. C. B. Redrup. 1,948,827; Feb. 27.
- Swatter blade. Fly. M. W. Gatch. Des. 92,341; May 29.
- Swatter, Fly. J. L. Bennett. Des. 92,573; June 26.
- Swatter, Fly. J. L. Bennett. Des. 93,909; Nov. 27.
- Swatter, Fly. H. W. Buhler. 1,966,198; July 10.
- Swatter, Fly. W. W. Lillard. 1,978,950; Oct. 30.
- Swatter, Fly. S. G. Monroe and F. Shepherd. 1,966,954; July 17.
- Swatter, Fly. Y. N. Sarantos. 1,984,436; Dec. 18.
- Swatter, Fly. A. F. Shafter. Des. 93,185; Aug. 28.
- Swatter, Fly. O. J. Urbanek. 1,967,384; July 24.
- Swatter, Insect. A. W. Drake. Des. 91,616; Feb. 27.
- Sweatband. S. Lazarus. 1,958,345; May 8.
- Sweat band hanging machine. J. L. O'Brien. 1,957,723; May 8.
- Sweatband for hats. W. F. Jones and P. R. Hawley. 1,955,425; Apr. 17.
- Sweater, Knitted. H. Goldman. Des. 92,464; June 12.
- Sweeper. C. J. Christesen. 1,972,870; Sept. 11.
- Sweeper, Carpet. O. G. Burch. Des. 94,115; Dec. 25.
- Sweeper, Carpet. N. W. Cummins. Des. 91,705; Mar. 13.
- Sweeper, Carpet. F. J. Mess, A. E. Eggleston, and J. D. Centko. 1,952,769; Mar. 27.
- Sweeper, Electric. W. Leathers. 1,968,530; July 31.
- Sweeper, Floor aligning. W. Leathers. 1,946,585; Feb. 13.
- Sweeper, Suction carpet. J. B. Kirby. 1,952,014; Mar. 20.
- Sweetening process. G. L. Rowsey. 1,954,103; Apr. 10.
- Swift. M. W. Becker. 1,943,512; Jan. 16.
- Swift, Winding. I. R. Rowe. 1,966,685; July 17.
- Swimming bath. W. Taylor. 1,959,555; May 22.
- Swimming device. E. J. Babbitt. 1,971,844; Aug. 28.
- Swimming instruction, Mechanical crawl stroke. C. W. Kabisius. 1,966,448; July 17.
- Swimming suit and making same. P. Bergh. 1,969,349; Aug. 7.
- Swing. W. R. McGowen. 1,944,445-6; Jan. 23.
- Swing. W. R. McGowen. 1,959,032; May 15.
- Swing. H. S. Rice. 1,953,774; Apr. 3.
- Swing. C. Vallone. 1,965,785; July 10.
- Swing and exercising device. W. C. Jones. 1,975,463; Oct. 2.
- Swing, Combination. P. R. Galatowitsch. 1,956,502; Apr. 24.
- Swing construction. J. Goff. 1,960,671; May 29.
- Swing, Rolling. C. G. Morton. 1,958,772; May 1.
- Swing seat. W. B. Evans, F. C. Garratt, Jr., and E. F. Hoppes. 1,975,262; Oct. 2.
- Swing, Spiral. C. K. Harris. 1,985,497; Dec. 25.
- Swing spout measure. G. H. Neil. 1,959,961; May 22.
- Swinging chair. R. B. Smith. 1,957,004; May 1.
- Swinging gate valve. H. W. Webb. 1,968,666; July 31.
- Swinging holder. H. Reichardt. 1,948,131; Feb. 20.
- Switch: See—
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| Accelerator switch. | Electrical switch. |
| Air-break switch. | Electromagnetic switch. |
| Air switch. | Electromagnetically operated switch. |
| Alarm system switch. | Enclosed switch. |
| Antenna and power supply switch. | Engine signal switch. |
| Automatic alarm switch. | Expansion switch. |
| Automatic electric switch. | Feed control switch. |
| Automatic installation switch. | Flasher switch. |
| Automobile signal switch. | Float operated switch. |
| Ball contact switch. | Flow switch. |
| Baseboard switch. | Fluid operated switch. |
| Burglar alarm switch. | Fuse disconnecting switch. |
| Centrifugal switch. | Fuse switch. |
| Coil switch. | Gas blast switch. |
| Coin controlled switch. | High tension switch. |
| Contact switch. | High voltage switch. |
| Control switch. | Ignition switch. |
| Cross bar switch. | Indicating switch. |
| Cut-out switch. | Instrument test switch. |
| Defroster switch. | Insulator high tension switch. |
| Double throw switch. | Key controlled switch. |
| Electric range time switch. | Light switch. |
| Electric snap switch. | Lighting switch. |
| Electric switch. | Lock-in switch. |
| Electric tumbler switch. | Lock switch. |

Switch: See—

- Locking switch.
Low coal limit switch.
Magnetic switch.
Master switch.
Measuring pump switch.
Mercury retard switch.
Mercury switch.
Mercury tube switch.
Multiple control switch.
Multiple pole switch.
Multiple switch.
Oil level switch.
Oil pressure actuated switch.
Overload switch.
Panel board switch.
Panel switch.
Pedal switch.
Permutation switch.
Pressure actuated switch.
Pressure and temperature control switch.
Pressure controlled switch.
Pressure ignition switch.
Pressure switch.
Railway switch.
Relay coupler switch.
Remote control switch.
Reversing switch.
Rheostat switch.
Rotary snap switch.
Safety switch.
Selector switch.
- Series and parallel switch.
Signal operated switch.
Signal operating switch.
Signal switch.
Snap-acting switch.
Snap switch.
Spring reset limit switch.
Sprinkler alarm switch.
Starter switch.
Starting motor switch.
Stoker control switch.
Stop light switch.
Surface switch.
Thermal switch.
Thermally actuated switch.
Thermally controlled switch.
Thermostatic control switch.
Thermostatic snap switch.
Thermostatic switch.
Time controlled switch.
Time switch.
Tire deflation indicator switch.
Transfer switch.
Treadle switch.
Trolley switch.
Vacuum switch.
Vehicle signal switch.
Warp switch.
Wind direction controlled switch.
- Switch. J. H. Benya. 1,979,441; Nov. 6.
Switch. A. D. Butler. 1,960,138; May 22.
Switch. H. Catron. 1,960,771; May 29.
Switch. C. Christensen and A. G. Steinmayer. 1,979,824; Nov. 6.
Switch. R. Ehrenfeld. 1,982,339; Nov. 27.
Switch. T. Fjellstedt, A. Alsaker, and W. O. Hampton. 1,981,996; Nov. 27.
Switch. H. C. Ford. 1,978,936; Oct. 30.
Switch. J. B. Harrington. 1,961,146; June 5.
Switch. L. C. Hart. 1,962,305; June 12.
Switch. P. B. Hove. 1,952,436; Mar. 27.
Switch. M. J. Johnson. 1,973,630; Sept. 11.
Switch. F. Mayer. 1,976,854; Oct. 16.
Switch. F. R. Meginniss. 1,948,727-8; Feb. 27.
Switch. F. R. Meginniss. 1,959,835; May 22.
Switch. B. O'Hara and W. Herring. 1,949,322; Feb. 27.
Switch. L. O. Parker. 1,956,361; Apr. 24.
Switch. R. V. Reppert. 1,952,893; Mar. 27.
Switch. C. H. Reynolds. 1,949,624; Mar. 6.
Switch. M. H. Rhodes. 1,951,490; Mar. 20.
Switch. M. H. Rhodes. 1,956,998; May 1.
Switch. M. H. Rhodes. 1,959,645; May 22.
Switch. M. H. Rhodes. 1,969,034; Aug. 7.
Switch. M. H. Rhodes and J. Fanzol. 1,943,839; Jan. 16.
Switch. H. Rose and E. M. Soreng. 1,960,223; May 22.
Switch. E. O. Schweitzer. 1,956,049; Apr. 24.
Switch. A. G. Steinmayer. 1,957,737; May 8.
Switch. D. G. Taylor. 1,957,085; May 1.
Switch. A. Vischer, Jr., and H. L. Paulding. 1,957,088; May 1.
Switch. F. Weber. 1,961,409; June 5.
Switch. C. J. Werner. 1,980,457; Nov. 13.
Switch. R. K. Winning. 1,970,828; Aug. 21.
Switch actuating mechanism. C. H. and H. K. Elliott. 1,919,392; Dec. 11.
Switch and circuit breaker. K. W. Wilckens. 1,960,402; May 29.
Switch and circuit breaker, Combined. W. S. Mayer. 1,975,901; Oct. 9.
Switch and fuse, Enclosed combined. W. G. Dexter. 1,970,553; Aug. 21.
Switch and making the same, Fluid flow. F. Moos. 1,984,419; Dec. 18.
Switch and operating mechanism therefor. R. A. Norling. 1,951,033; Mar. 13.
Switch and receptacle box, Electrical. D. Burton. 1,978,401; Oct. 30.
Switch and reset. Three position. M. E. Henning. 1,942,699; Jan. 9.
Switch and special application thereof, Electric. W. Deans. 1,966,285; July 10.
Switch and switch actuating mechanism, Electric. C. D. Ainsworth. 1,956,847; May 1.
Switch and switchboard construction, Ball bearing. H. J. L. and W. H. Frank. 1,956,439; Apr. 24.
Switch and system, Electric. A. R. Locke. 1,983,298; Dec. 4.
Switch and the like, Thermally controlled. J. D. Ross. 1,980,439; Nov. 13.
Switch apparatus, High potential. R. Crämer. 1,976,484; Oct. 9.
Switch attachment for cameras and the like. J. T. Fagan. 1,970,418; Aug. 14.
Switch block. H. J. L. Frank. 1,953,343; Apr. 3.
Switchboard construction. H. C. Graves, Jr., and J. A. C. Krips. 1,955,287; Apr. 17.
Switchboard terminal block. L. H. Rovere and E. V. Mott. 1,961,111; May 29.
Switchboard, Theater. R. J. Wensley. 1,962,335; June 12.
Switch box. C. E. Bowers. 1,963,951; June 26.
Switch box. O. H. Frank. 1,983,449; Dec. 4.
Switch box. A. B. Rypinski. 1,972,245; Sept. 4.
Switch box, Explosionproof. R. H. Olley. 1,977,010; Oct. 16.
Switch box with plug-in cable connection. E. G. K. Anderson. 1,947,634; Feb. 20.
Switch cabinet and meter and means for removing a fuse therefrom, Sealed. E. H. Rueppel. 1,956,698; May 1.
Switch construction for automotive vehicles, Signal. B. L. Bobroff. 1,984,628; Dec. 18.
Switch contact. W. A. Heinrich. 1,956,026; Apr. 24.
Switch contact arc extinguishing means. M. E. Henning. 1,973,252; Sept. 11.
Switch contact structure. G. Pailin. 1,971,830; Aug. 28.
Switch control apparatus. A. F. Spitzglass and O. T. Handwerk. 1,949,222; Feb. 27.
Switch control, Electric. H. W. Roth. 1,959,690; May 22.
Switch control system and apparatus. G. A. Heals and H. C. Graves, Jr. 1,970,140; Aug. 14.
Switch controlling apparatus, Railway. J. J. Vanhorn. 1,970,111; Aug. 14.
Switch controlling apparatus, Railway track. P. F. Willard. 1,956,605; May 1.
Switch controlling device. L. T. Jenkins. 1,951,153; Mar. 13.
Switch construction, Electric. J. G. Jackson. 1,950,556; Mar. 13.
Switch construction, Panel board. H. J. Hammerly. 1,958,916; May 15.
Switch construction, Push button. C. Miller. 1,949,806; Mar. 6.
Switch construction, Push button. C. Miller and J. C. Joost. 1,944,522; Jan. 23.
Switch device. R. J. Bush. 1,969,778; Aug. 14.
Switch device. L. O. Parker. 1,983,096; Dec. 4.
Switch device. L. O. Parker and C. Woolbert. 1,981,967; Nov. 27.
Switch device for automobile signals. J. J. O'Donnell. 1,982,397; Nov. 27.
Switch device, Temperature controlled. G. A. Stacey. 1,960,856; May 29.
Switch for a signaling device. C. W. Clark. 1,961,844; June 5.
Switch for an electrolytic water purifier, Electrical. S. G. Hooper. 1,958,789; May 15.
Switch for automobile inductors. A. T. Fick. 1,961,142; June 5.
Switch for automobiles, Signal. J. P. Hanson. 1,980,269; Nov. 13.
Switch for automotive lighting systems. W. J. Williams. 1,969,867; Aug. 14.
Switch for direction indicators. J. L. Batchelder. 1,954,690; Apr. 10.
Switch for direction signals, Electric. H. O. Brion. 1,964,192; June 26.
Switch for dirigible lights. C. Sklarek. 1,981,204; Nov. 20.
Switch for electrical circuits, Intermittent cycling. R. T. Smith. 1,980,766; Nov. 13.
Switch for electric safety signals. O. Anderson. 1,942,739; Jan. 9.
Switch for flash lights, Combined snap. C. E. Pryor. 1,977,086; Oct. 16.
Switch for shot firing cables, Safety. L. Williams. 1,954,907; Apr. 17.
Switch for signaling systems, Direction control. W. A. Knoop. 1,965,347; July 3.
Switch for stoves. B. B. Kahn. 1,972,739; Sept. 4.
Switch for toy electric locomotives, Reversing. E. D. Bois-selier. 1,961,276; June 5.
Switch for use in telephone systems. F. Döring and K. Müller. 1,954,121; Apr. 10.
Switchgear, Electric. F. Andorff and W. Speidel. 1,980,739; Nov. 13.
Switchgear, Electric. J. Christie and A. Donkin. 1,985,653; Dec. 25.
Switchgear, Electric. G. M. Reed. 1,953,822; Apr. 3.
Switch gear, Electrical. H. J. H. Huber. 1,948,350; Feb. 20.
Switch gear, Electrical. R. Paxton. 1,971,831-2; Aug. 28.
Switchgear, Electrical. G. M. Reed. 1,968,619; July 31.
Switch-handles, Illuminating. L. S. Bach. 1,985,276; Dec. 25.
Switch having raising and lowering mechanism therefor, Cell-type. F. H. Macneil. 1,944,092; Jan. 16.
Switch heater. W. M. White and M. R. Elliott. 1,964,898; July 3.
Switch heating device. E. R. Packer. 1,957,977; May 8.
Switch inclosure. H. M. Stieglitz. 1,966,743; July 17.
Switch insulator, Pedestal. D. H. Rowland. 1,983,569; Dec. 11.
Switch knob and escutcheon plate, Combined. E. C. Booth. Des. 94,015; Dec. 11.
Switch lug, Railroad. T. J. Carlan. 1,953,530; Apr. 3.
Switch mechanism. V. G. Apple. 1,945,720; Feb. 6.
Switch mechanism. P. R. Forman. 1,944,157; Jan. 23.
Switch mechanism. R. Popp. 1,974,053-4; Sept. 18.
Switch mechanism, Check controlled. V. Neumann. 1,942,443; Jan. 9.
Switch mechanism, Electric. W. W. Williams. 1,957,516-17; May 8.
Switch mechanism for electric signaling. W. A. Burton. 1,950,225; Mar. 6.
Switch mechanism for pumps. H. Van Dam. 1,983,825; Dec. 11.

- Switch mechanism, Time. R. F. Fisher. 1,966,958; July 17.
- Switch mechanism, Time. R. Pudelko. 1,943,878; Jan. 16.
- Switch mechanism with seven day dial, Time. R. F. Fisher. 1,966,959; July 17.
- Switch of the enclosed type, Electric. R. A. Millermaster. 1,945,819; Feb. 6.
- Switch of the mercury tube type, Electric. I. E. McCabe. 1,949,915; Mar. 6.
- Switch of the tumbler type, Electrical. J. A. Crabtree. 1,946,192; Feb. 6.
- Switch operating apparatus, Railway. H. L. Bone. 1,976,827; Oct. 16.
- Switch operating apparatus, Railway. H. L. Bone. 1,976,829; Oct. 16.
- Switch operating apparatus, Railway. H. L. Bone and W. C. McWhirter. 1,976,830; Oct. 16.
- Switch operating apparatus, Railway. W. C. McWhirter. 1,972,662; Sept. 4.
- Switch operating apparatus, Railway. W. C. McWhirter. 1,976,828; Oct. 16.
- Switch operating means, Compensating thermal. J. F. Frese. 1,956,346; Apr. 24.
- Switch operating mechanism. W. E. Porter. 1,970,432; Aug. 14.
- Switch operating mechanism. R. Richard. 1,966,136; July 10.
- Switch operating mechanism. C. Thumim. 1,969,532; Aug. 7.
- Switch operating mechanism for electric motors. G. H. Leland. 1,945,503; Jan. 30.
- Switch operating mechanism, Snap. H. C. Curtis. 1,973,800; Sept. 18.
- Switch or circuit breaker, Electric. W. B. Whitney, E. B. Wedmore, and A. M. Cassie. 1,955,214; Apr. 17.
- Switch or junction box. E. M. Rosenfield. 1,967,193; July 17.
- Switch or junction box, Electric. E. M. Rosenfield. 1,980,831; Nov. 13.
- Switch point detector, Railway. H. L. Bone. 1,953,461; Apr. 3.
- Switch point lock. E. W. Goodaire and G. Arnold. 1,960,377; May 29.
- Switch position indicator. I. Brandenburger. 1,948,254; Feb. 20.
- Switch stand. G. M. Cooper and S. L. Eastburn. 1,964,721; July 3.
- Switch stand. S. L. Eastburn. 1,967,875; July 24.
- Switch stand lock. C. N. Cox. 1,953,153; Apr. 3.
- Switch structure. L. M. Burgess. 1,973,369; Sept. 11.
- Switch structure. H. C. Graves, jr., and W. M. Scott, jr. 1,979,683; Nov. 6.
- Switch structure. M. E. Henning. 1,942,700; Jan. 9.
- Switch structure. M. E. Henning. 1,973,253-4; Sept. 11.
- Switch structure. W. D. Teague. Des. 92,685; July 3.
- Switch with auxiliary circuit control, Float. M. E. Henning. 1,942,693; Jan. 9.
- Switch with compensated electrodynamic forces, Disconnecting. C. Bresson. 1,958,159; May 8.
- Switch with contacts surrounded by a medium under pressure. S. Rump and H. Thommen. 1,945,916; Feb. 6.
- Switch with position indicating means, Electric. M. Guett. 1,979,196; Oct. 30.
- Switch with quenching liquid, Electric. L. Haag. 1,971,403; Aug. 28.
- Switches, Apparatus for controlling railway. C. W. Bell. 1,957,575; May 8.
- Switches, Apparatus for operating electric. W. R. Walker. 1,961,722; June 5.
- Switches, Control of electric. R. Paxton. 1,961,779; June 5.
- Switches, Making mercury. C. H. Larson. 1,967,949; July 24.
- Switches, Mechanism and circuits for selective operation of electrical. C. T. Little. 1,956,038; Apr. 24.
- Switching apparatus. A. Zenkner. 1,965,092; July 3.
- Switching apparatus, Electric. R. W. Sorensen. 1,972,663; Sept. 4.
- Switching control system, Remote. A. M. Troegner. 1,972,501; Sept. 4.
- Switching device. A. F. Erickson. 1,969,974; Aug. 14.
- Switching device, Electric. C. C. Lane. 1,948,969; Feb. 27.
- Switching device, Electromagnetic. K. Müller. 1,954,092; Apr. 10.
- Switching device, Electromagnetic. W. C. Slauson. 1,955,839; Apr. 24.
- Switching device, Electromagnetic. F. A. Zupa. 1,946,261; Feb. 6.
- Switching device for toy and other electric railroads, Automatic. E. P. Fickeissen. 1,948,571; Feb. 27.
- Switching means, Low capacity. K. Wilhelm. 1,982,717; Dec. 4.
- Switching mechanism. H. A. Douglas. 1,956,378; Apr. 24.
- Switching mechanism. D. C. Larson. 1,959,868; May 22.
- Switching mechanism. D. C. Larson. 1,966,249; July 10.
- Switching mechanism. S. B. Sanford. 1,973,393; Sept. 11.
- Switching member for electric switches. J. Sachs. 1,947,277; Feb. 13.
- Swivel. W. S. Boehm. 1,985,012; Dec. 18.
- Swivel butt coupler. F. H. Kayler. 1,961,443; June 5.
- Swivel connector, Electrical. W. H. Mayhew. 1,975,964; Oct. 9.
- Swivel cord connector. W. F. Jones. 1,957,714; May 8.
- Swivel coupling joint. L. Goodman. 1,944,124; Jan. 16.
- Swivel for gas meters. U. G. Densten. 1,956,858; May 1.
- Swivel for well drilling, Hydraulic. W. Messinger. 1,956,648; May 1.
- Swivel head for earth boring machines, Power actuated. J. W. Menhall. 1,966,637; July 17.
- Swivel, Rotary. R. L. Day. 1,946,456; Feb. 6.
- Swivel, Rotary. E. E. Greve. 1,959,823; May 22.
- Swiveling means for the headlights of vehicles. K. Tamussino. 1,974,371; Sept. 18.
- Symmetrical component system. E. Friedlander and O. Schmutz. 1,971,103; Aug. 21.
- Synchronization system. H. J. J. M. de Regnauld de Bellescize. 1,976,877; Oct. 16.
- Synchronizer. E. Pearson. 1,945,494; Jan. 30.
- Synchronizer, Automatic. F. H. Gulliksen. 1,977,384; Oct. 16.
- Synchronizer for transmission. O. Rasmussen. 1,967,065; July 17.
- Synchronizing apparatus. H. B. Cooley. 1,973,405; Sept. 11.
- Synchronizing apparatus for television receivers. F. von Okolicsanyi and G. Wikkenhauser. 1,950,831; Mar. 13.
- Synchronizing clutch. J. E. Padgett. 1,953,628; Apr. 3.
- Synchronizing device. W. P. Cousino. 1,967,190; July 17.
- Synchronizing device. G. A. Duis. 1,960,773; May 29.
- Synchronizing device for self-playing instruments. L. Lubberoff. 1,971,011; Aug. 21.
- Synchronizing mechanism. W. W. Hartman. 1,975,394; Oct. 2.
- Synchronizing mechanism for change-speed transmission. J. M. Weydell. 1,957,416; May 1.
- Synchronizing system. J. W. Horton. 1,976,850; Oct. 16.
- Synchronizing system. C. F. Jenkins. Re19,171; May 15.
- Synchronizing system. C. F. Jenkins. 1,976,784; Oct. 16.
- Synchronizing system. F. Klaiber. 1,945,355; Jan. 30.
- Synchronizing system. W. A. Knoop. Re19,067; Jan. 30.
- Synchronizing system. W. K. Sonnemann. 1,976,523; Oct. 9.
- Synchronizing system for television. R. Barthelemy. 1,983,432; Dec. 4.
- Synchronous driving device. E. De Luca. 1,949,145; Feb. 27.
- Synchronous frequency detection system. L. W. Kolozsy. 1,945,814; Feb. 6.
- Synchronous induction-motor. R. Barthelemy. 1,945,723; Feb. 6.
- Synchronous motor. O. Janzen. 1,984,929; Dec. 18.
- Synchronous motor. A. H. Neureuther. 1,957,281; May 1.
- Synchronous motor. H. M. Stoller. 1,959,449; May 22.
- Synchronous motor, Reaction type. H. D'Almaire and C. F. Thompson. 1,945,028; Jan. 30.
- Synchronous motor, Self-starting. R. C. Graseby. 1,976,880; Oct. 16.
- Synchronous motor, Self-starting. M. Knobel. 1,977,966; Oct. 23.
- Synchronous motor, Self-starting. J. M. Naul. 1,947,423; Feb. 13.
- Synchronous motor, Self-starting. W. C. Nein and T. W. Varley. 1,982,826; Dec. 4.
- Synchronous motor, Self-starting. M. C. Spencer. 1,959,391; May 22.
- Synchronous motor, Self-starting. H. E. Warren. 1,942,076; Jan. 2.
- Synchronous motor, Self-starting polyphase. C. C. Shutt. 1,953,903; May 15.
- Synthetic production of bodies from their component gases. R. S. Richardson. Re19,243; July 17.
- Syringe. W. I. Carpenter. 1,958,332; May 8.
- Syringe. A. Dolmatch. 1,959,411; May 22.
- Syringe. F. L. Dowe. 1,950,137; Mar. 6.
- Syringe. G. N. Hein. 1,971,345; Aug. 28.
- Syringe. L. Johns. 1,950,680; Mar. 13.
- Syringe. J. H. W. Richard. 1,972,428; Sept. 4.
- Syringe. O. O. R. Schwidetzky. 1,972,167; Sept. 4.
- Syringe, Automatic displacement. F. Liberson. 1,948,388; Feb. 20.
- Syringe case. H. W. Foster. 1,965,800; July 10.
- Syringe equipment. G. N. Hein. 1,961,490; June 5.
- Syringe for use by veterinaries. A. J. Williams. 1,969,331; Aug. 14.
- Syringe, Fountain. J. S. Chenoweth. 1,973,845; Sept. 18.
- Syringe, Hypodermic. R. K. Cutter. 1,948,982; Feb. 27.
- Syringe, Hypodermic. S. Kabnick. 1,943,120; Jan. 9.
- Syringe, Hypodermic. M. W. Kratz. 1,971,687; Aug. 28.
- Syringe nozzle. O. C. Kilgour. 1,969,175; Aug. 7.
- Syringe or douche nozzle, Rectal. J. B. Bacon. 1,947,150; Feb. 13.
- Syringe, Rectal. G. J. Grant. 1,969,215; Aug. 7.
- Syringe, Vaginal. W. W. De Laney. 1,971,096; Aug. 21.
- Syrup, Making edible sugar. A. L. van Scherpenberg. 1,979,781; Nov. 6.
- Syrup, Ripening of viscose. G. A. Richter. 1,984,285; Dec. 11.
- System for displaying intelligence and controlling apparatus therefor. S. Morton and H. L. Krum. 1,973,539; Sept. 11.
- System of and apparatus for visually interpreting the operation of a control mechanism. J. C. Karnes and G. J. Kessenich. 1,968,836; Aug. 7.
- Tab applying machine. V. Gideon. 1,947,041; Feb. 13.

- Tab construction for guide cards. C. W. Straubel. 1,977,096; Oct. 16.
- Tab, Pyroxylin plastic. C. F. Rand. 1,983,878; Dec. 11.
- Table: See—
- Accessory table.
 - Adjustable table.
 - Bath and service table.
 - Billiard table.
 - Bread wrapping table.
 - Card table.
 - Collapsible table.
 - Convertible table.
 - Cutting table.
 - Dining table.
 - Dishwashing dinner table.
 - Draftsman's table.
 - Drawing table.
 - Drop leaf table.
 - Electric table.
 - Extensible table.
 - Extension card table.
 - Extension leaf table.
 - Extension table.
 - Feeding and catching table.
 - Foldable table.
 - Folding card table.
 - Folding ironing table.
 - Folding leg table.
 - Folding table.
 - Fracture reducing table.
 - Hoisting table.
 - Ironing table.
 - Knockdown portable table.
 - Knock down table.
 - Laundering and kitchen table.
 - Lavage table.
 - Metal table.
 - Pedestal base operating table.
 - Plate glass surfacing table.
 - Playing table.
 - Printer's line-up table.
 - Processing table.
 - Refectory table.
 - Rolling mill table.
 - Rotatable table.
 - Serving table.
 - Shade making table.
 - Sheet inspection table.
 - Turn table.
 - Two-piece operating table.
 - X-ray table.
- Table. H. A. Arnold. 1,943,280; Jan. 16.
- Table. A. J. Benchoff. 1,961,733; June 5.
- Table. J. M. Brower. Des. 93,968; Dec. 4.
- Table. N. N. Brown. 1,951,499; Mar. 20.
- Table. G. C. McKenney. 1,975,857; Oct. 9.
- Table. C. J. Miller. 1,953,655; Apr. 3.
- Table. C. J. Miller. 1,976,083; Oct. 9.
- Table. U. Mochi. Des. 91,278; Jan. 2.
- Table. C. L. Moorman. 1,941,483; Jan. 2.
- Table. T. F. Murray. Des. 92,546; June 19.
- Table. R. Rice and H. Jensen. Des. 93,574-9; Oct. 9.
- Table. H. H. Roberts. Des. 91,738; Mar. 13.
- Table. A. L. Sinclair. Des. 92,933; July 31.
- Table. A. L. Slee. Des. 91,848; Mar. 27.
- Table. J. C. Walker. Des. 93,059; Aug. 14.
- Table. K. Winkler. 1,967,181; July 17.
- Table and bench, Picnic. G. L. Pfluke. 1,967,590; July 24.
- Table and bucky unit, X-ray tilt. A. C. Nelson. 1,957,720; May 8.
- Table and carrying case, Combined. M. H. Johnson. 1,978,310; Oct. 23.
- Table and ironing board, Combination kitchen. E. J. and M. Carey. 1,953,952; Apr. 10.
- Table and mirror for automobiles, airplanes and the like. Y. Akiyoshi. 1,965,788; July 10.
- Table and screen, Combined. L. Lehner. 1,981,052; Nov. 20.
- Table and seat, Folding. J. Vaghi. 1,952,737; Mar. 27.
- Table and seat unit. Knockdown. I. Macdonald. 1,951,619; Mar. 20.
- Table and shelf protector. L. G. Ebert and M. K. Grable. 1,982,728; Dec. 4.
- Table and the like, Folding. E. Vaughan. 1,958,980; May 15.
- Table and tray, Convertible. W. E. Lansing. 1,953,562; Apr. 3.
- Table attachment, Folding. J. Latham and W. J. Bower, Jr. 1,959,539; May 22.
- Table chair. L. D. Levy. 1,948,387; Feb. 20.
- Tablecloth. W. Wolf. Des. 93,080; Aug. 14.
- Tablecloth, Lace. H. D. Hooven, Jr. Des. 91,427; Jan. 30.
- Tablecloth, Lace. H. D. Hooven, Jr. Des. 93,017-18; Aug. 14.
- Tablecloth, Lace. W. C. Miller. Des. 91,436; Jan. 30.
- Tablecloth, Lace. F. P. Otto. Des. 91,438; Jan. 30.
- Tablecloth, Lace. F. P. Otto. Des. 92,034-6; Aug. 14.
- Tablecloth, Lace. J. Waterfield. Des. 91,446; Jan. 30.
- Tablecloth, Lace. J. Waterfield. Des. 93,060; Aug. 14.
- Tablecloth, Lace. W. Wolf. Des. 91,448; Jan. 30.
- Table construction. W. S. Bellows. 1,983,065; Dec. 4.
- Table coupling apparatus. J. L. Drake. 1,982,647; Dec. 4.
- Table drive for shapers, Circular. W. F. Zimmermann. 1,960,567; May 29.
- Table for casting machines, Plate depositing. H. Fritz. 1,942,243; Jan. 2.
- Table for constructing screens and the like. C. R. Parrish. 1,947,794; Feb. 20.
- Table for glass sheets, Receiving. W. Owen. 1,983,769; Dec. 11.
- Table for hospital beds, Adjustable. F. X. Gingras. 1,957,165; May 1.
- Table for manufacturing cementitious tile. A. H. Sexton. 1,955,611; Apr. 17.
- Table for power hand saws, Portable. J. F. McKay. 1,960,590; May 29.
- Table for sheet feeding mechanism, Feed. C. F. Root. 1,969,946; Aug. 14.
- Table for sheet mills, Tilting. C. L. Taylor. 1,952,392; Mar. 27.
- Table for slicing machines, Substance supporting. J. Folk. 1,945,143; Jan. 30.
- Table for surgical and like uses. E. G. Greville. 1,963,897; June 19.
- Table frame. W. C. Uline. 1,953,377; Apr. 3.
- Table lamp. P. Stein. 1,963,477; June 19.
- Table leaf adjustment, Automatic extension. B. F. Lillard. 1,965,245; July 3.
- Table leg support. W. M. Boenning. 1,950,966; Mar. 13.
- Table mechanism, Cutting. F. B. Carland and W. H. MacGregor. 1,976,834; Oct. 16.
- Table of the traveling conveyer type, Café. H. A. Hackett. 1,949,468; Mar. 6.
- Table or similar article, Auxiliary game. M. W. Karpe. Des. 93,275; Sept. 11.
- Table or similar article, Toilet. H. H. Koster. Des. 91,272; Jan. 2.
- Table top. P. M. Friedlander. 1,959,950; May 22.
- Table top. U. Mochi. Des. 92,190-1; May 8.
- Table top. J. H. Quinlan. 1,952,775; Mar. 27.
- Table top construction. J. W. Beiger. 1,960,769; May 29.
- Table top construction. J. W. Beiger. 1,979,309; Nov. 6.
- Table top construction. W. E. Gunn. 1,951,608; Jan. 20.
- Table top construction. H. O. Klee. 1,954,449; Apr. 10.
- Table top equalizer, Extension. F. B. Walter. 1,964,490; June 26.
- Table top for a sewing machine of the disappearing type, Producing a. G. Lind. 1,950,087; Mar. 6.
- Table top or other panel. H. A. Fisher. 1,967,666; July 24.
- Table top structure. J. W. Beiger. 1,945,130; Jan. 30.
- Table top structure. J. W. Beiger. 1,955,219; Apr. 17.
- Table top structure. J. W. Beiger. 1,977,034; Oct. 16.
- Table with adjustable rack. W. C. Poetsch. 1,976,034; Oct. 9.
- Tables, Attachment for. S. Silverman. 1,962,575; June 12.
- Tables of matrix-making machines, Protecting reciprocating. E. J. Mohan. 1,971,116; Aug. 21.
- Tablet on a turntable, Device for centering a. C. M. Tiche-nor. 1,946,599; Feb. 13.
- Tablet packaging machine. A. A. Totman. 1,950,909; Mar. 13.
- Tabulating machine. J. W. Bryce. 1,950,475; Mar. 13.
- Tabulating machine. J. W. Bryce. 1,967,741-2; July 24.
- Tabulating machine. J. W. Bryce. 1,978,931; Oct. 30.
- Tabulating machine. F. M. Carroll and J. H. Bakelaar. 1,972,977; Sept. 11.
- Tabulating machine. F. M. Carroll and J. H. Bakelaar. 1,978,893; Oct. 30.
- Tabulating machine. H. H. Keen. 1,954,053; Apr. 10.
- Tabulating machine. U. Kölm. 1,950,496; Mar. 13.
- Tabulating machine. C. D. Lake and G. F. Daly. 1,976,617; Oct. 9.
- Tabulating machine. C. D. Lake, G. F. Daly, and F. E. Hamilton. 1,965,979; July 10.
- Tabulating machine. J. R. Peirce. 1,944,667; Jan. 23.
- Tabulating machine. H. L. Read. 1,982,020; Nov. 27.
- Tabulating machine. A. W. Wohlrab. 1,957,189; May 1.
- Tabulating machine. W. Worden. 1,981,978; Nov. 27.
- Tabulating machines, Device for. R. Lorient. 1,978,952; Oct. 30.
- Tabulating mechanism for typewriting machines. F. H. Trego. 1,964,748; July 3.
- Tabulator, Debit and credit. H. A. Weinlich. 1,944,677; Jan. 23.
- Tachometer. V. E. Showalter and C. H. Guptail. 1,978,605; Oct. 30.
- Tack, Gripping. B. C. Place. 1,970,335; Aug. 14.
- Tack, Thumb. J. Reuter and J. Rothenbucher. 1,976,747; Oct. 16.
- Tacking machine. F. R. Zimmerman and V. B. Killelea. 1,944,388; Jan. 23.
- Tackle for elevator cars, Self-equalizing suspension. P. La Neve. 1,963,706; June 19.
- Tacky material, Apparatus for treating. W. C. MacFarlane. 1,952,556; Mar. 27.
- Tag. J. R. La Vigne. 1,960,946; May 29.
- Tag. G. B. Ludy. 1,984,589; Dec. 18.
- Tag, Address. P. Wright. 1,944,387; Jan. 23.
- Tag and fastener making machine. F. Magidson. 1,967,059; July 17.
- Tag and tag fastener. S. Weiss. 1,982,940; Dec. 4.
- Tag fastener. S. Weiss. 1,961,806; June 5.
- Tag-fastener. S. Weiss. 1,964,395; June 26.
- Tag feeding and cutting mechanism, Combination. L. Hirschhorn and H. Irmscher. 1,955,808; Apr. 24.
- Tag for cakes of soap. E. Reeves. 1,983,002; Dec. 4.
- Tag for poultry and food products generally, Grading. J. O. Ker and W. Ashton. 1,984,880; Dec. 18.
- Tag forming, embossing and affixing machine. C. G. Mortimer. 1,969,898; Aug. 14.
- Tag forming machine. H. Irmscher. 1,951,417; Mar. 20.
- Tag, Identification. J. Haas. 1,983,607; Dec. 11.
- Tag, Laundry. A. F. Hanney. 1,964,817; July 3.
- Tag, License. T. A. Kirton. 1,970,461; Aug. 14.
- Tag, Safety price. J. W. Hutt. 1,950,053; Mar. 6.
- Tag stringing machine. A. R. Scholin. 1,973,154; Sept. 11.
- Tag structure. W. and F. L. Borchert. 1,980,745; Nov. 13.
- Tagging machine. H. Irmscher. 1,956,901; May 1.
- Tagging machine. A. Raiche. 1,970,769; Aug. 21.
- Tail gate elevator. L. S. Troell. 1,977,655; Oct. 23.
- Tail light and reflector signal, Combined. J. L. Koubek. 1,954,010; Apr. 10.
- Tail light, stop, and direction signal for automobiles, Combined. L. H. Tucker. 1,976,047; Oct. 9.
- Tailstock for lathes. W. G. Hoelscher. 1,966,409; July 10.

- Take in and pay out reel. J. Holmes, jr. 1,950,492; Mar. 13.
- Take-off device for aeroplanes. W. H. Wood. 1,973,835; Sept. 18.
- Take-off for grid trimming presses. A. R. Willard. 1,969,389; Aug. 7.
- Take-off mechanism for metal wool making machines. L. Peterson. 1,960,793; May 29.
- Take-off mechanism for tube machines. P. Witte. 1,972,121; Sept. 4.
- Take-off roll for glass tubing and cane. L. N. Pond. 1,951,993; Mar. 20.
- Take-out. K. E. Peiler. 1,975,051; Sept. 25.
- Take-up device for flexible conductors. A. McKesson. 1,943,134; Jan. 9.
- Take-up device for stock quotation projecting machines. A. D. Eitzen. 1,974,153; Sept. 18.
- Take-up device for stranded cables. P. Bischof. 1,943,809; Jan. 16.
- Take-up device, Slack motion. W. N. F. Allard and J. Hoyem. 1,978,852; Oct. 30.
- Take-up for antifriction bearings, Automatic. L. Holland-Letz. 1,953,354; Apr. 3.
- Take-up for brake cables. H. Suydam. 1,957,367; May 1.
- Take-up for rocker arms, Automatic. H. H. Wells and E. E. Brown. 1,967,918; July 24.
- Talcing apparatus. A. W. Keen, H. T. Battin, and P. C. Dutton. 1,957,270; May 1.
- Talking machine. H. L. T. Buckle. 1,968,927; Aug. 7.
- Talking machine. H. Fauchet. 1,962,813; June 12.
- Talking machine. H. A. Thompson and J. I. George. 1,967,599; July 24.
- Talking machine or phonograph mechanism. S. T. Williams and A. Welland. 1,954,162; Apr. 10.
- Talking movie combination, Home. A. N. Goldsmith. 1,971,446; Aug. 28.
- Tamper backfilling machine. A. J. Penote. 1,947,356; Feb. 13.
- Tamper for cigarette machine feeds. G. W. Gwinn. 1,959,916; May 22.
- Tamping apparatus. W. Gilmore. 1,946,019; Feb. 6.
- Tamping device for railway sleepers. H. Christiansen. 1,959,458; May 22.
- Tamping tool. H. S. Brown. 1,945,132-3; Jan. 30.
- Tank: See—
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| Concealed flush tank. | Glass drawing tank. |
| Crystallizing and curing tank. | Reinforced tank. |
| Dough tank. | Shallow melting tank. |
| Elevated tank. | Solution tank. |
| Fabricated tank. | Storage tank. |
| Flushing tank. | Transformer tank. |
| Glass tank. | Variable water tank. |
- Tank. W. L. Clark. Des. 91,986; Apr. 17.
- Tank. F. L. Goldsby. 1,971,342; Aug. 28.
- Tank. T. Holthe. 1,958,142; May 8.
- Tank. G. T. Horton. 1,946,493; Feb. 13.
- Tank. F. E. Owen. 1,981,568; Nov. 20.
- Tank. W. J. Wachowitz. 1,985,702; Dec. 25.
- Tank. R. S. Wortley. 1,981,018; Nov. 20.
- Tank accessory, Oil. A. E. Davenport. 1,951,303; Mar. 13.
- Tank and closet bowl combination, Flush. G. P. Gavin and F. G. Brotz. 1,970,799; Aug. 21.
- Tank and hopper ensemble, Flush. B. M. McManama. 1,963,709; June 19.
- Tank and liquid level indicator therefor. F. E. White and A. Ruttiman. Re19,285; Aug. 21.
- Tank body and cab for tank trucks, Combined. A. Davis, jr. Des. 92,646; July 3.
- Tank bulb, Float. N. Becker. 1,946,266-7; Feb. 6.
- Tank cap, Gas. W. T. Caldwell. 1,977,935; Oct. 23.
- Tank cap lock. J. A. Reasoner. 1,958,019; May 8.
- Tank construction. E. E. Dillman. 1,965,736; July 10.
- Tank construction. E. H. Ewertz. 1,950,234; Mar. 6.
- Tank construction. G. T. Horton. 1,946,494; Feb. 13.
- Tank construction. J. A. Jensen. 1,952,867; Mar. 27.
- Tank construction. W. G. Koupal. 1,984,932; Dec. 18.
- Tank construction, Fuel. C. F. Arnold. 1,970,724; Aug. 21.
- Tank construction, Glass. C. S. Linder. 1,976,949; Oct. 16.
- Tank deck. W. P. Lincoln. 1,983,476; Dec. 4.
- Tank ejector, Fuel. C. E. Bazley. 1,946,185; Feb. 6.
- Tank for concrete mixers, Water. L. Gardiner. 1,966,291; July 10.
- Tank for dyeing machines. G. E. Drum and W. H. Jaxheimer. 1,976,605; Oct. 9.
- Tank gauge. R. E. and C. W. Hall. 1,947,260; Feb. 13.
- Tank gauge. C. L. Russ. 1,969,186; Aug. 7.
- Tank gauge. R. Star. 1,982,970; Dec. 4.
- Tank gauge. V. Wance. 1,968,919; Aug. 7.
- Tank gauging apparatus. A. W. Hubbel. 1,958,272; May 8.
- Tank heater. N. V. Hendricks. 1,962,657; June 12.
- Tank level indicator. E. C. Jacobson. 1,951,980; Mar. 20.
- Tank lining and method of lining tanks. A. B. Merrill. 1,947,532; Feb. 20.
- Tank safety device. D. W. Davisson and F. G. Welke. 1,951,009; Mar. 13.
- Tank structure. W. Linmann, jr. 1,958,055; May 8.
- Tank structure, Bolted. M. F. Waters. 1,972,807; Sept. 4.
- Tank support, Vehicular. V. C. Smith. 1,951,741; Mar. 20.
- Tank truck filling plug. G. H. Clay and H. W. Bailey. 1,984,175; Dec. 11.
- Tank unit and assembly thereof, Structural. G. E. Escher. 1,983,355; Dec. 4.
- Tank vehicle. F. G. Thwaites. Des. 93,190; Aug. 28.
- Tank vessel. A. Bolton and T. A. Kedward. 1,953,389; Apr. 3.
- Tank with acid-resisting metal linings, Concrete storage. C. J. Laube. 1,970,940; Aug. 21.
- Tanks, Attachment for aquarium. G. W. Bringman. 1,943,417; Jan. 16.
- Tanks, Constructing. E. B. Gates. 1,985,160; Dec. 18.
- Tanks, Constructing composite liquid. F. W. Chappell. 1,964,870; July 3.
- Tanks containing fluid, Cleaning. P. M. Erdman. 1,978,015; Oct. 23.
- Tanks, Lining. G. C. Gabler and S. Tijnstra. 1,971,308; Aug. 21.
- Tanks, Making. W. J. Simonds. 1,961,600; June 5.
- Tanks of tank vessels, Cleaning, scaling, and gas freeing bulk cargo. A. B. Butterworth. Re19,374; Nov. 20.
- Tanning agents and composition therefor, Treating vegetable. F. W. Binns. 1,968,024; July 31.
- Tanning material and process for preparing. I. C. Somerville and H. R. Raterink. 1,951,564; Mar. 20.
- Tanning materials or extracts, Vegetable. A. Turnbull and F. B. Hobson. 1,965,061; July 3.
- Tanning preparations and method of making. F. J. Wallace. 1,952,642; Mar. 27.
- Tanning preparations, Manufacture of. F. J. Wallace. 1,952,643; Mar. 27.
- Tanning processes and products produced thereby. R. E. Porter. 1,975,616; Oct. 2.
- Tanning substances, Manufacture of. R. Biedermann. 1,972,754; Sept. 4.
- Tap. F. E. Rice. 1,974,195; Sept. 18.
- Tap. R. Thomson. 1,963,103; July 31.
- Tap, Apparatus for making a. F. Judge. 1,982,736; Dec. 4.
- Tap changing system. W. C. Sealey. 1,975,176; Oct. 2.
- Tap grinding machine. E. C. Oliver. 1,974,365; Sept. 18.
- Tap, Making a. F. Judge. 1,982,738; Dec. 4.
- Tappet. W. D. Corlett. 1,983,735; Dec. 11.
- Tappet device, Self-adjusting. C. L. F. Clutterbuck. 1,962,057; June 5.
- Tappets, Making. H. J. Long. 1,973,355; Sept. 18.
- Tapping apparatus. E. Zahm. 1,941,507; Jan. 2.
- Tapping device, Hand-operated, electric controlled. B. S. T. Bishop and P. E. Dow. 1,970,218; Aug. 14.
- Tapping machine. M. J. Danielson and F. Lindgren. 1,962,894; June 12.
- Tapping machine, Automatic. H. S. Eades. 1,966,337; July 10.
- Tape actuating device. W. J. Zenner. 1,973,839; Sept. 18.
- Tape, Adhesive. E. M. Dow. 1,962,340; June 12.
- Tape and thread package, Combined. W. R. L. McBee. 1,973,381; Sept. 11.
- Tape applicator, Gummed. L. F. Koss, jr., and M. H. Kluter. 1,956,742; May 1.
- Tape applying machine. G. Hazelton. 1,971,484; Aug. 28.
- Tape, Binding. E. Grube. 1,949,274; Feb. 27.
- Tape control for projectors. R. F. Dirkes and G. I. Roberts. 1,968,818; Aug. 7.
- Tape control for projectors. R. F. Dirkes and G. I. Roberts. 1,969,297; Aug. 7.
- Tape controlling mechanism. J. W. Decker. 1,959,348; May 22.
- Tape dispenser. C. D. McCarthy. 1,972,850-1; Sept. 4.
- Tape easel for page printers. J. W. Long and T. G. Collings. 1,941,904; Jan. 2.
- Tape fastener. C. A. Horton. 1,983,373; Dec. 4.
- Tape lifter for hand tape moisteners. J. F. Porter. 1,955,090; Apr. 17.
- Tape, Making heat insulating. G. S. Fabel. 1,949,293; Feb. 27.
- Tape measure. F. Buck. 1,966,707; July 17.
- Tape measure. E. J. Witchger. 1,945,842; Feb. 6.
- Tape measure. E. J. Witchger. 1,964,280; June 26.
- Tape measures, Making concavo-convex. F. Buck and E. J. Witchger. 1,964,248; June 26.
- Tape moistener and dispenser, Gummed. S. G. Weiler. 1,952,618; Mar. 27.
- Tape moistening device. E. H. Manvell. 1,972,661; Sept. 4.
- Tape, Narrow elastic. J. V. Moore. Des. 93,567; Oct. 9.
- Tape of checks. H. T. Kingsbury. 1,983,463; Dec. 4.
- Tape pulling device. A. D. Eitzen. 1,978,421; Oct. 30.
- Tape-pulling machine. W. F. Casperson. 1,950,098; Mar. 6.
- Tape serving machine. T. H. Krueger. 1,960,945; May 29.
- Tape serving machine. T. H. Krueger. 1,962,720; June 12.
- Tape, Superfold paper. L. T. Hand. 1,985,678; Dec. 25.
- Tape, Superfolded paper. L. T. Hand. 1,985,677; Dec. 25.
- Tape take-up control mechanism. R. Hoover and F. C. Collings, jr. 1,967,177; July 17.
- Tape tensioning means for cable wrapping machines. S. F. French. 1,968,251; July 31.
- Tape, "Zipper". N. Warshaw. 1,948,406; Feb. 20.
- Taped paper board. J. Wagner. 1,945,624; Feb. 6.
- Taper, Artificial. F. J. Becker. 1,980,251; Nov. 13.
- Taper roller and race assembly. W. L. Scribner. 1,982,932; Dec. 4.
- Tapered articles, Forging. J. D. Pugh. 1,981,326; Nov. 20.

- Tapered roller bearing. C. S. Brown. 1,943,419; Jan. 16.
 Taping machine. T. C. Rowen. 1,962,529; June 12.
 Tar acids, Direct recovery of. E. H. Ellms. 1,955,742; Apr. 24.
 Tar and apparatus therefor, Distilling. S. P. Miller. 1,971,690; Aug. 28.
 Tar and recovering oils with apparatus therefor, Process of distilling. S. P. Miller. 1,942,374; Jan. 2.
 Tar and recovery of products therefrom, Distillation of. G. E. Brandon. 1,958,416; May 15.
 Tar distillation. E. H. Ellms. 1,958,849; May 15.
 Tar distillation. G. E. McCloskey. 1,979,838; Nov. 6.
 Tar distillation. G. E. McCloskey. 1,983,915; Dec. 11.
 Tar distillation. S. P. Miller. 1,958,440; May 15.
 Tar distillation. S. P. Miller. 1,976,243; Oct. 9.
 Tar distillation. S. P. Miller. 1,976,356; Oct. 9.
 Tar distillation. J. M. Weiss. 1,942,195; Jan. 2.
 Tar distillation. J. Zavertnik, jr. 1,972,468; Sept. 4.
 Tar, Distillation of. S. P. Miller. 1,958,584-5; May 15.
 Tar, Distillation of. S. P. Miller. 1,959,290; May 15.
 Tar, Distillation of coke oven. S. P. Miller and M. L. Hamlin. 1,957,468; May 8.
 Tar, Distilling. S. P. Miller. 1,942,371; Jan. 2.
 Tar, etc., Dehydration of. S. P. Miller. 1,958,583; May 15.
 Tar, etc., Distillation of. S. P. Miller. 1,944,129; Jan. 16.
 Tar for use on roads, Preparing. C. O. Condorp. 1,968,746; July 31.
 Tar, Hydrogenation of pressure. R. E. Wilson. 1,960,885; May 29.
 Tar or pitch and apparatus therefor, Distillation of. S. P. Miller. 1,947,485; Feb. 20.
 Tar or pitch, Coking of. S. P. Miller. 1,958,278; May 8.
 Tar or pitch, Distillation of. S. P. Miller. 1,942,372; Jan. 2.
 Tar or pitch to coke and apparatus therefor, Distillation of. S. P. Miller. 1,952,020; Mar. 20.
 Tar or pitch to coke, Converting. S. P. Miller. 1,958,277; May 8.
 Tar washbox apparatus. W. H. Gartley. 1,956,321; Apr. 24.
 Tars and other residues of the petroleum industry with a view to the conversion thereof into light products, Process and apparatus for the treatment of soda-treated. E. Houdry. 1,957,649; May 8.
 Tars, Filtration of petroleum. C. D. Read and R. L. Holcomb. Re19,161; May 8.
 Tars, Treating. L. Wittenberg. 1,976,908; Oct. 16.
 Target. W. F. Winning and C. Keyser. 1,949,554; Mar. 6.
 Target, Flying. A. Gerdes. 1,966,342; July 10.
 Target game board. E. E. Rost. Des. 93,676; Oct. 23.
 Target range. A. G. Varelman. 1,981,293; Nov. 20.
 Target releasing device, Tow. A. C. Foulk. 1,971,340; Aug. 28.
 Target trap. W. J. Sutcliffe. 1,971,056; Aug. 21.
 Target trap. W. J. Sutcliffe. 1,979,502; Nov. 6.
 Tariff metering system. M. Chirrol. 1,957,010; May 1.
 Tasseling machine. P. A. Koehler. 1,965,464; July 3.
 Taximeter control mechanism, Automatic. H. W. Baker. 1,958,558-9; May 15.
 Tea bag. C. Higgins. 1,976,497; Oct. 9.
 Tea-ball. L. W. Nerney. Des. 93,503; Oct. 2.
 Teakettle. W. T. Christman. Des. 91,350; Jan. 16.
 Tea kettle and cover, Combined. A. de Sakhnoffsky. Des. 92,032; Apr. 17.
 Teapot or similar article. H. Graham. Des. 93,391; Sept. 25.
 Tea server. L. Guild. Des. 94,134; Dec. 25.
 Tear-off ticket holder. E. B. Williams. 1,961,271; June 5.
 Tearing strip can. H. Hildebrandt. 1,985,290; Dec. 25.
 Teat cup. J. J. Stampen. 1,945,386; Jan. 30.
 Teat cup, Milking machine. W. A. Scott. 1,971,467; Aug. 28.
 Teeth and associated parts, Interchangeable artificial. E. H. Ehlers. 1,961,030; May 29.
 Teeth, False. H. C. Berry. 1,941,735; Jan. 2.
 Teeth on spur wheels, Grinding straight and helical. P. Uhlich. 1,964,233; June 26.
 Teeth, Production of artificial. A. Lüthy. 1,963,207; June 19.
 Telecommunication system. A. Pierrot. 1,973,504; Sept. 11.
 Telecommunication system. G. Viard. 1,984,099; Dec. 11.
 Telegraph bias, Controlling. R. B. Shanck. 1,949,584; Mar. 6.
 Telegraph circuit. A. D. Dowd. 1,959,412; May 22.
 Telegraph circuits, Balancing and testing. J. H. Hackenberg. 1,954,624; Apr. 10.
 Telegraph communication, Bias control in. W. T. Rea. 1,958,523; May 15.
 Telegraph equipment, Multiplex. H. Rassow. 1,953,658; Apr. 3.
 Telegraph exchange system. R. G. Griffith. 1,967,305; July 24.
 Telegraph exchange system. F. S. Kinkead and G. J. Knandel. 1,970,938; Aug. 21.
 Telegraph exchange system. C. C. Lane and G. A. Locke. 1,979,273; Nov. 6.
 Telegraph exchange system, Printing. C. C. Lane. 1,951,916; Mar. 20.
 Telegraph key. A. H. Emery. 1,960,236; May 29.
 Telegraph key. R. M. Heintz. 1,964,916; July 3.
 Telegraph perforator. H. V. Higgitt and F. Warburton. 1,975,042; Sept. 25.
 Telegraph printing system. R. F. Dirkes. 1,969,692; Aug. 7.
 Telegraph private branch exchange system, Automatic switching. F. J. Singer. 1,958,930; May 15.
 Telegraph receiver. M. Amann and A. Lahl. 1,967,216; July 24.
 Telegraph receiving system. W. G. Fluharty. 1,963,618; June 19.
 Telegraph recording and projecting system. E. R. Wheeler and R. F. Dirkes. 1,969,440; Aug. 7.
 Telegraph regenerative repeater. E. P. Bancroft. 1,942,588; Jan. 9.
 Telegraph repeater. J. J. Catogge. 1,944,218; Jan. 23.
 Telegraph repeating and receiving apparatus. H. H. Haglund. 1,947,954; Feb. 20.
 Telegraph repeating system. E. T. Burton. 1,979,064; Oct. 30.
 Telegraph selector mechanism, Mechanically relayed movement for. R. G. Griffith. 1,953,066; Apr. 3.
 Telegraph signaling system. W. G. Stanley. 1,953,273; Apr. 3.
 Telegraph signals, System for repeating or relaying. H. H. Haglund and R. V. Morgenstern. 1,946,907; Feb. 13.
 Telegraph stations, System for selective calling of. R. K. Gurley. 1,943,475; Jan. 16.
 Telegraph switching system. A. Weaver. 1,980,305; Nov. 13.
 Telegraph system. J. I. Bellamy. 1,960,569; May 29.
 Telegraph system. C. W. Burcky and A. H. Reiber. 1,947,694; Feb. 20.
 Telegraph system. A. D. Dowd. 1,979,026; Oct. 30.
 Telegraph system. H. H. Haglund. 1,944,888; Jan. 30.
 Telegraph system. E. W. Reeve. 1,982,022; Nov. 27.
 Telegraph system. M. H. Woodward. 1,960,425; May 29.
 Telegraph system. M. H. Woodward and A. F. Connery. 1,948,364; Feb. 20.
 Telegraph system employing link circuits. E. M. S. McWhirter and J. G. Flint. 1,952,601; Mar. 27.
 Telegraph system, High speed. P. A. Noxon. 1,966,354; July 10.
 Telegraph system, Multiplex. G. A. Locke. 1,957,502; May 8.
 Telegraph system, Printing. G. S. Vernam and G. A. Locke. 1,961,407; June 5.
 Telegraph system, Printing. E. F. Watson. 1,960,360; May 29.
 Telegraph system, Two-way. T. A. McCann. 1,944,991; Jan. 30.
 Telegraph transmitter. J. B. Kitchens. 1,985,640; Dec. 25.
 Telegraph transmitting system. R. F. Dirkes and V. R. Kimball. 1,954,621; Apr. 10.
 Telegraphic printing mechanism. A. Bischer, jr. 1,979,510; Nov. 6.
 Telegraphic repeater. W. S. Sparks. 1,969,483; Aug. 7.
 Telephonaphone. C. N. Hickman. 1,944,238; Jan. 23.
 Telegraphy, Printing. G. A. Graham. 1,960,242; May 29.
 Telegraphy, Telephonic. V. Bush. 1,947,249; Feb. 13.
 Telemetering method and apparatus. D. R. Price. 1,979,998; Nov. 6.
 Telemetering system. W. H. Pratt. 1,967,100; July 17.
 Telemetric device. E. Sommerfeld. 1,966,224; July 10.
 Telemetric receiver. K. Wilde. 1,985,130; Dec. 18.
 Telemetric system. C. S. Franklin. 1,947,255; Feb. 13.
 Telemetric system. H. L. Tanner. 1,964,227; June 26.
 Telemetric system, Vernier. H. L. Tanner. 1,964,228; June 26.
 Telemetric transmission. H. L. Tanner. 1,964,229; June 26.
 Telephone. R. W. Osborne. 1,954,547; Apr. 10.
 Telephone advertising method and apparatus. I. L. Lesavoy and S. Z. Koenigsberg. 1,958,896; May 15.
 Telephone alarm device. H. W. Resnick. 1,976,296; Oct. 9.
 Telephone and direct conversation circuits. W. L. Harris. 1,954,932; Apr. 17.
 Telephone attachment. O. M. Craig. 1,959,572; May 22.
 Telephone attachment, Dial. A. G. Bradford. 1,971,519; Aug. 28.
 Telephone booth. F. A. Kuntz. 1,979,072; Oct. 30.
 Telephone call reminder. W. F. Timmermann. 1,981,156; Nov. 20.
 Telephone call system. F. W. Kluge. 1,965,146; July 3.
 Telephone coin system. W. J. Heitsmith. 1,982,735; Dec. 4.
 Telephone dial, Illuminated. M. E. Muse. 1,955,972; Apr. 24.
 Telephone dial illuminator. W. S. Baum. 1,961,474; June 5.
 Telephone, Electrodynamic. H. Neumann. 1,962,206; June 12.
 Telephone exchange system. C. B. Fowler and J. W. Gooderham. 1,953,474; Apr. 3.
 Telephone exchange system. W. Whitney. 1,979,020; Oct. 30.
 Telephone, Hand. C. A. Anderson. 1,968,066; July 31.
 Telephone handset. H. F. Obergfell. 1,971,499; Aug. 28.
 Telephone handset. O. Weber. 1,954,108; Apr. 10.
 Telephone installation. F. Merk. 1,972,199; Sept. 4.
 Telephone instrument. H. F. Obergfell. 1,956,360; Apr. 24.
 Telephone instrument or the like. E. Worthington. Des. 92,442; June 5.
 Telephone interconnecting circuit. F. Strecker. 1,944,283; Jan. 23.

- Telephone light. J. A. Maxwell. 1,971,227; Aug. 21.
 Telephone lock. S. Segal. 1,984,089; Dec. 11.
 Telephone message receiver and recorder, Automatic. M. Keiser. 1,973,081; Sept. 11.
 Telephone pay station. G. A. and W. W. Long. 1,984,976; Dec. 18.
 Telephone pay station apparatus. B. O. Templeton and P. E. Mills. 1,951,887; Mar. 20.
 Telephone power plant. H. T. Langabeer and R. L. Lunsford. 1,970,939; Aug. 21.
 Telephone receiver. F. S. Wolpert. 1,980,242; Nov. 13.
 Telephone receiver and transmitter assembly. L. G. Williams. 1,979,183; Oct. 30.
 Telephone responsive control for radio speakers. A. P. Deron. 1,960,214; May 22.
 Telephone set. J. W. Foley. 1,984,062; Dec. 11.
 Telephone set. H. F. Obergfell. 1,983,393; Dec. 4.
 Telephone set. O. Weeber and O. Soldan. 1,944,701; Jan. 23.
 Telephone set, Substation. H. H. Ide. 1,976,729; Oct. 16.
 Telephone signal. G. R. Eaton and G. Kiner. 1,956,437; Apr. 24.
 Telephone signaling apparatus, Automatic. J. E. Tuscher and M. Spiro. 1,974,551; Sept. 25.
 Telephone stand and telephone directory, secretary and bookrack, Combination. J. G. Hunter. 1,969,305; Aug. 7.
 Telephone station outdoor protector. G. W. Rodormer. 1,948,078; Feb. 20.
 Telephone substation apparatus. D. H. King. 1,981,649; Nov. 20.
 Telephone substation apparatus. G. R. Lum. 1,965,423; July 3.
 Telephone substation system. F. Lubberger. 1,957,659; May 8.
 Telephone support. W. H. Manning. 1,973,216; Sept. 11.
 Telephone system. L. B. Appleton. 1,971,672; Aug. 28.
 Telephone system. R. B. Ashbrook and A. M. Burnett. 1,942,404; Jan. 9.
 Telephone system. R. S. Bailey. 1,944,961; Jan. 30.
 Telephone system. G. T. Baker. 1,963,929; June 19.
 Telephone system. W. M. Beaumont. 1,980,175; Nov. 13.
 Telephone system. F. T. Belas. 1,950,877; Mar. 13.
 Telephone system. F. T. Belas and G. T. Baker. 1,956,610; May 1.
 Telephone system. S. Bergmann and J. Charwat. 1,970,217; Aug. 14.
 Telephone system. F. B. Blake. 1,952,835; Mar. 27.
 Telephone system. D. A. Christian. 1,956,371; Apr. 24.
 Telephone system. T. F. Crocker. 1,956,374; Apr. 24.
 Telephone system. T. F. Crocker and V. S. Tharp. 1,946,671; Feb. 13.
 Telephone system. H. D. Currier. 1,956,493; Apr. 24.
 Telephone system. G. Deakin and W. Hatton. 1,984,060; Dec. 11.
 Telephone system. R. G. Dixon. 1,951,134; Mar. 13.
 Telephone system. E. Ehrlicke. 1,944,684; Jan. 23.
 Telephone system. H. M. Friendly. 1,944,911-12; Jan. 30.
 Telephone system. H. M. Friendly. 1,945,466-8; Jan. 30.
 Telephone system. E. L. Getz, R. L. Pentland, and L. A. Dorff. 1,975,207; Oct. 2.
 Telephone system. H. E. Humphries. 1,954,131; Apr. 10.
 Telephone system. W. C. Jordan. 1,952,870; Mar. 27.
 Telephone system. F. L. Kahn. 1,967,408; July 24.
 Telephone system. F. Kessler, H. S. Deyes, and J. Scowcroft. 1,942,651; Jan. 9.
 Telephone system. G. V. King. 1,963,747; June 19.
 Telephone system. F. A. Korn. 1,944,244; Jan. 23.
 Telephone system. J. P. Lowe. 1,983,477; Dec. 4.
 Telephone system. F. Lubberger. 1,951,159; Mar. 13.
 Telephone system. H. D. MacPherson. 1,943,130; Jan. 9.
 Telephone system. W. H. Matthies. 1,963,754; June 19.
 Telephone system. C. H. McCandless. 1,964,588; June 26.
 Telephone system. J. B. McKim. 1,946,228; Feb. 6.
 Telephone system. W. C. Oakes. 1,942,487; Jan. 9.
 Telephone system. E. C. Oliver. 1,944,693; Jan. 23.
 Telephone system. W. G. Patterson, D. A. Christian, and W. H. Grinstead. 1,971,501; Aug. 28.
 Telephone system. W. G. Patterson and D. P. Long. 1,974,159; Sept. 18.
 Telephone system. E. S. Peterson. 1,944,694; Jan. 23.
 Telephone system. F. Pfeiderer. 1,974,193; Sept. 18.
 Telephone system. J. G. Pope. 1,970,337; Aug. 14.
 Telephone system. A. C. Powell. 1,968,420; July 31.
 Telephone system. A. Raynsford and W. T. Haines. 1,944,269; Jan. 23.
 Telephone system. R. G. Richardson. 1,951,109; Mar. 13.
 Telephone system. D. B. Robison. 1,960,877; May 29.
 Telephone system. N. H. Saunders. 1,957,672; May 8.
 Telephone system. N. H. Saunders. 1,971,505; Aug. 28.
 Telephone system. Y. Shimazu. 1,965,435; July 3.
 Telephone system. F. Simon. 1,974,164; Sept. 18.
 Telephone system. H. H. Smith. 1,971,509; Aug. 28.
 Telephone system. R. F. Stehlik. 1,942,671; Jan. 9.
 Telephone system. R. F. Stehlik. 1,944,698; Jan. 23.
 Telephone system. C. P. Stocker. 1,974,087; Sept. 18.
 Telephone system. R. Taylor. 1,954,106; Apr. 10.
 Telephone system. B. A. Wallace. 1,943,402; Jan. 16.
 Telephone system. B. A. Wallace. 1,960,883; May 29.
 Telephone system. L. R. Waller. 1,954,967; Apr. 17.
 Telephone system. W. Whitney. 1,950,129; Mar. 6.
 Telephone system. J. Wicks. 1,942,462; Jan. 9.
 Telephone system. S. B. Williams and F. J. Scudder. 1,960,037; May 22.
 Telephone system. O. H. Williford. 1,963,769; June 19.
 Telephone system. E. Wochinrer and M. Mathias. 1,952,403; Mar. 27.
 Telephone system, Automatic. M. Langer. 1,963,586; June 19.
 Telephone system, Automatic. M. Mathias. 1,968,087; July 31.
 Telephone system, Automatic. J. Wicks. 1,967,848; July 24.
 Telephone system, Long distance. C. N. Nebel. 1,953,496; Apr. 3.
 Telephone system, Optical. N. R. French. 1,981,999; Nov. 27.
 Telephone system, Two-way. S. B. Wright and E. R. Taylor. 1,973,595; Sept. 11.
 Telephone systems, Arrangement relating to automatic. A. H. Olson and S. D. Vigren. 1,944,570; Jan. 23.
 Telephone toll collecting apparatus. G. A. Long. 1,977,884; Oct. 23.
 Telephone transmission line. F. M. Crapo. 1,942,411; Jan. 9.
 Telephone transmitter. L. C. Pocock, C. B. V. Neilson, and R. Blackburn. 1,952,889; Mar. 27.
 Telephone transmitter and receiver. F. Schiffl. 1,955,390; Apr. 17.
 Telephone, Wall. H. F. Obergfell. Des. 94,158; Dec. 25.
 Telephones, Attachment for use in connection with. A. Elboz. 1,946,617; Feb. 13.
 Telephony and telegraphy signaling device. W. Runge. 1,955,095; Apr. 17.
 Telescope. A. König. 1,952,759; Mar. 27.
 Telescope for aircraft, Sighting. O. Burkhardt. 1,985,077; Dec. 18.
 Telescope for observing strong sources of light. O. Eppenstein. 1,971,066; Aug. 21.
 Telescope, Prism. H. S. Cover. 1,978,013; Oct. 23.
 Telescope with right-angled isosceles reflecting prisms, Prismatic. E. Langenhagen and R. Mechau. 1,959,538; May 22.
 Telescopic sight. K. Jung. 1,946,213; Feb. 6.
 Telescoping support, Adjustable. A. C. Recker. 1,970,624; Aug. 21.
 Teletypewriter apparatus. E. A. Bescherer. 1,985,011; Dec. 18.
 Teletypewriter selector system. F. S. Kinkead. 1,946,216; Feb. 6.
 Television. H. and H. Buecker. 1,974,911; Sept. 25.
 Television. H. P. Donle. 1,980,155; Nov. 6.
 Television. J. J. McCreary. 1,978,684; Oct. 30.
 Television and like apparatus. J. L. Baird. 1,980,150; Nov. 6.
 Television apparatus. J. L. Baird. 1,957,815; May 8.
 Television apparatus. H. M. Dowsett and D. L. Plais-towe. 1,971,372; Aug. 28.
 Television apparatus. P. P. Holzer, sr. 1,980,406; Nov. 13.
 Television apparatus. R. Möller and G. Schubert. 1,973,385; Sept. 11.
 Television apparatus. W. H. Peck. 1,979,840; Nov. 6.
 Television apparatus. G. S. Pfeiffer. 1,943,395; Jan. 16.
 Television apparatus. F. Schröter. 1,951,533; Mar. 20.
 Television apparatus. D. W. Short. 1,970,632; Aug. 21.
 Television apparatus. W. H. Sweeney. 1,979,298; Nov. 6.
 Television apparatus. D. von Mihály. 1,969,633; Aug. 7.
 Television apparatus. D. E. Worlitz. 1,978,288; Oct. 23.
 Television method and apparatus. C. A. Birch-Field. 1,958,606; May 15.
 Television method and apparatus. H. P. Donle. 1,957,101; May 1.
 Television method and apparatus. H. P. Donle. 1,961,632; June 5.
 Television method and apparatus. H. P. Donle. 1,984,336; Dec. 11.
 Television method and apparatus. J. V. L. Hogan and H. P. Donle. 1,943,238; Jan. 9.
 Television method and apparatus. L. Wainwright. 1,968,977; Aug. 7.
 Television motor. M. C. Spencer. 1,948,546; Feb. 27.
 Television receiver. W. J. Herdman. 1,945,607; Feb. 6.
 Television receiver. F. Schröter. 1,977,409; Oct. 16.
 Television receiving apparatus. C. W. Becker. 1,981,942; Nov. 27.
 Television receiving lamp. D. D. Knowles. 1,948,720; Feb. 27.
 Television scanning device. C. F. Jenkins. 1,984,682; Dec. 18.
 Television scanning system. H. P. Donle. 1,969,456; Aug. 7.
 Television synchronization method. J. C. Batchelor and A. W. Vance. 1,955,320; Apr. 17.
 Television synchronizing and monitoring system. H. C. Gillespie. 1,985,723; Dec. 25.
 Television system. J. L. Baird. 1,945,626; Feb. 6.
 Television system. W. L. Carlson. 1,975,056; Sept. 25.
 Television system. A. B. Du Mont. 1,984,673; Dec. 18.
 Television system. I. R. Goshaw. 1,979,463; Nov. 6.
 Television system. L. G. Pooher. 1,985,690; Dec. 25.
 Television system. J. Weinberger, T. A. Smith, and G. Rodwin. 1,975,055; Sept. 25.
 Television system and apparatus. D. S. de Amicis. 1,945,968; Feb. 6.
 Television system, Color. A. M. Nicolson. 1,985,685; Dec. 25.

- Television system, Elastic wave. A. M. Nicolson. 1,972,492; Sept. 4.
- Television system, Panoramic. A. M. Nicolson. 1,985,684; Dec. 25.
- Television transmission. J. V. L. Hogan. 1,976,699; Oct. 9.
- Television transmitter. H. A. Adams. 1,968,979; Aug. 7.
- Television transmitter. I. Kitroser. 1,965,103; July 3.
- Telltale device. W. H. Butterworth. 1,968,371; July 31.
- Tellurium alloy rectifier. E. A. Harty. 1,961,825; June 5.
- Temperature and condition of molten glass in forehearth, Controlling the. W. T. Horniss. 1,970,094; Aug. 14.
- Temperature apparatus, Constant. P. H. Betts. 1,984,514; Dec. 18.
- Temperature carbonization, Apparatus for low. A. Traut. 1,967,691; July 24.
- Temperature compensating device. V. E. Carbonara. 1,966,753; July 17.
- Temperature compensation for electrical devices. E. W. Clark and E. Gilbertson. 1,947,187; Feb. 13.
- Temperature construction mold. B. Harig. 1,942,098; Jan. 2.
- Temperature control. J. W. Davis. 1,952,909; Mar. 27.
- Temperature control. R. M. Heintz. 1,979,546; Nov. 6.
- Temperature control. G. E. Hulse. 1,943,961; Jan. 16.
- Temperature control. A. S. Musselman. 1,974,992; Sept. 25.
- Temperature control. W. Richter. 1,976,298; Oct. 9.
- Temperature control and the like. C. A. Otto. 1,970,057; Aug. 14.
- Temperature control apparatus. V. Bush. 1,960,694; May 29.
- Temperature control apparatus. J. K. Clapp. 1,967,185; July 17.
- Temperature control apparatus. J. A. Spencer. 1,952,897; Mar. 27.
- Temperature control apparatus. D. G. Taylor. 1,970,987; Aug. 21.
- Temperature control apparatus. C. Wilbjelm. Re19,383; Nov. 27.
- Temperature-control apparatus for furnaces. K. E. Lundberg. 1,959,983; May 22.
- Temperature control apparatus for hot rolls, Automatic. I. E. Smith. 1,954,027; Apr. 10.
- Temperature control device. S. Eskin. 1,976,842; Oct. 16.
- Temperature control device. F. H. McCormick. 1,977,393-5; Oct. 16.
- Temperature control device, Automatic. E. Romanelli. 1,942,002; Jan. 2.
- Temperature control for heaters. W. S. Reich. 1,954,365; Apr. 10.
- Temperature control for mechanically vibratile elements, Constant. L. A. Hyland. 1,950,246; Mar. 6.
- Temperature control for oil filled bushings. W. A. Hillebrand. 1,983,371; Dec. 4.
- Temperature control for refrigerating systems. A. F. Hoesel. 1,964,636; June 26.
- Temperature control, Low-limit. P. F. Shivers. 1,961,252; June 5.
- Temperature control of piezo-electric crystal holders. M. Osnos. 1,962,210; June 12.
- Temperature control system. E. J. Dillman. 1,946,842; Feb. 13.
- Temperature control system. L. A. Gebhard and L. A. Van Look. 1,963,987; June 26.
- Temperature control system. D. G. Taylor. 1,970,988; Aug. 21.
- Temperature control, Thermostatic. C. E. Armstrong. 1,961,544; June 5.
- Temperature control valve. F. L. Hutchinson. 1,956,831; May 1.
- Temperature-controlling apparatus. G. E. Hulse. 1,943,965; Jan. 16.
- Temperature controlling device. H. L. Shapard. 1,977,494; Oct. 16.
- Temperature controlling means. V. V. Veenschoten. 1,980,454; Nov. 13.
- Temperature cooling system for motors, Dual. J. Z. Brubaker. 1,962,134; June 12.
- Temperature, Device for indicating. F. G. Bloch. 1,970,219; Aug. 14.
- Temperature in hydrogenation reactors, Controlling. J. Christ. 1,951,725; Mar. 20.
- Temperature indicating device. J. E. Lodge. 1,965,422; July 3.
- Temperature indicating device. P. A. Robbins. 1,945,378; Jan. 30.
- Temperature indicating system. H. Hastings. 1,950,141; Mar. 6.
- Temperature indication and control. F. E. Beach and A. H. Jenson. 1,945,017; Jan. 30.
- Temperature indicator. S. M. Anderson. 1,976,911; Oct. 16.
- Temperature indicator. G. Camilli. 1,953,914; Apr. 3.
- Temperature indicator. J. Zubaty. 1,973,838; Sept. 18.
- Temperature indicator and control. E. S. Smith. 1,972,168; Sept. 4.
- Temperature indicator for liquid circulatory systems. E. J. Levy. 1,954,570; Apr. 10.
- Temperature indicator, Steel mill. H. H. Angel and E. Cook. 1,966,086; July 10.
- Temperature limiting mechanism for hot water systems. A. L. Tobin. 1,979,779; Nov. 6.
- Temperature measuring apparatus, High voltage. B. W. St. Clair. 1,967,911; July 24.
- Temperature measuring device. P. S. Edwards and C. D. Barbulesco. 1,951,276; Mar. 13.
- Temperature measuring device. C. E. Foster. 1,946,155; Feb. 6.
- Temperature of hot bodies, Apparatus for ascertaining the. B. F. Anthony. 1,958,879; May 15.
- Temperature of hot water for tapping purposes, Controlling the. E. T. Linderoth. 1,944,088; Jan. 16.
- Temperature or pressure controller. L. C. Irwin. 1,956,577; May 1.
- Temperature or pressure controller, Automatic. A. J. Mansure. 1,943,831; Jan. 16.
- Temperature refrigeration system, Multiple. J. R. Replogle. 1,953,433; Apr. 3.
- Temperature regulating device. H. Goldstein. 1,966,949; July 17.
- Temperature regulating device for beds or bedrooms. F. Hellmuth. 1,979,467; Nov. 6.
- Temperature regulating means. J. H. McAuley. 1,971,532; Aug. 28.
- Temperature regulating means for cooking apparatus. C. A. Fausel. 1,961,141; June 5.
- Temperature regulating system. F. A. Faust. 1,973,752; Sept. 18.
- Temperature regulator. F. C. Chadborn. 1,957,629; May 8.
- Temperature-regulator system and apparatus. G. E. Hulse. 1,943,969; Jan. 16.
- Temperature responsive device. G. A. Tuck. 1,980,509; Nov. 13.
- Temperature responsive device. E. Tyden. Re19,261; July 31.
- Temperature responsive mechanism. R. E. Newell. 1,970,969; Aug. 21.
- Temperatures, Apparatus for use in locating points of maximum or minimum. G. E. Megaw. 1,968,534; July 31.
- Temperatures, Determining critical. G. Alleman and A. F. S. Musante. 1,982,620; Dec. 4.
- Temperatures, Method and apparatus for controlling. R. E. Olson and C. D. De Mers. 1,953,721; Apr. 3.
- Temperatures of hot fluids, Device for measuring. B. P. Crittenden and A. C. Killinger. 1,981,721; Nov. 20.
- Template for jambs and frames, Adjustable. A. Blade. 1,946,961; Feb. 13.
- Template for lock plate mortises. E. P. Sacrey. 1,954,368; Apr. 10.
- Temple hinge or mounting for spectacles. R. J. Page. 1,941,575; Jan. 2.
- Temple thread cutter. F. E. Douglas. 1,951,600; Mar. 20.
- Templet for facilitating the drawing of geometrical patterns. J. McKenna. Des. 91,466; Feb. 6.
- Tender frame. C. B. Horbison. 1,963,602; July 31.
- Tender frame structure. A. R. Ayers and G. S. Vail. 1,985,711; Dec. 25.
- Tender, Locomotive. F. Hogg. 1,969,372; Aug. 7.
- Tender, Locomotive. E. A. Turner. 1,969,337; Aug. 7.
- Tender structure. H. E. Lippert. 1,965,983; July 10.
- Tennis and other rackets, Apparatus for stringing. S. N. Goodhall and G. C. Brantnall. 1,962,865; June 12.
- Tennis court. G. C. Foster. 1,958,850; May 15.
- Tennis net. E. F. Dieball. 1,959,573; May 22.
- Tennis net. C. Dunscombe. 1,959,574; May 22.
- Tennis net mounting, Convertible. W. E. Staff. 1,968,720; July 31.
- Tennis racket. F. B. Andrews. 1,962,701; June 12.
- Tennis racket. J. L. Kleinman. 1,942,479; Jan. 9.
- Tennis racket and stringing same. H. A. and S. T. Cook. 1,980,783; Nov. 13.
- Tennis racket strings, Method of and compound for coating. W. E. Gledhill. 1,956,441; Apr. 24.
- Tennis rackets with strings, Stringing. S. Tauber and L. Fischmann. 1,969,826; Aug. 14.
- Tennis scoring device. H. P. Campbell. 1,985,652; Dec. 25.
- Tennis strings and the like, Making. W. J. Hamburger. 1,970,376; Aug. 14.
- Tensioning machine. A. Schroff. 1,956,748; May 1.
- Tens transfer device. E. Breitting. 1,978,930; Oct. 30.
- Tensile strength of cellulose and product, Increasing. A. J. Pacini. 1,948,276; Feb. 20.
- Tension control device. A. W. Broms. 1,972,916; Sept. 11.
- Tension controlling device. W. A. Baer. 1,946,264; Feb. 6.
- Tension device. E. J. Abbott. 1,965,363; July 3.
- Tension device. J. A. Anderson. 1,955,866; Apr. 17.
- Tension device. W. T. Munson. 1,985,665; Dec. 25.
- Tension device for automatic loom shuttles. W. E. Lundgren. 1,947,133; Feb. 13.
- Tension device for grain binders. B. R. Benjamin. 1,964,496; June 26.
- Tension dialysis, Method and apparatus for surface. L. Cammen. 1,974,235; Sept. 18.
- Tension for paper rolls. G. Salzer. 1,959,445; May 22.
- Tension in strips of flexible material while being drawn from coils or rolls, Controlling the. C. J. Beaver, T. J. Fairfield, and F. Smith. 1,944,916; Jan. 30.
- Tension measuring device. V. A. Schoenberg. 1,960,224; May 22.
- Tension of materials drawn from a roll, Mechanism for controlling the. J. R. Tomlin. 1,979,914; Nov. 6.
- Tension of spring rollers, Device for controlling. C. Traut. 1,947,070; Feb. 13.

- Tension of the web in rotary printing machines, Device for automatically regulating the. H. Bolza. 1,972,676; Sept. 4.
- Tensioning device. L. C. Daniels. 1,946,313; Feb. 6.
- Tensioning device. S. B. Roberts. 1,963,097; July 31.
- Tensioning device. E. Snyder and G. W. Kierspe. 1,954,499; Apr. 10.
- Tensioning device, Automatic yarn. H. E. Easton. 1,956,946; May 1.
- Tensioning device for covers. E. S. Boyd. 1,962,730; June 12.
- Tensioning device for shuttles. L. Pavia. 1,975,019; Sept. 25.
- Tensioning device for wires, cables, and the like. P. Gotti. 1,952,668; Mar. 27.
- Tensioning means for ticker tape. A. D. Eitzen. 1,981,858; Nov. 27.
- Tensioning mechanism for printing presses. D. Belcher. 1,978,073; Oct. 23.
- Tensioning mechanism for winding apparatus. L. C. Sheldon. 1,969,906; Aug. 14.
- Tent. J. A. Ratta, jr. 1,966,561; July 17.
- Tent. R. Skagerberg. 1,953,514; Apr. 3.
- Tent. M. B. Smith. 1,962,916; June 12.
- Tent. M. B. Smith. 1,962,918; June 12.
- Tent and the like, Bathing. A. Abraham and R. A. M. Cheek. 1,945,360; Jan. 30.
- Tent, Combination. D. Rosenbaum. 1,985,694; Dec. 25.
- Tent for gas-delivering apparatus. J. A. Heidbrink and B. J. Clark. 1,971,408; Aug. 28.
- Tent frame. L. M. Crow. 1,958,296; May 8.
- Tent frame. F. Salmen, jr. 1,961,915; June 5.
- Tent, Individual and combination auto sleeper. F. Marx. 1,949,751; Mar. 6.
- Tenter clip. J. H. Williams. 1,984,616; Dec. 18.
- Tentering and drying machine. H. H. Belcher. 1,983,264; Dec. 4.
- Tentering and drying machine. H. Krantz. 1,961,881; June 5.
- Tentering device. I. R. Krug. 1,984,377; Dec. 18.
- Terminal. C. H. Chapman. 1,945,393; Jan. 30.
- Terminal. B. A. Lundy and E. F. Knowles. 1,958,196; May 8.
- Terminal. I. C. Shafer. 1,969,529; Aug. 7.
- Terminal and sliding fastener for lines. J. P. Hansen. 1,964,631; Jan. 26.
- Terminal block. F. C. Lavarack. 1,952,554; Mar. 27.
- Terminal box. E. Baguley. 1,946,265; Feb. 6.
- Terminal clamp. J. C. Krueger. 1,945,437; Jan. 30.
- Terminal clamp. J. Schmidt. 1,965,712; July 10.
- Terminal connecting device for electrical conductors, Sol-derless. E. T. Hagist. 1,982,212; Nov. 27.
- Terminal connection. W. C. Berryman. 1,961,954; June 5.
- Terminal connection. W. B. Pietenpol and F. C. Walz. 1,970,022; Aug. 14.
- Terminal connections, making. A. R. Swoboda. 1,950,156; Mar. 6.
- Terminal construction. J. E. Smith. 1,973,271; Sept. 11.
- Terminal construction, High voltage. F. S. Smith. 1,969,911; Aug. 14.
- Terminal coupling for well strainers. G. E. Willers. 1,950,202; Mar. 6.
- Terminal, Electric. E. A. Everett. 1,964,565; June 26.
- Terminal, Expanding. H. Rabazzana. 1,963,419; June 19.
- Terminal for batteries, Protectors. F. Anzalone, J. Spisito, and V. Garcia. 1,951,591; Mar. 20.
- Terminal for electric heating appliances. A. H. Heyroth. 1,969,132; Aug. 7.
- Terminal for insulated cables, Sealed. A. Z. Mample. 1,956,534; Apr. 24.
- Terminal for resistors. M. Bjorndal. 1,971,809; Aug. 28.
- Terminal, Grounding. A. E. Anderson. 1,978,122; Oct. 23.
- Terminal lug and joining same to a conductor. D. Basch and M. M. Hennessy. 1,959,150; May 15.
- Terminal lug and lug-attaching tool. E. P. Veling. 1,955,695; Apr. 17.
- Terminal or clamp. A. D. Goldman. 1,979,382; Nov. 6.
- Terminal structure for electric cables. C. E. Bennett. 1,959,338; May 22.
- Terminal tips, Making. H. A. Elliott. 1,976,929; Oct. 16.
- Terminals, Making ground. T. W. Byrne. 1,976,919; Oct. 16.
- Termites, Process and tool for eradicating. D. Aiken. 1,982,974-5; Dec. 4.
- Terpenes, Producing. J. Rebner. 1,967,430; July 24.
- Terrazzo grinding apparatus. A. W. Mall. 1,980,491; Nov. 13.
- Terrazzo strip. V. Morreale. 1,952,135; Mar. 27.
- Terry loop knitted fabric. H. McAdams. 1,949,319; Feb. 27.
- Test block. M. J. Lewis. 1,964,885; July 3.
- Test block for meters. A. R. Rutter and W. G. Mylius. 1,942,258; Jan. 2.
- Test checking apparatus. J. E. Roberts. 1,946,361; Feb. 6.
- Test indicator. H. A. Lowe. 1,964,168; June 26.
- Test meter. T. R. Watts. 1,976,531; Oct. 9.
- Test paper correcting machine. J. E. Roberts. 1,958,174; May 8.
- Test record and utilizing the same. J. A. Maurer, jr. 1,955,386; Apr. 17.
- Test tube support. J. A. Reyniers. 1,980,930; Nov. 13.
- Tester for high frequency oscillating current. G. G. Somers. 1,951,218; Mar. 13.
- Tester for oil lines. F. W. Wotachek. 1,982,408; Nov. 27.
- Tester for storage batteries. G. H. Allen. 1,974,440; Sept. 25.
- Tester, Formation. M. L. Boles. 1,950,654; Mar. 13.
- Testing. E. Schweizer. 1,960,281; May 29.
- Testing and sorting articles, Apparatus for. C. A. Purdy and R. E. Park, jr. 1,984,031; Dec. 11.
- Testing and sorting of electrically conducting parts. A. V. Mershon. 1,957,222; May 1.
- Testing apparatus. O. D. Du Bois. 1,946,133; Feb. 6.
- Testing apparatus. N. M. Hansen and H. K. Bigelow. 1,950,607; Mar. 13.
- Testing apparatus. W. F. Henderson and A. Davis. 1,978,134; Oct. 23.
- Testing apparatus. S. L. Leiboff. 1,974,075; Sept. 18.
- Testing apparatus. A. Procofiiev-Seversky. 1,953,045; Mar. 27.
- Testing apparatus for electrical machines. G. R. Anderson. 1,960,614; May 29.
- Testing apparatus for electro-pneumatic brake equipment. C. C. Farmer. 1,953,008; Mar. 27.
- Testing apparatus for pumps. C. H. Fox. 1,958,698; May 15.
- Testing apparatus for train control devices. H. Wickson. 1,942,157; Jan. 2.
- Testing by spectrum analysis, Apparatus for. O. Feussner. 1,971,215; Aug. 21.
- Testing device. J. C. Drader and W. F. Dalzen. 1,961,925; June 5.
- Testing device. A. L. Hady. 1,970,232; Aug. 14.
- Testing device. H. Hollerith, jr. 1,976,021; Oct. 9.
- Testing device. C. H. Rumpel. 1,984,995; Dec. 18.
- Testing device. R. Schneider. 1,942,982; Jan. 9.
- Testing device. J. C. Stirling. 1,979,912; Nov. 6.
- Testing device. E. G. Thomas. 1,941,818; Jan. 2.
- Testing device for acoustic signals and sounds, Electro-optical. A. H. Distel. 1,951,254; Mar. 13.
- Testing device for electrical apparatus. J. R. Williams. 1,954,305; Apr. 10.
- Testing device for internal-combustion engines. J. C. McMurray. 1,948,882; Feb. 27.
- Testing device for modulated high frequency. K. Hallen. 1,967,306; July 24.
- Testing electrically conducting bodies, Method and apparatus for. T. Zuschlag. 1,954,975; Apr. 17.
- Testing fixture for gear cutters. S. H. Earl. 1,969,837; Aug. 14.
- Testing for internal flaws, Method and apparatus for. A. E. F. Billstein. 1,958,079; May 8.
- Testing machine. A. J. Dexter. 1,964,038; June 26.
- Testing machine. M. Musgrave. 1,974,118; Sept. 18.
- Testing machine, Injection device. J. M. Christman. 1,962,174; June 12.
- Testing, Method of and apparatus for. S. J. Weitzer. 1,977,707; Oct. 23.
- Testing plant for internal combustion engines. C. R. Waseige. 1,961,315; June 5.
- Testing system and apparatus therefor. R. A. Mel-sheimer. 1,964,526; June 26.
- Tetacular extract and making the same. F. C. Koch, L. C. McGee, and T. F. Gallagher. 1,941,900; Jan. 2.
- Tetrachloroethylene, Preparing. J. H. Reilly. 1,947,491; Feb. 20.
- Tetraiodophenolphthalein composition. E. F. Ellzey. 1,984,404; Dec. 18.
- Tetrazoles, Preparing disubstituted. G. Scheuing and B. Walach. 1,943,148; Jan. 9.
- Tetrazomonoazo compounds and their preparation, Stable. H. Bamberger. 1,962,111; June 12.
- Textile and other material, Treatment of. H. Dreyfus, W. A. Dickie, and P. F. C. Sowter. 1,950,664; Mar. 13.
- Textile and other materials made of or containing cel-lulose derivatives, Production and treatment of. H. Dreyfus. 1,950,024; Mar. 6.
- Textile and other materials, Treatment of. H. Dreyfus, W. A. Dickie, and F. C. Sowter. 1,978,785; Oct. 30.
- Textile and other materials, Treatment of. G. H. Ellis, H. C. Olpin and E. W. Kirk. 1,957,493; May 8.
- Textile and related industries, Assistant for the. C. Schoeller and M. Wittwer. 1,970,578; Aug. 21.
- Textile apparatus. W. Howarth. 1,984,798; Dec. 18.
- Textile apparatus. W. Pool. 1,973,775-6; Sept. 18.
- Textile assistants and making same. O. Albrecht. 1,970,353; Aug. 14.
- Textile clamp. J. J. McCann. 1,982,683; Dec. 4.
- Textile fabric. J. Aemisegger. Des. 91,383; Jan. 23.
- Textile fabric. J. Aemisegger. Des. 92,056; Apr. 24.
- Textile fabric. C. R. Burns. Des. 92,579; June 26.
- Textile fabric. W. Colvin, jr. 1,977,264-5; Oct. 16.
- Textile fabric. H. Dreyfus. 1,947,465; Feb. 20.
- Textile fabric. H. Flatz. Des. 91,403; Jan. 23.
- Textile fabric. D. F. Greenawalt. Des. 94,129-30; Dec. 25.
- Textile fabric. L. W. Griffiths. Des. 91,321; Jan. 9.
- Textile fabric. W. Heller. Des. 91,878; Apr. 3.
- Textile fabric. M. U. Juestrich. Des. 91,404-6; Jan. 23.
- Textile fabric. M. U. Juestrich. Des. 91,428; Jan. 30.
- Textile fabric. M. U. Juestrich. Des. 91,628; Feb. 27.
- Textile fabric. M. U. Juestrich. Des. 91,943-4; Apr. 10.
- Textile fabric. M. U. Juestrich. Des. 92,089-92; Apr. 24.
- Textile fabric. M. U. Juestrich. Des. 92,136-7; May 1.
- Textile fabric. R. C. Kahrmann, J. Wolf, and A. Bon-nander. Des. 91,779; Mar. 20.
- Textile fabric. W. R. Kaufmann. Des. 92,094; Apr. 24.

- Textile fabric. P. Klopsch. Des. 93,482; Oct. 2.
 Textile fabric. P. Reiman. Des. 91,498-9; Feb. 13.
 Textile fabric. G. F. Scholle. Des. 93,946-7; Nov. 27.
 Textile fabric. P. E. Silliere. Des. 92,324; May 22.
 Textile fabric. I. Strauss. Des. 91,852; Mar. 27.
 Textile fabric. W. D. Teague. Des. 92,274-7; May 15.
 Textile fabric, Embroidered. M. F. Gantz. Des. 93,918; Nov. 27.
 Textile fabric or similar article. V. L. Bennett. Des. 91,810; Jan. 9.
 Textile fabric or similar article. H. D'Armon. Des. 92,063; Apr. 24.
 Textile fabric or similar article. V. De Liso. Des. 92,165; May 8.
 Textile fabric or similar article. L. Derriey. Des. 91,293-4; Jan. 2.
 Textile fabric or similar article. F. W. Ellington. Des. 91,770-1; Mar. 20.
 Textile fabric or similar article. A. Frati. Des. 91,810-11; Mar. 27.
 Textile fabric or similar article. A. Frati. Des. 92,127; May 1.
 Textile fabric or similar article. C. C. Gersbach. Des. 92,072; Apr. 24.
 Textile fabric or similar article. H. Grossman. Des. 92,075-6; Apr. 24.
 Textile fabric or similar article. A. Grulich. Des. 92,077; Apr. 24.
 Textile fabric or similar article. M. Guhl. Des. 92,079-85; Apr. 24.
 Textile fabric or similar article. M. L. Guhl. Des. 92,172; May 8.
 Textile fabric or similar article. M. R. Hamre. Des. 91,877; Apr. 3.
 Textile fabric or similar article. G. Herrel. Des. 91,658-9; Mar. 6.
 Textile fabric or similar article. G. Herrel. Des. 91,880-1; Apr. 3.
 Textile fabric or similar article. G. M. King. Des. 91,585; Feb. 20.
 Textile fabric or similar article. H. J. Laun. Des. 92,096; Apr. 24.
 Textile fabric or similar article. P. Lesser. Des. 91,360; Jan. 16.
 Textile fabric or similar article. N. D. Levy. Des. 91,325; Jan. 9.
 Textile fabric or similar article. J. B. Little. Des. 91,361; Jan. 16.
 Textile fabric or similar article. J. B. Little. Des. 92,186; May 8.
 Textile fabric or similar article. J. Martin. Des. 92,101-3; Apr. 24.
 Textile fabric or similar article. R. Megroz. Des. 91,452; Jan. 30.
 Textile fabric or similar article. P. Reiman. 91,369-71; Jan. 16.
 Textile fabric or similar article. P. Reiman. Des. 91,412-13; Jan. 23.
 Textile fabric or similar article. P. Reiman. Des. 92,108-11; Apr. 24.
 Textile fabric or similar article. P. S. Schwartz. Des. 92,211; May 8.
 Textile fabric or similar article. J. van der Does. Des. 92,120; Apr. 24.
 Textile fabric or similar article. A. Von Eisenbarth. Des. 91,375; Jan. 16.
 Textile fabric or similar article. W. Willheim. Des. 91,301-7; Jan. 2.
 Textile fabric or similar article. W. Willheim. Des. 91,337-41; Jan. 9.
 Textile fabric or similar article. W. Willheim. Des. 91,378; Jan. 16.
 Textile fabric or similar article. W. Willheim. Des. 91,415; Jan. 23.
 Textile fabric or similar article. W. Willheim. Des. 91,475; Feb. 6.
 Textile fabric or similar article. W. Willheim. Des. 92,123; Apr. 24.
 Textile fabric or similar article, Embroidered. M. Hofmann. Des. 91,583; Feb. 20.
 Textile fabric or similar article of manufacture. R. Harvey. Des. 93,922; Nov. 27.
 Textile fabric or similar article of manufacture. R. Harvey. Des. 94,026-7; Dec. 11.
 Textile fabric or similar article of manufacture. F. R. Outerbridge and R. Harvey. Des. 93,284; Sept. 11.
 Textile fabric or similar article of manufacture. P. Reiman. Des. 91,684; Mar. 6.
 Textile fabric or similar article of manufacture. W. E. Reynolds and R. Harvey. Des. 93,996; Dec. 4.
 Textile fabric or the like. A. W. Baldegger. Des. 93,906; Nov. 27.
 Textile fabric or the like. H. F. Dunbar. Des. 91,925; Apr. 10.
 Textile fabric or the like. F. Hoenig. Des. 91,662; Mar. 6.
 Textile fabric or the like. R. C. Kahrmann. Des. 92,355; May 29.
 Textile fabric or the like. L. Levy. Des. 91,671; Mar. 6.
 Textile fabric or the like. R. S. Maraniss. Des. 92,014; Apr. 17.
 Textile fabric or the like. R. S. Maraniss. Des. 93,781; Nov. 6.
 Textile fabric or the like. R. S. Maraniss. Des. 93,879; Nov. 20.
 Textile fabric or the like. H. Wilde. Des. 91,506; Feb. 13.
 Textile fabrics, Coating or filling. A. Mellor and R. J. Mann. 1,970,243; Aug. 14.
 Textile fabrics, Manufacture and treatment of. W. A. Dickie and R. W. Moncrieff. 1,958,471; May 15.
 Textile fibers, Making resilient cellulosic. F. R. Redman. 1,945,449; Jan. 30.
 Textile fibers, Printing. H. Berthold. 1,970,644; Aug. 21.
 Textile fibers, Printing of. S. Gassner and H. Berthold. 1,945,221; Jan. 30.
 Textile fibers, Treating. H. V. Lang. 1,970,045; Aug. 14.
 Textile goods of any description, Treating. W. Rotta. 1,979,121; Oct. 30.
 Textile machine. E. J. Abbott. 1,964,714; July 3.
 Textile machinery. W. A. Dickie and W. Howarth. 1,947,976; Feb. 20.
 Textile machinery. W. Pool. 1,949,621; Mar. 6.
 Textile machinery. W. Pool. 1,966,935; July 17.
 Textile machinery and appliances relating thereto. J. Jabouley. 1,985,782; Dec. 25.
 Textile material and making the same. W. A. Dickie and R. W. Moncrieff. 1,966,440; July 17.
 Textile material and making the same. C. Dreyfus. 1,983,349; Dec. 4.
 Textile material and making the same. C. Dreyfus and G. Schneider. 1,956,565; May 1.
 Textile material and product, Treating. H. A. Lubs and H. W. Walker. 1,941,991; Jan. 2.
 Textile material and product, Treating. H. A. Lubs and H. W. Walker. 1,953,908; Apr. 3.
 Textile material and the production thereof. W. I. Taylor. 1,976,201; Oct. 9.
 Textile material, Improving or modifying acetyl cellulose. K. Beck. 1,947,928; Feb. 20.
 Textile material, Making artificial. L. Lilienfeld. 1,954,324; Apr. 10.
 Textile materials and product thereof, Producing. C. Dreyfus and W. Whitehead. 1,972,923; Sept. 11.
 Textile materials and the like, Treating. L. De R. Faber and C. J. Carroll. 1,948,568; Feb. 27.
 Textile materials, Apparatus for conditioning. W. W. Sibson and H. H. Belcher. 1,952,825; Mar. 27.
 Textile materials, Coloration of. G. H. Ellis. 1,978,786; Oct. 30.
 Textile materials, Coloration of. G. Rivat. 1,972,111; Sept. 4.
 Textile materials containing cellulose derivatives, Treatment of. G. Rivat. 1,968,856; Aug. 7.
 Textile materials, Dyeing loose. L. B. Hasbrouck. 1,977,838; Oct. 16.
 Textile materials, Feeding of. S. A. Welch, A. F. Guyler, J. T. Ashby, and W. H. Boaler. 1,942,524; Jan. 9.
 Textile materials made of or containing organic derivatives of cellulose, Treatment of. G. H. Ellis and R. C. Storey. 1,984,788; Dec. 18.
 Textile materials, Manufacture of. W. I. Taylor. 1,956,600; May 1.
 Textile materials, Method and apparatus for dyeing. J. C. Ferguson. 1,968,677; July 31.
 Textile materials, Production of. W. I. Taylor. 1,969,770; Aug. 14.
 Textile materials, Retting process of. J. A. M. Faut. 1,941,793; Jan. 2.
 Textile materials, Treating. C. Z. Draves, H. A. Lubs, and H. W. Walker. 1,953,909; Apr. 3.
 Textile materials, Treatment of. G. H. Ellis. 1,947,039; Feb. 13.
 Textile materials, Treatment of. G. H. Ellis. 1,949,413; Mar. 6.
 Textile materials, Treatment of. G. H. Ellis. 1,972,137; Sept. 4.
 Textile materials, Treatment of. G. H. Ellis and W. B. Miller. 1,954,622; Apr. 10.
 Textile materials, Treatment of. J. A. Wainwright and J. W. Harrop. 1,964,098; June 26.
 Textile operations, Apparatus for. J. Jabouley. 1,968,041; July 31.
 Textile or other material, Manufacture or treatment of. G. H. Ellis. 1,959,350; May 22.
 Textile or other materials made of or containing cellulose esters or ethers, Manufacture or treatment of. G. H. Ellis. 1,959,351; May 22.
 Textile or other materials, Treatment of. G. H. Ellis. 1,955,796; Apr. 24.
 Textile printing. O. M. Bishop and F. W. Johnson. 1,979,248; Nov. 6.
 Textile printing process and composition. H. B. Briggs and R. W. Hardacre. 1,981,027; Nov. 20.
 Textile products with latex under great hydraulic pressures, Impregnating thick. J. Duarry-Serra. 1,974,879; Sept. 25.
 Textile roll and making the same. C. K. Dunlap. 1,943,215; Jan. 9.
 Textile tape or similar article. V. De Liso. Des. 92,166; May 8.
 Textile, Treatment of. E. Brooks. 1,959,406; May 22.
 Textile woven fabric. E. G. Hayward, Jr. Des. 92,961; Aug. 7.
 Textiles, Dyeing silk containing. F. L. La Que. 1,963,137; June 19.
 Textiles, Impregnation of. F. Hoelkeskamp. 1,984,306; Dec. 11.
 Textiles, Method and composition for treating. W. H. Alton and H. I. Jones. 1,975,493; Oct. 2.
 Textiles of dinitro compounds, Application to. D. H. Powers. 1,962,085; June 5.
 Theater chair. O. F. Sass. 1,973,178; Sept. 11.

- Theater seat. F. C. Townsend. 1,964,443; June 26.
 Theater-stage, Multiple and transformable. P. Ansaldo. 1,966,698; July 17.
 Theatre marquisse. W. O. Prouty. 1,984,986; Dec. 18.
 Theatrical effects, Apparatus for producing. P. S. Edwards and C. D. Barbulessco. 1,941,740; Jan. 2.
 Theft detector. H. J. Weisser. 1,971,861; Aug. 28.
 Theft prevention device. F. V. Maddin. 1,984,590; Dec. 18.
 Theft prevention device for vehicles. F. G. and W. M. Folberth. 1,966,621; July 17.
 Theft preventive device for automobiles. G. T. Ellis. 1,943,216; Jan. 9.
 Therapeutic apparatus. E. A. Buck and L. W. Morey. 1,942,914; Jan. 9.
 Therapeutic apparatus. W. L. Martin. 1,974,500; Sept. 25.
 Therapeutic apparatus. C. E. Miller. 1,953,424; Apr. 3.
 Therapeutic apparatus. F. E. Tiffany. 1,968,509; July 31.
 Therapeutic lamp. R. B. Withrow. 1,953,206; Apr. 3.
 Therapeutic percussor. C. E. Donoway. 1,955,623; Apr. 17.
 Therapeutic treatment device. W. H. Cooke and C. F. Homer. 1,968,015; July 31.
 Therapeutical bed-pad. W. M. Short. 1,970,200; Aug. 14.
 Therapeutical preparation and the production thereof. M. M. Becker. 1,950,132; Mar. 6.
 Thermal conductivity cell. W. F. Hamilton. 1,971,038; Aug. 21.
 Thermal conductivity, Measuring. T. R. Harrison. 1,981,172; Nov. 20.
 Thermal control for flatirons and similar devices. L. Reichold. 1,974,997; Sept. 25.
 Thermal insulation media. A. A. Ladon. 1,983,617; Dec. 11.
 Thermal latch, Electrically heated. N. H. Kimball. 1,956,902; May 1.
 Thermal overload release. V. L. Darnell and M. Voegel. 1,966,926; July 17.
 Thermal relay. W. J. Hudson. 1,985,033; Dec. 18.
 Thermal relay. H. E. White. 1,982,335; Nov. 27.
 Thermal switch. C. H. Stave. 1,982,548; Nov. 27.
 Thermal testing device. C. K. Roos. 1,975,052; Sept. 25.
 Thermal treatment of hydrocarbon gases. G. H. Coxon. 1,971,677; Aug. 28.
 Thermally actuable means for operating electric switches. D. W. Johnson. 1,982,521; Nov. 27.
 Thermally actuated switch. I. E. McCable. 1,975,856; Oct. 9.
 Thermally controlled mechanism. D. P. Cartwright. 1,974,844; Sept. 25.
 Thermally controlled switch. J. C. Hoover. 1,980,756; Nov. 13.
 Thermally operated device operating by expansion of air or other gas when heated. E. A. Lowe and J. R. Hamilton. 1,942,823; Jan. 9.
 Thermally responsive system. J. A. Serrell. 1,984,437; Dec. 18.
 Thermionic control for thermionic arc discharge devices. A. W. Hull. 1,955,545; Apr. 17.
 Thermionic device. J. A. Holladay. 1,963,844; June 19.
 Thermionic device and circuit therefor. E. L. Koch. 1,980,728; Nov. 13.
 Thermionic discharge device. W. T. Gibson and A. H. Boulestreau. 1,965,338; July 3.
 Thermionic follow-up and remote control system. B. A. Wittkubns. 1,959,803; May 22.
 Thermionic modulating system. N. Wells. 1,950,464; Mar. 13.
 Thermionic relay tube system. G. S. Schaberle. 1,960,349; May 29.
 Thermionic system. J. E. Foster. 1,976,391; Oct. 9.
 Thermionic translating device and system. W. Claypoole. 1,962,427; June 12.
 Thermionic tube. J. Bethenod. 1,955,404; Apr. 17.
 Thermionic tube. E. L. Koch. 1,975,610; Oct. 2.
 Thermionic tube. E. L. Koch. 1,980,804; Nov. 13.
 Thermionic tube. A. N. Lucian. 1,960,851; May 29.
 Thermionic tube. F. S. McCullough. 1,948,122; Feb. 20.
 Thermionic tube. O. T. McVaine. 1,969,658; Aug. 7.
 Thermionic tube. P. F. Scofield. 1,970,773; Aug. 21.
 Thermionic tube. F. E. Terman. 1,978,918; Oct. 30.
 Thermionic vacuum tube. P. T. Farnsworth. 1,975,143; Oct. 2.
 Thermionic valve. G. Marconi and C. S. Franklin. 1,981,058; Nov. 20.
 Thermionic valve. H. J. Round. 1,959,039; May 15.
 Thermionic valve generator, Electric short wave. E. C. S. Megaw. 1,955,011; Apr. 17.
 Thermo container. L. W. Foy. 1,984,261; Dec. 11.
 Thermocouple. M. J. Johnson. 1,972,146; Sept. 4.
 Thermocouple. J. P. Vollrath. 1,979,085; Oct. 30.
 Thermodynamic energy storage method. F. Marguerre. 1,979,393; Nov. 6.
 Thermodynamic system. C. B. Watson. 1,979,128; Oct. 30.
 Thermoelectric element and thermocouple. O. Hermann. 1,947,595; Feb. 20.
 Thermohydrometer. L. Edelmann. 1,965,456; July 3.
 Thermometer. E. Bandoly. 1,977,711; Oct. 23.
 Thermometer. E. Bandoly. 1,983,786; Dec. 11.
 Thermometer. H. D. Bolton. 1,942,506; Jan. 9.
 Thermometer. H. B. Brown. Des. 91,314; Jan. 9.
 Thermometer. H. B. Brown. Des. 91,702; Mar. 13.
 Thermometer. H. B. Brown. Des. 91,801; Mar. 27.
 Thermometer. H. B. Brown. Des. 92,388; June 5.
 Thermometer. H. B. Brown. Des. 93,969; Dec. 4.
 Thermometer. H. B. Brown. 1,984,825; Dec. 18.
 Thermometer. J. L. Chaney and W. K. Yates. 1,983,166; Dec. 4.
 Thermometer. P. Gaiser. 1,978,746; Oct. 30.
 Thermometer. H. Hastings. 1,945,400; Jan. 30.
 Thermometer. B. Noyes, Jr. 1,942,517; Jan. 9.
 Thermometer. R. E. Schneider. 1,947,175; Feb. 13.
 Thermometer. D. F. Sheppard. Des. 93,425; Sept. 25.
 Thermometer and calendar support, Combined. C. N. Montanye. Des. 92,263; May 15.
 Thermometer and making the same. E. Bandoly. 1,984,819; Dec. 18.
 Thermometer and making the same. K. L. Tate. 1,970,715; Aug. 21.
 Thermometer case body. J. R. Neill. Des. 93,353; Sept. 18.
 Thermometer, Electric resistance. O. Feussner. 1,970,084; Aug. 14.
 Thermometer for cook stoves. G. E. Pickup. Des. 93,733; Oct. 30.
 Thermometer for measuring temperature of the skin. B. Noyes, Jr. 1,942,516; Jan. 9.
 Thermometer, Radiation differential. H. B. Lindsay. 1,980,213; Nov. 13.
 Thermometry. W. B. Elmer. 1,978,704; Oct. 30.
 Thermophoric composition. E. Sander. 1,971,660; Aug. 28.
 Thermo-plastic materials or articles comprising cellulose derivative, Manufacture of. S. Whyte and W. E. Lord. 1,952,696; Mar. 27.
 Thermo-regulator. V. Hiergesell. Des. 92,351; May 29.
 Thermostat. G. R. Blodgett. 1,977,570; Oct. 16.
 Thermostat. N. Borresen. 1,975,190; Oct. 2.
 Thermostat. E. J. Deary. 1,983,740; Dec. 11.
 Thermostat. F. A. Gauger. 1,954,446; Apr. 10.
 Thermostat. J. H. Grayson. 1,941,795; Jan. 2.
 Thermostat. D. M. Greer. 1,945,434; Jan. 30.
 Thermostat. T. O. Hall. 1,959,954; May 22.
 Thermostat. H. L. Hirschler. 1,950,891; Mar. 13.
 Thermostat. F. Kuhn and L. H. Thomas. 1,985,100; Dec. 18.
 Thermostat. G. A. Robertshaw. 1,976,517; Oct. 9.
 Thermostat. L. Satchwell. 1,945,706; Feb. 6.
 Thermostat. A. G. Schaefer. 1,950,906; Mar. 13.
 Thermostat. J. A. Spencer. 1,958,594; May 15.
 Thermostat. J. A. Spencer. 1,983,823; Dec. 11.
 Thermostat. L. B. Sperry and J. L. Yarian. 1,952,516; Mar. 27.
 Thermostat. D. J. Stewart. 1,961,649; June 5.
 Thermostat alarm for bearings. R. F. Bethea. 1,946,382; Feb. 6.
 Thermostat bellows assembly. R. E. Newell. 1,969,574; Aug. 7.
 Thermostat, Bimetal. H. Scott. 1,947,065; Feb. 13.
 Thermostat casing. B. J. Butler. Des. 93,452; Oct. 2.
 Thermostat control. E. L. Payne. 1,970,942; Aug. 21.
 Thermostat control. H. J. Smith. 1,981,282; Nov. 20.
 Thermostat control for heating plants. C. E. Armstrong. 1,954,763; Apr. 10.
 Thermostat control for radiators. W. B. Mackintosh. 1,974,680; Sept. 25.
 Thermostat control of pilot flames for burners. W. L. Shively. 1,968,319; July 31.
 Thermostat controlling temperature for central heating systems. F. M. Jauvert. 1,945,745; Feb. 6.
 Thermostat, Differential. M. O. Snediker. 1,983,821; Dec. 11.
 Thermostat, Electrical. W. D. Harper. 1,955,881; Apr. 24.
 Thermostat for aquariums. G. F. Roth. 1,981,251; Nov. 20.
 Thermostat lock. A. M. Getz. 1,945,432; Jan. 30.
 Thermostat, Room. V. J. Evans and L. S. Castonguay. 1,976,930; Oct. 16.
 Thermostat, Two-level temperature. J. M. Larson. 1,949,210; Feb. 27.
 Thermostatic contact mechanism. B. E. Getchell. 1,962,587; June 12.
 Thermostatic control. E. C. Fichtner. 1,963,655; June 19.
 Thermostatic control. H. L. Finley. 1,968,194; July 31.
 Thermostatic control. J. M. Kelley. 1,952,440; Mar. 27.
 Thermostatic control. W. B. Kerrick. 1,968,525; July 31.
 Thermostatic control. W. H. Shaw. 1,972,908; Sept. 11.
 Thermostatic control. J. A. Spencer. 1,972,832; Sept. 4.
 Thermostatic control. J. A. Spencer. 1,982,078; Nov. 27.
 Thermostatic control device. J. G. McNamara. 1,944,358; Jan. 23.
 Thermostatic control device for hydraulic shock absorbers. A. Peteler. 1,972,949; Sept. 11.
 Thermostatic control for electric circuits. G. L. Colbie. 1,959,659; May 22.
 Thermostatic control for electron discharge devices. J. H. Payne. 1,955,560; Apr. 17.
 Thermostatic control mechanism. P. B. Parks and W. M. Smith. 1,957,664; May 8.
 Thermostatic control switch. A. Berteau. 1,951,920; Mar. 20.
 Thermostatic control system. R. E. Newell. 1,981,707; Nov. 20.
 Thermostatic detector. G. H. L. G. Bory. 1,972,257; Sept. 4.
 Thermostatic device. A. Herz. 1,956,067; Apr. 24.
 Thermostatic device. W. J. Smith. 1,969,240; Aug. 7.

- Thermostatic element. N. L. Derby. 1,983,269; Dec. 4.
 Thermostatic gas burner. E. J. Te Pas. 1,943,045; Jan. 9.
 Thermostatic gas control. H. W. Price. Re19,364; Nov. 6.
 Thermostatic generator. W. C. Lindemann, C. J. Weis, and A. T. Schmidt. 1,977,192; Oct. 16.
 Thermostatic mixing regulator. F. C. Leonard. 1,957,276; May 1.
 Thermostatic mixing valve. A. S. Walker. 1,954,903; Apr. 17.
 Thermostatic radiator valve. J. V. Giesler. 1,948,659; Feb. 27.
 Thermostatic regulator. E. L. Fonseca. 1,978,362; Oct. 23.
 Thermostatic relay. A. F. Masury. 1,941,704; Jan. 2.
 Thermostatic shutter control. C. E. Furgason. 1,948,910; Feb. 27.
 Thermostatic snap switch. W. O. Twombly. 1,978,065; Oct. 23.
 Thermostatic switch. F. E. Beebe. 1,972,675; Sept. 4.
 Thermostatic switch. F. S. Denison and D. G. Taylor. 1,941,540; Jan. 2.
 Thermostatic switch. B. E. Getchell. 1,983,076; Dec. 4.
 Thermostatic switch. W. B. Griffith. 1,945,808; Feb. 6.
 Thermostatic switch. W. G. Hartwig. 1,972,399; Sept. 4.
 Thermostatic switch. C. R. Laubenfels. 1,970,514; Aug. 14.
 Thermostatic switch. J. W. Pauling. 1,961,778; June 5.
 Thermostatic switch. T. A. Schaefer. 1,942,664; Jan. 9.
 Thermostatic switch. D. G. Taylor. 1,941,502; Jan. 2.
 Thermostatic switch. D. G. Taylor. 1,946,598; Feb. 13.
 Thermostatic switch. G. R. Townsend. 1,944,044; Jan. 16.
 Thermostatic switch. C. J. Werner. 1,981,933-4; Nov. 27.
 Thermostatic switch, Adjustable. B. E. Getchell. 1,983,077; Dec. 4.
 Thermostatic valve. R. J. Dougherty. 1,963,043; June 12.
 Thermostatic valve. J. J. Kenney. 1,980,624; Nov. 13.
 Thermostatic valve. E. J. Levy. 1,964,414; June 26.
 Thermostatic valve. J. A. Spencer. 1,963,633; June 19.
 Thermostatic valve. S. P. Vaughn. 1,977,656; Oct. 23.
 Thermostatically controlled heater. F. W. Birtch. Re19,212; June 19.
 Thermostatically controlled latch. A. O. Fischer. 1,950,843; Mar. 13.
 Thermostatically controlled signal. J. J. Ford. 1,980,194; Nov. 13.
 Thermostatically controlled valve. L. B. Green. 1,978,131; Oct. 23.
 Thermostatically operated valve. R. J. Dougherty. 1,947,431; Feb. 13.
 Thermostatically operated valve. L. W. Eggleston and J. Dillman. 1,981,313; Nov. 20.
 Thermostatically operative valve. R. J. Dougherty. 1,974,646; Sept. 25.
 Thermostats. Combined rate of rise and fixed temperature electric. E. A. Lowe. 1,959,591; May 22.
 Thiazole compound and producing the same. T. B. Johnson. 1,970,656; Aug. 21.
 Thiazoles, Preparing. R. F. Dunbrook. 1,960,205; May 22.
 Thickener. L. H. Logue. 1,962,646; June 12.
 Thickener. L. H. Logue and A. C. Daman. 1,960,707; May 29.
 Thigh sockets, Making. J. J. McCann. 1,953,421; Apr. 3.
 Thiourea, Preparation of. W. Schulenburg. 1,977,210; Oct. 16.
 Thongs of leather or other material, Machine for cutting or unrolling. H. H. Rozier. 1,942,365; Jan. 2.
 Thread, Apparatus for producing chenille. F. S. and J. K. Dudley. 1,970,365; Aug. 14.
 Thread, Apparatus for the manufacture of rubber. E. Hazell. 1,978,797; Oct. 30.
 Thread, Artificial. V. L. Bohannon and F. H. Swezey. 1,966,578; July 17.
 Thread carrier attachment. A. Friedmann. 1,960,670; May 29.
 Thread case for sewing machine loop-takers. G. A. Fleckenstein. 1,981,834; Nov. 20.
 Thread cleaner. W. T. Munson. 1,985,664; Dec. 25.
 Thread cleaner. E. W. Young. 1,955,784; Apr. 24.
 Thread cleaning device. A. J. Pirritano. 1,977,243; Oct. 16.
 Thread cop. R. N. Corthell. 1,968,478; July 31.
 Thread cop. L. L. Moore. 1,964,385; June 26.
 Thread cutting chaser. A. F. Breitenstein. 1,955,530; Apr. 17.
 Thread cutting device. W. O. Thewes. 1,956,182; Apr. 24.
 Thread cutting die. L. Nikoloff. 1,971,230; Aug. 21.
 Thread cutting machine. H. T. and D. O. Kimlin, and H. T. Kimlin, jr. 1,966,124; July 10.
 Thread cutting mechanism for box looms. W. J. Ingham and J. Larouche. 1,974,677; Sept. 25.
 Thread cutting mechanism for weft replenishing looms. A. A. Gordon. 1,970,743; Aug. 21.
 Thread cutting tool. A. J. Prance. 1,983,189-90; Dec. 4.
 Thread drawing device. N. Deutsch. 1,943,212; Jan. 9.
 Thread drawing machine. A. Thomas. 1,984,501; Dec. 18.
 Thread, Elastic. J. R. Gammeter. 1,982,208; Nov. 27.
 Thread, Elastic. G. S. Van Voorhis. 1,963,813; June 19.
 Thread extractor for weft replenishing looms. O. V. Payne. 1,979,764; Nov. 6.
 Thread gauge. S. Sonoda. 1,961,647; June 5.
 Thread grinding machine. O. E. Koehler. 1,958,105; May 8.
 Thread guide. M. J. McHale. 1,965,044; July 3.
 Thread guide and tension equalizer for spinning machines. L. W. Schaff. 1,965,471; July 3.
 Thread guide holder. R. Etzkorn. 1,959,158; May 15.
 Thread guides of work knitting machines, Supporting of. E. Kinsella, J. G. Pratt, and B. Kelsall. 1,969,754; Aug. 14.
 Thread holder for weft replenishing looms. O. V. Payne. 1,979,765; Nov. 6.
 Thread laying mechanism, Cross. J. P. and A. H. Weis. 1,961,270; June 5.
 Thread, Making covered elastic. W. A. Gibbons. 1,966,585; July 17.
 Thread, Making rubber. J. R. Gammeter. 1,943,381; Jan. 16.
 Thread, Manufacture of rubber. E. Hopkinson. 1,943,437-8; Jan. 16.
 Thread, Method and apparatus for manufacture of elastic. W. A. Gibbons. 1,971,445; Aug. 28.
 Thread, Method and apparatus for the manufacture of elastic. E. Hopkinson. 1,976,344; Oct. 9.
 Thread, Method and apparatus for the manufacture of rubber. E. Hazell. 1,978,796; Oct. 30.
 Thread, Method and apparatus for the manufacture of rubber. E. J. Joss. 1,976,348; Oct. 9.
 Thread, Method and apparatus for the manufacture of rubber. N. G. Madge and A. W. Keen. 1,978,803; Oct. 30.
 Thread moistening device. C. Pokora. 1,949,620; Mar. 6.
 Thread or spiral miller, Combination. A. Sarossy. 1,974,084; Sept. 18.
 Thread package. G. K. Anderson. 1,947,284; Feb. 13.
 Thread package. J. Cryan. 1,974,862; Sept. 25.
 Thread package or spool. E. J. Stewart. 1,968,101; July 31.
 Thread reel. G. Roelofs and J. Borggreve. 1,958,838; May 15.
 Thread rolling apparatus. C. Fassinger. 1,973,201; Sept. 11.
 Thread rolling die. R. Thomson. 1,961,257; June 5.
 Thread-severing mechanism. O. Kleinschmit. 1,983,465; Dec. 4.
 Thread, Sewing. O. W. Peterson. 1,979,343; Nov. 6.
 Thread spooling machine. J. W. Lubberhuizen. 1,971,077; Aug. 21.
 Thread supply and handling device. F. Ashworth. 1,983,161; Dec. 4.
 Thread supplying adjunct. R. N. Corthell. 1,949,144; Feb. 27.
 Thread system, Self locking. J. de R. Kiehlund. 1,946,860; Feb. 13.
 Thread tension device. G. Horn. 1,971,453; Aug. 28.
 Thread testing device, Extensible. E. A. Murphy and R. G. James. 1,962,023; June 5.
 Thread testing machine. B. H. Foster. 1,961,755; June 5.
 Thread-treating device. H. S. Toole and J. W. Mitchell. 1,981,885; Nov. 27.
 Thread under extension, for example in covering machines, Supplying. E. A. Murphy and R. G. James. 1,962,029; June 5.
 Thread waxing device and wax pot therefor. J. A. Fusaro. 1,969,552; Aug. 7.
 Thread, Winding artificial. F. Girardet. 1,976,220; Oct. 9.
 Threaded member and locking same, Adjustable. A. M. Thomson. 1,981,399; Nov. 20.
 Threading tool. J. Lamond. 1,961,003; May 29.
 Threadless pipe coupling. E. G. K. Anderson. 1,959,607; May 22.
 Threads and apparatus therefor, Manufacture of artificial silk or like. S. A. Welch. 1,959,452; May 22.
 Threads and machine therefor, Cutting. F. W. Brehmer. 1,978,248; Oct. 23.
 Threads and the like, Apparatus for the production of artificial. H. Hofmann. 1,947,159; Feb. 13.
 Threads and the like, Winding. R. Elssner. 1,985,603; Dec. 25.
 Threads, Apparatus for testing extensible. R. F. Lee and A. R. Bloxham. 1,962,020; June 5.
 Threads, Determining the evenness of textile. P. A. Schultz. 1,941,917; Jan. 2.
 Threads, Device for use in making. E. A. Murphy and W. G. Gorham. 1,951,029; Mar. 13.
 Threads from cuprammonium solution, Apparatus for the production of artificial. A. Zart and F. Hoelkeskamp. 1,979,925; Nov. 6.
 Threads, Manufacture of artificial. A. Friederich and P. Schlack. 1,984,472; Dec. 18.
 Threads of a stitched book or the like, Mechanism for automatically severing the terminal. O. Kleinschmidt and O. Müller. 1,961,422; June 5.
 Threads of textile material, Manufacture of. J. E. C. Bongrand and L. S. M. Lejeune. 1,964,658; June 26.
 Threads, Oiling textile. A. J. L. Moritz. 1,965,987; July 10.
 Threads or filaments, Manufacture of artificial. R. W. Payne and R. P. Roberts. 1,959,443; May 22.
 Threads or like filaments from aqueous dispersions of rubber or the like, Method and apparatus for forming. E. A. Murphy. 1,966,040; July 10.
 Threads or like products, Apparatus for the production of artificial. W. I. Taylor. 1,980,234; Nov. 13.
 Threads, Process and apparatus for preparing artificial. A. Formhals. 1,975,504; Oct. 2.

- Threads, Process of and apparatus for treating artificial. H. C. Stuhlmann and O. Weitermann. 1,971,627; Aug. 28.
- Threads, Producing artificial. H. H. Parker. 1,949,919; Mar. 6.
- Threads, Producing multicolored. P. Jacquet. 1,975,153; Oct. 2.
- Threads, Radio-active rubber. W. Grunzig and C. Baumgärtel. 1,980,519; Nov. 13.
- Threads, Treating artificial. T. F. Banigan. 1,979,929; Nov. 6.
- 3-carboxy-4-alkoxy-diphenyl and salts thereof. W. G. Christiansen and A. W. Harvey. 1,969,354; Aug. 7.
- 3-carboxy-4-alkoxy-4'-nitro diphenyl. W. G. Christiansen and A. W. Harvey. 1,969,355; Aug. 7.
- Three-cone bit. F. L. Scott and L. E. Garfield. 1,983,316; Dec. 4.
- 3,5 diacetoxy mercuri-4-nitro-guaiacol. E. A. Peterson. 1,974,506; Sept. 25.
- 3-hydroxyselenonaphthene, Manufacture of. W. Schneider. 1,949,815; Mar. 6.
- Three-legged divider. H. B. Hillier. 1,972,655; Sept. 4.
- 3-Menthone, Producing. W. Schoeller, E. Schwenk, and E. Borgwardt. 1,946,115; Feb. 6.
- 3,6 diamino 2-alkyl pyridine and producing the same. H. J. Schneiderwith. 1,979,351; Nov. 6.
- Thresher. E. E. Wickersham. 1,962,541; June 12.
- Thresher, Grain. C. C. Baldwin. 1,949,774; Mar. 6.
- Threshing apparatus with a vertical drum. A. Claas and W. G. Brenner. 1,969,639; Aug. 7.
- Threshing machine. L. R. Ewing and T. J. Mechling. 1,951,509; Mar. 20.
- Threshing machine. L. McDow. 1,949,725; Mar. 6.
- Threshing machine. R. Stein. 1,951,070; Mar. 13.
- Threshing machine and adjustable sieve. C. G. Johnson. 1,956,507; Apr. 24.
- Threshing machine, Axial. F. Schlayer. 1,977,149; Oct. 16.
- Threshold, Weatherstrip. E. D. Barringer. 1,966,402; July 10.
- Throttle. E. A. Robinson. 1,957,505; May 8.
- Throttle and choke control, Automatic. A. E. Backlund and F. A. Robertson. 1,976,429; Oct. 9.
- Throttle control for gear shift levers. W. F. Eisenbauer. 1,968,482; July 31.
- Throttle, Gas. C. R. Neal. 1,953,539; Apr. 3.
- Throttle valve and motive fluid connection for rock drills. J. C. Curtis. 1,968,375; July 31.
- Throttle valve, Balanced plug-type. F. Henneböhle. 1,970,888; Aug. 21.
- Throttle valve in the air suction pipe of combustion power machines. Device for adjusting the. A. Kreuzer. 1,962,448; June 12.
- Throttle valve, Quick closing. F. R. Ericson. 1,967,087; July 17.
- Throw-off mechanism for printing presses. A. and E. Kluge. 1,959,209; May 15.
- Thrust bearing. T. T. Garrison. 1,966,795; July 17.
- Thrust indicating device. W. H. Reichard. 1,984,318; Dec. 11.
- Thrust mechanism, Centrifugal variable. I. B. Laskowitz. 1,953,964; Apr. 10.
- Thrust plate for pumps. W. A. Patton. 1,972,632; Sept. 4.
- Thumb guard. W. R. Rasmussen and T. Ogden. 1,980,635; Nov. 13.
- Thymol, Making. W. J. Hund. 1,967,440; July 24.
- Thyratron equipment. W. A. Lewin and T. E. Jahnitz. 1,970,427; Aug. 14.
- Ticket. C. A. Flood. 1,980,577; Nov. 13.
- Ticket checking system, Admission. G. D. Roedels. 1,964,215; June 26.
- Ticket distributing system, Pneumatic. L. N. Hampton, R. W. Davis, and C. D. Richard. 1,982,805; Dec. 4.
- Ticket holder. C. O. Feddern. 1,941,979; Jan. 2.
- Ticket holder. C. O. Feddern. 1,978,574; Oct. 30.
- Ticket holding and shearing device. H. T. Krakau. 1,947,856; Feb. 20.
- Ticket issuing and change giving machine. L. Mangham and O. R. Cottrell. 1,943,025; Jan. 9.
- Ticket issuing machine. J. E. Fishburn and C. F. Webb. 1,945,218; Jan. 30.
- Ticket issuing machine for totalizers. R. N. Saxby. 1,983,247; Dec. 4.
- Ticket issuing machine, Totalizer. R. N. Saxby and S. R. Smith. 1,960,798; May 29.
- Ticket-printing and delivering scale, Coin-controlled gravity-operating. S. A. Rhodes and G. F. Hochriem. 1,973,780; Sept. 18.
- Ticket printing mechanism. H. Fredrickson. 1,961,821; June 5.
- Ticket printing register. C. H. Arnold. 1,959,296; May 15.
- Ticket protector, Automatic mutual. F. O. Guth. 1,976,612; Oct. 9.
- Ticket punching device. P. Demetrakopoulos. 1,963,263; June 19.
- Ticket receipt register, Duplicate. T. O'Connor and W. G. Orth. 1,960,918; May 29.
- Ticket scale. H. Koch. 1,969,466; Aug. 7.
- Tie. See Form tie.
- Tie. I. J. Du Bon. 1,942,089; Jan. 2.
- Tie. J. Rizzo. 1,949,583; Mar. 6.
- Tie and fastener, Metal railway. O. L. Chamness, R. B. Alfante, and T. I. Philpott. 1,959,855; May 22.
- Tie and making the same. A. J. Less. 1,972,594; Sept. 4.
- Tie-back holder. W. P. Simmons. 1,955,152; Apr. 17.
- Tie bar and seal for meter connections. H. B. Redding. 1,973,658; Sept. 11.
- Tie bracket. L. C. Piazza. 1,945,161; Jan. 30.
- Tie clamp. H. O. McMillan. 1,960,502; May 29.
- Tie construction and clasp therefor. S. Edelheit. 1,960,145; May 22.
- Tie holder. A. Molitor. 1,968,898; Aug. 7.
- Tie member for tandem pavers. E. L. Tranaas. 1,946,922; Feb. 13.
- Tie plate. E. H. Bell. 1,945,174; Jan. 30.
- Tie plate. E. H. Bell. 1,951,644; Mar. 20.
- Tieplate. F. A. Preston. 1,960,550; May 29.
- Tie plate. G. H. Werner. 1,982,239; Nov. 27.
- Tie plate and rail holder. J. Sutinen. 1,962,533; June 12.
- Tie plate, Railway. G. T. Willard. 1,949,363; Feb. 27.
- Tie plate, Railway. G. T. Willard. 1,971,927; Aug. 28.
- Tie rack. A. Falk. Des. 91,319; Jan. 9.
- Tie rack. C. W. Giessler. 1,975,543; Oct. 2.
- Tie rack. J. Lester. 1,957,177; May 1.
- Tie rack. G. D. Spragg. Des. 93,143; Aug. 21.
- Tie rod end construction. J. R. Stence. 1,985,354; Dec. 25.
- Tie spacing bar. H. A. Nichols. 1,957,147; May 1.
- Tie spacing device. F. J. Jakoubek. 1,955,548; Apr. 17.
- Tie structure, Metallic. W. Stiefel. 1,945,925; Feb. 6.
- Tie, Tile. H. A. Taylor, sr. 1,974,372; Sept. 18.
- Tie, Wire bale. G. E. Gaus. 1,963,359; June 19.
- Tie, wire tightening and twisting device. L. M. Van Slyke. 1,970,924; Aug. 21.
- Tightening device for type. R. Strahm. 1,969,825; Aug. 14.
- Tightening support for water pumps. F. P. Madress and M. M. Counterman. 1,951,283; Mar. 13.
- Tile. W. W. Kellogg. Des. 91,883-5; Apr. 3.
- Tile. G. F. Mattman. 1,970,759; Aug. 21.
- Tile. R. T. McMullen. 1,952,814; Mar. 27.
- Tile, Acid-proof. J. Lessnig. 1,961,613; June 5.
- Tile, Acoustic. V. Jacobson. 1,953,410; Apr. 3.
- Tile, Acoustic. M. H. Kliefoth. 1,976,946; Oct. 16.
- Tile anchoring clip. O. Walter. 1,975,304; Oct. 2.
- Tile and manufacturing the same, Acoustic. M. H. Kliefoth. 1,966,069; July 10.
- Tile and similar articles, Apparatus for decorating. L. V. Casto. 1,965,573-4; July 10.
- Tile block and floor construction, Hollow. F. A. Holby. 1,955,498; Apr. 17.
- Tile board and manufacturing same. R. Ericson. 1,943,663; Jan. 16.
- Tile, Building. A. J. Mueller. 1,962,906; June 12.
- Tile building construction. W. H. Smith. 1,946,180; Feb. 6.
- Tile composition. R. D. Bonney and J. F. Maguire. 1,985,201; Dec. 18.
- Tile composition. A. Schneider. 1,970,921; Aug. 21.
- Tile, Cooling composition. G. P. Heppes. 1,942,060; Jan. 2.
- Tile fastening clip. R. H. Stitt. 1,972,058; Aug. 28.
- Tile fastening, Wall. A. W. Nelson. 1,966,041; July 10.
- Tile, Fireproof building block. C. B. Spicer. 1,983,712; Dec. 11.
- Tile, Forming roofing. J. W. Pemberton and R. B. Keeler. 1,972,312; Sept. 4.
- Tile, Method and apparatus of forming. T. F. Mooney. 1,973,092; Sept. 11.
- Tile or blocks to walls, Attaching. H. S. Williams. 1,982,560; Nov. 27.
- Tile panel fabricating mold. H. Bartels. 1,968,189; July 31.
- Tile, Refractory. C. A. Hahn and F. L. Hall. 1,962,738; June 12.
- Tile roof. H. D. Brown. 1,967,764; July 24.
- Tile, Roof. J. Ferreira and A. da Costa. 1,982,206; Nov. 27.
- Tile, Truss. A. H. Farrens. 1,945,681; Feb. 6.
- Tile width or length measuring and marking machine. J. A. Bower. 1,948,782; Feb. 27.
- Tiled construction. G. D. Haines. 1,946,690; Feb. 13.
- Tiling, Metal. A. C. Bretland. 1,980,906; Nov. 13.
- Tilt and panning head for motion picture camera tripods. H. G. Jennings, L. L. Mellor, W. F. Rudolph, and A. Smith. 1,971,486; Aug. 28.
- Tilting device, especially for tilting the bodies of motor vehicles, Hydraulic. O. Ballert. 1,963,286; June 19.
- Tilting device for trucks, Hydraulic. O. Ballert. 1,963,287; June 19.
- Tilting device for Venetian blinds. E. Weisfeld. 1,952,739; Mar. 27.
- Tilting mechanism for dump cars. E. Haugen. 1,957,583; May 8.
- Timber and other materials, Drying of. C. Goodall. 1,964,115; June 26.
- Timber hoist. T. Jones. 1,958,824; May 15.
- Timber piling. H. T. Ebner. 1,949,680; Mar. 6.
- Time alarm. H. J. Nelson and B. S. Franklin. 1,955,558; Apr. 17.
- Time control system for radio receiving apparatus, Automatic. K. Purdy. 1,948,672; Feb. 27.
- Time-controlled apparatus. A. R. Harmon. 1,958,663-4; May 15.
- Time controlled mechanism. J. J. Noeth and F. E. Hummel. 1,954,022; Apr. 10.
- Time controlled switch. L. Dekany. 1,941,828; Jan. 2.
- Time controlled switch. O. Torigliani. 1,970,066; Aug. 14.

- Time element electroresponsive device. C. Hatay. 1,964,574; June 26.
- Time indicating device. A. E. Freel. 1,981,997; Nov. 27.
- Time indicator. D. S. Grant. 1,975,100; Oct. 2.
- Time instrument. E. L. Carlson. 1,957,693; May 8.
- Time-instrument resetting-mechanism. A. B. Poole. 1,960,508; May 29.
- Time interval indicating device. J. A. Slee. 1,970,982; Aug. 21.
- Time interval indicator. H. Heyssler. 1,942,754; Jan. 9.
- Time limit contactor. W. Schaelchlin and E. Frisch. 1,979,709; Nov. 6.
- Time lock. C. A. Miller. 1,962,933; June 12.
- Time measuring instrument. G. Thornton-Norris. 1,967,157; July 17.
- Time mechanism for operating electric switches or the like. W. Sellin. 1,953,511; Apr. 3.
- Time meter. C. Battagay. 1,945,990; Feb. 6.
- Time movement, Mechanical. O. P. Bailor. 1,950,647; Mar. 13.
- Time period control device. R. P. De Vries. 1,984,302; Dec. 11.
- Time piece. J. Pejchar. 1,950,189; Mar. 6.
- Timepiece. E. T. Turney. 1,943,046; Jan. 9.
- Timepiece, Electric. S. C. Cook. 1,969,876; Aug. 14.
- Time piece movement. S. E. Kochendarfer. 1,981,110; Nov. 20.
- Timepiece, Self-winding. H. Aegler. 1,981,297; Nov. 2.
- Time recorder. J. W. Bryce. 1,946,896; Feb. 13.
- Time recorder. V. O. Sturtevant. 1,965,969; July 10.
- Time recorder, Synchronous motor job. A. L. Denniston. 1,979,319; Nov. 6.
- Time recorder system. A. L. Denniston. 1,979,818; Nov. 6.
- Time recording appartus. N. A. Whittaker. 1,964,409; June 26.
- Time relay for power control. H. L. Van Valkenburg. 1,952,299; Mar. 27.
- Time service system. G. D. and D. H. Myers. 1,967,778; July 24.
- Time switch. F. Lux. 1,951,027; Mar. 13.
- Time switch. W. G. Snyder, jr. 1,977,296; Oct. 16.
- Time switch. G. R. Townsend. 1,942,074; Jan. 2.
- Time switch, Automatic controlled electric. A. R. Thayer. 1,971,799; Aug. 28.
- Time switch device. A. W. Vingerhoets. 1,980,146; Nov. 6.
- Timed service device, Coin controlled. T. A. Isele. 1,975,461; Oct. 2.
- Timer. J. W. Anderson. 1,952,349; Mar. 27.
- Timer. L. J. Armstrong. 1,946,380; Feb. 6.
- Timer. D. L. Bacon. 1,955,402; Apr. 17.
- Timer. W. E. Garity. 1,964,909; July 3.
- Timer. C. D. Geer. 1,968,138; July 31.
- Timer and system. E. D. Stirlen and C. D. Geer. 1,945,091; Jan. 30.
- Timer for controlling work circuits, Cycle. H. J. Brandenburger. 1,973,603; Sept. 11.
- Timer for internal combustion engines. L. Beeh and W. E. Schwarzmann. 1,968,433; July 31.
- Timer for internal combustion engines. J. F. Martin. 1,978,162; Oct. 23.
- Timer for traffic systems. C. A. Glock. 1,952,371; Mar. 27.
- Timer, Interval. G. Browning. 1,975,347; Oct. 2.
- Timer, Multiple action interval. R. D. Smith. 1,967,270; July 24.
- Timer, Plural action interval. R. D. Smith. 1,979,293; Nov. 6.
- Timer, Short interval. H. W. Lord. 1,946,290; Feb. 6.
- Timing axis for cathode ray oscillograph. P. L. Hoover and E. D. Kennedy. 1,978,461; Oct. 30.
- Timing control device. E. Roberts. 1,956,539; Apr. 24.
- Timing control for synchronized power transmissions. E. A. Thompson. 1,950,639; Mar. 13.
- Timing control system. G. A. Kohout. 1,950,114; Mar. 6.
- Timing device. R. W. Goff and W. J. Fleming. 1,967,880; July 24.
- Timing device. C. H. Hodgkins. 1,948,758; Feb. 27.
- Timing device. A. J. Kercher. 1,963,495; June 19.
- Timing device, Electrically operated. C. Fayer. 1,972,334; Sept. 4.
- Timing device for brushing operations. J. F. Plants. 1,973,390; Sept. 11.
- Timing devices, Apparatus for calibrating. D. A. Young. 1,953,148; Apr. 3.
- Timing mechanism. L. C. Irwin. 1,968,398; July 31.
- Timing mechanism. F. Lux. 1,952,763; Mar. 27.
- Timing mechanism. R. D. Smith. 1,965,300; July 3.
- Timing switch for traffic signals, Automatic. C. H. Bissell. 1,969,293; Aug. 7.
- Timing system. E. A. Speakman. 1,950,273; Mar. 6.
- Timing valve. R. F. Ringle. 1,956,962; May 1.
- Tin and other container and sealing the same, Hermetically sealed. D. S. Richardson. 1,982,883; Dec. 4.
- Tin from residues, Recovering. T. A. Mitchell. 1,961,065; May 29.
- Tin oxide, Producing. E. Feldmann. 1,968,933; Aug. 7.
- Tin, Refining hard. W. R. Hibbard and E. T. Candee. 1,964,948; July 3.
- Tinned material, Manufacture of bright finish. T. D. Williams and H. C. Ralston. 1,974,480; Sept. 25.
- Tinsel skein packaging. R. T. Frey. 1,957,256; May 1.
- Tints on wool, Obtaining fast. A. Landolt. 1,949,801; Mar. 6.
- Tip for cigarettes. H. Hill. 1,959,717; May 22.
- Tip for cutting torches. A. J. and I. F. Fausek. 1,955,120; Apr. 17.
- Tip-up for fishing through ice. P. Covich. 1,980,255; Nov. 13.
- Tipple. W. L. Davis. 1,973,163; Sept. 11.
- Tire. E. H. Borsuch. Des. 91,777; Mar. 20.
- Tire. A. E. Caldwell. Des. 94,019; Dec. 11.
- Tire. L. L. Clayton. Des. 93,206; Sept. 4.
- Tire. M. J. Flynn. Des. 91,484-5; Feb. 13.
- Tire. E. O. Fritch. Des. 92,716; July 10.
- Tire. E. O. Fritch. Des. 92,840; July 24.
- Tire. J. J. Hruska. 1,946,622; Feb. 13.
- Tire. K. B. James. Des. 91,322; Jan. 9.
- Tire. W. J. Lee. Des. 93,775; Nov. 6.
- Tire. C. G. Miller. Des. 92,417-18; June 5.
- Tire. C. G. Miller. Des. 92,484; June 12.
- Tire. C. F. Offensend. Des. 91,536; Feb. 20.
- Tire. S. P. Thacher. Des. 92,047; Apr. 17.
- Tire. E. E. Wickstrom. Des. 92,938; July 31.
- Tire, Airless auto. G. C. Craig. 1,959,571; May 22.
- Tire and making same, Pneumatic. R. W. Sohl. 1,966,397; July 10.
- Tire and tube repair unit. E. J. Pilblad and E. Fetter. 1,983,705; Dec. 11.
- Tire and wheel carrier, Spare. G. Mueller. 1,983,767; Dec. 11.
- Tire, Automobile. H. C. Hower. Des. 92,401; June 5.
- Tire band. W. B. Rood. 1,979,575; Nov. 6.
- Tire head. W. G. Lerch. 1,943,272-5; Jan. 9.
- Tire head and making the same. A. O. Abbott, jr. 1,981,893; Nov. 27.
- Tire head and making tires. J. C. Warden. 1,969,438; Aug. 7.
- Tire building apparatus. F. J. Shook. 1,957,981; May 8.
- Tire building apparatus. H. D. Stevens. 1,970,780; Aug. 21.
- Tire building core. G. W. Anderson. 1,954,764; Apr. 10.
- Tire building drum. C. E. Maynard. 1,949,752; Mar. 6.
- Tire building machine. H. A. Denmire. 1,966,541; July 17.
- Tire carrier. F. G. Alborn. 1,947,820; Feb. 20.
- Tire carrier, Fender well. E. P. Gundry. 1,973,853; Sept. 18.
- Tire carrier for extension trunks. F. B. Bradford. 1,974,599; Sept. 25.
- Tire casing. B. R. Prall. Des. 91,901; Apr. 3.
- Tire casings, Apparatus for manufacturing. E. Hopkinson. 1,980,203; Nov. 13.
- Tire casings for vulcanization, Preparing. C. E. Bittaker. 1,942,797; Jan. 9.
- Tire casings, Manufacture of pneumatic. C. H. Desautels. 1,982,860; Dec. 4.
- Tire chain. A. R. Dobbs. 1,968,811; Aug. 7.
- Tire chain. M. Gentzler. 1,981,726; Nov. 20.
- Tire chain. J. Senft. 1,976,527; Oct. 9.
- Tire chain applier, Mechanical. L. I. Legg. 1,951,761; Mar. 20.
- Tire chain applying and removing mechanism. D. E. Thomas. 1,981,291; Nov. 20.
- Tire chain tightening device. B. R. Funk. 1,969,602; Aug. 7.
- Tire changer stand. F. A. Holford and A. H. Jensen. 1,978,673; Oct. 30.
- Tire changing device. M. M. Usadel. 1,918,763; Nov. 20.
- Tire changing machine. R. L. Raby and J. A. McKay. 1,966,766; July 17.
- Tire changing machine, Automobile. R. S. Stafford and J. Schrag. 1,948,434; Feb. 20.
- Tire-changing stand. A. P. Hassett. 1,975,148; Oct. 2.
- Tire construction. S. F. Lawrence. 1,976,235; Oct. 9.
- Tire construction for track circuit shunting, Resilient. H. S. Loomis. 1,945,283; Jan. 30.
- Tire construction, Pneumatic. A. S. Diack. 1,979,371; Nov. 6.
- Tire construction, Pneumatic. C. D. Smith. 1,972,820; Sept. 4.
- Tire cover. H. S. Jandus. 1,985,413; Dec. 25.
- Tire cover. G. A. Lyon. 1,946,168; Feb. 6.
- Tire cover. G. A. Lyon. 1,946,326; Feb. 6.
- Tire cover. G. A. Lyon. 1,965,529; July 3.
- Tire cover. C. H. Nehls. 1,963,143; June 19.
- Tire cover. C. W. Ryerson. 1,969,330; Aug. 7.
- Tire cover. B. M. Short and H. S. Jandus. 1,985,429; Dec. 25.
- Tire cover. B. Wengard. 1,967,522; July 24.
- Tire cover. O. U. Zerk. 1,947,144-5; Feb. 13.
- Tire cover and lock. H. S. Jandus. 1,975,948; Oct. 9.
- Tire cover and lock. L. H. Reed. 1,976,038; Oct. 9.
- Tire cover and luggage carrier, Combination. G. A. Lyon. 1,941,564; Jan. 2.
- Tire cover and mounting for spare wheels. G. A. Lyon. 1,955,710; Apr. 17.
- Tire cover construction, Spare. G. A. Lyon. 1,980,690; Nov. 13.
- Tire cover lock. F. A. Smith. 1,956,181; Apr. 24.
- Tire cover, Nonskid. J. J. Dineen. 1,950,048; Mar. 6.
- Tire cover rims, Method of and apparatus for forming and cutting. G. A. Lyon. 1,951,800; Mar. 20.
- Tire cover rims, Method of and apparatus for forming and finishing. G. A. Lyon. 1,951,801; Mar. 20.
- Tire cover, Single piece metal. G. A. Lyon. 1,965,532; July 3.
- Tire cover structure, Forming. G. A. Lyon. 1,971,161; Aug. 21.
- Tire covers, Making corrugated shove-down. G. A. Lyon. 1,965,531; July 3.

- Tire curing bag. C. M. Semler. 1,963,871; June 19.
 Tire curing mold, Bagless. S. G. Back. 1,972,816; Sept. 4.
 Tire deflation indicator. G. E. Denhart. 1,947,760; Feb. 20.
 Tire deflation indicator. G. B. Willcox. 1,974,906; Sept. 25.
 Tire deflation indicator switch. C. N. Johnston. 1,956,578; May 1.
 Tire display rack. N. E. McLaughlin. Des. 92,971; Aug. 7.
 Tire, Elastic. J. V. Martin. 1,954,214; Apr. 10.
 Tire expander. H. J. Schumacher. 1,964,602; June 26.
 Tire for mine locomotive wheels. G. L. Micheal. 1,963,859; June 19.
 Tire for motor vehicles, Antiskid. M. Mucklich. 1,983,238; Dec. 4.
 Tire gauge. L. Mastrangel. 1,946,224; Feb. 6.
 Tire groover. W. F. Errig and G. M. Pfundt. 1,975,930; Oct. 9.
 Tire grooving device, Electric. L. D. Tueth. 1,955,395; Apr. 17.
 Tire inflation indicator. G. B. Rodney. 1,984,084; Dec. 11.
 Tire jack. J. J. Appel. 1,957,126; May 1.
 Tire machine bead setter. H. C. Bostwick. 1,952,905; Mar. 27.
 Tire machine strip-feeding apparatus. H. C. Bostwick. 1,966,087; July 10.
 Tire mold. G. W. Bungay. 1,943,947; Jan. 16.
 Tire, Multiple chamber. C. G. J. Briquet and A. E. Dmitrieff. 1,957,384; May 1.
 Tire numbering disk, Electric. A. C. Flothow. 1,956,016; Apr. 24.
 Tire or similar article. W. C. Althen. Des. 92,383; June 5.
 Tire or similar article. J. F. Jones. Des. 91,323; Jan. 9.
 Tire or similar article. R. E. Otterman. Des. 91,996; Apr. 3.
 Tire painting and trimming machine. W. J. Strong. 1,983,684; Dec. 11.
 Tire, Pneumatic. P. Daddio. 1,982,135; Nov. 27.
 Tire, Pneumatic. L. C. Mills. 1,955,711; Apr. 17.
 Tire, Pneumatic. J. Truppe and C. Buhlman. 1,954,505; Apr. 10.
 Tire pressure indicator. J. McClure. 1,970,468; Aug. 14.
 Tire pressure indicator, Electrical. P. E. Taylor. 1,954,153; Apr. 10.
 Tire, Resilient. C. Krauch and M. Mueller-Cunradi. 1,979,947; Nov. 6.
 Tire rim. G. E. Sanders. 1,953,267; Apr. 3.
 Tire rim. S. F. Thacher. 1,949,501; Mar. 6.
 Tire rim. H. Thompson. 1,953,278; Apr. 3.
 Tire rimming tool. W. Leonard. 1,969,807; Aug. 14.
 Tire, Safety automobile. A. E. Dietz. 1,982,861; Dec. 4.
 Tire shaping and air bag inserting machine and method. B. De Mattia. 1,964,844; July 3.
 Tire shaping apparatus. A. O. Abbott, jr. 1,949,443; Mar. 6.
 Tire shaping machine. A. O. Abbott, jr. 1,961,727; June 5.
 Tire, Shock absorbing. J. B. Ford. 1,962,143; June 12.
 Tire skate, Automobile. C. W. Zehnbauser. 1,970,159; Aug. 14.
 Tire spreader. C. W. King. 1,959,431; May 22.
 Tire spreader. H. A. Sorum. 1,954,300; Apr. 10.
 Tire spreader. C. E. Wood. 1,954,031; Apr. 10.
 Tire spreader, Automatic. C. E. Branick. 1,943,784; Jan. 16.
 Tire tool. M. A. Gibson. 1,974,021; Sept. 18.
 Tire tool. H. G. Hand. 1,983,608; Dec. 11.
 Tire tool. M. M. Lory. 1,946,912; Feb. 13.
 Tire tread burner. H. F. Maranville. 1,981,808; Nov. 20.
 Tire tread construction, Automobile rubber. H. R. Straight. 1,946,367; Feb. 6.
 Tire tread splitting apparatus. G. F. Connelly. 1,945,883; Feb. 6.
 Tire tubes, Producing punctureproof. J. R. Crossan. 1,959,460; May 22.
 Tire valve. J. D. Lear. 1,969,224-5; Aug. 7.
 Tire valve. G. V. D. Smith. 1,968,965; Aug. 7.
 Tire valve cap. G. A. Morris. 1,946,806; Feb. 13.
 Tire valve stem cap. E. J. Dowden. 1,961,035; May 29.
 Tire, Vehicle. G. W. Anderson. Des. 92,281; May 22.
 Tire, Vehicle. G. W. Anderson. Des. 92,569; June 26.
 Tire, Vehicle. H. Brett. Des. 91,859; Apr. 3.
 Tire, Vehicle. H. Brett. Des. 92,450; June 12.
 Tire, Vehicle. E. O. Fritch. Des. 91,931; Apr. 10.
 Tire, Vehicle. A. Miller. 1,985,187; Dec. 18.
 Tire, Vehicle. C. B. Orr. 1,948,311; Feb. 20.
 Tire, Vehicle. G. Vidale. Des. 92,050; Apr. 17.
 Tire vulcanizing mold. J. O. Goodwin. 1,951,974; Mar. 20.
 Tire, Wheel. S. V. Fullaway. 1,964,908; July 3.
 Tire wheel lifting apparatus and the like, Portable. W. Hendry. 1,964,119; June 26.
 Tires and inserting air bags therein, Apparatus for and method of shaping. G. B. Nichols. 1,956,131; Apr. 24.
 Tires and the like, Apparatus for the vulcanization of rubber. J. R. Stricklen and S. A. Fraine. 1,984,818; Dec. 18.
 Tires, Apparatus and process for the manufacture of pneumatic. W. L. Avery. 1,980,567; Nov. 13.
 Tires, Apparatus for and process of forming resilient. H. Thorburn. 1,945,098; Jan. 30.
 Tires, Apparatus for manufacturing. A. O. Abbott, jr. 1,961,725; June 5.
 Tires, Apparatus for testing. A. O. Abbott, jr. 1,961,726; June 5.
 Tires, Constructing pneumatic. A. H. Shoemaker. 1,977,018; Oct. 16.
 Tires, Device for grooving. C. A. Kunkel. 1,961,499; June 5.
 Tires, Diminishing traction and riding noise in. R. D. Evans. 1,956,011; Apr. 24.
 Tires, Making. W. J. Fraser. 1,954,926; Apr. 17.
 Tires, Making. G. D. Mallory. 1,963,370; June 19.
 Tires, Manufacturing. A. O. Abbott, jr. 1,944,389; Jan. 23.
 Tires, Manufacturing and reclaiming. S. Ginsberg. 1,965,073; July 3.
 Tires, Method and apparatus for building. F. J. Shook. 1,981,828; Nov. 20.
 Tires, Method and apparatus for forming. V. B. Gay. 1,947,258; Feb. 13.
 Tires, Method and apparatus for making. J. T. Maney. 1,960,822; May 29.
 Tires, Method and apparatus for manufacturing. A. O. Abbott. 1,960,427; May 29.
 Tires, Method and apparatus for manufacturing. C. A. Ostling and J. J. McEwan. 1,964,363; June 26.
 Tires, Mounting. A. W. Bull. 1,966,580; July 17.
 Tires, Production of. C. Krauch and M. Mueller-Cunradi. 1,979,946; Nov. 6.
 Tires, Repairing. J. C. Heintz. 1,975,149; Oct. 2.
 Tires, Retreading. C. H. Dacon and V. Stults. 1,953,750; Apr. 3.
 Tissue container. C. A. MacGregor. 1,952,382; Mar. 27.
 Tissue filler. E. H. Haabestad. Re19,099; Mar. 6.
 Tissue for cigarettes. J. E. Brandenberger. 1,983,530; Dec. 11.
 Titaniferous solutions, Hydrolyzing. B. D. Saklatwalla and H. E. Dunn. 1,959,765; May 22.
 Titanium compounds, Precipitating. W. J. Cauwenberg. 1,957,528; May 8.
 Titanium compounds, Preparation of. W. B. Llewellyn and H. Spence. 1,980,812; Nov. 13.
 Titanium dioxide, Making. B. D. Saklatwalla, H. E. Dunn, and A. E. Marshall. 1,978,228; Oct. 23.
 Titanium phosphate pigment and process of making. B. D. Saklatwalla, H. E. Dunn, and A. E. Marshall. 1,953,777; Apr. 3.
 Titanium white, Making. H. W. Richter. 1,947,226; Feb. 13.
 Title card holder. A. A. Knee and P. B. Eaton. 1,945,321; Jan. 30.
 Toast holder. F. L. Wooddell. 1,981,016; Nov. 20.
 Toaster. C. E. Beardsley. 1,948,693; Feb. 27.
 Toaster. F. Bendix and M. Bloch. 1,948,978; Feb. 27.
 Toaster. H. L. Blum. 1,982,631; Dec. 4.
 Toaster. R. W. Bond and O. A. Hokanson. 1,982,494; Nov. 27.
 Toaster. T. E. Fajen. 1,969,361; Aug. 7.
 Toaster. A. O. Hurxthal and G. M. Biddinger. 1,957,343; May 1.
 Toaster. F. Kuhn and L. H. Thomas. 1,949,124; Feb. 27.
 Toaster. J. Pavelka. 1,951,667; Mar. 20.
 Toaster. W. A. Penticost. Des. 93,128; Aug. 21.
 Toaster. F. E. Wolcott and L. V. Lucia. 1,948,739; Feb. 27.
 Toaster. E. Worthington. Des. 93,903; Nov. 20.
 Toaster appliance, Electric. E. S. Johnson. 1,963,409; June 19.
 Toaster, Automatic. M. H. Graham. 1,984,063; Dec. 11.
 Toaster, Automatic. M. W. McArdle. 1,973,175; Sept. 11.
 Toaster, Automatic. C. A. Schallis. 1,979,845; Nov. 6.
 Toaster, Automatically controlled electric. E. Walder. 1,971,058; Aug. 21.
 Toaster device. A. B. Starr. 1,944,473; Jan. 23.
 Toaster device. A. B. Starr. 1,949,361; Feb. 27.
 Toaster, Downward feed time control. R. W. Shenton. 1,954,895; Apr. 17.
 Toaster, Electric. J. F. Barnes and J. O. Reinecke. Des. 91,978; Apr. 17.
 Toaster, Electric. A. E. Reimers and W. K. Tavender. 1,957,227; May 1.
 Toaster, Electric. J. E. Smith. 1,963,924; June 19.
 Toaster for bread and the like. G. L. Lawrence. 1,967,209; July 17.
 Toaster or like article. S. O. Carlson. Des. 92,062; Apr. 24.
 Toaster, Sandwich. K. E. Bemis. 1,978,735; Oct. 30.
 Toasting and cooking apparatus. J. C. Wilkie and N. R. T. McLean. 1,955,867; Apr. 24.
 Tobacco. W. A. Whitaker. 1,954,109; Apr. 10.
 Tobacco and similar materials, Conditioning of. G. D. Harris. 1,971,405; Aug. 28.
 Tobacco and similar materials with conditioned gas, Treatment of. G. D. Harris. 1,961,687; June 5.
 Tobacco and the like, Art and apparatus for treating. F. S. Smith. 1,952,781; Mar. 27.
 Tobacco, Apparatus for conveying cut. C. W. Müller. 1,984,980; Dec. 18.
 Tobacco, Apparatus for hanging. G. D. Harris. 1,942,893; Jan. 9.
 Tobacco, Apparatus for hanging. G. D. Harris. 1,951,930; Mar. 20.
 Tobacco article holder. G. N. Polymeros. 1,976,890; Oct. 16.
 Tobacco articles, Production of. G. Davidson. 1,963,076; June 19.

- Tobacco box. O. P. Fisher. 1,946,845; Feb. 13.
 Tobacco can. L. G. Allen. 1,958,323; May 8.
 Tobacco can. D. Baden. 1,964,718; July 3.
 Tobacco can. W. H. G. Murray. 1,982,446; Nov. 27.
 Tobacco can. P. J. Shelton. 1,972,801; Sept. 4.
 Tobacco, Casing. G. D. Harris. 1,975,718; Oct. 2.
 Tobacco, Denicotinizing. L. M. Lippmann. 1,983,908; Dec. 11.
 Tobacco feed, Electric. W. J. Hawkins. 1,977,991; Oct. 23.
 Tobacco feed for making dense-end cigarettes. C. Arelt. 1,968,018; July 31.
 Tobacco feeding apparatus. W. F. Schneider. 1,952,336; Mar. 27.
 Tobacco feeding mechanism of cigarette-making machines. R. J. A. Chandler. 1,977,984; Oct. 23.
 Tobacco for a tobacco cutting machine, Device for preparing raw. W. F. Schneider. 1,943,149; Jan. 9.
 Tobacco free from nicotine, Preparing. L. Frank. 1,949,012; Feb. 27.
 Tobacco handling machine. J. F. Perkinson. 1,957,727; May 8.
 Tobacco hanger. G. D. Harris. 1,972,773; Sept. 4.
 Tobacco in the spreader of a cigarette-making machine, Apparatus for the uniform distribution of. A. H. Klux. 1,979,624; Nov. 6.
 Tobacco leaf stemming and handling mechanism. R. E. Rundell and G. E. Haquist. 1,981,470; Nov. 20.
 Tobacco leaf, Treating. S. Z. Rapeanu. 1,958,863; May 15.
 Tobacco, Method and container for packaging. F. A. Prahl. 1,974,995; Sept. 25.
 Tobacco pipe. A. B. Cresap and V. C. Hall. 1,974,104; Sept. 18.
 Tobacco pipe. M. Dexter. 1,985,365; Dec. 25.
 Tobacco pipe. P. Ehorn. 1,949,932; Mar. 6.
 Tobacco pipe. H. Gamache and H. Hance. 1,983,360; Dec. 4.
 Tobacco pipe. N. Gold. Des. 93,342; Sept. 18.
 Tobacco pipe. S. J. Harris. 1,976,496; Oct. 9.
 Tobacco pipe. W. Hendrikx. 1,952,862; Mar. 27.
 Tobacco pipe. B. A. Johnston. 1,955,747; Apr. 24.
 Tobacco pipe. E. Kretzner. 1,957,143; May 1.
 Tobacco pipe. E. H. McArdle. 1,970,386; Aug. 14.
 Tobacco pipe. M. Mikesh. 1,960,749; May 29.
 Tobacco pipe. R. H. Moore and J. Federy. 1,965,107; July 3.
 Tobacco pipe. H. Y. Nutt. 1,970,896; Aug. 21.
 Tobacco press. F. M. Hayes. 1,985,448; Dec. 25.
 Tobacco press. H. P. Taylor. 1,985,626; Dec. 25.
 Tobacco, Smoking. S. S. Sadtler. 1,985,840; Dec. 25.
 Tobacco smoking appliance. R. L. Spragins. 1,977,249; Oct. 16.
 Tobacco stemming machine. R. E. Rundell. 1,968,098; July 31.
 Tobacco stems, Shredding. J. C. Kinker, jr. 1,968,403; July 31.
 Tobacco stick. J. H. Combs. 1,954,725; Apr. 10.
 Tobacco stringing lath holder. E. Wilkenson. 1,941,728; Jan. 2.
 Tobacco, Treating. W. A. Rooker. 1,961,866; June 5.
 Tobacco treating method. G. D. Harris. 1,975,719; Oct. 2.
 Tobacco, Treatment of. H. Sharlit. 1,972,718; Sept. 4.
 Toe cap for roller skates, Adjustable. H. K. Browning. 1,970,542; Aug. 21.
 Toggle clip. I. M. Jones. 1,949,123; Feb. 27.
 Toggle clip. I. M. Jones. 1,969,013; Aug. 7.
 Toggle molding press. J. W. Brundage. 1,976,833; Oct. 16.
 Toilet accessory. T. E. Hauser and P. F. Reichert. 1,979,542; Nov. 6.
 Toilet accessory container. J. S. Lindemann. Des. 92,185; May 8.
 Toilet accessory container. C. Martin. Des. 91,835; Mar. 27.
 Toilet accessory container. V. Vivaudou. Des. 92,786; July 10.
 Toilet and chamber therefor, Child's traveling case. E. V. Isom. 1,947,940; Feb. 20.
 Toilet apparatus. M. G. Gold and D. A. Moritz. 1,944,077; Jan. 16.
 Toilet apparatus. J. Moore. 1,948,182; Feb. 20.
 Toilet article. A. F. Reilly. 1,977,591; Oct. 16.
 Toilet paper holder. M. Reynolds. Des. 91,282; Jan. 2.
 Toilet paper pack. W. Fairchild. 1,958,190; May 8.
 Toilet seat. S. G. Zuckerman. 1,950,016; Mar. 6.
 Toilet seat, Child's folding. E. Mayette. 1,951,621; Mar. 20.
 Toilet seat, Child's folding. H. E. McCandless. 1,958,276; May 8.
 Toilet seat cover. A. Nelson. 1,979,634; Nov. 6.
 Toilet seat guard dispenser. C. D. Morton. 1,961,704; June 5.
 Toilet seat hinge. V. W. Campbell. Des. 93,538; Oct. 9.
 Toilet sheet, Folded. G. Carruthers. 1,961,195; June 5.
 Toilet valve. H. N. Wayne. 1,947,627; Feb. 20.
 Toilet, Ventilated. J. H. Etter. 1,979,736; Nov. 6.
 Tokens, Device for delivering. J. R. Goggins. 1,979,613; Nov. 6.
 Tomato coring machine. C. H. Ayars. 1,982,779; Dec. 4.
 Tomato juice, Producing. A. E. Hansen. 1,956,615; May 1.
 Tomato peeling machine. V. Carpentieri. 1,976,710; Oct. 16.
 Tomato products, Producing. E. C. Eberts. 1,978,078; Oct. 23.
 Tomatoes, etc., Apparatus for treating. E. C. Eberts. 1,963,737; June 19.
 Tomb. J. G. Bauer. 1,961,999; June 5.
 Tone-arm for electric phonographs. M. Zeh. 1,976,470; Oct. 9.
 Tone control. J. G. Aceves. 1,984,357; Dec. 18.
 Tone control, Automatic. W. S. Barden. 1,947,822; Feb. 20.
 Tone generator. V. E. James. 1,956,353; Apr. 24.
 Tone quality control. H. J. Loftis. 1,947,557; Feb. 20.
 Toning process particularly for toning the red color component image for multi-color photography. F. Lejeune. 1,963,707; June 19.
 Tong, Automatic. W. C. Babin and R. A. Ames. 1,984,623; Dec. 18.
 Tong, Combination make-up and break-out. W. C. Babin. 1,984,622; Dec. 18.
 Tong, Extension. R. B. Hogsenson. 1,961,421; June 5.
 Tong, Make-up. W. C. Babin. 1,984,621; Dec. 18.
 Tongs. E. V. Cullen. 1,972,583; Sept. 4.
 Tongs. G. Kroto. 1,980,759; Nov. 13.
 Tongs. J. P. Ratigan. 1,942,492; Jan. 9.
 Tongs for holding wound elements. L. Cammen. 1,953,926; Apr. 10.
 Tongs, Ice. L. Guild. Des. 94,137; Dec. 25.
 Tongs, Ice cube. A. H. Ackerson. 1,967,731; July 24.
 Tongs, Ice cube. A. H. Ackerson. 1,980,465; Nov. 13.
 Tongs, Rotary. F. R. Adams. 1,955,727; Apr. 24.
 Tongs, Z fireside. R. V. Zinky. 1,976,977; Oct. 16.
 Tongue depressor and electrode for electro-coagulation of tonsils. W. B. Morse. 1,945,327; Jan. 30.
 Tongue for a shoe. C. Miller. 1,974,721; Sept. 25.
 Tonsorial instrument case. J. Gerard. 1,955,419; Apr. 17.
 Tool: See—
 Abrading tool. Milling tool.
 Abrasive tool. Motor vehicle wheel tool.
 Antifriction tool. Nail driving tool.
 Applying and removing tool. Outside cutting tool.
 Assembly tool. Packing ring tool.
 Axle stub-removing tool. Percussion tool.
 Back-up tool. Percussive hand tool.
 Bonding tool. Percussive tool.
 Boring tool. Pipe grooving tool.
 Broaching tool. Pipe pushing tool.
 Buffing tool. Pipe reamer and flaring tool.
 Bushing tool. Pipe working tool.
 Carpenter's tool. Planting tool.
 Combination tool. Plaster cutting tool.
 Composition tool. Pneumatic tool.
 Compound tool. Portable electric tool.
 Container closure applying tool. Portable fender tool.
 Counter boring tool. Portable power tool.
 Cultivating tool. Power driven tool.
 Cutting and milling tool. Power tool.
 Cutting tool. Precision tool.
 Cylinder grinding tool. Pressure fluid operated tool.
 Dental tool. Pulling tool.
 Door and window opening tool. Radius turning tool.
 Drilling tool. Raking and picking up tool.
 Electric percussion tool. Ratchet tool.
 Electric tool. Reaming tool.
 Electrical tool. Regulating tool.
 Electrician's tool. Road tool.
 Fence tool. Roof framing tool.
 Fencing tool. Rope twisting tool.
 Fender tool. Rotary cutting tool.
 Finishing tool. Rotary plugging tool.
 Fire fighting tool. Sealing tool.
 Flaring tool. Self-heating tool.
 Fluid operated hand tool. Setting tool.
 Fluid operated tool. Shoe finishing tool.
 Fluid pressure tool. Shoe roughing tool.
 Garden tool. Shop power tool.
 Gardener's tool. Soldering tool.
 Glass polishing tool. Spark plug cleaning and setting tool.
 Glass replacement tool. Spring manipulating tool.
 Graining tool. Staple pulling tool.
 Grappling tool. Staybolt cap removing tool.
 Hand sanding tool. Stone cutting tool.
 Heel finishing tool. Strap joint forming tool.
 Hoist line tool. Stretching tool.
 Hollow milling tool. Striking tool.
 Hone or abrading tool. Stripping tool.
 Honing tool. Suction fishing tool.
 Hydraulic machine tool. Surfacing tool.
 Hydraulic setting tool. Tamping tool.
 Impact tool. Terminal lug and lug-attaching tool.
 Inside grooving tool. Thread cutting tool.
 Jar clamping tool. Tire tool.
 Kitchen tool. Tire trimming tool.
 Lapping tool. Transplanting tool.
 Lathe tool. Tube flanging tool.
 Lawn cultivating tool. Tube flaring tool.
 Lawn tool. Tube shaping tool.
 Leather roughing tool. Vacuum cleaner floor tool.
 Lifting tool. Valve grinding tool.
 Machine tool. Valve keeper inserting tool.
 Massage tool.
 Milling and like cutting tool.

- Tool: See—
 Valve lapping tool.
 Valve reseating tool.
 Valve seat grinding tool.
 Valve seat tool.
 Valve-spring lifter tool.
 Valve spring tool.
 Valve surfacing tool.
 Weeding tool.
 Welding tool.
 Wheel mounting tool.
 Wire Splicing tool.
- Tool. S. V. Corona. 1,954,726; Apr. 10.
 Tool. M. L. Gilstrap and J. E. Delk. 1,962,814; June 12.
 Tool. F. J. Hagerling. 1,960,378; May 29.
 Tool. O. L. Lawson. 1,959,587; May 22.
 Tool. G. E. Lovekin. 1,978,210; Oct. 23.
 Tool. H. H. Manning. 1,950,362; Mar. 6.
 Tool. M. T. McKnight. Des. 93,990; Dec. 4.
 Tool. W. E. Moberley. 1,946,753; Feb. 13.
 Tool. H. C. Platts. 1,967,479; July 24.
 Tool. C. C. Prescott. 1,942,447; Jan. 9.
 Tool. O. S. Tyrrell. 1,959,939; May 22.
 Tool. J. Wise. 1,983,426; Dec. 4.
 Tool. W. A. Woerner. 1,982,719; Dec. 4.
 Tool adjusting mechanism, Cylinder grinding. H. W. Zimmerman. 1,957,485; May 8.
 Tool and extractor. F. J. Ross. 1,969,426; Aug. 7.
 Tool and hydraulic feed mechanism therefor, Machine. R. E. Flanders. 1,945,632; Feb. 6.
 Tool and making same. C. W. Balke. 1,948,489; Feb. 27.
 Tool and making the same. C. W. Balke. 1,951,856; Mar. 20.
 Tool and making the same, Compound. M. J. Dempsey. 1,974,807; Sept. 25.
 Tool and wearing surface, Cutting and forming. J. H. L. De Bats. 1,950,355; Mar. 6.
 Tool and working implement, Tipped. R. Braun. 1,956,233; Apr. 24.
 Tool appliance, Rotary cutting. C. H. Krause. 1,964,290; June 26.
 Tool attachment, Machine. N. Berglund. 1,980,178; Nov. 13.
 Tool balancing means. E. A. Hall. 1,955,183; Apr. 17.
 Tool carrier. T. Petersen. 1,961,450; June 5.
 Tool carrier. W. W. Vosper. 1,943,644; Jan. 16.
 Tool carrier for multiple spindle screw machines. H. W. Ruppel. 1,968,538; July 31.
 Tool centering pilot. P. M. Schlauch. Re19,344; Oct. 16.
 Tool chuck. E. J. O'Flaherty. 1,970,056; Aug. 14.
 Tool clamp. W. A. Kelsey. 1,941,840; Jan. 2.
 Tool connection for traveling implements. O. J. Bready. 1,978,338; Oct. 23.
 Tool control mechanism, Machine. E. C. Bullard. 1,960,296; May 29.
 Tool controlling device. G. H. Leland. 1,979,479; Nov. 6.
 Tool driver. J. C. Glenzer. Re19,312; Sept. 11.
 Tool driving machine, Automatic. C. R. Elbert. 1,962,489; June 12.
 Tool for applying and removing receptacle closures. A. F. Driscoll. 1,960,531; May 29.
 Tool for applying guides to ropes and cables. D. C. Sherman. 1,955,347; Apr. 17.
 Tool for applying seal caps. F. W. Sample. 1,951,491; Mar. 20.
 Tool for attaching snap fasteners. C. L. Knutson. 1,984,748; Dec. 18.
 Tool for boring and facing cylinders and the like. W. S. Graham. 1,953,402; Apr. 3.
 Tool for boring cylinders. L. V. Johnson. 1,954,385; Apr. 10.
 Tool for cleaning commutators and the like. N. F. McNaught and E. H. Peterson. 1,968,215; July 31.
 Tool for congealed material, Gathering. S. L. Kelly. 1,974,051; Sept. 18.
 Tool for extracting king-plns. H. W. Kulp and M. C. Dellinger. 1,956,924; May 1.
 Tool for flushing valve seats, Refacing. W. D. Willard. 1,953,284; Apr. 3.
 Tool for forming a dispensing opening in the end wall of a sealed container. A. L. Kronquest. 1,985,862; Dec. 25.
 Tool for forming axle housings. A. C. Scott. 1,948,544; Feb. 27.
 Tool for forming containers. D. George. 1,968,036; July 31.
 Tool for gas-engine-valve seats, Glaze-breaking. W. J. Kattrein. 1,943,895; Jan. 16.
 Tool for generating the teeth of bevel gears, Machine. A. Maurer. 1,957,028; May 1.
 Tool for grinding or lapping cylindrical bores. P. E. Wagner. 1,981,258; Nov. 20.
 Tool for grinding valve seats. L. O. Beard. 1,964,240; June 26.
 Tool for loose leaf binders, Combination. S. I. Gawlik. 1,965,546; July 3.
 Tool for perforating metal containers, Locating a. J. I. Grisko. 1,959,862; May 22.
 Tool for piston ring grooves, Swaging. C. W. Prochaska. 1,984,155; Dec. 11.
 Tool for printing couplings and the like, Machine. F. H. Bogart. 1,958,539; May 15.
 Tool for producing woolen carpets, blankets, or the like. H. Perkins. 1,955,889; Apr. 24.
 Tool for reducing the ends of tubes of ductile metal. P. Hogan. 1,950,678; Mar. 13.
 Tool for removing grease retainers. R. Irvine. 1,964,468; June 26.
 Tool for removing bearings. L. O. Beard. 1,984,960; Dec. 18.
 Tool for removing ridges. L. O. Beard. 1,974,097; Sept. 18.
 Tool for removing ridges. L. O. Beard. 1,984,959; Dec. 18.
 Tool for sanding, rubbing, or polishing surfaces. A. C. Burleigh and C. Warren. 1,951,964; Mar. 20.
 Tool for setting a liner in an oil well or the like, Setting. W. T. Wells. 1,944,481; Jan. 23.
 Tool for setting earth anchors. W. A. Heinrich. 1,948,856; Feb. 27.
 Tool for setting marking plugs and the like, Road drilling. L. L. Richardson. 1,973,176; Sept. 11.
 Tool for shears, Corrugating. E. O. Reist. 1,965,859; July 10.
 Tool for sheet metal, Pneumatic bumping. C. Hopkins. 1,982,667; Dec. 4.
 Tool for straining a wire and fastening the wire ends by twisting. H. Brüninghaus. 1,963,691; June 19.
 Tool for wire, Twisting and looping. G. N. Williams. 1,951,891; Mar. 20.
 Tool grinding machine, Thread. J. Edgar. 1,947,466; Feb. 20.
 Tool guide for dentists' contra-angles. C. E. Hartman. 1,943,668; Jan. 16.
 Tool handle. J. S. D. Bellerive. 1,943,807; Jan. 16.
 Tool handle. E. R. Brock. 1,963,462; June 19.
 Tool handle. F. Zygmunt. 1,975,343; Oct. 2.
 Tool handle, Detachable. J. H. Rast. 1,980,087; Nov. 6.
 Tool having an indexing movement, Machine. E. J. Kingsbury. 1,975,008; Sept. 25.
 Tool head. M. C. Conwell. 1,962,951; June 12.
 Tool head unit. E. L. Fickett, W. O. Forman, and R. G. Holmes. 1,971,299; Aug. 21.
 Tool holder. J. M. Christman. 1,948,698; Feb. 27.
 Tool holder. N. Gron. 1,956,023; Apr. 24.
 Tool holder. F. T. Harrington. Re19,111; Mar. 13.
 Tool holder. R. K. Jeffrey. 1,954,049; Apr. 10.
 Tool holder. R. K. Jeffrey and S. C. Moon. 1,954,048; Apr. 10.
 Tool holder. D. E. Johnson. 1,961,442; June 5.
 Tool holder. H. E. Morton. 1,970,016; Aug. 14.
 Tool holder. J. M. Palmer. 1,945,291-2; Jan. 30.
 Tool holder. S. Peterson. 1,959,140; May 15.
 Tool holder. A. L. Stowell. 1,956,882; May 1.
 Tool holder. U. G. Thomas. 1,975,215; Oct. 2.
 Tool holder, Double action releasing. A. J. Scholtes. 1,974,345; Sept. 18.
 Tool holder for nibbling machines. K. J. Chapman. 1,958,941; May 15.
 Tool, implement, and the like and making same, Cutting and forming. J. V. Emmons. 1,977,845; Oct. 23.
 Tool joint. I. C. Harris. 1,981,863; Nov. 27.
 Tool joint. F. J. Hinderliter. 1,961,763; June 5.
 Tool joint. A. Hollander. 1,947,909; Feb. 20.
 Tool joint for rotary drills. F. J. Hinderliter. Re19,196; June 5.
 Tool lifting device. P. McShane. 1,985,049; Dec. 18.
 Tool, Making a. J. H. Howard and A. C. Catland. 1,949,050; Feb. 27.
 Tool or implement, Builder's. F. Seninger, F. A. Goeke, A. A. A. Nash, and L. A. Dell'Orco. 1,985,383; Dec. 25.
 Tool or the like, Cylinder honing. F. J. Jeschke. 1,944,660; Jan. 23.
 Tool retainer. C. C. Richard. 1,974,217; Sept. 18.
 Tool slide positioning mechanism. E. R. Smith and A. Schinkez. 1,950,039; Mar. 6.
 Tool, Suction fishing. O. A. Cavins. 1,968,282; July 31.
 Tools and wear-resisting surfaces, Making improved cutting and forming. J. H. L. De Bats. 1,950,356; Mar. 6.
 Tools, Device for testing impact. B. F. Jenkins. 1,982,669; Dec. 4.
 Tools, Dynamically balancing machine. E. L. Thearle. 1,967,163; July 17.
 Tools, Making. H. Kohl. 1,984,835; Dec. 18.
 Tools, Making cutting. H. M. S. Binns. 1,964,972; July 3.
 Tools, Manufacturing. E. Ammann. 1,955,044; Apr. 17.
 Tools of chisel type, Apparatus for sharpening. S. Hangl. 1,979,741; Nov. 6.
 Tools, Preparing, grinding, or polishing. E. Elbel and O. Sussenguth. 1,968,799; July 31.
 Tools, Treatment of steel. M. Hartmann and A. Werner. 1,965,037; July 3.
 Tooth, Artificial. W. C. Whittemore. 1,970,927; Aug. 21.
 Toothbrush. J. H. Abbott. 1,950,767; Mar. 13.
 Toothbrush. W. H. Cole. 1,960,807; May 29.
 Toothbrush. J. Had. 1,950,300; Mar. 6.
 Toothbrush. J. P. Handy. 1,982,660; Dec. 4.
 Toothbrush. R. M. Hoffman and C. F. Northart. 1,946,283; Feb. 6.
 Toothbrush. J. J. Janik. 1,948,233; Feb. 20.
 Toothbrush. E. B. Kantor. 1,967,775; July 24.
 Toothbrush. E. W. Krueger. 1,973,212; Sept. 11.
 Toothbrush. M. Largever. Des. 92,616; June 26.
 Toothbrush. S. V. Laub. 1,947,720-2; Feb. 20.
 Toothbrush. S. V. Laub. 1,975,852; Oct. 9.
 Toothbrush. J. R. McElwain. 1,944,797; Jan. 23.
 Toothbrush. H. W. McIntyre. 1,943,225; Jan. 9.
 Toothbrush. J. F. McMath. 1,968,303; July 31.
 Toothbrush. E. M. McNally. 1,945,559; Feb. 6.
 Toothbrush. E. J. McWhirter. 1,942,931; Jan. 9.
 Toothbrush. R. H. Miller. 1,981,657; Nov. 20.
 Toothbrush. P. J. L. Nemmers. 1,961,161; June 5.
 Toothbrush. L. Ottenstroer. 1,942,933; Jan. 9.
 Toothbrush. F. A. Parkhurst and W. S. Elliot. Des. 93,043-4; Aug. 14.
 Toothbrush. R. W. Vardeman. 1,963,389; June 19.

- Toothbrush. A. E. Zerbee. 1,947,324; Feb. 13.
Toothbrush and powder receptacle, hygienic. C. L. Youngstrom. 1,962,337; June 12.
Toothbrush and the like. T. Nishio. 1,972,691; Sept. 4.
Toothbrush and tumbler holder. F. J. Hibbs. 1,975,691; Oct. 2.
Toothbrush container, Antiseptic. O. A. Feldon. 1,981,383; Nov. 20.
Toothbrush, Convertible. E. D. Lukenbill. 1,968,411; July 31.
Toothbrush, Fountain. C. R. Collins. 1,944,067; Jan. 16.
Toothbrush, Fountain. H. R. De Luca. 1,959,126; May 15.
Toothbrush handle. W. S. Elliot. 1,984,787; Dec. 18.
Toothbrush holder. E. H. Koch. Des. 93,025; Aug. 14.
Toothbrush holder. R. G. McMillan. 1,954,085; Apr. 10.
Toothbrush holder. A. A. and H. F. Schneider. 1,959,600; May 22.
Toothbrush holder for tooth powder cans or containers. M. E. Sheppard. 1,958,022; May 8.
Toothbrush, Making a. M. Rudolf. 1,967,783; July 24.
Toothbrush, Power driven rotary. H. W. Stimson. 1,971,283; Aug. 21.
Toothbrush receptacle. G. Sakier. 1,952,686; Mar. 27.
Toothbrush, Rotary. G. E. Carlson, O. P. Larson, and S. R. Swenson. 1,949,241; Feb. 27.
Toothbrush, Rotary. L. Pereira. 1,961,243; June 5.
Toothbrush, Rubber finger stall. R. G. Stevens. 1,965,009; July 3.
Tooth cleaning appliance. S. Aki. 1,958,505; May 15.
Tooth cleaning appliance. W. Vachoux. 1,976,271; Oct. 9.
Tooth cleaning device and composition. S. H. Butterfield. 1,969,874; Aug. 14.
Tooth paste, Manufacturing an acid. E. Bergve. 1,947,635; Feb. 20.
Toothpick case. T. L. Keough. Des. 93,411; Sept. 25.
Toothpick dispenser. J. E. Kenkel. 1,962,018; June 5.
Toothpowder dispenser, Portable hand. A. Carley, A. Schmidt, and K. Wunsch. 1,941,786; Jan. 2.
Top. W. Bergfels. Des. 93,379; Sept. 25.
Top. F. Bueschel. 1,985,716; Dec. 25.
Top. H. Schmidt. 1,974,516; Sept. 25.
Top and holder, Spinning. F. Conti. Des. 91,420; Jan. 30.
Top construction for vehicle bodies. R. G. Brockway and A. J. Smith. 1,952,309; Mar. 27.
Top construction for vehicle bodies, Collapsible. J. A. Olivier. 1,966,514; July 17.
Top construction for vehicle body. J. C. Miller. 1,981,060; Nov. 20.
Top, Demountable. R. Lurba. 1,973,438; Sept. 11.
Top, Folding. J. A. Olivier. 1,984,695; Dec. 18.
Top for cigarette tins, Ornamental. J. B. Rice. 1,965,086; July 3.
Top for gas stoves, Cooking. J. E. Leonard. 1,961,976; June 5.
Top for rumble seats. W. Barber. 1,961,731; June 5.
Top for rumble seats, Folding. T. S. Newton, Jr. 1,952,818; Mar. 27.
Top for rumble seats for automobiles, Removable. J. W. Osten. 1,953,770; Apr. 3.
Top for sprayer tanks, Filling. J. L. Novak. 1,983,185; Dec. 4.
Top for stoves or ranges, Cooking range. C. H. and R. F. Hoffstetter. 1,954,174; Apr. 10.
Top for vehicles, Collapsible. H. D. Heuser. 1,952,252; Mar. 27.
Top, Hot. W. M. Charman. 1,969,726; Aug. 14.
Top, Humming. V. M. Withers and G. H. Seargeant. 1,970,722; Aug. 21.
Top lift attachment. J. F. Fitzsimmons. 1,947,840; Feb. 20.
Top plate of an amusement and vending device. R. F. Kennedy. Des. 93,661; Oct. 23.
Top post and connection. J. A. Olivier. 1,950,742; Mar. 13.
Top spinning roll cover. J. C. Emhardt, F. M. McNair, and G. L. Schwartz. 1,967,929; July 24.
Top structure for tables, Extensible. J. J. Wagner and P. L. Mowrey. 1,969,190; Aug. 7.
Torch. A. J. and I. F. Fauser. 1,941,467; Jan. 2.
Torch. J. H. Horsley. 1,953,372; Dec. 4.
Torch, Blast. L. E. Charles and J. E. Aymar. 1,973,371; Sept. 11.
Torch, Blow. A. P. Kramer. 1,970,237; Aug. 14.
Torch, Blow. J. O. Olson. 1,971,273; Aug. 21.
Torch, Blow. F. T. Potter. 1,941,755; Jan. 2.
Torch for removing defects from billets. E. H. Hendricks. 1,958,044; May 8.
Torch, Gas. E. S. Huff. 1,947,087; Feb. 13.
Torch, Gas. E. S. Huff. 1,976,399; Oct. 9.
Torch, Gas blow. J. M. Daniel. 1,956,435; Apr. 24.
Torch, Hand. M. N. States. 1,957,855; May 8.
Torch head. F. M. Roumillat. 1,980,636; Nov. 13.
Torch, Heating. L. V. Stettner. 1,948,737; Feb. 27.
Torch, Igniter. L. V. Aronson. 1,965,275; July 3.
Torch machine, Multiple. J. L. Anderson. 1,977,710; Oct. 23.
Torch, Oil burner. P. A. Hallquist. 1,959,624; May 22.
Torch, Quick generating. W. Blaskewitz and C. B. Overly. 1,946,383; Feb. 6.
Torch tip. G. L. Walker. 1,971,287; Aug. 21.
Torch tip construction. R. Thomas. 1,977,782; Oct. 23.
Torch tips, Making. G. L. Walker. 1,975,029; Sept. 25.
Torch, Welding. J. L. Anderson. 1,942,352; Jan. 2.
Torch, Welding. J. T. Catlett. 1,946,306; Feb. 6.
Torch, Welding. H. H. Lurie. 1,970,012; Aug. 14.
Torch, Welding. H. L. Maxwell. 1,965,847; July 10.
Torch, Welding. H. C. Peffer. 1,983,674; Dec. 11.
Torch, Welding. R. L. Wagner. 1,944,047; Jan. 16.
Torchère. F. J. Liska. Des. 91,833; Mar. 27.
Torpedo. H. L. Boesch. 1,966,435; July 17.
Torpedo and making the same, Track. H. W. Kelly. 1,944,085; Jan. 16.
Torpedo, Strategical demolition. J. Barraja-Frauenfelder, W. C. Magee, J. H. Thomas, and P. P. Krug. 1,971,102; Aug. 21.
Torpedo tube. N. E. Methlin. 1,985,184; Dec. 18.
Torpedo, Wakeless. E. A. Sperry. 1,973,545; Sept. 11.
Torpedoes, Apparatus for use in determining the course to be given to. J. P. Watson. 1,943,403; Jan. 16.
Torque absorbing device. C. G. Wood. 1,942,677; Jan. 9.
Torque adjuster, Automatic. O. F. Kendler. 1,943,324; Jan. 16.
Torque compensator for rotating wing systems. R. R. Hays. 1,977,724; Oct. 23.
Torque converter. J. C. Slonneger. 1,966,107; July 10.
Torque discriminator. D. C. Klausmeyer. 1,976,943; Oct. 16.
Torque for gas electric cars, Automatic. N. L. Freeman and N. W. Storer. 1,948,752; Feb. 27.
Torque indicator. W. H. Blackmon. 1,976,277; Oct. 9.
Torque limiting coupling. A. L. Lee. 1,942,512; Jan. 9.
Torque measurer, recorder, and regulator for rotary drilling machines, Automatic. J. Johnson. 1,954,176; Apr. 10.
Torque measuring device. W. E. Sykes. 1,976,813; Oct. 16.
Torque-resisting arrangement for vehicles. A. G. Rayburn. 1,947,358; Feb. 13.
Torque stabilizer spring. B. A. Swennes. 1,941,763; Jan. 2.
Torque transmitting apparatus. W. G. Wilson. 1,965,518; July 3.
Torque transmitting bodies, particularly elastic wheels, Manufacturing elastic. E. F. Maas. 1,952,446; Mar. 27.
Torsion meter. V. A. Schoenberg. 1,960,226; May 22.
Torsion tachometer. L. P. Smith. 1,968,859; Aug. 7.
Torsion testing mechanism. R. B. Lewis. 1,981,960; Nov. 27.
Torsional cross joint. E. K. Degener. 1,942,746; Jan. 9.
Tourniquet. H. Cohen. 1,953,074; Apr. 3.
Tourniquet. H. Cohen. 1,957,992; May 8.
Tourniquet. W. W. Robinson. 1,962,255; June 12.
Towline. E. Strang. 1,985,468; Dec. 25.
Towel. S. B. Fertig. Des. 93,868; Nov. 20.
Towel. O. A. Pickett. 1,969,900; Aug. 14.
Towel and making the same, Paper. C. P. Winter and D. A. Rosenthal. 1,964,700; June 26.
Towel control mechanism, Roller. T. B. Tyler. 1,959,938; May 22.
Towel dispenser. J. A. Hunkele. 1,953,301; Apr. 3.
Towel-dispensing apparatus. A. Card. 1,941,826; Jan. 2.
Towel dispensing apparatus. A. L. Overholt. 1,976,087; Oct. 9.
Towel dispensing apparatus. G. A. Steiner. 1,983,647; Dec. 11.
Towel fixture, Roll. S. N. Hope and N. Tuszynski. 1,955,067; Apr. 17.
Towel holder. V. Panettiere. 1,971,794; Aug. 28.
Towel indicator for towel cabinets. J. N. Borroughs. 1,985,228; Dec. 25.
Towel rack. L. H. Lehman. Des. 92,663; July 3.
Towel servitor. A. I. Hondeville. 1,968,833; Aug. 7.
Towel servitor. A. I. Hondeville. 1,981,386; Nov. 20.
Towel winding device. S. A. Schwartz. 1,965,667; July 10.
Tower, Cableway. A. H. Ackerman. 1,944,054; Jan. 16.
Tower control system, Fractionating. J. H. Erter. 1,965,225; July 3.
Tower, Cooling. B. H. Coffey. 1,948,980; Feb. 27.
Tower, Cooling. A. A. Stillger and P. E. Fluor. 1,953,372; Apr. 3.
Tower, Extension water. C. F. Ward. 1,966,324; July 10.
Tower footing. W. M. Brock. 1,973,427; Sept. 11.
Tower, Fractionating. L. de Florez. 1,981,346; Nov. 20.
Tower, Railway supporting. G. D. Fish. 1,958,889; May 15.
Tower stripper construction, Fractionating. J. S. Wallis. 1,953,735; Apr. 3.
Tower, Water cooling. W. W. Williams. 1,950,345; Mar. 6.
Toxic substances, Indicating the presence of. L. Gassner. 1,949,466; Mar. 6.
Toy. W. C. Armor. 1,975,530; Oct. 2.
Toy. O. E. Banker. 1,962,948; June 12.
Toy. J. E. Brubaker. 1,956,342; Apr. 24.
Toy. E. W. Cruikshank. 1,954,040; Apr. 10.
Toy. J. H. L. De Bats. 1,962,927; June 12.
Toy. T. S. Dowst. 1,984,258; Dec. 11.
Toy. G. M. H. Dubbles. Des. 92,887; July 31.
Toy. D. W. Fisher. Des. 91,422; Jan. 30.
Toy. C. D. Gregory. 1,959,469; May 22.
Toy. L. B. Holbrook. 1,942,894; Jan. 9.
Toy. G. K. Houston. 1,963,744; June 19.
Toy. M. L. Hungerford. 1,982,433; Nov. 27.
Toy. F. J. Khouri. Des. 91,945; Apr. 10.
Toy. B. R. and R. Kloebe. 1,947,343; Feb. 13.
Toy. J. Koch. 1,959,536; May 22.
Toy. D. F. Kuhns. 1,966,895; July 17.

- Toy E. P. Lehmann. 1,970,177; Aug. 14.
 Toy C. Linden. Des. 91,275; Jan. 2.
 Toy E. Mastriana. 1,979,002; Oct. 30.
 Toy C. J. McLeod. 1,943,129; Jan. 9.
 Toy Y. Mikamo and I. Koda. 1,942,719; Jan. 9.
 Toy C. C. Moffitt. 1,978,548; Oct. 30.
 Toy C. W. Morgan and H. M. Kahn. 1,980,076; Nov. 6.
 Toy H. Müller. 1,959,493; May 22.
 Toy G. Schoenfeld. 1,984,843; Dec. 18.
 Toy D. L. Shikaly. 1,942,006; Jan. 2.
 Toy W. H. Spinks. 1,965,911; July 10.
 Toy M. G. Steele. 1,971,735; Aug. 28.
 Toy C. C. Stetson. 1,965,863; July 10.
 Toy J. A. Timbs. 1,959,280; May 15.
 Toy L. Turchanyi. Des. 92,119; Apr. 24.
 Toy L. Turchanyi. Des. 92,327-8; May 22.
 Toy L. Turchanyi. Des. 93,192; Aug. 28.
 Toy W. D. M. Wilder. 1,965,996; July 10.
 Toy, Aeroplane. J. Eslinger. 1,980,391; Nov. 13.
 Toy aeroplane. N. E. Walker. 1,972,117; Sept. 4.
 Toy aeroplane hangar. E. L. Kuesthardt. Des. 92,476; June 12.
 Toy aeroplane stabilizer. W. Meinert. 1,982,262; Nov. 27.
 Toy airplane. G. Darroch. 1,950,164; Mar. 6.
 Toy airplane. H. E. Nelson. 1,974,656; Sept. 25.
 Toy airplane train. J. W. Schmermund. 1,953,728; Apr. 3.
 Toy, Animal. M. F. Lathers. Des. 91,889; Apr. 3.
 Toy automobile. C. G. Herbst. 1,962,870; June 12.
 Toy automobile hoist. W. K. Schauweker. 1,970,341; Aug. 14.
 Toy automobile or like article. A. C. Korte. Des. 92,095; Apr. 24.
 Toy Basket-ball. J. L. Izan. 1,955,677; Apr. 17.
 Toy basket ball game. H. N. Barnum. 1,982,491; Nov. 27.
 Toy bed. A. E. Wilder. 1,975,305; Oct. 2.
 Toy boat. V. and M. L. Goldberg. 1,943,474; Jan. 16.
 Toy boat. R. B. Schlegelmilch. 1,943,488; Jan. 16.
 Toy boat or the like. W. A. Roehrig. 1,968,710; July 31.
 Toy building block. E. E. Tompkins. 1,971,545; Aug. 28.
 Toy, Calculator. J. Stadler. 1,974,901; Sept. 25.
 Toy cap pistol. W. R. Bixler. 1,955,900; Apr. 24.
 Toy, Coaster. M. Heldman. 1,985,726; Dec. 25.
 Toy, Coaster. J. B. Jaglowicz. 1,981,317; Nov. 20.
 Toy, Constructional. F. Hoult. 1,985,032; Dec. 18.
 Toy, Convertible. L. D. Goodspeed. 1,985,656; Dec. 25.
 Toy designing block. T. C. Graham. 1,973,564; Sept. 11.
 Toy, Disk-spinning. H. W. Graves. 1,952,547; Mar. 27.
 Toy diving submarine boat. H. H. Dasey. Des. 91,421; Jan. 30.
 Toy, Electrically lighted. H. T. Kingsbury. 1,969,407; Aug. 7.
 Toy figure. J. L. Kallus. 1,968,492; July 31.
 Toy figure or the like. H. M. Rundle. 1,969,039; Aug. 7.
 Toy, Figure wheeled. H. R. Rahm. 1,942,772; Jan. 9.
 Toy, Flying. W. R. Lee. 1,981,050; Nov. 20.
 Toy football game. C. A. Woolsey and H. V. Bowman. 1,954,838; Apr. 17.
 Toy furniture and the like, Making. P. E. Gier. 1,950,919; Mar. 13.
 Toy grease rack. A. J. Kiddle. 1,951,615; Mar. 20.
 Toy gun. C. Geraci. 1,971,137; Aug. 21.
 Toy gun. V. D. Howe. 1,957,713; May 8.
 Toy gun. D. McDonald. 1,965,425; July 3.
 Toy gun. K. Tsukamoto. 1,955,262; Apr. 17.
 Toy, Gyrofly. J. Eberhart. 1,978,189; Oct. 23.
 Toy horse, Mechanical. J. C. Shaffer. 1,957,110; May 1.
 Toy, Illuminated wheeled. J. E. Brubaker. 1,943,160; Jan. 9.
 Toy lawn mower. A. N. Smith. 1,977,457; Oct. 16.
 Toy locomotive chugger. R. C. Anzlovar. 1,985,137; Dec. 18.
 Toy magazine gun. C. C. Conklin. 1,985,079; Dec. 18.
 Toy, Magnetic. H. W. Sauer. 1,945,333; Jan. 30.
 Toy, Magnetic motor. J. E. Papas. 1,963,376; June 19.
 Toy, Mechanical. F. J. Mayer. 1,942,514; Jan. 9.
 Toy, Mechanical. S. Sharran and G. Jakopec. 1,950,698; Mar. 13.
 Toy, Mechanical. E. K. Steiner. Des. 92,046; Apr. 17.
 Toy, Mechanical spinning. J. H. Warner. 1,977,814; Oct. 23.
 Toy, Mechanical tractor. S. I. Berger. 1,957,312; May 1.
 Toy, Movable. A. L. Petrone. 1,959,641; May 22.
 Toy, Mumble peg. W. F. Paradise. 1,956,875; May 1.
 Toy, Musical. L. R. Keller. 1,982,522; Nov. 27.
 Toy novelty. J. Then. 1,973,549; Sept. 11.
 Toy or instrument, Musical. E. C. Peckham. 1,949,284; Feb. 27.
 Toy or the like, Electric. J. A. Russ. 1,966,686; July 17.
 Toy pinwheel. D. Smaidone and J. Pecora. 1,985,467; Dec. 25.
 Toy pistol. J. E. Brubaker. 1,962,387; June 12.
 Toy pistol. R. A. Frisbie. Des. 93,819; Nov. 13.
 Toy pistol. P. H. Milberry. 1,965,247; July 3.
 Toy power shovel. R. M. Gaver. 1,955,457; Apr. 17.
 Toy riding car. L. Strobacker. Des. 93,145; Aug. 21.
 Toy rolling pin, Inflated. G. Heighway. 1,951,193; Mar. 13.
 Toy, Sand. L. G. Wightman. 1,950,423; Mar. 13.
 Toy siren whistle. J. Lauterbach. 1,955,815; Apr. 24.
 Toy, Sounding. R. T. Stewart and G. Gardler. 1,969,050; Aug. 7.
 Toy, Sounding trundling. J. Tirrito. 1,985,117; Dec. 18.
 Toy speed boat structure. J. J. Murdoch. 1,949,767; Mar. 6.
 Toy, Spinning top. H. Schmidt. 1,985,463; Dec. 25.
 Toy, Spring operated mechanical. F. J. Gustine. 1,985,657; Dec. 25.
 Toy stove. E. E. Drumm. 1,948,100; Feb. 20.
 Toy, Structural. J. J. Cavanagh. 1,975,083; Oct. 2.
 Toy teeter-totter. A. E. Prinz. 1,955,312; Apr. 17.
 Toy telephone. H. D. Allen. 1,945,473; Jan. 30.
 Toy telephone. H. D. Allen. 1,949,852; Mar. 6.
 Toy telephone. J. H. Conklin. 1,975,893; Oct. 9.
 Toy top. W. Jung. 1,965,345; July 3.
 Toy torpedo or impact salute. J. B. Decker. 1,945,217; Jan. 30.
 Toy track. L. C. Kelley. 1,949,720; Mar. 6.
 Toy train. E. D. Boisselier. 1,974,326; Sept. 18.
 Toy train. E. L. Groff. 1,974,330; Sept. 18.
 Toy train. E. L. Groff. 1,974,331; Sept. 18.
 Toy train. E. L. Groff. 1,975,418; Oct. 2.
 Toy train tracks, Pad for. C. S. Satterthwait. 1,969,279; Aug. 7.
 Toy truck. A. J. Decker. 1,972,376; Sept. 4.
 Toy typewriter. T. R. Arden. Des. 91,856; Apr. 3.
 Toy typewriter. S. A. Thompson. 1,957,373; May 1.
 Toy vehicle. S. I. Berger. 1,968,121; July 31.
 Toy vehicle. C. C. Blackmore. Des. 91,980; Apr. 17.
 Toy vehicle. C. C. Blackmore. Des. 92,386; June 5.
 Toy vehicle. R. B. Bukolt. 1,973,746; Sept. 18.
 Toy vehicle. P. D. Ewing. Des. 92,529; June 19.
 Toy vehicle. W. A. Gruenberg. Des. 91,354; Jan. 16.
 Toy vehicle. W. F. Hafner. 1,973,923; Sept. 18.
 Toy vehicle. C. A. Spatz. 1,966,145; July 10.
 Toy vehicle, Convertible. J. K. Mohr. 1,973,220; Sept. 11.
 Toy water tower, Automatic. R. C. Anzlovar. 1,951,263; Mar. 13.
 Toy weapon. E. S. Peake. 1,980,290; Nov. 13.
 Toy wheel. J. C. Turner. 1,947,025; Feb. 13.
 Toy, Wheeled. H. D. Allen. 1,952,832; Mar. 27.
 Toy, Wheeled. H. D. Allen. 1,967,524; July 24.
 Toy, Wheeled. H. D. Allen. 1,979,242; Nov. 6.
 Toy, Wheeled. C. C. Elliott. 1,951,277; Mar. 13.
 Toy, Wheeled. N. H. Nelson. Des. 92,192-3; May 8.
 Toy, Whirling. N. H. Nelson. Des. 92,621; June 26.
 Toy, Whirling. E. S. Savage. 1,963,001; June 12.
 Toy with spark producing device. C. Arnold. 1,957,687; May 8.
 Toys, Production of rubber. A. Somogyi. 1,974,548; Sept. 25.
 Tracer control mechanism. B. Sassen. 1,959,178; May 15.
 Tracer device. E. L. Ragonnet. 1,981,372; Nov. 20.
 Tracer mechanism. E. C. F. Oakley. 1,981,117; Nov. 20.
 Tracing cloth, Manufacture of. O. Huber. 1,961,105; May 29.
 Track. H. A. Knox and B. F. Baker. 1,975,107; Oct. 2.
 Track bracket. W. A. Beauchamp. 1,963,821; June 19.
 Track circuit system. A. G. Williamson. 1,949,194; Feb. 27.
 Track circuits and relay therefor, Railway. O. S. Field. 1,942,141; Jan. 2.
 Track construction. H. H. Diehl. 1,958,162; May 8.
 Track construction, Endless. A. F. Masury. 1,970,099; Aug. 14.
 Track crossing, Car. V. Theodos. 1,979,583; Nov. 6.
 Track crossover, Railway. N. C. Barnard. 1,964,804; July 3.
 Track diagram for railway systems, Animated. H. O. Snyder. 1,942,154; Jan. 2.
 Track, Endless. A. F. Masury. 1,970,100; Aug. 14.
 Track, Flexible. H. A. Knox. 1,956,580; May 1.
 Track for monorail conveyer systems. C. S. Haddlesay. 1,972,931; Sept. 11.
 Track for show case doors. H. E. Moran. 1,956,651; May 1.
 Track for sliding sashes. R. I. Eustis and F. S. Berger. 1,982,908; Dec. 4.
 Track for track-laying vehicles. H. A. Knox. 1,966,450; July 17.
 Track for track laying vehicles. H. A. Knox. 1,970,568; Aug. 21.
 Track for track-laying vehicles. H. A. Knox. 1,971,348; Aug. 28.
 Track for tracklaying vehicles. H. A. Knox and C. Hiller, jr. 1,983,548; Dec. 11.
 Track for track-laying vehicles. H. A. Knox and T. H. Nixon. 1,949,423; Mar. 6.
 Track for track-laying vehicles. H. A. Knox and T. H. Nixon. 1,955,751; Apr. 24.
 Track for track laying wheels. J. Kuchar. 1,946,798-9; Feb. 13.
 Track for tractors, Self laying. F. H. and G. E. Lamb. 1,965,244; July 3.
 Track for vehicles, Endless. O. Drapal. 1,982,468; Nov. 27.
 Track frame mounting for track-laying tractors. D. B. Baker. 1,964,495; June 26.
 Track gauging device. J. H. McFadden. 1,984,650; Dec. 18.
 Track jack. C. Spagna. 1,947,537; Feb. 20.
 Track links, Making. H. J. Stein. 1,959,744; May 22.
 Track lubricating apparatus. W. M. Gray. 1,978,018; Oct. 23.
 Track member, Alloy steel railway. C. E. MacQuigg. 1,974,115; Sept. 18.
 Track rail for monorail systems. E. T. Bennington and J. H. Weisner. 1,956,976; May 1.

- Track recorder system. E. A. Sperry. 1,980,706; Nov. 13.
- Track Roller. C. G. Johnson. 1,976,075-6; Oct. 9.
- Track, Rubber articulated endless. A. F. Masury and F. J. Kohlberger. 1,984,072; Dec. 11.
- Track shoes, Providing grouser type. A. W. Gotshall. 1,952,545; Mar. 27.
- Track structure, Railway. W. Dalton. 1,979,825; Nov. 6.
- Track support. D. M. Robinson. 1,945,332; Jan. 30.
- Track support for track type tractors, Top. D. B. Baker. 1,946,660; Feb. 13.
- Track tractor shoe. C. R. Rogers. 1,964,533; June 26.
- Trackway devices from a rail vehicle, Apparatus for controlling. G. W. Baughman. 1,982,626; Dec. 4.
- Track wrench. H. H. Talboys. 1,978,513; Oct. 30.
- Traction device. C. F. Erickson. 1,941,935; Jan. 2.
- Traction device. W. S. Telford. 1,977,900; Oct. 23.
- Traction device for vehicle tires and manufacture. E. F. King. 1,943,918; Jan. 16.
- Traction shoe. R. G. Gebhart. 1,946,846; Feb. 13.
- Traction tread. W. E. Hardeman and E. S. Tompkins. 1,946,209; Feb. 6.
- Traction tread. N. E. Jersey and R. S. Spencer. 1,977,764; Oct. 23.
- Traction wheel. J. L. Hecht and E. E. Einfeldt. 1,957,338; May 1.
- Tractor. T. Brown. 1,962,423; June 12.
- Tractor. T. Brown. 1,973,048; Sept. 11.
- Tractor. T. Brown. 1,980,033; Nov. 6.
- Tractor. R. Hamilton. 1,985,777; Dec. 25.
- Tractor. B. A. Koloc. 1,951,938; Mar. 20.
- Tractor. J. T. Liggett. 1,959,871; May 22.
- Tractor. E. McCormick and J. E. Cade. 1,964,889; July 3.
- Tractor. E. McCormick and L. A. Dailey. 1,942,655; Jan. 9.
- Tractor. H. E. McCray. 1,957,221; May 1.
- Tractor. K. E. Moree. 1,953,360; Apr. 3.
- Tractor. W. H. Radford. 1,958,862; May 15.
- Tractor. N. C. Storey. 1,957,917; May 8.
- Tractor. G. M. Walker. 1,945,169; Jan. 30.
- Tractor. G. J. Ziegler. 1,964,779; July 3.
- Tractor and auxiliary apparatus. E. B. Maloon. 1,955,925; Apr. 24.
- Tractor and semitrailer tank, Combination. A. Davis, jr. Des. 93,332; Sept. 18.
- Tractor and trailer brake system. S. B. Winn. 1,974,168; Sept. 18.
- Tractor and trailer, Combination. H. H. Robinson. Des. 94,096; Dec. 18.
- Tractor attachment. H. S. Eberhard. 1,945,185; Jan. 30.
- Tractor attachment. O. L. Starr. 1,970,949; Aug. 21.
- Tractor attachment for automobiles. E. G. Staude. 1,972,694; Sept. 4.
- Tractor attachment mechanism. D. W. Voorhees, jr. 1,962,539; June 12.
- Tractor attachment mechanism. D. W. Voorhees, jr. 1,979,511; Nov. 6.
- Tractor construction. O. R. Schoenrock. 1,956,253; Apr. 24.
- Tractor control. C. L. Best. 1,942,637; Jan. 9.
- Tractor controlled implement. W. S. Graham and J. Morkovski. 1,971,180; Aug. 21.
- Tractor corn picker. A. C. Lindgren, C. R. Raney, and R. B. Hitchcock. 1,952,507; Mar. 27.
- Tractor cranes, Attachment for. C. F. Ward. 1,943,196; Jan. 9.
- Tractor, Crawler. J. G. Heaslet. 1,955,125; Apr. 17.
- Tractor cultivator. B. R. Benjamin. 1,946,664; Feb. 13.
- Tractor disk harrow. A. E. W. Johnson. 1,948,915; Feb. 27.
- Tractor drive mechanism. E. A. Johnston. 1,982,436; Nov. 27.
- Tractor for semitrailers. R. N. Burton. 1,970,030; Aug. 14.
- Tractor for surgical treatment of fractures, Skeletal. E. E. Longfellow. 1,949,969; Mar. 6.
- Tractor guide. F. R. Hansen. 1,977,273; Oct. 16.
- Tractor guide. M. Mattson. 1,946,225; Feb. 6.
- Tractor guide. F. L. Willrodt and O. T. Nichol. 1,950,910; Mar. 13.
- Tractor guide, Power operated. C. K. Salisbury. 1,980,553; Nov. 13.
- Tractor harvester thresher. C. R. Raney and B. R. Benjamin. 1,952,512; Mar. 27.
- Tractor hitch. C. R. Raney and A. B. Welty. 1,967,326; July 24.
- Tractor implement. H. E. Altgelt. 1,956,262; Apr. 24.
- Tractor lister cultivator. G. J. Olson. 1,967,321; July 24.
- Tractor. Marine. E. Johnson. 1,944,242; Jan. 23.
- Tractor middle buster hitch. C. A. Zieschang. 1,981,768; Nov. 20.
- Tractor planter. A. E. W. Johnson. 1,964,583; June 26.
- Tractor planter. A. E. W. Johnson and B. R. Benjamin. 1,964,582; June 26.
- Tractor propelled implement. L. O. Bird. 1,976,597; Oct. 9.
- Tractor pushed implement. F. D. Jones. 1,967,774; July 24.
- Tractor tie rod. W. C. Morton and C. P. Degenfelder. 1,970,862; Aug. 21.
- Tractor, Tracklaying. D. B. Baker, C. R. Rogers, and N. O. Panzegrau. 1,944,393; Jan. 23.
- Tractor-trailer combination, Automatic. A. W. Molinare. 1,970,014; Aug. 14.
- Tractor wheel. E. O. McHenry and J. F. Noble. 1,955,197; Apr. 17.
- Tractor wheel. M. P. and O. K. Moe. 1,949,807; Mar. 6.
- Tractor wheel. G. J. Ziegler. 1,964,780; July 3.
- Tractor wheel, Adjustable. T. Brown. 1,967,283; July 24.
- Tractor, Wire. J. J. Ettinger. 1,967,471; July 24.
- Tractors, Furrow guide for. W. S. Graham. 1,952,496; Mar. 27.
- Trade mark on natural leaves of flowers and other plant life, Perforating and identifying. J. E. Hires. 1,963,902; June 19.
- Traffic control device. L. A. Gilman. 1,960,376; May 29.
- Traffic control system. C. D. Geer and J. L. Biach. 1,954,992; Apr. 17.
- Traffic control system. R. C. Hitchcock. 1,982,341; Nov. 27.
- Traffic control system. P. Thomas. 1,942,266; Jan. 2.
- Traffic control system, Centralized. D. W. Mersereau and E. B. Kempster, jr. 1,969,090; Aug. 7.
- Traffic controlling apparatus, Railway. G. W. Baughman and F. H. Nicholson. 1,948,197; Feb. 20.
- Traffic controlling apparatus, Railway. C. A. Brooks and J. M. Pelikan. 1,956,851; May 1.
- Traffic controlling apparatus, Railway. R. A. McCann and H. S. Young. 1,954,572; Apr. 10.
- Traffic controlling apparatus, Railway. B. E. O'Hagan. 1,942,614; Jan. 9.
- Traffic controlling apparatus, Railway. P. P. Stoker. 1,982,181; Nov. 27.
- Traffic controlling apparatus, Railway. H. A. Thompson. 1,966,939; July 17.
- Traffic controlling apparatus, Railway. H. A. Wallace. 1,959,072; May 15.
- Traffic controlling apparatus, Railway. H. S. Young. 1,974,439; Sept. 25.
- Traffic controlling apparatus, Railway. H. S. Young. 1,976,822; Oct. 16.
- Traffic controlling apparatus, Railway. H. S. Young. 1,981,979; Nov. 27.
- Traffic controlling system. H. J. Littlefield. 1,948,424; Feb. 20.
- Traffic controlling system, Centralized. C. S. Bushnell. 1,942,135; Jan. 2.
- Traffic controlling system for railroads. O. S. Field. 1,983,509; Dec. 4.
- Traffic controlling system for railroads. F. B. Hitchcock. 1,983,510; Dec. 4.
- Traffic controlling system for railroads. E. B. Kempster, jr. 1,983,513; Dec. 4.
- Traffic controlling system, Railway. G. W. Davison. 1,975,134; Oct. 2.
- Traffic controlling system, Railway. F. L. Dodgson. Re19,323; Sept. 25.
- Traffic controlling system, Railway. W. K. Howe. 1,975,135; Oct. 2.
- Traffic controlling system, Railway. E. B. Kempster, jr. 1,983,512; Dec. 4.
- Traffic controlling system, Railway. J. J. Palermo. 1,975,136; Oct. 2.
- Traffic controlling system, Railway. J. E. Stephenson. 1,975,137; Oct. 2.
- Traffic controlling system, Railway. C. F. Stoltz and W. Welsh. 1,961,855; June 5.
- Traffic controlling system, Railway. G. C. Whitney. 1,973,735-6; Sept. 18.
- Traffic governor. W. Wornick. 1,969,286; Aug. 7.
- Traffic line painting machine. H. B. Wentz and J. B. Pridgen. 1,956,602; May 1.
- Traffic regulating device. L. K. Wright. 1,948,896; Feb. 27.
- Traffic signal. A. F. Dean. 1,949,295; Feb. 27.
- Traffic signal. J. P. Meehan. 1,951,431; Mar. 20.
- Traffic signal. A. O. Price. 1,942,306; Jan. 2.
- Traffic signal. A. C. Roberts. 1,965,807; July 10.
- Traffic signal. J. N. Rogers. 1,948,633; Feb. 27.
- Traffic signal, Automobile. R. O. McConaghy. 1,955,928; Apr. 24.
- Traffic signal, Collapsible. J. T. Boatwright. 1,959,075; May 15.
- Traffic signal control. A. F. Martel. 1,962,451; June 12.
- Traffic signal device. C. L. Collins. 1,963,293; June 19.
- Traffic signal, Hand-carried. I. Lieb. 1,966,822; July 17.
- Traffic signal system, Highway. H. M. Friendly. 1,973,563; Sept. 11.
- Traffic signal, Vehicle accelerated. C. H. Bissell. 1,946,435; Feb. 6.
- Traffic signal, Vehicle actuated. J. Peterson. 1,965,430; July 3.
- Trail builder. L. O. Bird. 1,977,817; Oct. 23.
- Trailbuilder bowl for wheeled vehicles. J. S. Stewart. 1,967,379; July 24.
- Trailer. C. K. Elwood. 1,955,178; Apr. 17.
- Trailer. G. R. Goin and B. A. De Polo. Des. 91,938; Apr. 10.
- Trailer. I. H. Judd. Des. 92,472; June 12.
- Trailer. F. E. and L. R. Kaunitz. Des. 93,873; Nov. 20.
- Trailer. W. J. Parrish. Des. 91,721; Mar. 13.
- Trailer. W. G. Retzlaff and H. A. Flogaus. 1,951,258; Mar. 13.
- Trailer. H. H. Robinson. Des. 92,559; June 19.
- Trailer attachment for motor boats. G. E. Little. 1,946,497; Feb. 13.
- Trailer, Automobile. J. W. Small and E. W. Pahlke. 1,945,089; Jan. 30.
- Trailer, Camp. W. Anderson. 1,972,415; Sept. 4.
- Trailer construction. H. H. Linn. 1,953,051-3; Mar. 27.

- Trailer construction. H. H. Linn. 1,968,046; July 31.
 Trailer coupler. H. R. Anderson. 1,965,685; July 10.
 Trailer coupler. G. H. Curtiss. 1,946,194; Feb. 6.
 Trailer coupling. E. S. Baber. 1,947,030; Feb. 13.
 Trailer coupling. W. H. Rednour. 1,952,565; Mar. 27.
 Trailer coupling. A. W. Rectz. 1,953,365; Apr. 3.
 Trailer coupling. E. R. Shaffer. 1,945,921; Feb. 6.
 Trailer coupling and brake mechanism. J. A. Dyer. 1,966,977; July 17.
 Trailer. Dispensing. R. C. Yant. 1,949,195; Feb. 27.
 Trailer dump mechanism. G. C. Jett. 1,984,876; Dec. 18.
 Trailer fifth wheel. H. F. Fellows. 1,953,705; Apr. 3.
 Trailer hitch. T. H. Jacob. 1,977,065; Oct. 16.
 Trailer hitch. J. R. Larson. 1,972,423; Sept. 4.
 Trailer hitch. J. W. Young, R. Salzer, and B. Bryan. 1,969,288; Aug. 7.
 Trailer hitch. J. G. Winsor. 1,981,443; Nov. 20.
 Trailer hitch mechanism. P. T. Robin. 1,948,677; Feb. 27.
 Trailer lift. W. J. Maust. 1,970,967; Aug. 21.
 Trailer, Open. H. H. Robinson. Des. 91,965; Apr. 10.
 Trailer support, Automatic. E. H. Allen. 1,976,979; Oct. 16.
 Trailer truck for locomotives. E. L. Schellens. 1,984,088; Dec. 11.
 Trailer, Vehicle. J. W. Lavender. Des. 92,412; June 5.
 Trailer vehicle. C. Petersen. 1,967,425; July 24.
 Trailers from railroad cars, System for loading and unloading. L. M. Francis. 1,968,196; July 31.
 Train control. O. H. Dicke and N. D. Preston. 1,942,138; Jan. 2.
 Train control, Automatic. D. H. Schweyer. 1,941,497; Jan. 2.
 Train control, Automatic. P. J. Simmen. 1,945,920; Feb. 6.
 Train control, Automatic. P. J. Simmen. 1,963,386; June 19.
 Train control, Automatic. P. J. Simmen. 1,971,950; Aug. 28.
 Train control system. H. C. Horst. 1,964,819; July 3.
 Train control system. A. E. Hudd. 1,963,582; June 19.
 Train control system. A. G. Shaver. 1,959,691; May 22.
 Train control system, Automatic. R. J. Wolfe and P. W. Smith. 1,969,056; Aug. 7.
 Train control system for railroads. W. D. Hailes. 1,961,853; June 5.
 Train controlling apparatus, Automatic. J. P. Gilligan and G. W. Edwards. 1,971,259; Aug. 21.
 Train dispatching system for railroads. W. D. Hailes. Re19,046; Jan. 16.
 Train dispatching system for railroads. S. N. Wight. Re19,053; Jan. 16.
 Train order holding and delivering structure. R. J. Parks. 1,978,322; Oct. 23.
 Train pipe connector, Automatic. J. Robinson. 1,942,938; Jan. 9.
 Train pipe connector, Automatic. J. Robinson. 1,942,940-1; Jan. 9.
 Train pipe connector, Automatic. J. Robinson. 1,944,193; Jan. 23.
 Train pipe connector, Automatic. J. Robinson. 1,945,704; Feb. 6.
 Train pipe connector, Automatic. J. Robinson. 1,950,093; Mar. 6.
 Train pipe connector, Automatic. J. Robinson. 1,956,047; Apr. 24.
 Train pipe connector, Automatic. J. Robinson. 1,959,499; May 22.
 Train pipe connector, Automatic. J. Robinson. 1,965,908-9; July 10.
 Train pipe coupling, Automatic. J. Robinson. 1,970,980; Aug. 21.
 Train pipe coupling head, Automatic. J. Robinson. 1,942,939; Jan. 9.
 Train pipe valve. A. E. Fornwalt. 1,984,828; Dec. 18.
 Train wire connector, Automatic. H. F. Woernley. 1,952,347; Mar. 27.
 Training and testing device for aviators. L. S. Rose. 1,968,057; July 31.
 Training device. E. C. Nelson, C. W. Ledgerwood, and G. L. Wilson. 1,962,256; June 12.
 Training idler for conveyer belts. S. D. Robins. 1,963,099; June 19.
 Tramway, Vehicle. J. F. Duby. 1,968,672; July 31.
 Transfer. F. Kubin. 1,958,792; May 15.
 Transfer. W. S. Lawrence. 1,941,697; Jan. 2.
 Transfer. W. S. Lawrence. 1,954,451; Apr. 10.
 Transfer. W. S. Lawrence. 1,954,878; Apr. 17.
 Transfer. W. S. Lawrence. 1,968,083; July 31.
 Transfer and preparing and applying designs. F. Kubin. 1,946,865; Feb. 13.
 Transfer and transfer marking composition. W. S. Lawrence. 1,977,680; Oct. 23.
 Transfer decorations, Mounting. T. S. Reese. 1,982,927; Dec. 4.
 Transfer device. L. C. Antrim. 1,971,306; Aug. 21.
 Transfer device. L. C. Antrim. 1,975,057; Sept. 25.
 Transfer device. A. L. Bausman. 1,972,753; Sept. 4.
 Transfer device, Automatically controlled. H. F. Martin. 1,944,253; Jan. 23.
 Transfer element. R. A. Stark. 1,953,316; Apr. 3.
 Transfer for side arm conveying mechanism, Quick. W. F. Hall. 1,961,856; June 5.
 Transfer mechanism. F. A. Hosack. 1,957,960; May 8.
 Transfer mechanism. A. J. Smith. 1,974,394; Sept. 18.
 Transfer mechanism. R. L. Wilcox. 1,982,460; Nov. 27.
 Transfer process. B. L. Atkinson. 1,966,942; July 17.
 Transfer sheet and making same. H. Q. R. Crowder. 1,963,778; June 19.
 Transfer sheet control for billing machines. F. D. Ferguson. 1,970,446; Aug. 14.
 Transfer sheet control for manifolding machines. L. F. Hagemann. 1,949,469; Mar. 6.
 Transfer switch. R. L. Barry. 1,957,381; May 1.
 Transfer truck. H. F. Martin. 1,969,419; Aug. 7.
 Transferring and stacking mechanism. J. M. Hutchinson. 1,950,943; Mar. 13.
 Transferring apparatus. J. F. Sheppard. 1,985,802; Dec. 25.
 Transferring apparatus for incompletely solidified glass bottles and the like. L. Lhoest. 1,971,110; Aug. 21.
 Transferring device. W. L. McNamara. 1,947,610; Feb. 20.
 Transferring device. P. Schonfeld. 1,944,615; Jan. 23.
 Transferring of individual articles such as biscuits. J. F. Naylor. 1,944,103; Jan. 16.
 Transferring system. E. E. Winkley. 1,978,004; Oct. 23.
 Transformer. H. M. Ady. 1,959,191; May 15.
 Transformer. F. B. S. Cahall. 1,979,096; Oct. 30.
 Transformer. J. A. Comstock. 1,954,557; Apr. 10.
 Transformer. I. H. Sclater and G. Camilli. 1,953,779; Apr. 3.
 Transformer. B. C. von Platen. 1,941,644; Jan. 2.
 Transformer, Alternating electric current static. G. Pedrazzo. 1,949,809; Mar. 6.
 Transformer and transformer device. M. Morrison. 1,984,277; Dec. 11.
 Transformer apparatus. M. Morrison. 1,973,010; Sept. 11.
 Transformer armature, Rotary. N. S. de Malaussene. 1,985,154; Dec. 18.
 Transformer construction. H. R. Butler and J. L. Weston. 1,983,657; Dec. 11.
 Transformer construction and making the same. F. S. Smith. 1,960,033; May 22.
 Transformer for direct electric currents, Rotary. G. M. Pestarini. 1,962,030; June 5.
 Transformer, High frequency. W. L. Carlson. 1,954,470; Apr. 10.
 Transformer, High potential. F. J. Fischer. 1,948,417; Feb. 20.
 Transformer hoist, Pole-type portable. L. B. Streeter. 1,955,259; Apr. 17.
 Transformer installation. A. Helgason and W. J. Leidy. 1,964,945; July 3.
 Transformer lead and bushing. P. M. Staehle. 1,965,437; July 3.
 Transformer lifting device. D. G. Smead. 1,981,756; Nov. 20.
 Transformer or choke. J. C. Snell. 1,974,588; Sept. 25.
 Transformer, Pressure. V. I. Zelov. 1,966,841; July 17.
 Transformer, Rotary welding. T. M. Hunter. 1,979,881-2; Nov. 6.
 Transformer tank. J. J. Mullen. 1,954,597; Apr. 10.
 Transformer tank construction. L. C. Nichols. 1,975,168; Oct. 2.
 Transformer voltage regulating system. Z. O. St. Palley. 1,961,801; June 5.
 Transformers. E. J. Temple. 1,947,281; Feb. 13.
 Transit concrete mixer. R. F. Lee. 1,985,610; Dec. 25.
 Transit level. H. O. Stouffer and E. J. Carlson. 1,964,408; June 26.
 Translating apparatus, Propeller type fluid. H. F. Schmidt. 1,971,386; Aug. 28.
 Translating device. E. C. Guedon. 1,983,937; Dec. 11.
 Translating device. W. P. Mason. 1,946,223; Feb. 6.
 Translating device. T. I. Przysiecki. 1,968,056; July 31.
 Translucent material. F. W. Hochstetter. 1,951,933; Mar. 20.
 Transmission. C. H. Barton. 1,942,633; Jan. 9.
 Transmission. R. M. Blakely. 1,950,914; Mar. 13.
 Transmission. A. Y. Dodge. 1,959,349; May 22.
 Transmission. H. E. Fromm. 1,954,200; Apr. 10.
 Transmission. B. E. Gold. 1,965,834; July 10.
 Transmission. G. M. Hartsock. 1,950,110; Mar. 6.
 Transmission. E. C. Kline. 1,965,381; July 3.
 Transmission. R. F. Lansing. 1,985,662; Dec. 25.
 Transmission. R. Lapsley. 1,948,723; Feb. 27.
 Transmission. R. Lapsley. 1,953,113; Apr. 3.
 Transmission. V. Lewand. 1,945,439; Jan. 30.
 Transmission. A. R. Meister. 1,962,752; June 12.
 Transmission. F. C. Mock. Re19,400; Dec. 18.
 Transmission. T. M. Mueller. 1,953,252; Apr. 3.
 Transmission. T. M. Mueller. 1,956,078; Apr. 24.
 Transmission. R. M. Nardone. 1,969,661; Aug. 7.
 Transmission. R. M. Nardone. 1,977,007; Oct. 16.
 Transmission. D. G. Roos and H. E. Churchill. 1,960,512; May 29.
 Transmission. E. J. Schneider. 1,981,428; Nov. 20.
 Transmission. C. W. Van Ranst. 1,954,302; Apr. 10.
 Transmission. J. G. Vincent. 1,960,357; May 29.
 Transmission. A. and M. P. Winther. 1,983,827; Dec. 11.
 Transmission. C. W. Wood. 1,961,809; June 5.
 Transmission, Accelerator controlled automotive. F. W. Cotterman. 1,950,163; Mar. 6.
 Transmission and clutch control, Automatic. K. M. Hainsworth. 1,958,427; May 15.
 Transmission and control device, Remote. L. A. B. Rondot. 1,941,955; Jan. 2.
 Transmission and control mechanism for machine tools. F. A. Parsons. 1,976,368; Oct. 9.
 Transmission apparatus. H. Shapiro and I. Joffe. 1,966,691; July 17.

- Transmission, Automatic. R. E. Keller. 1,985,503; Dec. 25.
- Transmission, Automatic. H. L. McClain and S. T. Mercer. 1,961,619; June 5.
- Transmission, Automatic. D. Pilaar. 1,979,077; Oct. 30.
- Transmission, Automatic change speed. O. H. Banker. 1,943,293; Jan. 16.
- Transmission, Automatic gearless. R. De Filippis. 1,968,030; July 31.
- Transmission, Automatic. W. J. Isham. 1,966,296; July 10.
- Transmission, Automotive. P. M. Lewis and E. H. Bridenbaugh. 1,953,356; Apr. 3.
- Transmission, Automotive. H. C. Snow and A. A. Stone. 1,980,505; Nov. 13.
- Transmission, Choked outflow hydraulic. W. Ferris. 1,964,398; June 26.
- Transmission clutch, Free wheeling. W. F. Smith. 1,942,669; Jan. 9.
- Transmission control. B. G. Björnson. 1,959,405; May 22.
- Transmission control. H. E. Churchill. 1,970,690; Aug. 21.
- Transmission control. P. L. Tenney and H. E. Fidler. Re19,275; Aug. 14.
- Transmission control device, Friction. F. A. Hayes. 1,958,303; May 8.
- Transmission control in signaling systems. B. G. Björnson and D. Mitchell. 1,943,104; Jan. 9.
- Transmission control in two-way signaling systems. B. G. Björnson. 1,972,286; Sept. 4.
- Transmission control mechanism. M. Tibbetts. 1,975,626; Oct. 2.
- Transmission control mechanism for motor vehicles. H. T. Thomas and A. B. Hays. 1,947,235; Feb. 13.
- Transmission control, Roller type. J. Dolza. 1,983,745; Dec. 11.
- Transmission device. F. W. Murray. 1,953,054; Mar. 27.
- Transmission device. M. I. Vestal. 1,980,145; Nov. 6.
- Transmission device, Free wheeling. C. R. Paton. 1,956,995; May 1.
- Transmission, Electric. B. McCormick. 1,952,450; Mar. 27.
- Transmission, Electromagnetic. F. F. Beauchamp. 1,963,642; June 19.
- Transmission equipment, Automotive. E. S. Bush. 1,951,724; Mar. 20.
- Transmission, Feed box. W. G. Hoelscher. 1,982,612; Nov. 27.
- Transmission for automobiles. T. L. Fawick. 1,946,154; Feb. 6.
- Transmission for motor cars and control means therefor. E. E. Motter. 1,957,550; May 8.
- Transmission, Free shift. G. K. Grabbe. 1,962,271; June 12.
- Transmission, Free wheeling. H. F. Bushong. 1,955,698; Apr. 17.
- Transmission, Free wheeling. J. M. Simpson and S. O. White. 1,949,221; Feb. 27.
- Transmission, Friction. W. D. Gove. 1,947,044; Feb. 13.
- Transmission gear, Change speed. E. R. Burtnett. 1,958,607; May 15.
- Transmission gearing. G. T. Smith-Clarke. 1,962,040; June 5.
- Transmission, High frequency. J. Plebanski. 1,958,954; May 15.
- Transmission hoist, Knockdown. J. A. Dice. 1,952,238; Mar. 27.
- Transmission, Hydraulic. V. Averin. 1,954,793; Apr. 17.
- Transmission, Hydraulic. D. Clute. 1,985,443; Dec. 25.
- Transmission, Hydraulic. J. P. Ferris and E. Wiedmann. 1,974,137; Sept. 18.
- Transmission, Hydraulic. W. Ferris. Re19,095; Feb. 27.
- Transmission, Hydraulic. A. R. Kuzelewski. 1,947,051; Feb. 13.
- Transmission, Hydraulic. F. C. Macdonald and W. E. Richardson. 1,978,680; Oct. 30.
- Transmission interlock. A. E. Bartz. 1,974,096; Sept. 18.
- Transmission level control in telegraph signaling systems. J. Herman. 1,943,478; Jan. 16.
- Transmission levels, Method of and apparatus for measuring. G. Viard. 1,954,396; Apr. 10.
- Transmission line. A. O. Austin. 1,941,731; Jan. 2.
- Transmission line. J. M. West. 1,970,350; Aug. 14.
- Transmission line connection, High voltage. A. O. Austin and W. A. Hillebrand. 1,967,652; July 24.
- Transmission line protective system, Electric. J. Jonas. 1,983,086; Dec. 4.
- Transmission lines, Diverting energy from. A. O. Austin. 1,941,732; Jan. 2.
- Transmission lines, Erection of aerial. V. H. Thomas. 1,972,049; Aug. 28.
- Transmission, Mass inertia. A. Y. Dodge. 1,949,042; Feb. 27.
- Transmission means. C. F. Pilcher. 1,974,784; Sept. 25.
- Transmission mechanism. H. A. Centervall. 1,951,345; Mar. 20.
- Transmission mechanism. H. D. Church. 1,973,332; Sept. 11.
- Transmission mechanism. G. M. Hartsock. 1,952,434; Mar. 27.
- Transmission mechanism. H. F. Hobbs. 1,972,484; Sept. 4.
- Transmission mechanism. W. R. Griswold. 1,955,879; Apr. 24.
- Transmission mechanism. W. R. Griswold. 1,957,775; May 8.
- Transmission mechanism. W. R. Griswold. 1,962,191; June 12.
- Transmission mechanism. R. E. Keller. 1,969,561; Aug. 7.
- Transmission mechanism. K. R. Manville. 1,970,098; Aug. 14.
- Transmission mechanism. E. F. Norelius. 1,968,419; July 31.
- Transmission mechanism. R. H. Rose. 1,953,568; Apr. 3.
- Transmission mechanism. J. S. Sharpe. 1,984,235; Dec. 11.
- Transmission mechanism. J. S. Sharpe. 1,985,110; Dec. 18.
- Transmission mechanism. M. Tibbetts. 1,983,250; Dec. 4.
- Transmission mechanism. F. C. Worden. 1,985,359; Dec. 25.
- Transmission mechanism and adjustable mounting therefor. S. M. Friedman. 1,964,459; June 26.
- Transmission mechanism, Automatic speed changing. F. W. Cotterman. 1,978,834; Oct. 30.
- Transmission mechanism for machine tools. B. P. Graves and A. F. Bennett. 1,951,146; Mar. 13.
- Transmission mechanism for motor vehicles. L. J. Campbell. 1,984,354; Dec. 18.
- Transmission mechanism, Freewheeling. S. M. Coffman. 1,944,220; Jan. 23.
- Transmission mechanism, Free wheeling. S. M. Coffman. 1,968,635; July 31.
- Transmission mechanism, Hydraulic. J. Bedford. 1,982,150; Nov. 27.
- Transmission mechanism, Hydraulic. A. F. Gardner. 1,966,979; July 17.
- Transmission mechanism, Hydraulic variable. J. Bedford. 1,952,354; Mar. 27.
- Transmission mechanism, Overspeed. P. W. Schipper, jr. 1,957,359; May 1.
- Transmission mechanism, Synchronized. E. A. Thompson. 1,944,331; Jan. 23.
- Transmission, Motor vehicle. S. G. Baits. 1,983,063; Dec. 4.
- Transmission, Multifrequency. A. Hund. 1,957,269; May 1.
- Transmission, Multiplex. E. Schwarzkopf. 1,943,630; Jan. 16.
- Transmission network. W. R. Bennett. 1,953,459; Apr. 3.
- Transmission network. H. W. Bode. 1,944,209; Jan. 23.
- Transmission network. H. W. Bode. 1,955,788; Apr. 24.
- Transmission network. O. Böhm and W. Moser. 1,952,411; Mar. 27.
- Transmission network. W. P. Mason. 1,969,571; Aug. 7.
- Transmission network, Selective. P. O. Farnham. 1,950,358; Mar. 6.
- Transmission network, Wave. C. L. Frederick. 1,970,933; Aug. 21.
- Transmission of intelligence over wires. W. A. Knoop. 1,968,457; July 31.
- Transmission of synchronizing pulses, Automatic. M. H. Woodward. 1,944,586; Jan. 23.
- Transmission operating mechanism. E. J. Farkas. 1,975,835; Oct. 9.
- Transmission, Polyphase. I. B. Levine. 1,951,026; Mar. 13.
- Transmission reception of wave energy, Apparatus for the directional. W. Rudolph. 1,977,974; Oct. 23.
- Transmission, Semiautomatic. G. H. Cook. 1,957,578; May 8.
- Transmission shift. J. M. Simpson. 1,963,387; June 19.
- Transmission, Speed reducing. J. Cahill. 1,953,151; Apr. 3.
- Transmission substance, Hydraulic. C. Reinhold. 1,977,012; Oct. 16.
- Transmission system. D. A. Barnett. 1,979,435; Nov. 6.
- Transmission system. D. A. Barnett. 1,980,656; Nov. 13.
- Transmission system. E. Bruce. 1,959,407; May 22.
- Transmission system. H. W. Dudley. 1,978,419; Oct. 30.
- Transmission system. H. W. Dudley. 1,979,101; Oct. 30.
- Transmission system. O. T. Francis. 1,968,678; July 31.
- Transmission system. L. J. Lesh. 1,960,785; May 29.
- Transmission system. C. C. Taylor. 1,973,027; Sept. 11.
- Transmission system. D. Thierbach. 1,968,106; July 31.
- Transmission system. H. C. Turner. 1,944,308; Jan. 23.
- Transmission system, Concentric return. J. M. Eglin. 1,972,877; Sept. 11.
- Transmission system, Duplex. H. Mayer and L. Fenyö. 1,962,026; June 5.
- Transmission system, High frequency. E. Bruce. 1,947,247; Feb. 13.
- Transmission system, Mechanical. W. S. Graff-Baker. 1,956,714; May 1.
- Transmission system, Repeated. H. S. Black. 1,956,547; May 1.
- Transmission, Variable. J. S. Sharpe. 1,978,439; Oct. 30.
- Transmission with tapered roller bearings. E. A. Thompson. 1,970,716; Aug. 21.
- Transmitter. W. Kummerer. 1,982,916; Dec. 4.
- Transmitter. D. Prinz. 1,971,883; Aug. 28.
- Transmitter and receiver. C. W. Hansell. 1,975,270; Oct. 2.
- Transmitter and recorder, Piezo-electric. A. A. Thomas. 1,980,888; Nov. 13.
- Transmitter, High frequency. F. P. Best. 1,972,370; Sept. 4.
- Transmitter, High frequency. E. Green. 1,958,994; May 15.

- Transmitter key for distress signals, Automatic. L. L. E. Chauveau. 1,972,289; Sept. 4.
- Transmitter, Storing. H. D. Colman. 1,962,136; June 12.
- Transmitter supply source. R. Villem and R. Aubert. 1,949,263; Feb. 27.
- Transmitting and receiving apparatus, Electric. A. A. Thomas. 1,975,486; Oct. 2.
- Transmitting device. W. J. Brown. 1,962,294; June 12.
- Transmitting gear. S. Hertz and M. P. Berger. 1,968,604; July 31.
- Transom and window adjuster and lock. J. S. Gullborg. 1,968,388; July 31.
- Transom lifter. A. G. Lyons. 1,954,739; Apr. 10.
- Transparency meter. M. D. McFarlane and W. Baumrucker, jr. 1,967,583; July 24.
- Transparent sheets or coatings, Manufacture of. F. H. Clickner. 1,968,991; Aug. 7.
- Transplanting tool. V. Gonsalves. 1,970,087; Aug. 14.
- Transportable apparatus for applying bituminous coverings, particularly to canal walls and the like inclined surfaces. H. Mösslang and H. Volbehr. 1,945,065; Jan. 30.
- Transportation container. J. P. McWilliams and F. Ditchfield. 1,981,241; Nov. 20.
- Transportation container. C. H. Williamson. 1,958,775; May 15.
- Transportation package. H. P. Stewart. 1,983,322; Dec. 4.
- Transportation seat. K. Kaiser and C. A. Van Derveer. 1,951,982; Mar. 20.
- Transportation system, Trackless. H. F. Lucke, jr. 1,981,655; Nov. 20.
- Transverse driven body. J. F. Ziegler. 1,979,184; Oct. 30.
- Trap; See—
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| Animal trap. | Lamp and insect trap. |
| Ant trap. | Minnow trap. |
| Beetle trap. | Mouse and animal trap. |
| Boiler return and vacuum trap. | Mouse and rat trap. |
| Burglar trap. | Pedestal block trap. |
| Choker trap. | Pocket gopher trap. |
| Crab trap. | Rat trap. |
| Drain trap. | Rodent trap. |
| Fish and crab trap. | Sewer trap. |
| Fish trap. | Steam trap. |
| Fly or insect trap. | Strainer trap. |
| Grease trap. | Target trap. |
| House trap. | Waste trap. |
| Insect trap. | Well trap. |
- Trap. B. M. Brownell. 1,950,384; Mar. 13.
- Trap. W. J. Cameron. 1,971,640; Aug. 28.
- Trap. J. Donadel. 1,981,785; Nov. 20.
- Trap. P. F. Harris. 1,943,177; Jan. 9.
- Trap. J. S. Hulet. 1,978,998; Oct. 30.
- Trap. H. J. Hunt. 1,974,359; Sept. 18.
- Trap. J. Kleffman. 1,951,295; Mar. 13.
- Trap. A. McMullen. 1,961,075; May 29.
- Trap and air cleaner for internal-combustion engines, Combined backfire. O. A. Carnahan. 1,946,015; Feb. 6.
- Trap for gas supply lines, Dirt. C. H. Morrow. 1,963,526; June 19.
- Trap rest. E. Prestenback. 1,970,672; Aug. 21.
- Traveler. P. C. Wentworth. 1,953,323; Apr. 3.
- Traveler. P. C. Wentworth. 1,984,779; Dec. 18.
- Traveling bag. J. M. Brady. 1,980,714; Nov. 13.
- Traveling bag. S. Lacher. 1,983,763; Dec. 11.
- Traveling bag. S. H. Lifton. 1,950,118; Mar. 6.
- Traveling bag. J. Shwayman. Des. 92,869; July 24.
- Traveling case. A. Kaufmann. 1,964,820; July 3.
- Traveling case. F. N. Lewis. 1,950,252; Mar. 6.
- Traveling valve. J. L. Anderson and J. C. Wells. 1,948,325; Feb. 20.
- Travelling stock, Heating. E. F. Northrup. 1,981,630; Nov. 20.
- Traverse drive for spinning machines. H. W. Butterworth, jr., and J. J. Sippel. 1,968,026; July 31.
- Traverse equipment. G. M. Kenney and W. C. Kenney. 1,973,487; Sept. 11.
- Traverse mechanism for rayon spinning machines. C. O. Tersam. 1,967,934; July 24.
- Traverse motions for blamires lappers. W. D. Rundlett. 1,978,355; Oct. 23.
- Traversing apparatus. H. C. Nickerson. 1,967,588; July 24.
- Trawl gear, Free ground-rope. O. Dahl. 1,943,372; Jan. 16.
- Tray. E. Bodé. Des. 93,089; Aug. 21.
- Tray. J. R. Eberhardt, jr. 1,962,556; June 12.
- Tray. A. E. Gundlach. 1,953,933; Apr. 10.
- Tray. E. C. Hasenour. 1,972,519; Sept. 4.
- Tray. F. S. Lack. 1,952,377; Mar. 27.
- Tray. S. F. Pratt. 1,954,646; Apr. 10.
- Tray. G. C. Webb. 1,979,301; Nov. 6.
- Tray and bridge score pad holder, Combination ash. F. H. Mellon. 1,946,983; Feb. 13.
- Tray and guide for duplicating machine, Paper. N. T. Shepherd. 1,951,068; Mar. 13.
- Tray and paper match package holder, Combination ash. A. de Marcellac. 1,947,384; Feb. 13.
- Tray and stand, Combined service. M. Ritter. 1,944,757; Jan. 23.
- Tray, Ash. C. Arthuber. 1,981,981; Nov. 27.
- Tray, Ash. F. O. Aylor. Des. 91,260; Jan. 2.
- Tray, Ash. G. Collins. 1,970,128; Aug. 14.
- Tray, Ash. H. G. Currier, jr. 1,948,025; Feb. 20.
- Tray, Ash. J. C. Gorman. 1,953,755; Apr. 3.
- Tray, Ash. M. Kaplan. Des. 91,429; Jan. 30.
- Tray, Ash. T. R. Moss. 1,961,427; June 5.
- Tray, Ash. F. G. Purinton. Des. 92,626; June 26.
- Tray, Ash. A. C. Sias. Des. 91,847; Mar. 27.
- Tray, Ash. C. Unger. Des. 92,048; Apr. 17.
- Tray, ash receptacle, and stand therefor, Combination. E. Schultz. 1,954,267; Apr. 10.
- Tray assembly, Display. H. D. Irwin. 1,946,623; Feb. 13.
- Tray, Barber's and beautician's sterilizing. O. R. Scioscia. 1,973,156; Sept. 11.
- Tray, bread knife, and holder, Combined. J. S. Ness. Des. 94,094; Dec. 18.
- Tray, Bubble tower. D. Irwin. 1,950,247; Mar. 6.
- Tray, Card and envelope supporting. E. M. Wangen. 1,981,294; Nov. 20.
- Tray, card holder, and scoring indicator or similar article, Combination ash. J. G. Rossiter. Des. 91,788; Mar. 20.
- Tray, Card index. P. O. Unger. 1,971,468; Aug. 28.
- Tray carriage. P. A. Rothe. 1,961,394; June 5.
- Tray, Cigarette ash. A. H. Simpson. 1,964,388; June 26.
- Tray cleaner. T. F. Toniatti. 1,980,602; Nov. 13.
- Tray conveyer, Swinging. J. F. Savell and H. Feige. 1,963,314; June 19.
- Tray, Curb service. E. G. De Foe and C. Bramming. 1,956,060; Apr. 24.
- Tray, Curb service. E. G. De Foe and C. Bramming. 1,958,266; May 8.
- Tray, Curb service. E. G. De Foe and C. Bramming. 1,965,355; July 10.
- Tray, Desk. S. Smiley, jr. 1,957,153; May 1.
- Tray, Dyeing and washing. P. Tschammer. 1,949,287; Feb. 27.
- Tray, Expandable. G. D. Abel. 1,976,427; Oct. 9.
- Tray, Filing. R. J. Wood. 1,981,795; Nov. 20.
- Tray, Footbath. T. E. Fuller. Des. 94,081; Dec. 18.
- Tray for drinking glasses. K. Verbeck. 1,960,606; May 29.
- Tray for eggs and other fragile articles. G. W. Swift, jr. 1,983,325; Dec. 4.
- Tray for internal-combustion engines, Back fire. O. A. Carnahan. 1,946,014; Feb. 6.
- Tray for refrigerators. A. W. Neel. 1,981,743; Nov. 20.
- Tray for sewing machines, Fabric supporting. C. S. Thompson. 1,961,993; June 5.
- Tray for supporting an ice cube breaker and ice cream freezer. T. J. Fegley and G. O. Leopold. 1,978,299; Oct. 23.
- Tray, Fowl and meat carving. W. L. Stonehouse. 1,974,221; Sept. 18.
- Tray, Freezing. H. D. Geyer. 1,945,605; Feb. 6.
- Tray, Freezing. H. D. Geyer. 1,953,166-7; Apr. 3.
- Tray, Freezing. H. D. Geyer. 1,964,431; June 26.
- Tray, Freezing. D. F. Newman. 1,964,476; June 26.
- Tray heating unit, Cube. A. A. Barnes. 1,974,146; Sept. 18.
- Tray, Ice. J. H. Ashbaugh. 1,973,033; Sept. 11.
- Tray, Ice. A. C. Smith. 1,971,664; Aug. 28.
- Tray, Ice cream freezing. M. G. Torson. 1,981,008; Nov. 20.
- Tray, Ice cream freezing. M. G. Torson. 1,981,010; Nov. 20.
- Tray, Ice cube. F. D. Smith, jr. 1,976,147; Oct. 9.
- Tray, Ice cube. N. Szafir. 1,971,879; Aug. 28.
- Tray insert for cooking utensils. K. J. Kinnicut. 1,976,616; Oct. 9.
- Tray, Laundry tub and soap. O. S. Burman. 1,949,353; Feb. 27.
- Tray, Ledger. C. F. Wolters. 1,948,451; Feb. 20.
- Tray making machine. W. W. Hartman. 1,957,957; May 8.
- Tray, Mobile ash. E. H. Barbé. Des. 93,322; Sept. 18.
- Tray or flat for fragile articles, Packing. R. E. Read. 1,960,279; May 29.
- Tray or similar article. H. Taylor. Des. 93,188; Aug. 28.
- Tray or similar article. Ash. H. Underberg. Des. 93,585-6; Oct. 9.
- Tray or similar article, Serving. M. Friedlander. Des. 93,210; Sept. 4.
- Tray or the like. A. F. Reilly. Des. 92,206-7; May 8.
- Tray or the like and amusement device, Combined. C. T. Joslin. 1,973,567; Sept. 11.
- Tray, Playing card. W. A. Reynolds. 1,971,052; Aug. 21.
- Tray, Portable refrigerated. G. J. McIntosh and L. H. Caldwell. 1,976,353; Oct. 9.
- Tray rack, Multiple revolvable. W. J. Bailey. 1,947,325; Feb. 13.
- Tray receptacle holder. V. L. Covert. 1,980,575; Nov. 13.
- Tray, Refrigerator. L. E. Stipe. 1,951,071; Mar. 13.
- Tray, Releasable ice cube. A. S. Volpin. 1,958,502; May 15.
- Tray, Revolving. J. B. Clark. 1,978,695; Oct. 30.
- Tray, Ripe fruit corrugated packing. G. Sykes. 1,985,670; Dec. 25.
- Tray, Service. W. H. and C. Breidling. 1,964,500; June 26.
- Tray, Service. G. B. Gilbert. 1,974,213; Sept. 18.
- Tray, Service. K. E. Porter. 1,949,285; Feb. 27.
- Tray, Serving. L. S. Hunt. Des. 91,627; Feb. 27.
- Tray, Serving. T. G. Smullin. 1,942,190; Jan. 2.
- Tray, Smoker's ash. T. R. Lulham. Des. 93,986; Dec. 4.
- Tray, Starch. C. L. Moorman. 1,947,055; Feb. 13.
- Tray, Stencil holding. H. P. Elliott. 1,949,535; Mar. 6.
- Tray, Stencil-holding. H. P. Elliott. 1,956,672; May 1.
- Tray, Sterilizing. O. R. Scioscia. 1,973,155; Sept. 11.

- Tray structure, Partitioned. S. Piker. 1,954,224; Apr. 10.
 Trays, Attachment for washing. H. G. Levy. 1,977,769; Oct. 23.
 Trays, Device for removing frozen ice. H. H. Tyroff. 1,960,255; May 29.
 Trays, Device for removing frozen ice. H. H. Tyroff. 1,971,884; Aug. 28.
 Tread and making the same, Antislipping. E. Van der Eyl. 1,949,517; Mar. 6.
 Tread belt link, Endless. T. A. Snyder. 1,947,883; Feb. 20.
 Tread member for shoes. P. B. Sullivan. 1,970,254; Aug. 14.
 Tread mold elements, Making. W. J. Fraser. 1,985,341; Dec. 25.
 Tread train for an endless band vehicle. A. Kégresse. 1,959,477; May 22.
 Treads of wheel rims for rail vehicles and the like, Grinding the. E. Hanus. 1,951,977; Mar. 20.
 Treadle control mechanism, Pneumatic. R. D. Conklin. 1,975,828; Oct. 9.
 Treadle switch. L. H. Zeigler. 1,975,527; Oct. 2.
 Treasury notes and the like, Apparatus for automatically delivering. R. H. Tate. 1,966,320; July 10.
 Treating apparatus. C. Herrmann. 1,943,072; Jan. 9.
 Treating containers for reception of transformer oil. A. E. Pew and H. F. Angstadt. 1,969,235; Aug. 7.
 Treating device. J. B. Wade. 1,966,658; July 17.
 Treating device for fabrics. A. N. Spanel. 1,958,647; May 15.
 Treating machine, Centrifugal. A. H. Adams. 1,952,574; Mar. 27.
 Treating material in the form of strands. H. Kress. 1,969,687; Aug. 7.
 Treating processes, Method of controlling. R. D. McDill. 1,970,613; Aug. 21.
 Treatment by radiations. G. Failla and J. E. Rose. 1,954,868; Apr. 17.
 Treatment media to the living body, Apparatus for applying. P. Frank. 1,982,509; Nov. 27.
 Treatment of coals, tars, mineral oils, and the like. M. Pier. 1,969,422; Aug. 7.
 Treatment of hydrocarbons. W. M. Malisoff. 1,968,842; Aug. 7.
 Treatment of mineral oils by heat. W. J. Perelis. 1,969,321-2; Aug. 7.
 Treatment of sludge. W. M. Malisoff. 1,968,843; Aug. 7.
 Treatment of the body with sprayed applications and the like, Apparatus for. P. Frank. 1,982,508; Nov. 27.
 Treatment substance. H. Bertsch. 1,974,007; Sept. 18.
 Treatment with solvents, Apparatus for. C. F. Dinley. 1,942,355; Jan. 2.
 Tree, Apple. W. Uecker. Pl. Pt. 85; Jan. 16.
 Tree coverer for silkworm culture. A. F. Eccher. 1,957,994; May 8.
 Tree for boots. A. G. Legge. 1,978,496; Oct. 30.
 Tree for boots or shoes. J. W. Loney. 1,967,248; July 24.
 Tree puller. J. Copley. 1,981,308; Nov. 20.
 Trees from crawling insects, Protecting. B. Bernitz, sr. 1,954,795; Apr. 17.
 Trees from cuttings, Propagation of. R. H. McKee. 1,943,030; Jan. 9.
 Trees from insects, Protecting. E. Bernitz, sr. 1,953,947; Apr. 10.
 Trees, Method and apparatus for moving. M. G. Coplen. 1,976,160; Oct. 9.
 Trellis. R. J. Smith. 1,953,638; Apr. 3.
 Trellis. V. V. Tincu. 1,941,517; Jan. 2.
 Trellis. H. D. Wakefield. 1,983,956; Dec. 11.
 Trencher. O. A. Seyferth and H. E. Swanson. 1,959,768; May 22.
 Trenching machine. C. F. Yocum. 1,978,732-3; Oct. 30.
 Trestle, Folding. R. De Young. 1,960,991; May 29.
 Trestle or horse, Brick layer's. G. L. Smith. 1,957,362; May 1.
 Triangle-protractor. S. J. Woods. 1,966,110; July 10.
 Tricycle or the like, Child's. G. W. Clark. Des. 92,700; July 10.
 Trigger mechanism. L. A. Skinner. 1,972,113; Sept. 4.
 Trigger operating mechanism for aircraft guns. W. C. L. Haubroe. 1,962,591; June 12.
 Trigger top and game. E. S. Moore. 1,959,635; May 22.
 Trigger tube. W. G. Moran. 1,956,396; Apr. 24.
 Trigonometric functions, Device for teaching. H. I. Shimberg. 1,955,392; Apr. 17.
 Trigonometrical calculations, Device for performing. M. Araujo. 1,983,961; Dec. 11.
 Trim pad fastener. E. B. Fernberg. 1,959,096; May 15.
 Trim panels, Securing. B. C. Place. 1,942,119; Jan. 2.
 Trim to building structures, Attaching metal. B. C. Place. 1,964,331; June 26.
 Trim, Two-piece interlocking. O. MacNab, S. S. Broido, C. E. Loehr, F. W. Barry, and W. R. Chamberlin. 1,977,073; Oct. 16.
 Trimmer and splitter. M. L. Dodge and E. Lazo. 1,985,820; Dec. 25.
 Trimmer, Combined straight edge and paper. E. Rosenquist. 1,983,773; Dec. 11.
 Trimmer, Dental cast. D. L. Hall. 1,984,740; Dec. 18.
 Trimmer, Hedge. R. T. Kauffman. 1,980,865; Nov. 13.
 Trimmer, Lawn edge. H. J. Buettner. 1,970,838; Aug. 21.
 Trimmer, Lawn edge. F. Friedheim. 1,941,548; Jan. 2.
 Trimmer, Paper. C. T. Ridgely. 1,967,516; July 24.
 Trimmer saw. R. P. Richardson. 1,969,425; Aug. 7.
 Trimming. W. C. Van Dresser. 1,972,412; Sept. 4.
 Trimming apparatus. N. Evangelidi. 1,978,787; Oct. 30.
 Trimming attachment. J. P. Weis. 1,946,514; Feb. 13.
 Trimming device. A. Underwood. 1,983,420; Dec. 4.
 Trimming machine. R. R. Ambler. 1,958,122; May 8.
 Trimming machine. G. Boulton. 1,963,071; June 19.
 Trimming machine. C. G. Brostrom. 1,976,770; Oct. 16.
 Trimming machine. C. G. Brostrom. 1,981,944; Nov. 27.
 Trimming machine. A. Eppler. 1,974,487; Sept. 25.
 Trimming machine. J. B. Hadaway. 1,973,065; Sept. 11.
 Trimming machine. N. W. Mathey. 1,958,921; May 15.
 Trimming machine. T. W. Morris. 1,977,804; Oct. 23.
 Trimming machine. T. P. Weis. 1,946,556-7; Feb. 13.
 Trimming mechanism. J. P. Weis. 1,946,558; Feb. 13.
 Trimming mechanism of typographical line-casting machines. C. A. Albrecht. 1,941,730; Jan. 2.
 Trimming, Method of and apparatus for sole edge. E. C. Tyler. 1,976,815; Oct. 16.
 Trimming, Molded. H. W. Buhler. Re19,257; July 31.
 Trimming, Shelf. M. Caplan. 1,975,251; Oct. 2.
 Trimming, Textile fabric. J. Sobie, L. Kaufman, and S. Graff. Des. 91,849; Mar. 27.
 Trinitrotoluene, Purification of. G. P. Davies. 1,975,598; Oct. 2.
 Triode apparatus. D. E. Sparks. 1,966,910; July 17.
 Triode vacuum tube. W. G. Wade. 1,949,397; Feb. 27.
 Triourea from ammonium thiocyanate, Manufacture and separation of. M. Donauer. 1,949,738; Mar. 6.
 Trip for hydraulic circuits, Delayed. H. Ernst and C. W. Goodrich. 1,978,346; Oct. 23.
 Trip mechanism for hydraulically controlled gear unit. R. A. Schafer. 1,947,311; Feb. 13.
 Trip valve. A. V. Hose. 1,956,987; May 1.
 Tripping mechanism for excavating machines. G. H. Olson and H. N. Ekblom. 1,977,287; Oct. 16.
 Triple view sign, Variable. L. F. Buescher and C. E. Akers. 1,967,658; July 24.
 Tripod. O. U. Zerk. 1,962,547-8; June 12.
 Tripod for machine guns. T. J. Heavey. 1,977,629; Oct. 23.
 Tripod stabilizer. E. K. Johnson. 1,948,584; Feb. 27.
 Trolley bucket. F. F. Waechter. 1,965,397; July 3.
 Trolley contactor. F. H. Richterkessing. 1,966,137; July 10.
 Trolley conveyer. S. Shafer, jr. 1,962,531; June 12.
 Trolley conveyer, Swivel. R. H. Carter. 1,968,373; July 31.
 Trolley for mast arms. A. McIlrath. 1,959,172; May 15.
 Trolley frog. W. Schaake. 1,979,708; Nov. 6.
 Trolley pole carrier, Spare. H. A. Leonhauser. 1,944,289; Jan. 23.
 Trolley shoes, Making. A. J. Langhammer. 1,980,540; Nov. 13.
 Trolley slide. K. M. Wilkins. 1,951,459; Mar. 20.
 Trolley switch. J. F. Woolley, jr., and L. J. Long. 1,962,544-5; June 12.
 Trolley wire device. F. L. Wolf. 1,978,830; Oct. 30.
 Trolley wire hanger. C. L. Greer. 1,972,418; Sept. 4.
 Trolley wire hanger. S. S. Matthes. 1,975,552; Oct. 2.
 Trolley wire holder, Safety. A. Gulla. 1,949,833; Mar. 6.
 Trolley wire lubricating device. C. Huttleston. 1,960,441; May 29.
 Trolley wire suspending means. C. L. Greer. 1,965,036; July 3.
 Trombone. O. E. Beers. 1,951,267; Mar. 13.
 Trough bead attaching hook. B. Nord. 1,962,785; June 12.
 Trough for animals, Drinking. G. Schneider. 1,980,640; Nov. 13.
 Trough, Sheet metal flume. A. C. Norton. 1,982,064; Nov. 27.
 Trouser hanger. R. Matthews. 1,962,453; June 12.
 Trousers. W. P. Goldman. 1,953,065; Apr. 3.
 Trousers. I. M. Matheson and J. A. Wilkinson. 1,959,486; May 22.
 Trousers, Athletic. F. P. Dwyer. Des. 91,708; Mar. 13.
 Trousers, Athletic. F. P. Dwyer. Des. 92,392; June 5.
 Trousers support. A. L. Andrews. 1,948,251; Feb. 20.
 Trowel. S. J. Ameer. 1,956,370; Apr. 24.
 Trowel, Planting. F. Schmiett. 1,983,815; Dec. 11.
 Truck. T. V. Buckwalter. 1,952,043; Mar. 27.
 Truck. T. V. Buckwalter. 1,967,808; July 24.
 Truck. J. L. Clyde. 1,985,362; Dec. 25.
 Truck. R. B. Cottrell. 1,970,841; Aug. 21.
 Truck. P. De Samelson, S. Pulaski, and J. Kreher. 1,953,751; Apr. 3.
 Truck. W. C. Hedgecock. 1,972,934; Sept. 11.
 Truck. W. C. Hedgecock. 1,977,585; Oct. 16.
 Truck. W. C. Hedgecock and E. G. Busse. 1,969,130; Aug. 7.
 Truck. C. W. Meyers. 1,942,562; Jan. 9.
 Truck. A. H. Oelkers. 1,964,928; July 3.
 Truck. H. A. Van Guelpen. 1,979,236; Oct. 30.
 Truck. A. Walton. 1,970,990; Aug. 21.
 Truck and mound covering device, Combined. J. W. Wilhelm. 1,950,425; Mar. 13.
 Truck assembly. R. A. Norbom. 1,961,010; May 29.
 Truck, Bag. S. J. Pehrsson. 1,979,406; Nov. 6.
 Truck body. J. P. Heil. 1,955,807; Apr. 24.
 Truck body. A. C. Korte. 1,952,442; Mar. 27.
 Truck body. H. C. Lima. 1,945,532; Feb. 6.
 Truck body and heating same. R. Ferwerda. 1,942,207; Jan. 2.
 Truck bolster. G. S. Chiles. 1,971,768; Aug. 28.

- Truck bolster. W. C. Hedgecock and R. B. Cottrell. 1,969,131; Aug. 7.
- Truck bolster. H. H. Wolfe. 1,957,570; May 8.
- Truck brake rigging. F. E. Schwentler. 1,947,675; Feb. 20.
- Truck. Car. T. V. Buckwalter. 1,953,103; Apr. 3.
- Truck, Car. J. C. Larsen. 1,952,378; Mar. 27.
- Truck, Car. M. H. Martin. 1,971,192; Aug. 21.
- Truck, Car. J. A. Shafer. 1,964,183-4; June 26.
- Truck, Car. J. J. Sullivan. 1,952,295; Mar. 27.
- Truck, Car. H. D. Taylor. 1,953,319; Apr. 3.
- Truck, Coal charging. C. Still. 1,943,635; Jan. 16.
- Truck concrete mixer. G. Jaeger. Ref. 1,985; Feb. 13.
- Truck construction. D. L. Lea. 1,965,943-4; July 10.
- Truck construction. Railway. T. V. Buckwalter. 1,967,805-7; July 24.
- Truck construction, Railway. O. J. Horger. 1,967,822; July 24.
- Truck, Dump. A. K. Brumbaugh. 1,958,908; May 15.
- Truck, Dump. A. K. Brumbaugh. 1,961,193; June 5.
- Truck, Dumping. G. F. Horton. 1,952,986; Mar. 27.
- Truck for handling cloth. D. Gessner. 1,959,622; May 22.
- Truck for individual-axle drive locomotives, Articulated. W. A. Giger. 1,953,401; Apr. 3.
- Truck for locomotives, passenger cars and the like. T. V. Buckwalter. 1,982,898; Dec. 4.
- Truck for power mowers, Transporting. J. S. Clapper. 1,983,599; Dec. 11.
- Truck frame. P. C. Withrow and B. F. Fry. 1,948,151; Feb. 20.
- Truck, Hand. E. E. Gomes and S. L. Hancock. 1,953,880; Apr. 3.
- Truck, Hand. L. D. Smith. 1,969,048; Aug. 7.
- Truck, Industrial. E. J. Abbe. 1,977,815; Oct. 23.
- Truck, Industrial. R. J. Burrows. 1,954,345; Apr. 10.
- Truck, Industrial. R. A. Clark. 1,975,252; Oct. 2.
- Truck, Industrial. B. E. Clarkson. 1,973,681; Sept. 11.
- Truck, Industrial. R. C. Howell and F. J. Avery. 1,985,169; Dec. 18.
- Truck, Industrial. E. H. Remde. 1,952,730; Mar. 27.
- Truck, Industrial. E. H. Remde. 1,964,273; June 26.
- Truck, Industrial. W. Schroeder. 1,948,802; Feb. 27.
- Truck, Industrial. M. S. Towson. 1,941,767; Jan. 2.
- Truck, Lateral motion. T. H. Symington. 1,958,806; May 15.
- Truck, Lift. A. M. Barrett. 1,945,587; Feb. 6.
- Truck, Lift. A. M. Barrett. 1,958,292; May 8.
- Truck, Lift. A. M. Barrett. 1,981,983; Nov. 27.
- Truck, Lift. W. Stuebing, Jr. 1,953,872; Apr. 3.
- Truck, Lift-hand. A. Bizzarri. 1,942,272; Jan. 2.
- Truck, Lifting. W. Stuebing, Jr. 1,968,659; July 31.
- Truck lifting device. J. J. Neuman. 1,952,138; Mar. 27.
- Truck loading apparatus. F. A. Lower. 1,977,447; Oct. 16.
- Truck, Material handling. F. Roesner. 1,978,170; Oct. 23.
- Truck, Mining machine. E. F. Muller. 1,972,352; Sept. 4.
- Truck mixer. E. C. Leach and E. O. Hamren. 1,982,817; Dec. 4.
- Truck, Motor driven tank. H. W. Kizer. Des. 93,559; Oct. 9.
- Truck, Multiple lift. A. M. Barrett. 1,954,980; Apr. 17.
- Truck, Power operated dump. J. L. Alexander and E. R. Eaton. 1,963,117; July 31.
- Truck, Rail vehicle. T. V. Buckwalter. 1,967,804; July 24.
- Truck, Railway. H. A. Bergert. 1,982,897; Dec. 4.
- Truck, Railway. A. Christianson. 1,962,893; June 12.
- Truck, Railway. G. F. Couch. 1,959,905; May 22.
- Truck, Railway. B. W. Kadel and D. S. Barrows. 1,963,914; June 19.
- Truck, Railway. L. Richardson and C. E. Barba. 1,970,978; Aug. 21.
- Truck, Railway. A. C. Wintemberg. 1,948,250; Feb. 20.
- Truck, Railway car. K. M. Hamilton. 1,957,833-4; May 8.
- Truck, Railway car. S. B. Haseltine. 1,976,937; Oct. 16.
- Truck, Railway car. W. F. Kiesel, Jr. 1,983,088; Dec. 4.
- Truck, Railway car. T. H. Symington. 1,982,704; Dec. 4.
- Truck, Railway motor. W. J. Allman. 1,969,919; Aug. 14.
- Truck, Refrigerated. H. Plew. 1,969,151; Aug. 7.
- Truck, Refrigerator. L. A. De More. 1,950,599; Mar. 13.
- Truck relief drivers, Convertible sitting or reclining quarters for motor. P. Thomas. 1,968,232; July 31.
- Truck, Scooping and dumping hand. R. C. Yant. 1,955,997; Apr. 24.
- Truck, Self-loading. H. C. Lima. 1,945,533; Feb. 6.
- Truck, Self loading and unloading. J. H. Walker. 1,967,166; July 17.
- Truck, Self-loading dump. H. C. Botsford. 1,952,742; Mar. 27.
- Truck side frame. W. C. Hedgecock. 1,962,442; June 12.
- Truck, Side lift. W. Stuebing, Jr. 1,953,046; Mar. 27.
- Truck, Six wheel. C. L. Orr. 1,981,118; Nov. 20.
- Truck structure. D. and E. H. Kendall. 1,970,606; Aug. 21.
- Truck structure, Railway. K. S. Howard and E. C. Jackson. 1,955,915; Apr. 24.
- Truck, Tank. H. C. French and F. G. Thwaites. Des. 91,930; Apr. 10.
- Truck tank underframe. W. V. Brown. 1,946,834; Feb. 13.
- Truck, Tongue. F. E. Hand. 1,952,497; Mar. 27.
- Truck-trailer combination. I. H. Judd. 1,975,850; Oct. 9.
- Truck, Welded railway. O. K. Kjolseth. 1,978,206-7; Oct. 23.
- Truck wheel, Dual tired. L. D. Kay. 1,945,277; Jan. 30.
- Truck wheel, Dual-tired. L. D. Kay. 1,947,911; Feb. 20.
- Truck with side bearing means, Inboard. M. H. Martin. 1,963,470; June 19.
- Trucking equipment, Floor. J. T. Earle and A. McNeese. 1,948,206; Feb. 20.
- Trucks. C. L. Moorman and T. H. Davis. 1,956,245; Apr. 24.
- Trucks and similar vehicles into winches, Device for transforming motor. M. Landrin. 1,941,945; Jan. 2.
- Truing apparatus. E. Sobolewski. 1,954,771; Apr. 10.
- Truing device. H. Spencer and F. Davis. 1,971,280; Aug. 21.
- Truing device for abrasive wheels. G. J. Sutton. 1,960,760; May 29.
- Truing device for grinding wheels. J. Edgar. 1,979,536; Nov. 6.
- Trunk. J. V. Bosque. 1,954,913; Apr. 17.
- Trunk and carrier for automobiles. W. H. Taylor. 1,947,745; Feb. 20.
- Trunk, Automobile. C. J. Carlson. 1,966,539; July 17.
- Trunk, Automobile. A. A. Hanson. 1,941,860; Jan. 2.
- Trunk, Convertible. F. Hofstad. 1,956,097; Apr. 24.
- Trunk, Reserve fuel and accessory. O. C. Sumner. 1,966,022; July 10.
- Trunk structure and mounting. M. Kessler. 1,953,858; Apr. 3.
- Trunk, Wardrobe. H. N. Williams. 1,964,615; June 26.
- Trunk, Wardrobe. H. N. Williams. 1,964,706-7; June 26.
- Trunnion adjustable support. E. J. Langer. 1,944,185; Jan. 23.
- Trunnion structure for ladles. W. de Fries. 1,944,824; Jan. 23.
- Trunnion tilt corrector. B. A. Wittkhuhs. 1,985,756; Dec. 25.
- Truss. N. Dondelinger. 1,948,785; Feb. 27.
- Truss. H. A. French. 1,972,080; Sept. 4.
- Truss. L. D. Gandion. 1,964,113; June 26.
- Truss. B. F. Pease. 1,956,299; Apr. 24.
- Truss. M. J. Stepan. 1,951,069; Mar. 13.
- Truss. W. P. Walter. 1,981,157; Nov. 20.
- Truss and support, Abdominal. M. Kappner. 1,966,175; July 10.
- Truss, Arcuate. I. Nozawa. 1,976,188; Oct. 9.
- Truss, Bar structural. W. M. Pratt. 1,983,874; Dec. 11.
- Truss chain. J. A. Bettin. 1,953,388; Apr. 3.
- Truss, Hip. T. Ziminski. 1,983,829; Dec. 11.
- Truss member for aircraft and the like. J. P. Tarbox. 1,949,818; Mar. 6.
- Truss, Roof. W. M. Pratt. 1,968,096; July 31.
- Truss, Roof. W. M. Pratt. 1,973,882; Sept. 18.
- Truss-type joist. W. B. Miller and F. Eroskey. 1,983,632; Dec. 11.
- Truss type track link. E. J. Rimple. 1,950,748; Mar. 13.
- Truss, Welded. J. E. Webster. 1,963,184; June 19.
- Truss wheel construction. I. H. Athey. 1,946,122; Feb. 6.
- Tub. J. J. McCabe. Des. 91,568-71; Feb. 20.
- Tub. J. J. McCabe. Des. 91,632; Feb. 27.
- Tub. J. J. McCabe. Des. 94,037; Dec. 11.
- Tub and control panel for a domestic washing machine, Combined. G. B. Keil. Des. 93,276; Sept. 11.
- Tub cover. J. E. Dillard. 1,948,204; Feb. 20.
- Tub, Foot. C. L. Weirich. 1,965,558; July 3.
- Tub or the like, Butter. R. J. Burben. 1,977,041; Oct. 16.
- Tub, Washing machine. C. C. Weisbrod. Des. 94,178; Dec. 25.
- Tubs and the like, Making butter. R. J. Burben. 1,970,278; Aug. 14.
- Tube: See—
- Abrasion resisting tube.
- Amplifier tube.
- Cathode ray oscillograph tube.
- Cathode ray tube.
- Coil tube.
- Collapsible tube.
- Corrugated tube.
- Demountable tube.
- Discharge tube.
- Dispensing tube.
- Draft tube.
- Electric discharge tube.
- Electric glow discharge tube.
- Electrical discharge tube.
- Electrical repeater tube.
- Electroluminescent tube.
- Electron discharge tube.
- Electron tube.
- Electronic tube.
- Electrooptical tube.
- Finned tube.
- Gas filled tube.
- Gaseous discharge tube.
- Gauge tube.
- Gauged dose tube.
- Glow discharge tube.
- Heat transfer tube.
- Inner tube.
- Internally ribbed tube.
- Leakproof collapsible tube.
- Lenard ray tube.
- Light-sensitive tube.
- Luminescent tube.
- Luminous discharge tube.
- Mercury arc tube.
- Microray tube.
- Micro-ray vacuum tube.
- Milling tube.
- Multiple unit tube.
- Nonmicrophonic tube.
- Oil still tube.
- Paste tube.
- Photo-electric tube.
- Photoglow tube.
- Pitot-static tube.
- Pneumatic dispatch tube.
- Pneumatic inner tube.
- Power tube.
- Rectifier tube.
- Self-closing tube.
- Self-sealing paste tube.
- Self-sealing tube.
- Shot shell tube.
- Soft X-ray tube.
- Space discharge tube.
- Speaking tube.
- Thermionic tube.
- Thermionic vacuum tube.
- Torpedo tube.
- Trigger tube.
- Triode vacuum tube.
- Vacuum discharge tube.
- Vacuum tube.
- Venturi tube.
- Woven wire tube.
- X-ray tube.

- Tube. I. Harter. 1,945,549; Feb. 6.
 Tube and circuit therefor, High voltage discharge. T. E. Allibone. 1,981,537; Nov. 20.
 Tube and container for analogous purposes, Collapsible. L. R. Homewood and C. R. Turner. 1,975,545; Oct. 2.
 Tube and die expander. G. Wiedeke. 1,944,338; Jan. 23.
 Tube and making the same. C. Dreyfus. 1,964,724; July 3.
 Tube and operating same, Electric discharge. G. Zecher. 1,971,891; Aug. 28.
 Tube and similar container for plastic and viscous substances. I. Marcher. 1,960,387; May 29.
 Tube apparatus, Pneumatic dispatch. J. T. Needham. 1,964,167; June 26.
 Tube attachment for monocular microscopes, Ocular. W. Bauersfeld. 1,966,784; July 17.
 Tube base and socket. J. Hirmann. 1,976,561; Oct. 9.
 Tube bends, Making. J. H. Williams. 1,956,604; May 1.
 Tube cap, Collapsible. F. B. Strang. 1,954,717; Apr. 10.
 Tube cap holder, Collapsible. G. R. Fearebay. 1,956,500; Apr. 24.
 Tube cap, Paste. J. W. Tanfield. 1,980,642; Nov. 13.
 Tube clamp. R. G. Blossom. 1,959,074; May 15.
 Tube clamping and carrying device. P. B. Abramsen. 1,985,757; Dec. 25.
 Tube closing machine. C. J. Westin. 1,975,996; Oct. 9.
 Tube closure. W. E. Jackson. 1,972,344; Sept. 4.
 Tube closure. W. L. White. 1,967,797; July 24.
 Tube closure, Collapsible. W. T. Borthwick. 1,964,104; June 26.
 Tube closure, Collapsible. L. Goldberger. 1,951,510; Mar. 20.
 Tube closure, Collapsible. W. B. Stewart. 1,963,766; June 19.
 Tube closure, Collapsible. E. A. Tappe. 1,945,872; Feb. 6.
 Tube closure, Collapsible. M. Tierman. 1,977,500; Oct. 16.
 Tube closure valve. O. B. Stauffer. 1,956,880; May 1.
 Tube closing machine with sealing rolls. C. J. Westin. 1,983,505; Dec. 4.
 Tube compressor. F. S. Hyatt. 1,968,454; July 31.
 Tube connecting device. F. E. Key. 1,955,003; Apr. 17.
 Tube connecting device. F. E. Key. 1,970,856; Aug. 21.
 Tube construction, Flexible. E. C. Booth. 1,971,595; Aug. 28.
 Tube, container and receptacle, Collapsible. R. W. Storrs. 1,985,587; Dec. 25.
 Tube coupling. F. A. Barnes. 1,943,717; Jan. 16.
 Tube coupling. C. W. Fletcher and R. H. Stone. 1,982,732; Dec. 4.
 Tube coupling. P. J. McIntyre. 1,969,142; Aug. 7.
 Tube coupling. A. L. Parker. 1,977,240-1; Oct. 16.
 Tube coupling. B. L. Quarstrom. 1,961,453; June 5.
 Tube cutter. L. Edelmann. 1,969,168; Aug. 7.
 Tube cutter. R. L. Myers. 1,945,949; Feb. 6.
 Tube cutter. W. A. Phillips. 1,953,975; Apr. 10.
 Tube cutter, Self feeding. J. E. Kenerson. 1,977,441; Oct. 16.
 Tube cutting machine. G. O. Frostad. 1,949,999; Mar. 6.
 Tube drawing apparatus. C. H. Wallis. 1,951,073; Mar. 13.
 Tube electrode receptacle, Luminescent. C. M. H. Nelson. 1,942,724; Jan. 9.
 Tube expander. F. C. Naher. 1,942,612; Jan. 9.
 Tube extrusion press, Hydromechanically operated. K. Keck. 1,976,447; Oct. 9.
 Tube feeder and cutter. A. M. Scott. 1,967,374; July 24.
 Tube feeding and stripping device. A. J. Hersam. 1,976,991; Oct. 16.
 Tube flanging tool. A. J. Scholtes. 1,983,407; Dec. 4.
 Tube flaring tool. H. W. Eden. 1,976,878; Oct. 16.
 Tube for amplifying electric oscillations, Discharge. G. Holst and B. D. H. Tellegen. 1,945,041; Jan. 30.
 Tube for pneumatic tires, Non-collapsible inflation. P. Tracy. 1,970,675; Aug. 21.
 Tube forming and drawing machine, Seamless. G. Nesheff. 1,962,323; June 12.
 Tube forming and threading machine, Collapsible. P. Witte. 1,966,877; July 17.
 Tube forming machine. J. L. Adams, jr. 1,942,466; Jan. 9.
 Tube frame for Axminster looms. W. E. McCleary. 1,983,864; Dec. 11.
 Tube generator, Inductively back-coupled. H. Schumacher. 1,960,419; May 29.
 Tube handling apparatus. A. P. Diescher. 1,964,508; June 26.
 Tube handling apparatus. J. W. Offutt. 1,984,756; Dec. 18.
 Tube hanger. W. H. Scott and J. C. Ducommun. 1,977,247; Oct. 16.
 Tube having a gaseous filling, Incandescible cathode discharge. A. Kuntke. 1,963,051; June 12.
 Tube holder. F. Harrold. 1,949,607; Mar. 6.
 Tube indicating device, Rotating. T. Zuschlag. 1,964,776; July 3.
 Tube joint. F. L. Taylor. 1,980,451; Nov. 13.
 Tube joints, Making and testing. T. A. Corby. 1,977,987; Oct. 23.
 Tube machine, Collapsible. W. Prussing. 1,963,280; June 19.
 Tube making apparatus. A. P. Diescher. 1,946,933; Feb. 13.
 Tube making, capping, printing, and enameling machine. W. Prussing. 1,947,171; Feb. 13.
 Tube making machine. A. Potdevin. 1,975,121; Oct. 2.
 Tube, Manufacture. S. Smith. 1,969,665; Aug. 7.
 Tube manufacture, Method and apparatus for. C. W. Littler and F. E. Fieger. 1,970,570; Aug. 21.
 Tube mill. B. C. Moise. 1,973,687; Sept. 11.
 Tube mill layout. W. Bark and O. F. Olson. 1,980,368; Nov. 13.
 Tube mill or ball mill. C. L. Carman. 1,975,501; Oct. 2.
 Tube or container, Collapsible. R. W. Sherman. 1,970,631; Aug. 21.
 Tube paste dispenser and valve closure therefor. R. Kirmss. 1,978,798; Oct. 30.
 Tube pulling device. R. Armstrong. 1,964,023; June 26.
 Tube reducing means. J. R. Coe. 1,980,186; Nov. 13.
 Tube reforming machine. J. L. Cassady. 1,957,388; May 1.
 Tube shaping tool. E. S. Cornell, jr. 1,971,251; Aug. 21.
 Tube splicing machine. W. J. Breth. 1,963,013; June 12.
 Tube stabilizer, Torque. E. L. Splinter. 1,968,229; July 31.
 Tube support and cooling system, High power. L. A. Gebhard, E. L. White, and C. F. Rudolph. 1,980,753; Nov. 13.
 Tube system, Luminous. G. E. Hill. 1,963,366; June 19.
 Tube tester. J. R. Barnhart. 1,946,466; Feb. 13.
 Tube testing apparatus. J. H. Miller. 1,963,208; June 19.
 Tube welding machine. J. L. Anderson. 1,960,524; May 29.
 Tube within an open well hole, Centrally positioning a. C. B. Kennedy. 1,959,368; May 22.
 Tube head. A. B. Mullin. 1,956,330; Apr. 24.
 Tubes and cable sheaths, Manufacture of lead. G. Zapf. 1,978,976; Oct. 30.
 Tubes and particularly tubes for heat transference devices, Manufacture of. W. J. Still. 1,951,568; Mar. 20.
 Tubes and pipes, Apparatus for making butt joined. H. Mayweg. 1,944,096; Jan. 16.
 Tubes and pipes, Apparatus for making butt welded. H. Mayweg. 1,944,095; Jan. 16.
 Tubes and pipes, Making. H. Mayweg. 1,944,094; Jan. 16.
 Tubes and rounds, Apparatus for finishing. P. B. Abramson. 1,977,225; Oct. 16.
 Tubes, Apparatus for and method of producing metal. R. C. Stiefel. 1,957,916; May 8.
 Tubes, Apparatus for bright annealing. C. T. Paugh. 1,960,453; May 29.
 Tubes, Apparatus for rolling or drawing of. W. H. Engelbertz. 1,961,209; June 5.
 Tubes, Apparatus for the lighting of luminescent. D. P. A. A. Kayser. 1,942,105; Jan. 2.
 Tubes, Arrangement for the feeding of gaseous. B. C. W. Hagelin. 1,952,246; Mar. 27.
 Tubes, Bending. L. W. Snell. 1,943,700; Jan. 16.
 Tubes by extrusion, Producing seamless. A. Liebergeld and F. Singer. 1,955,243; Apr. 17.
 Tubes by the push bench process, Manufacture of. F. A. Troxel. 1,981,930; Nov. 27.
 Tubes, Continuous method of making sheet cellulose. O. W. Diefenbach. 1,944,970; Jan. 30.
 Tubes, Controlling gas filled discharge. C. S. Demarest. 1,955,874; Apr. 24.
 Tubes, Corrugating. J. V. Giesler. 1,980,264; Nov. 13.
 Tubes, Deflating pneumatic. W. V. Smith. 1,947,678; Feb. 20.
 Tubes, Dispensing the contents of collapsible. K. B. Van Woert, jr. 1,981,532; Nov. 20.
 Tubes, Drawing. R. H. Cowdery. 1,963,048; June 12.
 Tubes, Expanding. G. R. Maupin. 1,951,833; Mar. 20.
 Tubes for boilers, heat exchangers, and the like. R. S. Brown. 1,979,859; Nov. 6.
 Tubes for tires, Method of and apparatus for making inner. F. T. Roberts. 1,974,629; Sept. 25.
 Tubes into lengths and apparatus therefor, Cutting. F. C. Matthews, F. E. Brown, and J. W. H. Pengelly. 1,981,059; Nov. 20.
 Tubes, Making. M. M. Osborne. 1,971,829; Aug. 28.
 Tubes, Making butt-welded. M. C. Summers. 1,978,235; Oct. 23.
 Tubes, Making seamless. J. J. Dunn and P. C. Patterson. 1,942,541; Jan. 9.
 Tubes, Manufacture of electron emission. L. L. Jones and J. A. Flanzar. 1,983,668; Dec. 11.
 Tubes, Manufacture of paper. W. H. Woodford. 1,943,501; Jan. 16.
 Tubes, Manufacture of rubber. R. W. Snyder. 1,956,050; Apr. 24.
 Tubes, Manufacture of seamless. W. Bark. 1,945,929; Feb. 6.
 Tubes, Manufacture of selenium. G. F. Metcalf and A. J. Kling. 1,978,165; Oct. 23.
 Tubes, Manufacture of sheet metal. E. W. Riemenschneider. 1,984,083; Dec. 11.
 Tubes, Method and apparatus for corrugating. P. E. Cate. 1,968,124; July 31.
 Tubes, Method and apparatus for making. W. Bark and F. W. Waterman. 1,979,726; Nov. 6.
 Tubes, Method and apparatus for testing thermionic. J. H. Miller. 1,957,074; May 1.
 Tubes, Method and apparatus for the manufacture of. F. E. Fieger. 1,978,422; Oct. 30.
 Tubes, Method and machine for making corrugated. L. H. Brinkman. 1,982,369; Nov. 27.
 Tubes, Method and apparatus for making seamless. J. U. Devine. 1,983,934; Dec. 11.

- Tubes, Method of and apparatus for corrugating metallic. M. H. Ward. 1,984,002; Dec. 11.
- Tubes, Method of and apparatus for forming filled textile. A. Allwood and T. R. Broom. 1,964,656; June 26.
- Tubes of celluloid or the like, Apparatus for producing closed ended. J. N. Whitehouse. 1,948,605; Feb. 27.
- Tubes of electrified neon gas, Producing white luminous. R. de Lamprecht. 1,979,606; Nov. 6.
- Tubes, Operating gas filled luminescent. C. P. Boucher. 1,950,395; Mar. 13.
- Tubes, Process and apparatus for making corrugated. M. Knab. 1,953,468; Dec. 4.
- Tubes, Process and apparatus for the manufacture of corrugated. A. Dreyer. 1,952,239; Mar. 27.
- Tubes, Process and machine for manufacturing. E. Pump. 1,941,953; Jan. 2.
- Tubes, Process of and apparatus for manufacturing seamless flexible. R. Weingand. Re19,329; Sept. 25.
- Tubes, Producing flattened metal. L. E. Trembley. 1,952,362; Nov. 27.
- Tubes, Production of seamless. R. C. Stiefel. 1,957,915; May 8.
- Tubes, Protecting power amplifier. J. D. Wallace. 1,955,352; Apr. 17.
- Tubes, rods or bars, Manufacture of fluted, corrugated, twisted, or other like metal or other. J. J. and W. Reimann. 1,951,063; Mar. 13.
- Tubes, Shaping metal. B. H. Urschel. 1,983,584; Dec. 11.
- Tubes, Tapering. J. K. Jamison. 1,982,874; Dec. 4.
- Tubing. P. H. Chase and J. R. Falconer. 1,951,394; Mar. 20.
- Tubing and drill pipe rack. W. F. Harrah. 1,971,609; Aug. 28.
- Tubing, Apparatus for and method of drying cellulose. A. G. Hewitt. 1,967,773; July 24.
- Tubing bottom. T. C. Patten. 1,974,664; Sept. 25.
- Tubing catcher. W. R. Guiberson. 1,950,793; Mar. 13.
- Tubing control head. A. J. and K. T. Penick. 1,971,381; Aug. 28.
- Tubing, Corrugating. H. H. Babcock. 1,946,472; Feb. 13.
- Tubing head. W. L. Church. 1,944,545; Jan. 23.
- Tubing machine. V. Royle. 1,949,084; Feb. 27.
- Tubing, Method and apparatus for making a split flexible. W. E. Phillips. 1,964,407; June 26.
- Tubing, Method of and apparatus for manufacturing. P. H. Chase, J. R. Falconer, and W. O. Cunningham. 1,945,594; Feb. 6.
- Tubing, Method of and machine for producing spiral fin. C. W. Owston. 1,950,623; Mar. 13.
- Tubing, Nonporous vacuum and pressure. J. A. Kennedy. 1,972,523; Sept. 4.
- Tubing or pipe, Producing. C. G. Naylor. 1,943,035; Jan. 9.
- Tubing or the like, Apparatus for producing. S. F. Clement. 1,958,181; May 8.
- Tubing or the like, Flexible ventilating. W. H. Evans. 1,948,909; Feb. 27.
- Tubing, Pebble finished metal. C. H. Reinert and K. J. Lawrence. 1,962,876; June 12.
- Tubing, Rubberizing. J. A. Kennedy. 1,956,722; May 1.
- Tubing spider. H. R. Standlee. 1,966,906; July 17.
- Tubing top. A. G. Heggem. 1,973,809; Sept. 18.
- Tubular article, Sectional. G. L. Colbie. 1,962,428; June 12.
- Tubular articles, Forming. L. W. Fogg and G. W. Lentz. 1,944,073; Jan. 16.
- Tubular articles from strip material, Method and apparatus for making. G. L. Colbie. 1,955,410; Apr. 17.
- Tubular articles, Method of and apparatus for welding. C. Carlsen. 1,983,930; Dec. 11.
- Tubular articles, Strip wound. G. L. Colbie. 1,945,967; Feb. 6.
- Tubular bends, Method of and apparatus for forming. M. W. Kellogg. 1,962,510; June 12.
- Tubular bodies of glass and the like, Apparatus for the drawing of. J. Cardot. 1,949,037; Feb. 27.
- Tubular bodies with blasts, Method of and apparatus for treating the inner surface of. W. Eckler. 1,952,848; Mar. 27.
- Tubular heater. N. W. Thompson. 1,962,262; June 12.
- Tubular heating element. T. Griswold, jr. 1,942,694; Jan. 9.
- Tubular member for heat exchangers. D. W. Rudorff. 1,952,896; Mar. 27.
- Tubular members, Apparatus for manufacturing. W. J. Bauer. 1,980,173; Nov. 13.
- Tubular members, Flanging. J. Squires. 1,966,053; July 10.
- Tubular products, Treating. F. N. Speller. 1,984,771; Dec. 18.
- Tuberculosis, Means to prevent the spread of. F. B. Kilmer. 1,980,953; Nov. 13.
- Tucking mechanism. A. E. Hudson. 1,972,226; Sept. 4.
- Tuft. S. and M. Rosberger. 1,951,843; Mar. 20.
- Tuft cutter mechanism for Axminster carpet and like looms. E. J. Perry. 1,982,451; Nov. 27.
- Tuft forming and spacing device for Axminster looms. W. W. Robertson. 1,958,113; May 8.
- Tufting apparatus. E. J. Moench. 1,956,453; Apr. 24.
- Tufting attachment. J. W. Maples and C. Weaver. 1,963,441; June 19.
- Tufting mechanism. H. J. Schomer. 1,945,536; Feb. 6.
- Tug strap protector. I. C. Love. 1,958,669; May 15.
- Tumbler. R. D. Spear. Des. 94,100; Dec. 13.
- Tumbler. J. E. Spence. Des. 93,296; Sept. 11.
- Tumbler. C. H. van Hasselt. 1,978,238; Oct. 23.
- Tumbler, Drinking. B. O. Reuther. 1,968,263; July 31.
- Tumbler, Driving. J. F. Murtaugh. 1,953,362; Apr. 3.
- Tumbler fluting machine. H. R. Schutz. 1,947,881; Feb. 20.
- Tumbler or article of similar nature, Glass. A. H. Nicholson. Des. 93,177-8; Aug. 28.
- Tumbler or similar article. C. A. Hickman. Des. 92,655; July 3.
- Tumbler, Votive light. T. M. O'Connell. 1,945,953; Feb. 6.
- Tumbling mill. G. H. Johnson. 1,967,147; July 17.
- Tuning arrangement. O. E. Dow. 1,941,542; Jan. 2.
- Tuning arrangement. P. Müller. 1,957,796; May 8.
- Tuning coil. M. Osnos. 1,959,543; May 22.
- Tuning coil shifter. C. M. Murdock. Re19,333; Oct. 2.
- Tuning device, Dual-vario selector. F. Zidar. 1,949,733; Mar. 6.
- Tuning device for automobile radioreceivers. E. S. Huff. 1,975,847; Oct. 9.
- Tuning device for radioreceivers, Automatic. R. J. Dodds. 1,972,921; Sept. 11.
- Tuning indicator. A. E. Osborn. 1,955,085; Apr. 17.
- Tuning indicator for radio receivers. H. W. Parker. 1,951,036; Mar. 13.
- Tuning indicator for radios. L. C. Shapiro and P. A. Chamberlain. 1,978,651; Oct. 30.
- Tuning indicator system for radioreceivers. A. Senauke. 1,961,574; June 5.
- Tuning instrument. O. C. Deutscher. 1,947,584; Feb. 20.
- Tuning mechanism for radioreceiving apparatus, Automatic selective. J. E. Wecker, jr. 1,977,330; Oct. 16.
- Tuning mechanism for radio receiving sets. G. W. Oehlsen, jr. 1,977,889; Oct. 23.
- Tuning system, Preselector. M. Flaherty. 1,948,373; Feb. 20.
- Tunnel construction and producing same. J. F. O'Rourke. 1,976,628; Oct. 9.
- Tunnel digging apparatus. L. F. Parker. 1,960,394; May 29.
- Tunnel excavating machine. G. J. Benson. 1,943,103; Jan. 9.
- Tunnel liner. J. Kahn and H. E. White. 1,982,308; Nov. 27.
- Tunnel liner. H. E. White. 1,967,489; July 24.
- Tunnel liner. A. E. Wilko. 1,930,963; Nov. 13.
- Tunnel lining. J. Kahn. 1,982,307; Nov. 27.
- Tunnel lining. A. E. Wilko. 1,979,238; Oct. 30.
- Tunnels, shafts, or the like, Lining. M. McAlpine. 1,979,896; Nov. 6.
- Turbine. H. Danel. 1,958,333; May 8.
- Turbine. J. O. Hamren. 1,966,892; July 17.
- Turbine. G. Léon. 1,973,290; Sept. 11.
- Turbine. F. Ljungström. 1,942,608; Jan. 9.
- Turbine. F. Ljungström. 1,944,987; Jan. 30.
- Turbine. F. Ljungström. 1,950,088; Mar. 6.
- Turbine. W. Wessel. 1,965,817; July 10.
- Turbine aggregate, Steam or gas. F. Ljungström. 1,960,744; May 29.
- Turbine and producing power therewith, Compound gas. H. Holzwarth. 1,982,664; Dec. 4.
- Turbine blade. W. Rohn. 1,948,448; Feb. 20.
- Turbine blade lacing and making the same. L. F. Small, P. F. Lee, and A. A. Jennings. 1,953,089; Apr. 3.
- Turbine blades, Making tubular. C. Lorenzen. 1,947,347; Feb. 13.
- Turbine, Constant pressure reaction gas. R. G. Hill. 1,945,608; Feb. 6.
- Turbine, Double rotary type steam. A. Lysholm. 1,961,616; June 5.
- Turbine, Elastic fluid. O. D. H. Bentley. 1,973,554; Sept. 11.
- Turbine, Elastic fluid. J. H. Doran. 1,949,678; Mar. 6.
- Turbine, Elastic fluid. O. Jungren. 1,949,686; Mar. 6.
- Turbine, Elastic fluid. A. Lysholm. 1,981,872; Nov. 27.
- Turbine, Elastic fluid. R. G. Standerwick. 1,953,782; Apr. 3.
- Turbine, Expansive fluid. A. V. Santarsiero. 1,973,509; Sept. 11.
- Turbine, Explosion. H. Holzwarth. 1,982,665; Dec. 4.
- Turbine, Gas. P. C. Gordon. 1,960,810; May 29.
- Turbine, Hydraulic. G. A. Biggs. 1,942,589; Jan. 9.
- Turbine, Hydraulic. G. A. Biggs. 1,942,995; Jan. 9.
- Turbine, Hydraulic. G. A. Biggs. 1,948,478; Feb. 20.
- Turbine, Hydraulic. G. A. Biggs. 1,950,733-7; Mar. 13.
- Turbine, Hydraulic. G. A. Biggs. 1,954,193-4; Apr. 10.
- Turbine, Hydraulic. G. A. Biggs. 1,962,380; June 12.
- Turbine, Hydraulic. G. A. Biggs. 1,962,382-3; June 12.
- Turbine, Hydraulic. G. A. Biggs. 1,977,036; Oct. 16.
- Turbine, Hydraulic. M. F. Gannett. 1,967,302; July 24.
- Turbine, Hydraulic. H. E. Popp. 1,945,071; Jan. 30.
- Turbine locomotive. A. Lysholm and G. K. W. Boestad. 1,969,311; Aug. 7.
- Turbine, Multistage combustion. H. Holzwarth. Re19,228; July 3.
- Turbine of the radial-axial flow type, Elastic fluid. A. Lysholm. 1,961,615; June 5.
- Turbine or pump runner and balancing, Balanced. R. E. B. Sharp. 1,970,435; Aug. 14.
- Turbine plant, Explosion. H. Holzwarth. 1,944,892; Jan. 30.
- Turbine plant without atmospheric recooling, Portable explosion. H. Holzwarth. 1,951,359; Mar. 20.
- Turbine power plant, Portable explosion. H. Holzwarth. 1,953,078; Apr. 3.

- Turbine pump, Deep-well. R. E. Swanson. 1,959,223; May 15.
- Turbine pump, Deep-well. R. E. Swanson. 1,976,200; Oct. 9.
- Turbine pump, Drilled well. J. M. Hait. 1,974,107; Sept. 18.
- Turbine, Radial flow elastic fluid. O. A. Wiberg. 1,944,538; Jan. 23.
- Turbine, Radial flow elastic fluid. O. A. Wiberg and O. Möller. 1,944,537; Jan. 23.
- Turbine, Regulating a steam. J. Y. Dahlstrand. 1,985,404; Dec. 25.
- Turbine, Reversing. J. H. Doran. 1,949,679; Mar. 6.
- Turbine, Reversing steam. J. F. Metten. 1,967,963; July 24.
- Turbine rotor construction. W. G. Noack. 1,966,104; July 10.
- Turbine runner, Hydraulic. G. A. Biggs. 1,962,385; June 12.
- Turbine runners, Apparatus for adjusting hydraulic. G. A. Biggs. 1,962,384; June 12.
- Turbine, Spur-gear power-box for stoker drives, Steam. A. E. Weingartner. 1,951,001-2; Mar. 13.
- Turbine, Steam. A. Meyer. 1,944,520; Jan. 23.
- Turbine, Steam. O. A. Wiberg and O. Möller. 1,944,536; Jan. 23.
- Turbine system for varying load, Gas. A. Lysholm. 1,959,795; May 22.
- Turbine system, Steam. C. E. Lucke. 1,954,823; Apr. 17.
- Turbine, Wind. W. Biehn. 1,974,008; Sept. 18.
- Turbines, Apparatus for governing steam. P. Preisig. 1,973,443; Sept. 11.
- Turbines, Arrangement in hydraulic. W. M. White. 1,975,888; Oct. 9.
- Turbo-generator arrangement, Vertical. A. B. Hendricks, Jr. 1,969,695; Aug. 7.
- Turf and making the same, Artificial. M. Achterhof. 1,949,068; Feb. 27.
- Turf, Artificial. A. B. Merrill. 1,949,063; Feb. 27.
- Turfing machine for making pile fabrics. W. W. Hofmann and O. F. Gerbert. 1,972,265; Sept. 4.
- Turnbuckle for jack pumping systems. D. W. Auld. 1,978,336; Oct. 23.
- Turn indicator. A. Briehle, H. Albert, and A. Stauber. 1,976,213; Oct. 9.
- Turnstile. J. M. Odell. 1,969,414; Aug. 7.
- Turnstile check, Noiseless. A. Anderson. 1,958,458; May 15.
- Turntable. J. D. Acuff. 1,969,634; Aug. 7.
- Turntable. H. C. Elliott. 1,969,398; Aug. 7.
- Turntable. A. McKone. 1,982,392; Nov. 27.
- Turntable, Display. E. Woerner. 1,982,776; Dec. 4.
- Turntable for phonograph records. H. C. Harrison. 1,950,109; Mar. 6.
- Turntable for radio chassis and the like. R. W. Lowrie and C. E. Buchtel. 1,969,310; Aug. 7.
- Turning implement. R. B. Penfield. 1,945,912; Feb. 6.
- Turning machine. G. F. Yager. 1,981,260; Nov. 20.
- Turning mechanism. A. J. Ostrander. 1,967,683; July 24.
- Turpentine gum sampler. N. C. McConnell. 1,953,886; Apr. 3.
- Turret index and suction control for cigar machines. H. H. Wheeler. 1,981,486; Nov. 20.
- Turret support for lubricating apparatus. F. S. Barks. Des. 91,263; Jan. 2.
- Tuyère. J. A. Drogue. 1,944,931; Jan. 30.
- Tuyère. G. Fox and A. J. Whitcomb. 1,969,693; Aug. 7.
- Tuyère. J. C. Goss and H. L. Crispin. 1,946,850; Feb. 13.
- Tuyère, Blast furnace. R. C. Butler. 1,969,294; Aug. 7.
- Tuyère section for coal burning stokers. M. C. Richardson. 1,973,965; Sept. 18.
- Tweezers. A. B. Gardella. 1,974,106; Sept. 18.
- Twine-dispensing device. B. S. Perry. 1,981,388; Nov. 20.
- Twine, nets, and allied equipment, Retarding the decay of fishing. A. Finlayson and P. R. Andrews. 1,960,627; May 29.
- Twine reel. C. B. Colby. Des. 91,984; Apr. 17.
- Twister. P. Schander. 1,957,000; May 1.
- Twisting and the like machine. T. E. Andrew and M. Langstreth. 1,964,021; June 26.
- Twisting machine for conical cross bobbins specially for artificial silk. M. Lenk. 1,974,497; Sept. 25.
- Two-cycle engine. R. Chilton. 1,950,970; Mar. 13.
- Two-line pipe. J. W. Clark and J. P. Nixon. 1,953,701; Apr. 3.
- 2-methylaminobenzene-1-carboxylic acid-4-sulphonic acid. A. Ossenneck and E. Tietze. 1,960,644; May 29.
- 2-methylselenazoline, Preparing. F. L. White. 1,957,870; May 8.
- 2-nitrodiphenyl, Manufacture of. H. Lange. 1,980,537; Nov. 13.
- 2-phenyl-quinoline-4-carboxylic acid and its salts, Purification of. W. H. Glahn and J. Ehrlich. 1,945,270; Jan. 30.
- Two-piece operating table. A. O. Sprague and J. M. Seely. 1,976,100; Oct. 9.
- Two-signal broadcast. C. F. Jenkins. 1,976,785; Oct. 16.
- Two stage method of hydrogenation. E. Steffen, B. Van Voorhees, and L. W. Parsons. 1,974,057; Sept. 18.
- Two-stroke cycle engine. M. L. East. 1,984,013; Dec. 11.
- 2 - (3'-hydroxynaphthyl-2')-4-hydroxy-6,7-benzo-pseudoaziminobenzenes. A. Zitscher. 1,975,383; Oct. 2.
- Tying and sealing means and method. H. B. Foulder. 1,955,627; Apr. 17.
- Type aligning apparatus. E. W. Hewitt. 1,983,904; Dec. 11.
- Type bar cushion for typewriting machine. S. E. Miller. 1,969,411; Aug. 7.
- Type binding means. L. A. Costigan. Re19,269; Aug. 14.
- Type case. E. P. Hamilton. 1,971,749; Aug. 28.
- Type composing, Photographic. E. Uher. 1,975,439; Oct. 2.
- Type-high machine. J. E. Lee and F. Barney. 1,958,793; May 15.
- Type holder. F. H. Poeppelmeier. 1,958,445; May 15.
- Type holder for marking machines. C. A. Putnam and C. H. Cheeseman. 1,953,632; Apr. 3.
- Type holding chase. F. H. Poeppelmeier. 1,972,106; Sept. 4.
- Type holding device. G. D. Marcy. 1,952,019; Mar. 20.
- Type impressions, Inking. C. Gabrielson. 1,967,709; July 24.
- Type impressions, Inking. P. B. Weis. 1,967,729; July 24.
- Type inserting mechanism for printing machines. M. J. Hoffman. 1,982,003; Nov. 27.
- Type justifying means. J. Q. Sherman. 1,967,194; July 17.
- Type-matrix holder, Offset aligning. P. P. Merrill. 1,944,519; Jan. 23.
- Type patrices, Method of and machine for casting. P. Marti. 1,983,913; Dec. 11.
- Typenprinting or setting machine. M. Amann and A. Lahl. 1,964,841; July 3.
- Type retaining device for printing machines. E. H. Aldinger and W. E. Friedrichs. 1,945,625; Feb. 6.
- Type setting machine. P. M. Colquhoun. 1,957,444; May 8.
- Type-setting machine. F. H. Poeppelmeier. 1,975,799; Oct. 9.
- Type-tie. E. G. Magnus. 1,977,800; Oct. 23.
- Typewriter. R. U. Jennings. Des. 93,400; Sept. 25.
- Typewriter action, Noiseless. R. Atti. 1,948,955; Feb. 27.
- Typewriter action, Noiseless. R. Atti. 1,952,192; Mar. 27.
- Typewriter actuator. E. Hopkins. 1,975,791; Oct. 9.
- Typewriter attachment. L. C. Antrim. 1,958,688; May 15.
- Typewriter attachment. L. Jensen. 1,970,314; Aug. 14.
- Typewriter attachment. P. R. Robinson. 1,961,453; June 5.
- Typewriter attachment. W. Weniger. 1,978,068; Oct. 23.
- Typewriter attachment. L. E. Youell. 1,961,028; May 29.
- Typewriter attachment for desks. M. A. Earley. 1,949,118; Feb. 27.
- Typewriter base. S. I. Berger. Des. 93,088; Aug. 21.
- Typewriter key action. R. Grove. 1,960,872; May 29.
- Typewriter line stop. E. S. Hall. 1,944,889; Jan. 30.
- Typewriter machine. S. I. Berger. Des. 93,087; Aug. 21.
- Typewriter platen. J. H. Sperry. 1,977,531; Oct. 16.
- Typewriter ribbon. S. E. Miller. 1,962,082; June 5.
- Typewriter ribbons, Apparatus for holding and feeding. H. T. Mosfelt and H. Schagerholm. 1,949,107; Feb. 27.
- Typewriter, Shorthand. H. B. Smith. 1,954,834; Apr. 17.
- Typewriters, Device for locking the platen of. J. Kraus. 1,953,561; Apr. 3.
- Typewriters, Motor return mechanism for. F. P. Gorin. 1,943,431; Jan. 16.
- Typewriters, Ribbon holding and feeding mechanism for. H. T. Mosfelt and H. Schagerholm. 1,947,730; Feb. 20.
- Typewriters, Thumb shift for. N. A. Young. 1,947,143; Feb. 13.
- Typewriting and computing machine, Combined. A. G. F. Kurowski. 1,948,722; Feb. 27.
- Typewriting and computing machine, Combined. A. G. F. Kurowski. 1,968,894; Aug. 7.
- Typewriting and computing machine, Combined. H. L. Pitman. 1,943,548; Jan. 16.
- Typewriting and computing machine, Combined. H. L. Pitman. 1,955,606; Apr. 17.
- Typewriting and computing machine, Combined. B. C. Stickney. 1,971,239; Aug. 21.
- Typewriting and computing machine, Combined. O. Thieme. 1,962,470; June 12.
- Typewriting and computing machine, Combined. O. Thieme. 1,968,972; Aug. 7.
- Typewriting and computing machine, Combined. O. Thieme. 1,971,544; Aug. 28.
- Typewriting and computing machine, Combined. O. Thieme. 1,973,516; Sept. 11.
- Typewriting and like machine. R. E. Benner. 1,952,053; Mar. 27.
- Typewriting and like machine. J. H. Rand, Jr. 1,967,450; July 24.
- Typewriting, computing, and card-perforating machine, Combined. B. C. Stickney. 1,970,714; Aug. 21.
- Typewriting machine. L. C. Antrim. 1,964,022; June 26.
- Typewriting machine. H. A. Avery. 1,969,773; Aug. 14.
- Typewriting machine. H. A. Avery. 1,981,982; Nov. 27.
- Typewriting machine. W. H. Barber. 1,984,857; Dec. 18.
- Typewriting machine. F. Becker. 1,973,036; Sept. 11.
- Typewriting machine. C. H. Bills. Des. 93,152; Aug. 28.
- Typewriting machine. H. E. Bridgwater and J. C. Connolly. Des. 92,517; June 19.
- Typewriting machine. C. E. Burns. 1,942,999; Jan. 9.
- Typewriting machine. C. W. Crumrine. 1,945,847; Feb. 6.
- Typewriting machine. C. W. Crumrine. 1,955,578; Apr. 17.

- Typewriting machine. C. W. Crumrine. 1,957,322; May 1.
- Typewriting machine. W. A. Dobson. 1,954,472; Apr. 10.
- Typewriting machine. W. A. Dobson. 1,962,177; June 12.
- Typewriting machine. W. A. Dobson. 1,974,041; Sept. 18.
- Typewriting machine. W. A. Dobson. 1,981,348; Nov. 20.
- Typewriting machine. B. J. Dowd. 1,969,597; Aug. 7.
- Typewriting machine. B. J. Dowd and H. J. Hart. Des. 93,093; Aug. 21.
- Typewriting machine. B. J. Dowd and H. J. Hart. 1,985,155; Dec. 18.
- Typewriting machine. C. Gabrielson. Des. 92,070; Apr. 24.
- Typewriting machine. C. Gabrielson. 1,943,428; Jan. 16.
- Typewriting machine. C. Gabrielson. 1,981,034; Nov. 20.
- Typewriting machine. G. G. Going. 1,943,015; Jan. 9.
- Typewriting machine. G. G. Going. 1,945,893-4; Feb. 6.
- Typewriting machine. G. G. Going. 1,956,421; Apr. 24.
- Typewriting machine. G. G. Going. 1,967,436; July 24.
- Typewriting machine. G. G. Going. 1,973,311; Sept. 11.
- Typewriting machine. E. T. Harney. 1,955,912; Apr. 24.
- Typewriting machine. F. A. Hart. 1,945,895; Feb. 6.
- Typewriting machine. F. A. Hart. 1,952,983; Mar. 27.
- Typewriting machine. F. A. Hart. 1,967,437; July 24.
- Typewriting machine. F. A. Hart. 1,973,314-5; Sept. 11.
- Typewriting machine. F. A. Hart. 1,984,410; Dec. 18.
- Typewriting machine. F. A. Hart. 1,985,826; Dec. 25.
- Typewriting machine. W. F. Helmond. 1,962,194; June 12.
- Typewriting machine. E. B. Hess. 1,979,620; Nov. 6.
- Typewriting machine. C. A. Joerissen. Re19,076; Feb. 13.
- Typewriting machine. C. W. Kellogg. 1,967,941; July 24.
- Typewriting machine. J. J. Kittel. Des. 93,169; Aug. 28.
- Typewriting machine. L. C. Myers. 1,953,428; Apr. 3.
- Typewriting machine. L. C. Myers. 1,964,927; July 3.
- Typewriting machine. L. C. Myers. 1,983,482; Dec. 4.
- Typewriting machine. L. A. Nemcovsky. 1,969,274; Aug. 7.
- Typewriting machine. J. L. Petz. 1,942,305; Jan. 2.
- Typewriting machine. J. Phelps. 1,964,802; July 3.
- Typewriting machine. G. J. M. Pilgrim. 1,985,741; Dec. 25.
- Typewriting machine. C. E. Smith. 1,968,100; July 31.
- Typewriting machine. J. A. B. Smith. 1,942,008; Jan. 2.
- Typewriting machine. J. A. B. Smith. 1,948,684; Feb. 27.
- Typewriting machine. J. A. B. Smith. 1,958,645; May 15.
- Typewriting machine. J. A. B. Smith. 1,962,381; June 12.
- Typewriting machine. J. A. B. Smith. 1,971,202; Aug. 21.
- Typewriting machine. J. A. B. Smith. 1,979,292; Nov. 6.
- Typewriting machine. B. C. Stickney. 1,951,453; Mar. 20.
- Typewriting machine. W. A. Thomas. 1,964,371; June 26.
- Typewriting machine. R. G. Thompson. 1,945,836; Feb. 6.
- Typewriting machine. R. G. Thompson. 1,950,761-2; Mar. 13.
- Typewriting machine. R. G. Thompson and C. W. Crumrine. 1,945,097; Jan. 30.
- Typewriting machine. R. G. Thompson and C. W. Crumrine. 1,955,614; Apr. 17.
- Typewriting machine. S. L. Walsoe. 1,964,801; July 3.
- Typewriting machine. E. F. Watson. 1,973,589; Sept. 11.
- Typewriting machine. J. A. Zellers and R. E. Benner. Des. 92,222; May 8.
- Typewriting machine or the like. C. W. H'Doubler and G. I. Mills. 1,966,697; July 17.
- Typewriting machines, Attachment for. G. H. Elwell. 1,949,790; Mar. 6.
- Typewriting machines, Line lock mechanism, bell ringing means, and margin release for. F. H. Trego. 1,963,158; June 19.
- Typewriting machines, Variable spacing feed mechanism for. R. W. Robinson. 1,985,581; Dec. 25.
- Typewriting mechanism. B. Dysart. 1,955,415; Apr. 17.
- Typographical casting machine. G. Rappich. 1,969,662; Aug. 7.
- Typographical casting machine. A. J. Stouges. 1,982,033; Nov. 27.
- Typographical composing and distributing machine. C. A. Albrecht. 1,955,618; Apr. 17.
- Typographical composing and distributing machine. H. Peacock. 1,960,646; May 29.
- Typographical composing machine. H. A. Burt. 1,941,737; Jan. 2.
- Typographical composing machine. H. A. Burt. 1,983,595; Dec. 11.
- Typographical composing machine. J. H. Hilpman. 1,964,850; July 3.
- Typographical composing machine. W. J. Mulroy. 1,983,633; Dec. 11.
- Typographical line-casting machine. E. Gayter. 1,941,741; Jan. 2.
- Typographical machine. H. Borrmann. 1,968,001; July 24.
- Typographical machine. L. M. Chapman. 1,981,845; Nov. 27.
- Typographical machine. H. R. Freund and L. W. Willis. 1,960,182; May 22.
- Typographical machine. W. H. Medford. 1,965,747; July 10.
- Typographical machine. R. H. Turner. 1,946,369; Feb. 6.
- Typographical machine. R. H. Turner. 1,973,586; Sept. 11.
- Typographical mold. H. J. Megley. 1,973,961; Sept. 18.
- Typographical mold. H. J. Megley. 1,980,421; Nov. 13.
- Ullage rod and ventiduct. Combination. W. F. Oliver and J. R. Heidloff. 1,948,310; Feb. 20.
- Ultraviolet radiations, System for producing. W. O. Prouty. 1,965,947; July 10.
- Ultra violet ray lamp. M. Parisi. 1,954,888; Apr. 17.
- Ultra violet ray lamp. M. Parisi. 1,960,503; May 29.
- Umbrella. A. Benjamin. 1,953,387; Apr. 3.
- Umbrella. W. D. Hall. 1,945,685; Feb. 6.
- Umbrella. W. Saxon and W. Lustgarten. 1,969,821; Aug. 14.
- Umbrella construction. W. S. Evans. 1,969,171; Aug. 7.
- Umbrella, Folding. W. A. Livingston. 1,964,292; June 26.
- Umbrella holder. H. J. Mott. 1,955,436; Apr. 17.
- Umbrella identifying means. S. I. Goldstein. 1,965,699; July 10.
- Umbrella locking device. W. Staby. 1,957,678; May 8.
- Umbrella stand. J. F. Sykes. Des. 92,214; May 8.
- Umbrella structure. K. T. Norris and H. E. Rathbun. 1,970,813; Aug. 21.
- Umbrella support. C. C. Harris. 1,982,097; Nov. 27.
- Unbalance indicating device. H. Heymann and C. Ohly. 1,951,828; Mar. 20.
- Uncoiler. E. E. Tross. 1,984,778; Dec. 18.
- Underfloor duct outlet. W. C. Robinson. 1,975,976; Oct. 9.
- Underfloor duct systems, Installing. L. A. Sharp. 1,956,879; May 1.
- Undergarment. A. D. Craig. Re19,380; Nov. 27.
- Undergarment. R. E. Heyn. 1,984,875; Dec. 18.
- Undergarment. P. H. Robbins. 1,979,120; Oct. 30.
- Undergarment. H. B. Snader. 1,966,651; July 17.
- Undergarment. C. W. Tobin. 1,977,329; Oct. 16.
- Undergarment. A. D. Wyckoff. 1,971,669; Aug. 28.
- Undergarment, Adjustable drop seat. J. Bernstein. 1,965,213; July 3.
- Undergarment, Bifurcated. A. Cohen. 1,966,060; July 10.
- Undergarment for women's wear. R. L. Kennedy. 1,965,041; July 3.
- Undergarment, Lady's sanitary. E. Goodman. 1,971,558; Aug. 28.
- Underreamer. F. W. Steinman. 1,970,063; Aug. 14.
- Underreamer, Hydraulic. A. L. Halliday and F. Jones. 1,944,556; Jan. 23.
- Underscreen window operator. A. H. Schaffert. 1,967,481; July 24.
- Undertaker's block. L. J. Werness and R. C. Proudft. 1,973,240; Sept. 11.
- Underwater transmitter and receiver. P. T. Russell. 1,984,383; Dec. 18.
- Underwear for women and girls. M. C. Schrank. 1,933,147; Dec. 4.
- Underwear, Lady's. D. Gershen. 1,979,540; Nov. 6.
- Unhaling bath and process for treating hides. N. D. Harvey, Jr. 1,976,881; Oct. 16.
- Uniform speed reel. C. W. Valentine and A. F. Helhn. 1,951,715; Mar. 20.
- Union, Welding. F. S. Durham. 1,966,403; July 10.
- Unions for metal tubing, Making. I. Cowles. 1,951,860; Mar. 20.
- Unit building construction. J. B. Strauss. 1,945,124; Jan. 30.
- Unit cooler. W. W. Williams. 1,950,344; Mar. 6.
- Unit cylinder clasp brake. R. C. Auriem. 1,952,649; Mar. 27.
- Unit heater. J. Askin. 1,973,678; Sept. 11.
- Unit heater. J. Y. Dahlstrand. 1,949,993; Mar. 6.
- Unit heater. I. W. Knight. 1,961,612; June 5.
- Unit heater. D. T. MacLeod. 1,953,118; Apr. 3.
- Unit heater, Gas fired. W. D. Bell. 1,958,331; May 8.
- Unit of insulation. A. W. Babbitt. 1,984,007; Dec. 11.
- Unit pinion support for multicolor printing machines. H. A. Smith, G. H. Thomson, and S. B. Stafford. 1,975,981; Oct. 9.
- Unit pricing or lettering system and card display holder. L. Wenar. 1,971,738; Aug. 28.
- Unit support for field guns and antiaircraft guns and the like. W. C. L. Haubroe. 1,974,459; Sept. 25.
- Unitary manufacturing set. J. R. Dickson. 1,985,853; Dec. 25.
- Universal balanced grade indicator. A. J. Penote. 1,969,522; Aug. 7.
- Universal corner, reverse and division bar. Combination. A. H. Davis. 1,946,733; Feb. 13.
- Universal coupling. W. T. Charles. 1,949,859; Mar. 6.
- Universal induction regulator. J. Sousedik. 1,951,566; Mar. 20.
- Universal joint. B. B. Anderson. 1,950,207; Mar. 6.
- Universal joint. T. Barish. 1,968,925; Aug. 7.
- Universal joint. M. I. Bradley. 1,980,846; Nov. 13.
- Universal joint. M. I. Bradley. 1,985,278; Dec. 25.
- Universal joint. C. D. Cutting. 1,943,814; Jan. 16.
- Universal joint. C. D. Cutting. 1,966,486; July 17.
- Universal joint. F. M. Guy. 1,978,939; Oct. 30.
- Universal joint. A. F. Hannev. 1,972,559; Sept. 4.
- Universal joint. R. C. Hoffman. 1,947,046; Feb. 13.
- Universal joint. E. F. Loweke. 1,982,441; Nov. 27.
- Universal joint. J. W. B. Pearce. 1,967,840; July 24.
- Universal joint. J. B. Raviola and J. E. Padgett. 1,967,842; July 24.
- Universal joint. R. E. Rundell. 1,948,597; Feb. 27.

- Universal joint. W. W. Slaght and H. F. Braun. 1,968,787; July 31.
- Universal joint. B. K. Stuber. 1,975,758; Oct. 2.
- Universal joint. C. E. Swenson. 1,941,764; Jan. 2.
- Universal joint. C. E. Swenson. 1,949,500; Mar. 6.
- Universal joint. C. E. Swenson. 1,950,579; Mar. 13.
- Universal joint. C. E. Swenson. 1,985,669; Dec. 25.
- Universal joint. B. T. Williston. 1,947,959; Feb. 20.
- Universal joint, Constant velocity. P. R. Morrison. 1,965,853; July 10.
- Universal machine for canting and circular-bending. A. Wachter. 1,944,651; Jan. 23.
- Universal pipe joint. S. G. Plummer. 1,946,110; Feb. 6.
- Universal seat. O. C. Spanenberg. 1,961,530; June 5.
- Universal vacuum frame. W. Owen. 1,959,216; May 15.
- Unknown quantities, Indicating and/or recording. M. J. Johnson. 1,971,313; Aug. 21.
- Unloader. F. P. Cullen. 1,955,536; Apr. 17.
- Unloader for compressors. H. V. Haight. 1,962,072; June 5.
- Unloader for compressors, Automatic. R. F. Lindsay. 1,942,433; Jan. 9.
- Unloader for stokers, Mechanical. H. C. Carter. 1,978,011; Oct. 23.
- Unloading mechanism for belt conveyers. E. F. Miltenberger. 1,982,824; Dec. 4.
- Unloading net for extractors. F. Balzer. 1,969,494; Aug. 7.
- Unloading valve, Vacuum controlled. O. E. Black. 1,968,985; Aug. 7.
- Unlocking means for burial vaults. F. Bisantz. 1,953,549; Apr. 3.
- Unstacker. J. W. Stevenson. 1,969,994; Aug. 14.
- Unwinding device. E. Snyder. 1,956,631; May 1.
- Upholstering cover. H. F. Leopold. 1,980,489; Nov. 13.
- Upholstery and securing means therefor. P. N. Miller and G. Trautvetter. 1,960,949; May 29.
- Upholstery article and producing the same. W. G. Gorham. 1,952,163; Mar. 27.
- Upholstery construction. J. P. Salmon. 1,944,614; Jan. 23.
- Upholstery edge roll and making same. H. J. Jacobs. 1,960,585; May 29.
- Upholstery making apparatus. A. S. Mitchell. 1,963,710; June 19.
- Upholstery-making machine and process. A. S. Mitchell. 1,971,115; Aug. 21.
- Upholstery plait, Method and apparatus for filling. H. J. and F. J. Coyne. 1,963,831; June 19.
- Upholstery, Vehicle. J. Bruckl. 1,979,792; Nov. 6.
- Upper for footwear and making same. V. H. Bodle. 1,947,183; Feb. 13.
- Upper-roughing machine. W. C. Card, jr. 1,943,422; Jan. 16.
- Uppers of shoes, Apparatus for operating upon parts of. J. Fossa. 1,958,536; May 15.
- Upsetting machine. K. F. W. Kempf. 1,972,051; Aug. 28.
- Upsetting mechanism. R. L. Wilcox. 1,980,653; Nov. 13.
- Upsetting mechanism for combination locks, Automatic. S. N. Hope and P. F. Drath. 1,971,936; Aug. 28.
- Urea-formaldehyde reaction product and making same. M. C. Dearing. 1,982,795-6; Dec. 4.
- Urea-formaldehyde reaction product and preparing same. M. C. Dearing. 1,982,794; Dec. 4.
- Urea, Manufacture of. M. Hofszasz. 1,945,314; Jan. 30.
- Urea or products rich in urea, Production of solid. W. Meiser and W. v. Knilling. 1,951,518; Mar. 20.
- Ureas, and substances of a like character of the naphthalene series, Manufacture of. G. M. Dyson and A. Renshaw. 1,969,299; Aug. 7.
- Urethra, Apparatus for the treatment of the. W. Monahan. 1,967,318; July 24.
- Urine analysis, Device for making. C. W. Heaps, A. B. Bryan, and J. B. Rushing. 1,979,038; Oct. 30.
- Urn. E. M. Eyleth. 1,952,915; Mar. 27.
- Urn bag. E. H. Sieling. 1,961,947; June 5.
- Urn, Coffee. H. C. de Vry. 1,953,291; Apr. 3.
- Urn, Coffee. F. C. Ehrenreich. Des. 94,122; Dec. 25.
- Urn, Coffee. A. D. Olds. Des. 93,570; Oct. 9.
- Urn or article of analogous nature, Coffee. W. von Nessen. Des. 93,899-900; Nov. 20.
- Utensil and making it, Cooking. H. C. Wolfe. 1,970,723; Aug. 21.
- Utensil, Combination cooking. J. C. Johnson. Des. 91,487; Feb. 13.
- Utensil, Cooking. W. T. Christman. 1,980,883; Nov. 13.
- Utensil, Cooking. A. L. Clapp. 1,985,764; Dec. 25.
- Utensil, Cooking. G. Cooter. 1,974,204; Sept. 18.
- Utensil, Cooking. G. M. Davis. 1,963,294; June 19.
- Utensil, Cooking. M. G. Dumas. 1,969,878; Aug. 14.
- Utensil, Cooking. R. P. Fletcher and C. G. Towne. 1,976,219; Oct. 9.
- Utensil, Cooking. J. T. Hellmann. 1,970,454; Aug. 14.
- Utensil, Cooking. F. J. J. Amias. 1,943,973; Jan. 16.
- Utensil, Cooking. T. J. Kelly. 1,960,942; May 29.
- Utensil, Cooking. R. Lang. 1,973,817; Sept. 18.
- Utensil, Cooking. T. J. Matassa. 1,959,594; May 22.
- Utensil, Cooking. J. R. Peirce. 1,958,590; May 15.
- Utensil, Cooking. J. H. Quinlan. 1,952,776; Mar. 27.
- Utensil, Cooking. E. A. Vial. 1,955,842; Apr. 24.
- Utensil, Cooking. A. C. Wilcox. 1,954,551; Apr. 10.
- Utensil cover and releasing means therefor. H. H. Pearl. 1,974,831; Sept. 25.
- Utensil, Culinary. A. S. Charlebois. 1,946,930; Feb. 13.
- Utensil, Electrical cooking. G. E. Atkinson. 1,982,410; Nov. 27.
- Utensil, Electrically heated. L. L. Jones. 1,978,089; Oct. 23.
- Utensil, Food comminuting. B. T. Phillips. 1,974,194; Sept. 18.
- Utensil, Kitchen. I. Jeppsson. 1,975,949; Oct. 9.
- Utensil, Kitchen. F. E. Kahn. 1,960,492; May 29.
- Utensil, Portable electric heating and cooking. F. C. Kimmel. 1,974,360; Sept. 18.
- Utensil, Sifting. G. D. Gustafson and G. T. Larsson. 1,953,601; Apr. 3.
- Utensil, Smoker's. J. E. Neahr. 1,941,617; Jan. 2.
- Utensil, Smoker's. J. E. Neahr. 1,972,896; Sept. 11.
- Utensil, Waterless cooking. J. T. Morgan. 1,948,124; Feb. 20.
- Utensils, Manufacture of paper. L. A. Pratt and G. E. Gould. 1,948,314; Feb. 20.
- Utility case. M. Goldman. 1,969,976; Aug. 14.
- Utility sewing box. O. M. Stiegler. 1,945,123; Jan. 30.
- V-belts of finite length, Method of and apparatus for manufacturing. J. Meyer. 1,959,488; May 22.
- V-type multicylinder motor, Balanced. A. Moorhouse. 1,966,183; July 10.
- Vacua, Producing high. H. S. Cooper. 1,963,829; June 19.
- Vacuum and compression pump. E. F. McCarthy. 1,943,767; Jan. 16.
- Vacuum, Apparatus for producing high. B. G. Jones. 1,956,765; May 1.
- Vacuum attachment for cylinder hones. K. W. Connor and F. M. Kern. 1,952,492; Mar. 27.
- Vacuum brake. J. B. Brown. 1,950,474; Mar. 13.
- Vacuum break device for water service systems. J. A. Vogel. 1,955,120; Dec. 18.
- Vacuum breaker. G. A. Biggs. 1,962,381; June 12.
- Vacuum breaker for can making machines. E. Krug, L. H. Cool, and C. A. Bain. 1,953,761; Apr. 3.
- Vacuum breaker, Intake. J. Schell. 1,956,657; May 1.
- Vacuum cleaner. T. O. Adams. 1,965,787; July 10.
- Vacuum cleaner. G. W. Allen. 1,985,849; Dec. 25.
- Vacuum cleaner. L. Ell. 1,965,765; July 10.
- Vacuum cleaner. A. O. Engberg and A. Eriksson-Jons. 1,954,924; Apr. 17.
- Vacuum cleaner. P. J. Ernzer. 1,970,290; Aug. 14.
- Vacuum cleaner. C. G. Frants. Des. 91,865; Apr. 3.
- Vacuum cleaner. R. B. J. Hultberg. 1,959,759; May 22.
- Vacuum cleaner. A. Juelson. 1,961,225; June 5.
- Vacuum cleaner. H. A. Kroenlein. 1,978,158; Oct. 23.
- Vacuum cleaner. W. Leathers. 1,971,493; Aug. 28.
- Vacuum cleaner. W. Reeve. 1,944,270; Jan. 23.
- Vacuum cleaner. F. Riebel, jr., and D. M. Dow. 1,974,124; Sept. 18.
- Vacuum cleaner attachment for automobiles. W. L. Grathwol. 1,942,358; Jan. 2.
- Vacuum cleaner bag arrangement. E. J. Thor. 1,962,370; June 12.
- Vacuum cleaner casing. L. J. Dumais. Des. 92,648; July 3.
- Vacuum cleaner casing. A. Fordyce. Des. 91,388; Jan. 23.
- Vacuum cleaner casing. L. Guild. Des. 93,100; Aug. 21.
- Vacuum cleaner casing. D. Hays, and A. L. Atkinson. Des. 91,656; Mar. 6.
- Vacuum cleaner dust bag. W. V. Orr. 1,953,189; Apr. 3.
- Vacuum cleaner floor tool. P. E. Tracy and D. M. Dow. 1,968,974; Aug. 7.
- Vacuum cleaning device. C. Kühnel. 1,984,191; Dec. 11.
- Vacuum cleaning machine. T. C. Curtiss. 1,963,653; June 19.
- Vacuum condensation pump. A. C. Durdin, jr. 1,971,775; Aug. 28.
- Vacuum condensation system. C. D. Breese. 1,943,105; Jan. 9.
- Vacuum container. H. W. Muhleisen. 1,946,872; Feb. 13.
- Vacuum control mechanism. A. E. Broughton. 1,962,477; June 12.
- Vacuum device. H. A. Snow. 1,981,336; Nov. 20.
- Vacuum discharge tube. A. Mutscheller. 1,965,665; July 10.
- Vacuum drying apparatus. A. E. Jonsson. 1,965,958; July 10.
- Vacuum electrical device. T. S. Fuller. 1,976,488; Oct. 9.
- Vacuum frame. D. V. Mazzocco. 1,946,539; Feb. 13.
- Vacuum gatherer. E. B. Hamilton. 1,944,976 Jan. 30.
- Vacuum gauge. O. T. McIlvaine. 1,971,423; Aug. 28.
- Vacuum gauge. E. A. Rockwell. 1,949,627; Mar. 6.
- Vacuum induction apparatus. W. E. McKibben. 1,971,195; Aug. 21.
- Vacuum-insulated receptacle, Protected. A. D. Whipple. 1,963,162; June 19.
- Vacuum juicer. R. V. Grayson. 1,957,883; May 8.
- Vacuum machine. N. P. Bach. 1,969,717; Aug. 14.
- Vacuum machine. J. M. Young. 1,969,771; Aug. 14.
- Vacuum on porous laminated filtering mechanism, Apparatus for employing. P. B. Renfrew. 1,951,809; Mar. 20.
- Vacuum operated device. J. E. Simmerman. 1,981,080; Nov. 20.
- Vacuum operated jack. F. J. Donovan. 1,972,552; Sept. 4.
- Vacuum pan control, System of. W. E. Smith. 1,948,052; Feb. 20.
- Vacuum printing element holder. W. C. Huebner. 1,978,493; Oct. 30.
- Vacuum producing apparatus. H. M. Graham. 1,980,398; Nov. 13.
- Vacuum producing equipment. H. M. Graham. 1,945,973; Feb. 6.

- Vacuum, Producing high. E. A. Lederer. 1,952,717; Mar. 27.
- Vacuum pump. D. N. Crosthwait, jr. 1,946,524; Feb. 13.
- Vacuum pump. C. H. Hapgood. 1,971,448; Aug. 28.
- Vacuum pump. R. T. Lucas. 1,967,957; July 24.
- Vacuum pump, Molecular. J. Dubrovin. 1,975,568; Oct. 2.
- Vacuum regulating device. F. E. Dayes and J. F. Chapman. 1,977,116; Oct. 16.
- Vacuum regulator for windshield wipers. C. A. Fleming. 1,966,493; July 17.
- Vacuum sealing machine. A. E. Lindstrom. 1,958,951; May 15.
- Vacuum sealing machine for bottles, cans, and the like. F. O. L. Chorlton. 1,944,967; Jan. 30.
- Vacuum surrounded motor. E. Mendenhall and J. B. Van Horn. 1,954,824; Apr. 17.
- Vacuum switch. W. K. Rankin. 1,952,184; Mar. 27.
- Vacuum tube. K. C. Black. 1,954,195; Apr. 10.
- Vacuum tube. Y. B. F. J. Groeneveld and E. Oosterhuis. 1,971,447; Aug. 28.
- Vacuum tube. I. E. Mourmstseff. 1,944,190; Jan. 23.
- Vacuum tube. I. E. Mourmstseff and G. V. Rylsky. 1,971,988; Aug. 28.
- Vacuum tube. E. G. Murphy. 1,981,115; Nov. 20.
- Vacuum tube. W. V. B. Roberts. 1,958,591; May 15.
- Vacuum tube. P. L. Spencer. 1,984,816; Dec. 18.
- Vacuum tube. H. A. Snow. 1,962,218; June 12.
- Vacuum tube construction. L. C. Goodale. 1,974,305; Sept. 18.
- Vacuum tube detector. K. C. Black. 1,981,342; Nov. 20.
- Vacuum tube device. W. G. Wade. 1,949,396; Feb. 27.
- Vacuum tube for heavy currents. H. M. Freeman. 1,957,422-3; May 1.
- Vacuum tube grid construction. C. J. Kayko and P. A. Stoll. 1,980,341; Nov. 13.
- Vacuum tube life meter. L. A. Gebhard and G. E. Jacobson. 1,981,860; Nov. 27.
- Vacuum tube light, Running. L. L. Beck. 1,969,719; Aug. 14.
- Vacuum tube, Microray. A. G. Clavier. 1,971,902; Aug. 28.
- Vacuum tube oscillator. H. B. Vincent. 1,966,696; July 17.
- Vacuum tube stem. W. W. Eitel and J. McCullough. 1,975,140; Oct. 2.
- Vacuum tube stem. F. L. Hunter, jr. 1,951,612; Mar. 20.
- Vacuum tube structure, Unitary. W. L. Krah. 1,960,056; May 22.
- Vacuum tube system. R. D. Brown, jr. 1,966,607; July 17.
- Vacuum tube tester. B. E. Lenehan. 1,958,895; May 15.
- Vacuum tube tester. C. E. Urban. 1,949,341; Feb. 27.
- Vacuum tube, Three-electrode. J. Biguet. 1,947,514; Feb. 20.
- Vacuum tubes, Manufacture of. P. E. Edelman. 1,964,978; July 3.
- Vacuum vessel and illuminating device. F. Hotchner. 1,984,215; Dec. 11.
- Vacuum washing device. H. L. Williams. 1,972,413; Sept. 4.
- Vacuum wing or propeller for use on air, land, and water vehicles, Rotary. O. K. Quast. 1,966,461; July 17.
- Vacuumizing apparatus. J. A. Gray. 1,963,991; June 26.
- Valance, Window. A. B. Hoffheimer and S. M. Kaufman. 1,952,069; Mar. 27.
- Valuable constituents from hydrogenation catalysts, Recovery of. R. N. Watts. 1,948,407; Feb. 20.
- Valuable products by oxidation and decarboxylation of aromatic compounds, Manufacture of. J. Bröde and A. Johannsen. 1,963,258; June 19.
- Valuable products from coal and other oxygen-containing carbonaceous materials, Manufacture of. H. I. Waterman. 1,949,891; Mar. 6.
- Valuable products from vegetable substances, Producing. E. L. Rinman. 1,941,760; Jan. 2.
- Value-stamping machine. E. Komusin. 1,984,141; Dec. 11.
- Values from a sulphide ore, Recovering. T. A. Mitchell. 1,943,340; Jan. 16.
- Valve: See—
- Air valve.
- Annular valve.
- Automatic bypass valve.
- Automatic choker valve.
- Automatic closing fire valve.
- Automatic drain valve.
- Automatic ring plate valve.
- Automatic valve.
- Blow off valve.
- Bonnet valve.
- Bottle valve.
- Breather valve.
- Burner control valve.
- Butterfly valve.
- By-pass line valve.
- By-pass valve.
- Change-over valve.
- Check valve.
- Choke valve.
- Composite valve.
- Container valve.
- Control and gate valve.
- Control valve.
- Cut-out valve.
- Damper valve.
- Deluge valve.
- Diaphragm valve.
- Discharge-valve.
- Disk orifice valve.
- Distributing valve.
- Drain valve.
- Dredger pipe valve.
- Drifting valve.
- Dry pipe valve.
- Dual action deluge valve.
- Dual back water valve.
- Electrically operated valve.
- Electromagnetic valve.
- Engine valve.
- Expansion valve.
- Extension valve.
- Faucet valve.
- Flood actuated valve.
- Flood controlled valve.
- Flood valve.
- Flood valve.
- Flow plug valve.
- Fluid valve.
- Fluid control valve.
- Fluid controlling valve.
- Fluid regulating and cut-off valve.
- Flush valve.
- Flushing tank valve.
- Flushing valve.
- Foot valve.
- Fuel saving valve.
- Fuel valve.
- Gas and air mixing valve.
- Gas holder valve.
- Gas valve.
- Gate valve.
- Heat responsive valve.
- High pressure reducing valve.
- Hot-blast sluice valve.
- Humidifier valve.
- Hydraulic four-way valve.
- Hydraulic reversing valve.
- Hydraulically - controlled valve.
- Injector valve.
- Lavatory valve.
- Light valve.
- Liquid flow regulating valve.
- Locomotive starting valve.
- Locomotive valve.
- Lubricated gate valve.
- Lubricated plug valve.
- Lubricated valve.
- Lubricator valve.
- Measuring valve.
- Mixing valve.
- Motor operated valve.
- Multiple check valve.
- Multiple control valve.
- Multiple valve.
- Nozzle valve.
- Oil cooled valve.
- Oil pressure relief valve.
- Oil sampling valve.
- Organ valve.
- Oscillating valve.
- Packless valve.
- Percussive tool valve.
- Pilot valve.
- Piston valve.
- Plate valve.
- Pneumatic receiving valve.
- Positive check valve.
- Power control valve.
- Power saving valve.
- Pressure actuated valve.
- Pressure control valve.
- Pressure cooker valve.
- Valve. W. Anderson. 1,982,189; Nov. 27.
- Valve. C. M. Bailey. 1,944,486; Jan. 23.
- Valve. J. M. Barrett. 1,970,726; Aug. 21.
- Valve. J. C. Barrie. 1,943,805; Jan. 16.
- Valve. A. Baur. 1,949,365; Feb. 27.
- Valve. E. W. Beardsley and M. W. Colony. 1,985,234; Dec. 25.
- Valve. G. A. Biggs. 1,954,192; Apr. 10.
- Valve. J. A. Boland. 1,958,262; May 8.
- Valve. R. C. Bradley. 1,963,518; June 19.
- Valve. G. D. Bradshaw. 1,980,374; Nov. 13.
- Valve. C. A. Campbell. 1,949,559; Mar. 6.
- Valve. J. G. Collison. 1,985,078; Dec. 18.
- Valve. G. M. Crossen. 1,949,784; Mar. 6.
- Valve. F. R. Dippman. 1,944,155; Jan. 23.
- Valve. W. Doble. 1,954,804; Apr. 17.
- Valve. R. H. Earle. 1,962,102; June 5.
- Valve. H. Eisele. 1,958,988; May 15.
- Valve. W. C. Elze. Des. 93,818; Nov. 13.
- Valve. J. J. Ferlin and H. W. Goetz. 1,942,417; Jan. 9.
- Valve. V. Fina. 1,964,509; June 26.
- Valve. E. E. Finefrock and W. Watson. 1,957,998; May 8.
- Valve. J. C. Fitzpatrick. 1,956,529; Apr. 24.
- Valve. J. S. Forbes. 1,979,611; Nov. 6.
- Valve. W. A. Frye. 1,975,454; Oct. 2.
- Valve. S. G. Gentner. 1,973,249; Sept. 11.
- Valve. J. G. Gibson. 1,947,935; Feb. 20.
- Valve. W. N. Glab. 1,981,230; Nov. 20.
- Valve. J. Hackethal. 1,948,709; Feb. 27.
- Valve. G. L. Hammon. 1,944,428; Jan. 23.
- Valve. W. A. Heaney. 1,950,728; Mar. 13.
- Valve. A. G. Heggem. 1,949,834; Mar. 6.
- Valve. A. G. Heggem. 1,985,449; Dec. 25.
- Valve. E. E. Hewitt. 1,976,849; Oct. 16.
- Valve. W. Hofferberth. 1,956,235; Apr. 24.
- Valve. A. Hose and B. T. Atwood. 1,970,963; Aug. 21.
- Valve. C. H. Howell and H. P. Bunger. 1,950,848; Mar. 13.
- Valve. N. C. Hunt. 1,944,739; Jan. 23.
- Valve. W. L. Hunter and H. H. Weining. 1,942,426; Jan. 9.
- Valve. E. T. Johnson. 1,979,109; Oct. 30.
- Valve. M. Kauchack. 1,982,167; Nov. 27.
- Valve. J. J. Kenney. 1,962,776; June 12.
- Pressure generating valve.
- Pressure operated valve.
- Pressure reducing valve.
- Pressure release valve.
- Pressure relief valve.
- Primer valve.
- Pump valve.
- Quick action valve.
- Radiator flushing valve.
- Radiator valve.
- Radiator vent valve.
- Reciprocating valve.
- Reducing valve.
- Refrigerant compressor valve.
- Refrigerant control valve.
- Regulator valve.
- Release valve.
- Relief valve.
- Rotary disk valve.
- Rotary gate valve.
- Rotary valve.
- Safety gas valve.
- Safety valve.
- Selector valve.
- Self closing valve.
- Self grinding valve.
- Self lubricating valve.
- Service valve.
- Shut off valve.
- Slidable faucet valve.
- Sliding valve.
- Solenoid shut-off valve.
- Steam engine valve.
- Steam valve.
- Stop and discharge valve.
- Stop valve.
- Swinging gate valve.
- Temperature control valve.
- Thermionic valve.
- Thermostatic mixing valve.
- Thermostatic radiator valve.
- Thermostatic valve.
- Thermostatically controlled valve.
- Thermostatically operated valve.
- Throttle valve.
- Timing valve.
- Tire valve.
- Toilet valve.
- Train pipe valve.
- Traveling valve.
- Trip valve.
- Tube closure valve.
- Unloading valve.
- Viscolizer valve.
- Well pumping valve.

- Valve. A. L. Lambert. 1,969,806; Aug. 14.
 Valve. R. C. Lamond. 1,947,527; Feb. 20.
 Valve. A. J. Loepsinger. 1,951,485; Mar. 20.
 Valve. E. F. Lundgren. 1,951,878; Mar. 20.
 Valve. H. A. Mantz. 1,953,358; Apr. 3.
 Valve. J. C. Martin, jr. Re19,399; Dec. 18.
 Valve. W. F. Mesinger and H. J. Baker. 1,971,013; Aug. 21.
 Valve. C. H. Miller, jr. 1,981,825; Nov. 20.
 Valve. F. W. Miller. 1,954,018; Apr. 10.
 Valve. W. B. Milner. 1,976,796; Oct. 16.
 Valve. H. R. Minor. Re19,087; Feb. 20.
 Valve. C. Morrow. 1,954,217; Apr. 10.
 Valve. J. F. Muir. 1,980,495; Nov. 13.
 Valve. T. Murray. 1,958,858; May 15.
 Valve. A. E. Nave and C. H. Nauert. 1,950,122; Mar. 6.
 Valve. R. E. Newell and J. A. Robertshaw. 1,983,183; Dec. 4.
 Valve. G. B. Nicoll. 1,974,378; Sept. 18.
 Valve. S. J. Nordstrom. 1,944,995; Jan. 30.
 Valve. W. H. Phillips. 1,977,351; Oct. 16.
 Valve. M. A. Powers. 1,965,053; July 3.
 Valve. W. Prellwitz. 1,953,130; Apr. 3.
 Valve. J. V. Resek and W. W. Carson, jr. 1,952,683; Mar. 27.
 Valve. M. F. Richardson. 1,959,644; May 22.
 Valve. M. F. Richardson. 1,977,806; Oct. 23.
 Valve. F. O. Rick. 1,948,676; Feb. 27.
 Valve. P. Riedel. 1,984,497; Dec. 18.
 Valve. F. F. Rike. 1,945,657; Feb. 6.
 Valve. N. Roach. 1,966,562; July 17.
 Valve. C. A. Ross. 1,956,775; May 1.
 Valve. P. S. Russel. 1,946,882; Feb. 13.
 Valve. O. F. Russell. 1,947,875; Feb. 20.
 Valve. F. Schmidt. 1,962,097; June 5.
 Valve. L. Schwitter, C. J. Winkler, and K. A. Beier. 1,961,599; June 5.
 Valve. P. L. Scott. 1,979,910; Nov. 6.
 Valve. J. M. Shimer. 1,963,685; June 19.
 Valve. A. V. Sims. 1,980,833; Nov. 13.
 Valve. W. A. Sonnett. 1,951,565; Mar. 20.
 Valve. J. A. Spencer. 1,942,009; Jan. 2.
 Valve. J. A. Spencer. 1,972,169-70; Sept. 4.
 Valve. H. S. Steen. 1,965,322; July 5.
 Valve. C. R. Stevens. 1,958,684; May 15.
 Valve. T. R. Stoner. 1,966,567; July 17.
 Valve. J. Strouf. 1,945,760; Feb. 6.
 Valve. C. M. Terry. 1,945,834; Feb. 6.
 Valve. G. H. Thaner. 1,972,721; Sept. 4.
 Valve. J. A. Thomas. 1,943,401; Jan. 16.
 Valve. F. G. Troisil. 1,967,792; July 24.
 Valve. G. W. Walton. 1,947,071; Feb. 13.
 Valve. C. J. Westling. 1,967,695; July 24.
 Valve. A. W. Wheaton. 1,964,835; July 3.
 Valve. B. B. Whittle. 1,976,052; Oct. 9.
 Valve. L. L. Wright. 1,965,328; July 3.
 Valve action for fluid motors. A. A. Weidman. 1,956,520; Apr. 24.
 Valve actuating mechanism. H. D. Church. 1,948,023; Feb. 20.
 Valve actuating mechanism. H. D. Church. 1,948,414; Feb. 20.
 Valve actuating mechanism. R. M. Cooper. 1,948,415; Feb. 20.
 Valve actuating mechanism. O. L. Olsen. 1,944,826; Jan. 23.
 Valve actuating unit. J. G. Kubelus. 1,974,030; Sept. 18.
 Valve actuator. N. C. L. Brown. 1,958,127; May 8.
 Valve adapted to avoid back-firing in internal-combustion engines, Nonreturn. R. Spagliardi. 1,953,443; Apr. 3.
 Valve and control system, Lubricated. F. E. Riley. 1,946,235; Feb. 6.
 Valve and gauge. Tire inflating. F. Baumgartner. 1,985,759; Dec. 25.
 Valve and making the same. Hollow forged. W. Scrimgeour. 1,950,953; Mar. 13.
 Valve and method of operation, Light. E. H. Land. 1,955,923; Apr. 24.
 Valve and motive fluid connection for fluid actuated machines, Throttle. J. C. Curtis. 1,968,379; July 31.
 Valve and nozzle, Combined. W. L. Hamilton. 1,968,391; July 31.
 Valve and packing. J. C. Martin, jr. 1,979,977; Nov. 6.
 Valve and pressure gauge, Combined control. J. C. Crowley. 1,981,586; Nov. 20.
 Valve and seat for mechanical refrigeration, Change. C. M. Goodland. 1,960,628; May 29.
 Valve and switch mechanism, Combined. S. Helfand. 1,976,559; Oct. 9.
 Valve and system, Lubricant measuring. T. W. Hallerberg. 1,977,233; Oct. 16.
 Valve and tank release, Combination fuel. E. L. Noonan. 1,976,456; Oct. 9.
 Valve and the like. Motor operated. J. L. Kimball. 1,974,335; Sept. 18.
 Valve and valve seat assembly, Reversing. J. W. Kaye. 1,960,999; May 29.
 Valve and valve seat, Steel check. M. Wolff. 1,953,547; Apr. 3.
 Valve and water closet, Combined flush. W. C. Groeniger. 1,979,739; Nov. 6.
 Valve apparatus for fluid regulators, Balanced. O. B. Goldkamp. 1,944,425; Jan. 23.
 Valve apparatus for locomotive or other steam engines, Regulating. R. E. Kimberley. 1,942,711; Jan. 9.
 Valve assembly. E. S. Goslee. 1,966,294; July 10.
 Valve assembly. G. F. McClay. 1,955,007; Apr. 17.
 Valve assembly. M. A. Powers. 1,965,054; July 3.
 Valve attachment for liquid containers. H. E. Clark. 1,979,823; Nov. 6.
 Valve bag. W. N. Baker. 1,976,760; Oct. 16.
 Valve bag. H. E. Lee. 1,957,839; May 8.
 Valve bag and making the same. H. H. Orr. 1,985,326; Dec. 25.
 Valve bag filler. M. J. Miller. 1,972,026; Aug. 28.
 Valve bodies, Making. J. D. Baldwin, jr. 1,956,554; May 1.
 Valve bodies, Making. A. J. Weatherhead, jr. 1,972,821; Sept. 4.
 Valve body, Welded. C. H. Smith. 1,960,127; May 22.
 Valve bushing device. D. L. Spraker. 1,952,146; Mar. 27.
 Valve cap. J. C. Crowley. 1,973,799; Sept. 18.
 Valve clearance compensator, Tappet. T. C. Rice. 1,977,778; Oct. 23.
 Valve closure, Fluid-tight. F. C. Cruze and J. K. Haley. 1,952,586; Mar. 27.
 Valve closure for collapsible tubes. E. J. Richards. 1,949,219; Feb. 27.
 Valve construction. C. A. Pearson. 1,944,456; Jan. 23.
 Valve construction. J. C. Purdie. 1,953,501; Apr. 3.
 Valve construction. S. U. Siena and B. M. Arth. 1,980,144; Nov. 6.
 Valve construction. A. J. Yeager. 1,958,379; May 8.
 Valve construction for fluid dispensers. J. H. Schroeder. 1,966,143; July 10.
 Valve control apparatus, Standing. H. W. Fletcher. 1,943,522; Jan. 16.
 Valve control, Automatic. A. G. E. Nordquist. 1,949,873; Mar. 6.
 Valve control, Concentrated. W. N. Glab. 1,945,684; Feb. 6.
 Valve control for power operation of levers. W. L. McDonald. 1,948,726; Feb. 27.
 Valve control for presses. J. W. Bishop. 1,970,685; Aug. 21.
 Valve control means. W. Steinberg. 1,976,417; Oct. 9.
 Valve control mechanism. N. E. Woolman. 1,955,844; Apr. 24.
 Valve control mechanism for tank vehicles. J. A. Jensen. 1,985,207; Dec. 18.
 Valve control, Multiple. S. H. and F. D. Petersen. 1,971,382; Aug. 28.
 Valve control system. A. E. Jurs. 1,976,445; Oct. 9.
 Valve control system. R. C. Shand. 1,960,831; May 29.
 Valve control system, Gas. O. A. Knopp. 1,977,854; Oct. 23.
 Valve controller for tractors, Throttle. R. J. Stickles. 1,984,661; Dec. 18.
 Valve controlling device, Automatic. H. F. Rodler. 1,977,015; Oct. 16.
 Valve controlling mechanism for steam engines. B. R. Schabarum. 1,970,433; Aug. 14.
 Valve converting apparatus and operating the same, Electric. B. D. Bedford. 1,944,060; Jan. 16.
 Valve converting apparatus, Electric. B. D. Bedford. 1,947,242; Feb. 13.
 Valve converting apparatus, Electric. B. D. Bedford. 1,952,052; Mar. 27.
 Valve converting apparatus, Electric. G. Belfils and J. A. Augier. 1,976,475; Oct. 9.
 Valve converting apparatus, Electric. T. Fecker. 1,967,876-7; July 24.
 Valve converting apparatus, Electric. A. H. Mittag. 1,946,292; Feb. 6.
 Valve converting apparatus, Electric. M. M. Morack. 1,967,896; July 24.
 Valve converting apparatus, Electric. C. A. Sabbah. 1,957,229; May 1.
 Valve converting apparatus, Electric. C. H. Willis. 1,959,188; May 15.
 Valve converting apparatus, Electric. C. H. Willis. 1,961,026; May 29.
 Valve converting system and excitation apparatus therefor. C. A. Sabbah. 1,976,463; Oct. 9.
 Valve converting system and excitation apparatus therefor, Electric. E. L. Philippi. 1,971,833; Aug. 28.
 Valve converting system and excitation apparatus therefor, Electric. C. A. Sabbah and M. M. Morack. 1,957,231; May 1.
 Valve converting system, Electric. A. Boyajian and E. V. De Bieux. 1,974,980; Sept. 25.
 Valve-converting system, Electric. H. Cypra. 1,959,200; May 15.
 Valve converting system, Electric. T. Fecker. 1,952,062; Mar. 27.
 Valve converting system, Electric. E. Horowicz. 1,945,401; Jan. 30.
 Valve converting system, Electric. G. Reinhardt. 1,967,903; July 24.
 Valve converting system, Electric. C. A. Sabbah. 1,948,360; Feb. 20.
 Valve converting system, Electric. C. A. Sabbah. 1,961,080; May 29.
 Valve converting system, Electric. C. A. Sabbah and A. H. Mittag. 1,957,230; May 1.
 Valve converting system, Electric. M. Stöhr. 1,973,547; Sept. 11.
 Valve converting system, Electric. C. H. Willis. 1,961,027; May 29.

- Valve converting system, Grid-controlled electric. C. Krämer. 1,971,188; Aug. 21.
- Valve cooling means. A. V. D. Willgoos. 1,950,467; Mar. 13.
- Valve cotter for internal combustion engines. A. F. Payne. 1,947,534; Feb. 20.
- Valve device. F. W. Hack. 1,955,494; Apr. 17.
- Valve device. B. H. Hawkins. 1,965,287; July 3.
- Valve device, Back-up. C. C. Farmer. 1,980,327; Nov. 13.
- Valve device, Check. C. C. Farmer. 1,953,007; Mar. 27.
- Valve device, Check. C. C. Farmer. 1,967,300; July 24.
- Valve device, Check. E. E. Hewitt. 1,972,737; Sept. 4.
- Valve device, Controlling. L. J. Berkeley. 1,957,090; May 1.
- Valve device for feeding bottles. A. A. T. Creser and G. B. Baker. 1,966,614; July 17.
- Valve device, Quick action. J. C. McCune. 1,956,691; May 1.
- Valve device, Thermostatic. J. V. Durnin. 1,959,265; May 15.
- Valve device, Thermostatic. H. J. Findley. 1,952,198; Mar. 27.
- Valve devices, Temperature and pressure relief. L. D. Lovekin and J. L. Le Gorre. 1,944,518; Jan. 23.
- Valve fixture. A. C. Arbogast and R. Martin. 1,969,870; Aug. 14.
- Valve for aeroplane engines. F. A. Thabald. 1,982,126; Nov. 27.
- Valve for air brakes, Feed. C. A. Campbell. 1,964,108; June 26.
- Valve for air compressors, Breather. B. R. Scott. 1,961,676; June 5.
- Valve for air lift devices, Kick-off. G. A. Humason. 1,964,436; June 26.
- Valve for an automobile heater. A. H. Bates. 1,974,639; Sept. 25.
- Valve for bathtubs and the like, Drain. C. F. Schultis. 1,943,628; Jan. 16.
- Valve for blast furnaces, Explosion or bleeder. M. Svorcina. 1,944,770; Jan. 23.
- Valve for brake systems. W. J. Besler. 1,973,326; Sept. 11.
- Valve for clothes steaming and pressing apparatus. H. G. Sutton. 1,942,987; Jan. 9.
- Valve for compressors. C. C. Hansen. 1,975,845; Oct. 9.
- Valve for controlling and/or regulating the flow of fluid. C. A. Masterman. 1,983,629; Dec. 11.
- Valve for engines, Scavenger. J. F. Egglestone. 1,974,604; Sept. 25.
- Valve for feed water regulators. V. V. Veenschoten. 1,980,455; Nov. 13.
- Valve for fire extinguisher systems. A. C. Rowley. 1,947,309; Feb. 13.
- Valve for floor drains, Primer. C. W. Bale. 1,981,540; Nov. 20.
- Valve for flow lines, Pressure relieving check. J. H. Viele and C. W. Swift. 1,942,313; Jan. 2.
- Valve for fluid actuated tools. W. A. Smith, sr. 1,975,872; Oct. 9.
- Valve for fluid pressure engines, Distribution. C. F. Prescott. 1,953,541; Apr. 3.
- Valve for fluid pressure regulators. G. H. Smith and H. W. Carnes. 1,972,748; Sept. 4.
- Valve for fluid systems, Control. T. F. Patocka. 1,951,768; Mar. 20.
- Valve for flush tanks. F. M. Heath. 1,975,421; Oct. 2.
- Valve for football bladders and the like. M. Crane. 1,981,720; Nov. 20.
- Valve for fuel control. S. Greenlee. 1,954,930; Apr. 17.
- Valve for fuel pumps, Control. E. Schaeren. 1,958,410; May 15.
- Valve for garment pressing machines. A. B. Pierce. 1,976,578; Oct. 9.
- Valve for gas pilot lights. E. L. Hall and E. J. Brady. 1,980,052; Nov. 6.
- Valve for heating systems, Control. V. O. Beam and N. T. Branche. 1,981,218; Nov. 20.
- Valve for hydraulic systems. C. F. White. 1,960,284; May 29.
- Valve for inflatable articles. F. F. Brucker. 1,969,118; Aug. 7.
- Valve for inflatable articles. F. Fenton. 1,942,959; Jan. 9.
- Valve for internal combustion engines, Poppet. C. Olson. 1,975,699; Oct. 2.
- Valve for internal combustion engines, Rotary. J. Vander Elst and J. F. Backx. 1,977,025; Oct. 16.
- Valve for lifting devices. J. D. Cochran. Re19,239; July 17.
- Valve for liquid CO_2 and like flasks. C. F. Smith and C. H. Lindsay. 1,975,178; Oct. 2.
- Valve for molding machines. R. F. Ringle. 1,968,467; July 31.
- Valve for oil well pump plungers. R. Thomson. 1,975,184; Oct. 2.
- Valve for oil wells, Cable. T. A. Brown. 1,977,504; Oct. 16.
- Valve for oil wells, Float operated. T. W. Harrington. 1,984,741; Dec. 18.
- Valve for oil wells, Flow. C. H. Boring. 1,941,851; Jan. 2.
- Valve for pipe organs, Balanced. J. F. Wick. 1,984,167; Dec. 11.
- Valve for pneumatic tires. W. P. Brown. 1,966,428; July 17.
- Valve for radiators and the like, Air. W. F. Macdonald. 1,981,365; Nov. 20.
- Valve for refrigerating systems, Float. C. Steenstrup. 1,955,702; Apr. 17.
- Valve for rock drills. G. W. Hulshizer. 1,975,229; Oct. 2.
- Valve for rock drills. W. A. Smith, sr. 1,946,989; Feb. 13.
- Valve for shock absorbers. E. F. Rossman. 1,948,008; Feb. 20.
- Valve for sirupers, Filling. A. R. Thompson. 1,962,161; June 12.
- Valve for steam radiators, Air relief. G. R. Fickert. 1,962,063; June 5.
- Valve for stokers, Automatic reverse. C. O. Strom, sr. 1,952,690; Mar. 27.
- Valve for tank cars, Discharge. G. F. Gerdt. 1,985,858; Dec. 25.
- Valve for the fractional supply of fluids. L. B. Kimball. 1,974,071; Sept. 18.
- Valve for the pouring nozzles of liquid containers. A. O. Lien. 1,946,978; Feb. 13.
- Valve for toilet tanks. P. C. Gannon. 1,941,549; Jan. 2.
- Valve for train stop systems. J. P. Kelly. 1,963,623; June 19.
- Valve for translation of sound effects, Light. F. H. Owens. 1,980,223; Nov. 13.
- Valve for vacuum pumps. J. Dubrovic. 1,949,710; Mar. 6.
- Valve for vacuum systems. H. T. Stein. 1,957,812; May 8.
- Valve for vehicle tanks, Emergency. J. A. Jensen. 1,980,063; Nov. 6.
- Valve for water softeners and the like, Combination inlet and injector. A. N. Flora. 1,969,790; Aug. 14.
- Valve for wells. R. M. Johnson. 1,953,828; Apr. 3.
- Valve for wireless telegraphy or telephony. J. A. M. Hawadier. 1,967,207; July 17.
- Valve frequency changing system, Electric. J. A. Augier and P. G. Laurent. 1,955,524; Apr. 17.
- Valve gear. W. F. Atwood. 1,974,094; Sept. 18.
- Valve gear. A. B. Buckley. 1,950,222; Mar. 6.
- Valve gear. R. Chilton. 1,958,264; May 8.
- Valve gear, Compensated. R. Chilton. 1,976,483; Oct. 9.
- Valve gear for fluid pressure units. V. W. Holmes. 1,943,118; Jan. 9.
- Valve gear for steam engines. G. Bolla. 1,954,982; Apr. 17.
- Valve gear for steam engines. H. Lentz. 1,954,417; Apr. 10.
- Valve gear for steam engines, Distributing. H. Lentz. 1,969,417; Aug. 7.
- Valve gear lock. L. B. Rittenhouse. 1,965,057; July 3.
- Valve gear, Poppet. A. Caprotti. 1,976,325; Oct. 9.
- Valve gear servicing device. W. D. Kennedy. 1,983,378; Dec. 4.
- Valve-grinding machine. G. Lemay. 1,978,315; Oct. 23.
- Valve grinding machine. E. F. Schwakopf. 1,941,918; Jan. 2.
- Valve grinding tool. H. W. Kulp and M. C. Dellinger. 1,971,530; Aug. 28.
- Valve grinding tool. A. Olsen. 1,959,838; May 22.
- Valve guide and unseater. N. F. McNaught and E. H. Peterson. 1,952,087; Mar. 27.
- Valve guide, Removable. W. T. and F. T. Gassaway. 1,972,650; Sept. 4.
- Valve handle cap. P. B. Francis. Des. 93,009; Aug. 14.
- Valve, Initially opening a remotely positioned. F. J. Ritz. 1,954,100; Apr. 10.
- Valve installation for steam generators, Safety. D. MacNicol. 1,980,591; Nov. 13.
- Valve jacking device. H. S. Van Patter and J. C. McKean. 1,959,071; May 15.
- Valve keeper inserting tool. H. R. Elliott. 1,951,970; Mar. 20.
- Valve lapping machine. W. P. Capps. 1,950,785; Mar. 13.
- Valve lapping tool, Triple. J. R. Ricketts. 1,970,867; Aug. 21.
- Valve lifter. J. H. Gehrig. 1,951,573; Mar. 20.
- Valve lifter. H. I. Grubbs. 1,985,447; Dec. 25.
- Valve lifter. J. Sunnen. 1,948,248; Feb. 20.
- Valve lifter and spring compressor, Combined. J. Sunnen. 1,982,838; Dec. 4.
- Valve lifter mechanism. T. M. Mueller. 1,977,736; Oct. 23.
- Valve lock. W. F. Mann. 1,970,463; Aug. 14.
- Valve lubricating device for combustion engines. W. A. Black. 1,983,066; Dec. 4.
- Valve lubricating mechanism. A. Lindskog. 1,950,314; Mar. 6.
- Valve means, Choker. F. H. Heitger. 1,968,553; July 31.
- Valve means, Reciprocable piston distributing. A. C. Peterson. 1,973,857; Sept. 18.
- Valve mechanism. A. E. Armstrong. 1,979,305; Nov. 6.
- Valve mechanism. H. T. Blom. 1,985,140; Dec. 18.
- Valve mechanism. W. W. Carson, jr. 1,958,814; May 15.
- Valve mechanism. V. Fina. 1,960,970; May 29.
- Valve mechanism. O. L. Hastings. 1,944,979; Jan. 30.
- Valve mechanism. W. F. Irvin. 1,975,656; Oct. 2.
- Valve mechanism. T. Martin. 1,957,466; May 8.
- Valve mechanism. A. J. and K. T. Penick. 1,948,628; Feb. 27.
- Valve mechanism. J. W. Sandlin. 1,942,616; Jan. 9.
- Valve mechanism. P. C. Temple. 1,955,154; Apr. 17.
- Valve mechanism. S. L. Wheeler and E. J. Seifert. 1,960,963; May 29.

- Valve mechanism, Automatic. E. C. Horton and H. Hueber. 1,974,850; Sept. 25.
- Valve mechanism, Flush. J. L. Skuttle. 1,982,550; Nov. 27.
- Valve mechanism for cutting off the supply of liquid to reservoirs, casks, and other containers. J. Muller. 1,943,536; Jan. 16.
- Valve mechanism for evaporators. F. G. Slagel. 1,956,778; May 1.
- Valve mechanism for internal combustion engines. R. S. Moore. 1,965,466; July 3.
- Valve mechanism for main and pilot burners. E. J. Horton. 1,943,075; Jan. 9.
- Valve mechanism for rock drills. W. A. Smith, jr. 1,965,264; July 3.
- Valve mechanism for rotary engines. W. W. Brown. 1,981,778; Nov. 20.
- Valve mechanism, Locomotive. W. F. Kiesel, jr. 1,970,324; Aug. 14.
- Valve mechanism, Self cleansing. W. L. Shively. 1,968,320; July 31.
- Valve mechanisms, Mechanism for controlling engine. R. H. Shepard. 1,942,189; Jan. 2.
- Valve modulation system, Emission. H. A. Wheeler. 1,958,027; May 8.
- Valve on the center pin of pneumatic valve insides, Molding a rubber. L. C. Broecker. 1,949,823; Mar. 6.
- Valve operating apparatus, Selective. P. S. Shield. 1,973,115; Sept. 11.
- Valve operating device. H. L. Notter. 1,984,198; Dec. 11.
- Valve operating device. E. A. Ryder. 1,970,104; Aug. 14.
- Valve operating device, Flush tank. C. W. Brown. 1,960,864; May 29.
- Valve operating mechanism. C. S. Burnett. 1,980,379; Nov. 13.
- Valve operating mechanism. S. E. Hall. 1,982,867; Dec. 4.
- Valve operating mechanism. W. H. Ingersoll. 1,979,690; Nov. 6.
- Valve operating mechanism. H. Miller. 1,966,209; July 10.
- Valve operating mechanism. E. E. Norman. 1,979,340; Nov. 6.
- Valve operating mechanism. R. C. Russell. 1,979,348; Nov. 6.
- Valve operating mechanism. E. L. Schellens. 1,970,628; Aug. 21.
- Valve operating mechanism, Reversible. A. K. Sorenson. 1,984,770; Dec. 18.
- Valve or the like, Steam. J. R. Guildford. 1,962,558; June 12.
- Valve part assembling machine. L. C. Broecker. 1,948,466; Feb. 20.
- Valve plate and making it. W. M. Bailey. 1,947,453; Feb. 20.
- Valve production method. J. Verderber and E. F. Batterman. 1,949,592; Mar. 6.
- Valve protector for gas containers. G. Jaeger. 1,948,966; Feb. 27.
- Valve protector for gas containers. H. Wayer and G. Jaeger. 1,948,953; Feb. 27.
- Valve, Quick action. J. C. McCune. 1,969,812; Aug. 14.
- Valve regulating device. C. Wilhelm. Re19,308; Sept. 4.
- Valve regulating means. D. H. Ebinger. 1,961,439; June 5.
- Valve regulating mechanism for refrigerating systems, Expansion. W. C. Hill. 1,978,709; Oct. 30.
- Valve release. J. R. Schoy and P. R. Yates. 1,950,328; Mar. 6.
- Valve reseating tool. J. Tekavec. 1,977,811; Oct. 23.
- Valve rod guide for flush tanks. J. Van Dyke. 1,949,092; Feb. 27.
- Valve seat. E. W. O'Malley. 1,962,520; June 12.
- Valve seat, Cold shrunk-in. F. Price. 1,950,267; Mar. 6.
- Valve seat grinding tool. H. G. Womer. 1,963,040; June 12.
- Valve seat parts in internal combustion engines and like machines. Securing. G. W. Smith, jr. 1,961,917; June 5.
- Valve seat retainer. C. B. McDonald. 1,949,613; Mar. 6.
- Valve seat retaining means. C. B. McDonald. 1,949,614; Mar. 6.
- Valve seat rings, Producing. A. Stoll. 1,959,068; May 15.
- Valve seat tool. F. O. Albertson. 1,964,970; July 3.
- Valve seating structure, High pressure. H. W. Buckman. 1,983,163; Dec. 4.
- Valve seats, Method and apparatus for grinding. B. F. Stowell. 1,975,985; Oct. 9.
- Valve section, Windshield cleaner. H. Hueber. 1,978,634; Oct. 30.
- Valve shield. T. R. Burke. 1,941,596; Jan. 2.
- Valve slack adjuster. O. M. Nacker. 1,970,764; Aug. 21.
- Valve spring compressor. P. M. Miller. 1,974,363; Sept. 18.
- Valve spring lifter. W. Rush. 1,960,878; May 29.
- Valve-spring lifter tool. H. L. Durivage. 1,972,553; Sept. 4.
- Valve spring mechanism. R. Chilton. 1,974,802; Sept. 25.
- Valve spring tool. N. G. Gardella. 1,961,876; June 5.
- Valve stem. W. J. Kirkpatrick. 1,948,762; Feb. 27.
- Valve stem. S. T. Williams and J. Wahl. 1,951,460; Mar. 20.
- Valve stem packing. R. Neuhaus. 1,954,643; Apr. 10.
- Valve stem, Rubber headed. S. T. Williams. 1,975,415; Oct. 2.
- Valve stem sealing device. D. M. Solenberger. 1,952,339; Mar. 27.
- Valve stem, Stub type. F. H. Watson. 1,957,866; May 8.
- Valve stem testing apparatus. L. R. Adams. 1,985,673; Dec. 25.
- Valve structure. R. E. Bechtold. 1,984,328; Dec. 11.
- Valve structure. H. E. Fritz and J. R. Hoover. 1,947,257; Feb. 13.
- Valve structure. A. J. Gilbert. 1,960,843; May 29.
- Valve structure. F. W. Hack. 1,955,495; Apr. 17.
- Valve structure. H. R. McPhail. 1,967,418; July 24.
- Valve structure. E. W. O'Malley. 1,952,726; Mar. 27.
- Valve structure. E. E. Price. 1,983,191; Dec. 4.
- Valve structure. E. C. Rosenow. 1,956,836; May 1.
- Valve structure. R. Stahl. 1,952,147; Mar. 27.
- Valve structure. E. R. Wharton. 1,963,513; June 19.
- Valve structure for tanks, Safety and vacuum. G. W. King. 1,949,208; Feb. 27.
- Valve structure, Thermostatic. J. H. Grayson. 1,950,727; Mar. 13.
- Valve supervisory and signal unit. C. A. Turner. 1,952,397; Mar. 27.
- Valve surfacing tool. J. R. Ricketts. 1,975,290; Oct. 2.
- Valve system, Electrically controlled. E. L. Lipp. 1,957,069; May 1.
- Valve system, Thermionic. J. Robinson. 1,978,764; Oct. 30.
- Valve tappet assembly. S. George. 1,966,794; July 17.
- Valve tappet, Hydraulic. W. R. Vitalini. 1,965,517; July 3.
- Valve tappet, Self-locking. C. E. Johnson. 1,957,784; May 8.
- Valve testing clamp. C. P. Freudenberg. 1,972,767; Sept. 4.
- Valve timing device. E. W. Mitchel. 1,957,181; May 1.
- Valve tip hardening machine. W. H. Spire. 1,985,805; Dec. 25.
- Valve tip hardening machine and method. W. H. Spire. 1,985,804; Dec. 25.
- Valve unit, Automatic multiple. W. G. Watkins. 1,958,155; May 8.
- Valved coupling. R. V. Proctor. 1,968,421; July 31.
- Valved thief-hole cover, Balanced. A. A. Kramer. 1,977,390; Oct. 16.
- Valves and multifanged pipe fittings, Method of and apparatus for extruding. S. W. Sparks. 1,946,117; Feb. 6.
- Valves, Apparatus for polishing explosion engine. J. F. Triana. 1,985,648; Dec. 25.
- Valves, Calibrating. C. R. Oberg. 1,946,756; Feb. 13.
- Valves, Device for use in grinding. H. W. Kulp and M. C. Dellinger. 1,951,796; Mar. 20.
- Valves for locomotives, Governor-controlled drifting. C. Stern. 1,980,107; Nov. 6.
- Valves from electric solenoids and the like, Operating. J. L. Kimball. 1,944,841; Jan. 23.
- Valves, Making. R. B. Lewis, jr. 1,948,793; Feb. 27.
- Valves, Making drain. B. Mollberg. 1,949,618; Mar. 6.
- Valves, Making hollow. E. A. McBride, D. Kelleher, and P. B. Lerch. 1,984,751; Dec. 18.
- Valves, Making hollow head. A. T. Colwell. 1,984,728; Dec. 18.
- Valves, Making inlaid metal. A. T. Colwell. 1,980,716; Nov. 13.
- Valves, Making manually operated. J. F. Werder. 1,943,708; Jan. 16.
- Valves, Repairing. H. L. Ivins. 1,950,307; Mar. 6.
- Vanes, Generating helical. L. G. Symons. 1,966,530; July 17.
- Vanity accessory, Handkerchief carrying. E. Gebhardt. 1,982,248; Nov. 27.
- Vanity box. P. Dorée-Spearman. Des. 93,333; Sept. 18.
- Vanity box. W. A. Goertz. 1,959,784; May 22.
- Vanity case. H. C. Foster. 1,973,433; Sept. 11.
- Vanity case. N. Kasdan and D. Pollack. 1,959,629; May 22.
- Vanity case. W. G. Kendall. 1,980,921; Nov. 13.
- Vanity case. R. Loewy. Des. 92,414; June 5.
- Vanity case. R. Loewy. Des. 93,415; Sept. 25.
- Vanity case. J. R. Marsh. 1,983,382; Dec. 4.
- Vanity case. W. T. Parkin. 1,976,671; Oct. 9.
- Vanity case. A. Wewetzer. Des. 93,591; Oct. 9.
- Vanity case. L. C. Wolfson. 1,948,086; Feb. 20.
- Vanity case or analogous article. D. H. Zell. Des. 93,317-18; Sept. 11.
- Vanity case or similar article. H. H. Harris. Des. 93,715; Oct. 30.
- Vapor dispensing apparatus. G. Sykes. 1,948,635; Feb. 27.
- Vapor electric device. W. G. Moran. 1,945,749; Feb. 6.
- Vapor-gas mixtures, Treatment of. R. Pyzel. 1,948,595; Feb. 27.
- Vapor generator. A. J. Nerad. 1,948,356; Feb. 20.
- Vapor generator, Operating a. J. Fletcher and P. S. Dickey. 1,975,097; Oct. 2.
- Vapor lamp generator. P. F. Durham. 1,978,253; Oct. 23.
- Vapor phase cracking of oil. E. W. Gard and B. G. Aldridge. 1,964,686; June 26.
- Vapor phase cracking process. M. B. Cooke and H. C. Schutt. 1,984,569; Dec. 18.
- Vapor phase treatment of oils. W. S. Baylis. 1,949,673; Mar. 6.
- Vapor projector. R. M. Bryan. 1,962,100; June 5.
- Vapor rectifier for heavy currents, Metal. F. B. von Kleist. 1,942,317; Jan. 2.
- Vapor regulator. E. Stenzel. 1,977,295; Oct. 16.

- Vapor vacuum heating system. I. E. McCabe. 1,965,708; July 10.
- Vaporization process and apparatus therefor. R. V. Brown. 1,975,222; Oct. 2.
- Vaporizer. P. B. Brown and J. B. Schmitt. 1,949,778; Mar. 6.
- Vaporizer. M. Bucy. 1,975,082; Oct. 2.
- Vaporizer. M. Kelm. 1,955,963; Apr. 24.
- Vaporizer. A. Loeb. 1,949,803; Mar. 6.
- Vaporizer. M. C. Spencer. 1,963,035; June 12.
- Vaporizer. S. L. Weiss. 1,981,763; Nov. 20.
- Vaporizer and mixer, Gaseous fluid. H. E. Bucklen. 1,973,745; Sept. 18.
- Vaporizer appliance, Individual. C. E. Snyder. 1,973,021; Sept. 11.
- Vaporizer, Automatic medicinal. T. B. Stephenson. 1,950,577; Mar. 13.
- Vaporizer, Electric. W. H. Ginder. 1,977,232; Oct. 16.
- Vaporizer, Electric. M. Katzman. Re19,367-8; Nov. 6.
- Vaporizer, Electric. M. Katzman. 1,980,066; Nov. 6.
- Vaporizer for gas engines. J. Woermann. 1,981,891; Nov. 27.
- Vaporizer for internal combustion engines. F. H. Roth. 1,941,761; Jan. 2.
- Vaporizer for internal combustion engines, Low grade fuel. H. E. Musselwhite. 1,980,496; Nov. 13.
- Vaporizer for oil engines. F. Porsche. 1,974,785; Sept. 25.
- Vaporizer for refrigerators. A. R. Cosgrove. 1,943,006-7; Jan. 9.
- Vaporizer, Fuel. W. A. Meyer. 1,968,698; July 31.
- Vaporizer, Liquid fuel. C. A. French. 1,977,436; Oct. 16.
- Vaporizer, Liquid fuel burner, and the like. A. Magowan. 1,965,465; July 3.
- Vaporizer. Liquid fuel mixture. E. R. Godward. 1,970,169; Aug. 14.
- Vaporizer, Liquid gas. M. E. Painter. 1,947,099; Feb. 18.
- Vaporizer of air resolution plants, Operation of the. M. Fränkl. 1,970,300; Aug. 14.
- Vaporizer, Perfume. P. A. Seewagen. 1,966,738; July 17.
- Vaporizing burner. O. B. Lawrence. 1,944,842; Jan. 23.
- Vaporizing device for liquefied gases. O. A. Hansen. 1,952,860; Mar. 27.
- Vaporizing generator. B. W. Tullis and T. F. Jones. 1,958,400; May 8.
- Vapors, Condensing. G. B. Coubrough. 1,970,993; Aug. 21.
- Vapors, Cracking of petroleum. A. M. Wood. 1,980,462; Nov. 13.
- Vapors, Fractionating. J. S. Wallis. 1,947,817; Feb. 20.
- Vapors from gaseous mixtures, Separating. M. Frankl. 1,979,682; Nov. 6.
- Vapors or gases, Detecting, indicating and recording the presence of inflammable. H. T. Ringrose. Re19,048; Jan. 16.
- Variable air condenser. L. A. Gebhard. 1,958,424; May 15.
- Variable capacity. P. F. Scofield. 1,983,680; Dec. 11.
- Variable condenser. J. J. Aurynger. 1,949,137; Feb. 27.
- Variable condenser. S. Cohen. 1,951,925; Mar. 20.
- Variable condenser. S. Cohen. 1,959,197; May 15.
- Variable condenser. S. Cohen. 1,966,918-19; July 17.
- Variable condenser. P. F. Scofield. 1,977,289; Oct. 16.
- Variable condenser. L. G. Thomas. 1,947,069; Feb. 13.
- Variable condenser. D. Wald. 1,968,108; July 31.
- Variable delivery pump. W. Ferris. 1,966,814; July 17.
- Variable displacement pump. W. Ferris. 1,965,937; July 10.
- Variable displacement pump. E. J. Svenson. 1,978,441; Oct. 30.
- Variable frequency multiplex system. A. M. Nicolson. 1,951,524; Mar. 20.
- Variable pump. C. E. Kraus. 1,982,958; Dec. 4.
- Variable relation of feed and cut-off. K. W. Hallden. 1,958,538; May 15.
- Variable resistance device. A. O. Codney and D. J. Somerville. 1,947,828; Feb. 20.
- Variable speed gear. J. Platzer. 1,976,090; Oct. 9.
- Variable speed gear. R. T. Stock. 1,962,972; June 12.
- Variable speed mechanism. D. Low. 1,954,822; Apr. 17.
- Variable speed transmission. F. R. Ewer. 1,948,656; Feb. 27.
- Variable stroke lever engine. J. C. Peterson. 1,978,058; Oct. 23.
- Variable tuning condenser. J. Antonietta. 1,972,510; Sept. 4.
- Variable-voltage reversing-planer controller. G. E. King. 1,955,334; Apr. 17.
- Variable water tank. F. H. Heine. 1,973,167; Sept. 11.
- Varnish composition and shellac substitute. J. B. Dietz and E. F. Oeffinger. 1,942,413; Jan. 9.
- Varnish, Crystallizing. W. O. Stauffer. 1,954,835; Apr. 17.
- Varnish, Moisture resistant. M. E. Delaney. 1,980,258; Nov. 13.
- Varnishes and the like, Manufacture of. J. Scheiber. 1,979,495; Nov. 6.
- Vase, Cemetery. H. W. and S. Y. Baker. 1,981,640; Nov. 20.
- Vase, Flower. F. J. Liska. Des. 92,011; Apr. 17.
- Vase, Flower. W. C. Winger. 1,977,417; Oct. 16.
- Vase, Lawn. W. F. Mahoney. Des. 91,362; Jan. 16.
- Vat and sulphur dyestuff preparation. H. Berthold and E. Liese. 1,968,926; Aug. 7.
- Vat, Electrolytic. V. Obiedoff. 1,957,283; May 1.
- Vat for creamery use, Steam. E. H. Harrison. 1,943,602; Jan. 16.
- Vault. L. A. Chick. 1,957,696; May 8.
- Vault and constructing the same, Grave. E. C. Boehmig. 1,950,778; Mar. 13.
- Vault base or similar article, Grave. A. F. Beck. Des. 91,752; Mar. 20.
- Vault, Burglarproof. B. D. Kelly. 1,949,310; Feb. 27.
- Vault, Burial. P. A. Brick. Des. 93,381; Sept. 25.
- Vault, Burial. H. Cohen. Des. 92,390; June 5.
- Vault, Burial. H. Cohen. Des. 93,383; Sept. 25.
- Vault, Burial. H. Cohen. Des. 93,911; Nov. 27.
- Vault, Burial. C. E. Glass. 1,984,638; Dec. 18.
- Vault, Burial. J. S. Hamilton. 1,959,204; May 15.
- Vault, Burial. R. P. Henderson. Des. 93,103; Aug. 21.
- Vault, Burial. C. J. King. Des. 93,349; Sept. 18.
- Vault, Burial. W. J. Michael. Des. 91,893; Apr. 3.
- Vault, Burial. H. S. Mustin. 1,956,873; May 1.
- Vault, Burial. A. F. H. Scott. 1,961,988; June 5.
- Vault, Burial. R. E. Smith. Des. 92,982; Aug. 7.
- Vault, Burial. J. C. Steiner. 1,969,631; Aug. 7.
- Vault, Burial. G. W. Tarvin. 1,967,485; July 24.
- Vault, Burial. F. H. Van Ness. 1,959,773; May 22.
- Vault, Burial. R. H. Zerfing. Des. 91,550; Feb. 20.
- Vault, Grave. F. Bisantz. Re19,213; June 19.
- Vault, Grave. E. H. Scott. 1,947,064; Feb. 13.
- Vault, Grave. L. Smith. 1,966,909; July 17.
- Vault hood or similar article, Grave. A. F. Beck. Des. 93,264; Sept. 11.
- Vault, Lined burial. F. J. Mead. 1,961,158; June 5.
- Vault or article of similar nature, Burial. C. R. Neff. Des. 93,568; Oct. 9.
- Vault or similar article, Grave. A. Beck. Des. 91,753; Mar. 20.
- Vault, Precast burial. J. N. McNabb, R. E. Cowan, and W. E. Craiglow. 1,969,410; Aug. 7.
- Vault, Secured match. T. J. Kuluris. 1,975,276; Oct. 2.
- Vegetable cleansing and blanching apparatus. H. P. Taylor. 1,943,775; Jan. 16.
- Vegetable-conditioning method and machine. R. L. Cornell. 1,961,337; June 5.
- Vegetable cutter. J. F. Gutman. 1,962,737; June 12.
- Vegetable cutter. J. F. Haynes. 1,979,199; Oct. 30.
- Vegetable cutter. C. A. Thomas. 1,945,239; Jan. 30.
- Vegetable extract and juice and product thereof, Producing. J. B. Rolle. 1,978,171; Oct. 23.
- Vegetable fiber product of high strength and making same, Hard. R. M. Boehm. 1,941,536; Jan. 2.
- Vegetable fibers for spinning, Preparing. A. W. Withey. 1,959,400; May 22.
- Vegetable food product and dessert preparation. H. Sher. 1,974,474; Sept. 25.
- Vegetable growths to produce cellulose, Digestion of. H. B. Kipper. 1,975,161; Oct. 2.
- Vegetable growths to produce cellulose, Digestion of. H. B. Kipper. 1,985,609; Dec. 25.
- Vegetable jelly composition. A. W. Thomas and M. Matikow. 1,946,649; Feb. 13.
- Vegetable product, Making. M. Bonotto. 1,973,281; Sept. 11.
- Vegetable slicing holder. J. R. Alexander. 1,951,466; Mar. 20.
- Vegetable tissue for extraction and making the same, Flaked. R. B. McKinnis. 1,956,425; Apr. 24.
- Vegetable tissue for extraction, Flaked. R. B. McKinnis. 1,956,424; Apr. 24.
- Vegetables and the like, Apparatus for peeling. R. Hoe. 1,966,501; July 17.
- Vegetables and the like materials, Device for subdividing. J. Rathmill. 1,942,773; Jan. 9.
- Vegetables, Canning. A. H. Fiske. 1,966,927; July 17.
- Vegetables fresh, Device for maintaining. J. M. Sears. 1,985,464; Dec. 25.
- Vegetables with soda and gaseous chlorine for the industrial production of cellulose, Continuous treatment of. U. Pomilio. 1,970,148; Aug. 14.
- Vehicle. K. A. Bralnard. 1,982,853; Dec. 4.
- Vehicle. C. Brown. 1,965,450; July 3.
- Vehicle. C. Brown. 1,965,451; July 3.
- Vehicle. W. Hermann. 1,958,623; May 15.
- Vehicle. J. E. Houdasbelt. 1,946,164; Feb. 6.
- Vehicle. H. A. Knox. 1,968,043; July 31.
- Vehicle. P. Lim. 1,953,084; Apr. 3.
- Vehicle. L. Martinage. 1,953,563; Apr. 3.
- Vehicle. L. Martinage. 1,975,725; Oct. 2.
- Vehicle. R. E. Robne. 1,964,894; July 3.
- Vehicle. B. J. Sanford. 1,967,432; July 24.
- Vehicle. R. R. Webber. 1,973,030; Sept. 11.
- Vehicle. G. W. Yost. 1,964,778; July 3.
- Vehicle actuated switch. A. O. Olafson. 1,972,534; Sept. 4.
- Vehicle advertising display apparatus. O. L. Bard. 1,973,276; Sept. 11.
- Vehicle advertising sign. W. G. Hasley. 1,948,578; Feb. 27.
- Vehicle and operating same, Electrically driven road. W. B. Pageol. 1,972,333; Sept. 4.
- Vehicle and vehicle door operating mechanism. F. Hedley and J. S. Doyle. 1,976,223; Oct. 9.
- Vehicle antiskid device. F. Garigliano and L. Lattanzi. 1,974,773; Sept. 25.
- Vehicle artillery wheel. P. M. Miller. 1,966,826; July 17.
- Vehicle assembly, Motor. M. H. Carpenter and C. B. Kirkham. 1,971,209; Aug. 21.
- Vehicle, Automotive. H. E. Curtis. 1,953,749; Apr. 3.

- Vehicle, Automotive. N. B. Geddes, W. Paxton, and W. H. Stangle. Des. 93,863; Nov. 20.
- Vehicle, Automotive. G. Heidemann. 1,979,545; Nov. 6.
- Vehicle, Automotive. F. A. E. Jenkins. 1,963,091; June 19.
- Vehicle, Automotive. H. E. Swift. 1,968,623; July 31.
- Vehicle, Baby. J. P. Griffin and W. B. Anderson. 1,965,313; July 8.
- Vehicle body. J. A. A. de Vizcaya. 1,951,863; Mar. 20.
- Vehicle body. C. Scheifele. 1,954,495; Apr. 10.
- Vehicle body. H. T. Winner. 1,960,096; May 22.
- Vehicle body construction. C. A. Butler. 1,943,581; Jan. 16.
- Vehicle body construction. J. J. Punke. 1,966,968; July 17.
- Vehicle body construction. A. S. Thompson. 1,980,559; Nov. 13.
- Vehicle body construction, Motor. N. P. Larsen. 1,944,439; Jan. 23.
- Vehicle body construction, Motor. A. L. Luce. 1,948,223; Feb. 20.
- Vehicle body drip channel construction. J. Ledwinka. 1,972,267; Sept. 4.
- Vehicle body equalizing mechanism. H. K. Moffitt. 1,984,978; Dec. 18.
- Vehicle body for barrels. P. Murray. 1,985,739; Dec. 25.
- Vehicle body, Plural deck. J. Campbell. 1,946,013; Feb. 6.
- Vehicle body, Three-wheeled. H. Grade. 1,970,907; Aug. 21.
- Vehicle body tilting mechanism. A. W. Hunz. 1,968,148; July 31.
- Vehicle brake. V. G. Apple. 1,968,583; July 31.
- Vehicle brake. V. G. Apple. 1,968,586-9; July 31.
- Vehicle brake. A. G. Cushing. 1,946,486; Feb. 13.
- Vehicle brake. G. Napolitan. 1,947,272; Feb. 13.
- Vehicle brake. J. W. White. 1,975,887; Oct. 9.
- Vehicle brake. J. W. White. 1,980,512; Nov. 13.
- Vehicle brake. E. R. Whitney. 1,952,226; Mar. 27.
- Vehicle buffer mechanism, Railway. G. H. Zouck. 1,961,094; May 29.
- Vehicle bumper bar, Making a. S. W. Hemstreet. 1,959,027; May 15.
- Vehicle cab. W. H. Edwards. 1,974,376; Sept. 18.
- Vehicle cab, Motor. F. G. Alborn and V. Schreckengost. Des. 93,959-60; Dec. 4.
- Vehicle cab, Motor. V. Schreckengost and F. G. Alborn. Des. 93,997-8; Dec. 4.
- Vehicle, Child's. D. W. Gill, M. P. Orr, and F. F. Taylor. Re19,139; Apr. 17.
- Vehicle, Child's. H. M. Griffoul. 1,962,013; June 5.
- Vehicle, Child's propelled. R. A. Maypole. 1,977,317; Oct. 16.
- Vehicle, Collapsible trailer. H. H. Staugaard. 1,982,935; Dec. 4.
- Vehicle, Combination day and sleeping passenger carrying. A. E. Hutt. 1,985,607; Dec. 25.
- Vehicle, Compartment. E. Flagg. 1,973,617; Sept. 11.
- Vehicle construction. H. S. Eberhard. 1,970,001; Aug. 14.
- Vehicle construction. D. T. Hastings and G. F. Knowles. 1,975,208; Oct. 2.
- Vehicle construction. J. R. Hughes. 1,982,105; Nov. 27.
- Vehicle construction. H. H. Linn. 1,954,637; Apr. 10.
- Vehicle construction. H. H. Linn. 1,959,168; May 15.
- Vehicle control. C. G. Mahana. 1,983,628; Dec. 11.
- Vehicle control mechanism, Motor. J. O. Heinze. 1,985,168; Dec. 18.
- Vehicle control system, Motor. E. Fleischhammer. 1,941,887; Jan. 2.
- Vehicle, Convertible motor. J. W. McCullough and F. Dormann. 1,973,494; Sept. 11.
- Vehicle coupler. A. L. Schuller. 1,979,908; Nov. 6.
- Vehicle, Delivery. K. R. Herman. 1,957,645; May 8.
- Vehicle delivery. E. J. W. Ragsdale. 1,981,633; Nov. 20.
- Vehicle direction indicator. C. L. Rosen. 1,954,492; Apr. 10.
- Vehicle direction signal. D. A. Rossi. 1,948,050; Feb. 20.
- Vehicle directional signal. J. B. Kingsley. 1,977,586; Oct. 16.
- Vehicle draft and buffing gear, Friction. G. H. Emerson and J. J. Tatum. 1,972,041; Aug. 28.
- Vehicle drive. F. R. Higley. 1,984,830-1; Dec. 18.
- Vehicle drive mechanism, Motor. A. S. Diack. 1,946,016; Feb. 6.
- Vehicle driving means. A. S. Diack. 1,984,179; Dec. 11.
- Vehicle, Dual drive multiwheel road. R. B. Fageol. 1,949,830; Mar. 6.
- Vehicle, Dump. H. F. Flowers. 1,972,042; Aug. 28.
- Vehicle, Dump. E. Rubini and P. Quartorone. 1,970,627; Aug. 21.
- Vehicle dump body. A. A. Forde. 1,948,170; Feb. 20.
- Vehicle, Dumping. A. M. Hansen. 1,969,173; Aug. 7.
- Vehicle, Dumping. C. F. Higgins. Re19,042; Jan. 9.
- Vehicle dumping mechanism. R. W. Oglesby. 1,973,014; Sept. 11.
- Vehicle electric system, Motor. E. E. Huntington. 1,948,443; Feb. 20.
- Vehicle, Electrically driven. S. S. Guy and W. A. Stevens. 1,948,376; Feb. 20.
- Vehicle, Endless track. P. Dopp. 1,966,544; July 17.
- Vehicle, Endless track. A. Kégresse. 1,980,276; Nov. 13.
- Vehicle, Endless track. L. Martinage. 1,975,726; Oct. 2.
- Vehicle frame. R. H. Maddock and A. W. Knudsen. 1,953,620; Apr. 3.
- Vehicle frame. W. A. McKinley. 1,978,055; Oct. 23.
- Vehicle having a fluid-medium door control, Dump. H. F. Flowers. 1,983,280; Dec. 4.
- Vehicle headlighting system, Motor. K. D. Chambers. 1,955,173; Apr. 17.
- Vehicle heater. A. J. Roggenbauer. 1,966,522; July 17.
- Vehicle, Invalid. J. H. Kasten and H. McIntosh. 1,949,163; Feb. 27.
- Vehicle jack. S. O. Edmonds. 1,961,873; June 5.
- Vehicle jacking device. R. L. Tweedale. 1,981,887; Nov. 27.
- Vehicle lamp. N. C. Madsen. 1,976,240; Oct. 9.
- Vehicle lamp controlling means. E. C. McCoy. 1,970,331; Aug. 14.
- Vehicle, Land. L. H. Thoen. 1,962,536; June 12.
- Vehicle leaf-spring construction. S. F. Briggs. 1,945,801; Feb. 6.
- Vehicle lift, Dual-post. L. C. Stukenborg. 1,982,936; Dec. 4.
- Vehicle lift, Hydraulic. L. C. Stukenborg. 1,962,220; June 12.
- Vehicle lift, Motor. W. F. Essex. 1,960,871; May 29.
- Vehicle lifting device. J. L. Barr. 1,967,219; July 24.
- Vehicle light. S. B. Somervell. 1,949,551; Mar. 6.
- Vehicle light. W. A. Ziesing. 1,946,379; Feb. 6.
- Vehicle, Load carrying. T. Parsons. 1,956,994; May 1.
- Vehicle loading means for box cars. W. L. Thomas. 1,978,287; Oct. 23.
- Vehicle locking device. J. W. Franke and L. Palmiotta. 1,967,998; July 24.
- Vehicle, Marine. A. P. Cisneros. 1,964,452; June 26.
- Vehicle, Motor. E. K. Baker. 1,979,522; Nov. 6.
- Vehicle, Motor. L. R. Buckendale. 1,946,060; Feb. 6.
- Vehicle, Motor. J. M. Christman. 1,953,214; Apr. 3.
- Vehicle, Motor. G. H. Curtiss. 1,948,744-5; Feb. 27.
- Vehicle, Motor. G. H. Curtiss. 1,980,613; Nov. 13.
- Vehicle, Motor. H. S. Eberhard. 1,959,618; May 22.
- Vehicle, Motor. H. S. Eberhard. 1,982,727; Dec. 4.
- Vehicle, Motor. W. B. Fageol. Des. 91,556; Feb. 20.
- Vehicle, Motor. R. B. Fageol. 1,947,337; Feb. 13.
- Vehicle, Motor. D. M. Ferguson and E. R. Maurer. 1,978,300; Oct. 23.
- Vehicle, Motor. A. M. Graffis. 1,974,535; Sept. 25.
- Vehicle, Motor. R. C. Hoffman. 1,976,071; Oct. 9.
- Vehicle, Motor. E. C. Horton and G. Dykstra. 1,964,400; June 26.
- Vehicle, Motor. N. P. Larsen. Des. 92,009; Apr. 17.
- Vehicle, Motor. A. Moorhouse. 1,942,182; Jan. 2.
- Vehicle, Motor. A. Moorhouse. 1,978,908; Oct. 30.
- Vehicle, Motor. L. G. Nicholson. 1,952,091; Mar. 27.
- Vehicle, Motor. C. R. Paton. 1,943,547; Jan. 16.
- Vehicle, Motor. E. G. Purdy. 1,944,668; Jan. 23.
- Vehicle, Motor. E. G. Purdy. 1,984,546; Dec. 18.
- Vehicle, Motor. W. H. Radford. 1,943,551; Jan. 16.
- Vehicle, Motor. W. H. Radford. 1,983,877; Dec. 11.
- Vehicle, Motor. S. Smith. 1,953,515; Apr. 3.
- Vehicle, Motor. M. Tibbetts. 1,942,225; Jan. 2.
- Vehicle, Motor. C. W. Van Rans. 1,984,291; Dec. 11.
- Vehicle, Motor. W. H. Wilcox. 1,975,525; Oct. 2.
- Vehicle, Motor delivery. K. R. Herman. 1,972,224; Sept. 4.
- Vehicle, Motor-driven. R. H. Koppel and J. Linden. 1,980,277; Nov. 13.
- Vehicle, Movable floor. A. E. Renwick. 1,970,899; Aug. 21.
- Vehicle, Movable floor. A. E. Renwick and C. Solomon. 1,970,900; Aug. 21.
- Vehicle, Multiwheel road. R. B. Fageol. 1,975,202; Oct. 2.
- Vehicle, Multiwheel road. R. B. Fageol. 1,981,449; Nov. 20.
- Vehicle, Multiwheel road. R. B. Fageol. 1,981,593; Nov. 20.
- Vehicle, Multiwheel twin-motor road. W. B. Fageol. 1,973,144; Sept. 11.
- Vehicle or analogous article, Dispensing. M. Harrison. Des. 92,468; June 12.
- Vehicle position indicator. W. H. Pavitt. 1,981,183; Nov. 20.
- Vehicle, Power-driven. F. Nallinger. 1,974,033; Sept. 18.
- Vehicle, Railroad. W. F. Kasper. 1,984,746; Dec. 18.
- Vehicle, Railway. A. J. Townsend. 1,947,683; Feb. 20.
- Vehicle, Railway draft. C. B. Faverty. 1,981,618; Nov. 20.
- Vehicle, Refuse collection. A. and W. J. Hulley. 1,961,587; June 5.
- Vehicle, Road. C. S. Ash. 1,979,598; Nov. 6.
- Vehicle seat. L. R. Smelker. 1,942,070; Jan. 2.
- Vehicle sideward, Device for driving a. J. L. Barr. 1,954,308; Apr. 10.
- Vehicle signal. S. F. Damm and F. Bjarnov. 1,970,494; Aug. 14.
- Vehicle signal. V. La Bella. Des. 94,035; Dec. 11.
- Vehicle signal. A. Ludrick. 1,951,164; Mar. 13.
- Vehicle signal. G. W. Rydner. 1,970,252; Aug. 14.
- Vehicle signal. R. L. Shoup. 1,951,172; Mar. 13.
- Vehicle signal. E. W. Swartwout. 1,973,299; Sept. 11.
- Vehicle signal. R. P. White. 1,965,916; July 10.
- Vehicle signal, Automatic. J. B. Tsavaris. 1,950,278; Mar. 6.
- Vehicle signal indicator. F. Mamiya. 1,981,274; Nov. 20.
- Vehicle signal switch. A. C. Kostka. 1,942,297; Jan. 2.
- Vehicle signal switch. J. E. Tsavaris. 1,956,479; Apr. 24.
- Vehicle, Six wheel. G. R. Ingersoll. 1,959,585; May 22.
- Vehicle spring. F. B. Bell. 1,984,565; Dec. 18.

- Vehicle spring. P. S. Devine. 1,971,709; Aug. 28.
 Vehicle spring. E. T. Petrak. 1,946,357; Feb. 6.
 Vehicle spring. R. B. Sinning. 1,952,292; Mar. 27.
 Vehicle spring assembly. I. H. Judd. 1,985,414; Dec. 25.
 Vehicle, Steam propelled railway. G. W. Engstrom, C. B. Favery, and E. C. Walker. 1,983,539; Dec. 11.
 Vehicle steering gear. A. Toupin. 1,944,333; Jan. 23.
 Vehicle steering mechanism. T. C. Prouty and D. R. Trinkle. 1,956,877; May 1.
 Vehicle steering wheel. W. E. Webb. 1,984,293; Dec. 11.
 Vehicle step. S. Lamonic and E. R. Caruso. 1,982,748; Dec. 4.
 Vehicle structure. F. E. Dayes. 1,980,787; Nov. 13.
 Vehicle structure, Railway. G. F. Driemeyer. 1,948,259; Feb. 20.
 Vehicle suspension. A. E. Forsyth. 1,977,547; Oct. 16.
 Vehicle suspension mechanism. Z. Littman. 1,978,498; Oct. 30.
 Vehicle suspension spring rebound check. W. McNeil. 1,966,990; July 17.
 Vehicle, Temperature controlled. C. W. Spohr. 1,982,079; Nov. 27.
 Vehicle test equipment, Automotive. G. E. Platzler. 1,964,532; June 26.
 Vehicle tire. A. G. Maranville. 1,969,088; Aug. 7.
 Vehicle top sign. F. J. O'Connor. 1,942,444; Jan. 9.
 Vehicle top washer, Motor. F. X. Zimmer. 1,962,167; June 12.
 Vehicle, Track-laying. H. A. Knox. 1,952,078; Mar. 27.
 Vehicle, Track laying. H. A. Knox and B. F. Baker. 1,981,867; Nov. 27.
 Vehicle trailer construction. N. B. Thompson. 1,980,015; Nov. 6.
 Vehicle, Trailer tank. F. G. Thwaites. Des. 92,686; July 3.
 Vehicle transmission, Motor. A. Moorhouse. 1,946,871; Feb. 13.
 Vehicle transport. R. B. Sinning. 1,980,298; Nov. 13.
 Vehicle treating device. C. F. and E. J. Seibert. 1,970,674; Aug. 21.
 Vehicle turntable. G. A. Smith. 1,977,864; Oct. 23.
 Vehicle wheel. J. F. Duby. 1,982,377; Nov. 27.
 Vehicle wheel. M. W. and L. S. Feinberg. 1,946,787; Feb. 13.
 Vehicle wheel. J. W. Holt. 1,966,667; July 17.
 Vehicle wheel. J. H. Hunt. 1,950,245; Mar. 6.
 Vehicle wheel. J. H. Hunt. 1,982,106; Nov. 27.
 Vehicle wheel. C. G. Keller. 1,952,075-6; Mar. 27.
 Vehicle wheel. S. and N. Kroll. 1,982,309; Nov. 27.
 Vehicle wheel. P. M. Miller. 1,966,827; July 17.
 Vehicle wheel. P. M. Miller. 1,978,026; Oct. 23.
 Vehicle wheel. P. M. Miller. 1,985,351; Dec. 25.
 Vehicle wheel. P. M. and R. B. Miller. 1,983,867; Dec. 11.
 Vehicle wheel. R. B. Miller. 1,951,623; Mar. 20.
 Vehicle wheel. B. N. Munson. 1,971,756; Aug. 28.
 Vehicle wheel. C. W. Sinclair. 1,965,204; July 3.
 Vehicle wheel. A. W. Woodward. 1,969,193; Aug. 7.
 Vehicle wheel. E. Zipper. 1,959,754; May 22.
 Vehicle wheel, Railway. J. G. Blunt. 1,952,488; Mar. 27.
 Vehicle wheel, Railway. J. G. Blunt. 1,952,489; Mar. 27.
 Vehicle, Wheeled. L. M. Francis. 1,962,497; June 12.
 Vehicle, Wheeled. S. J. Pehrsson. 1,958,494; May 15.
 Vehicle wheels, Making. A. W. Woodward. 1,952,404; Mar. 27.
 Vehicle with actuated doors, Dump. H. F. Flowers. 1,949,120; Feb. 27.
 Vehicle with actuated doors, Dump. H. F. Flowers. 1,972,043; Aug. 28.
 Vehicles and the like, Transporting. I. H. Judd. Re19,094; Feb. 27.
 Vehicles and the like, Transporting. J. B. Miller. 1,949,172; Feb. 27.
 Vehicles, Apparatus and method for lubricating. A. G. Maddigan and R. E. Rousseau. 1,963,920; June 19.
 Vehicles, Apparatus for discharging concrete transporting. A. E. Miller. 1,966,866; July 17.
 Vehicles, Apparatus for testing motor. G. H. Walker. 1,966,603; July 17.
 Vehicles, Front end construction for motor. L. C. Freeman. 1,943,665; Jan. 16.
 Vehicles, Hydraulic propulsion of. E. E. Adams. 1,977,033; Oct. 16.
 Vehicles, Mechanism for controlling delivery. E. R. Maurer and D. M. Ferguson. 1,942,181; Jan. 2.
 Vehicles, Method and apparatus for transferring. S. E. Buettell and F. J. Schraeder, Jr. 1,973,605; Sept. 11.
 Vehicles, Operating aerial. S. Morse. 1,972,242; Sept. 4.
 Vehicles, Prevention of skidding of. W. Josky. 1,943,917; Jan. 16.
 Vehicles, Suspension of. E. Lombard. 1,976,951; Oct. 16.
 Vehicles, Turning stationary. R. de Vaal. 1,974,705; Sept. 25.
 Veined object, Self-reinforcing and/or antislipping. H. A. R. Zehraut. 1,970,830; Aug. 21.
 Velocipede. B. J. Anderson. Des. 91,749; Mar. 20.
 Velocipede. B. J. Anderson. Des. 92,446; June 12.
 Velocipede. B. J. Anderson. Des. 92,790; July 17.
 Velocipede. G. E. Bullock. Des. 93,153; Aug. 28.
 Velocipede. G. E. Bullock. Des. 93,155; Aug. 28.
 Velocipede. G. E. Bullock. Des. 94,114; Dec. 25.
 Velocipede. A. C. Korte. 1,964,993; July 3.
 Velocipede. R. V. Sawyer. Des. 92,114; Apr. 24.
 Velocipede. H. L. van Doren, and J. G. Rideout. Des. 94,102; Dec. 18.
 Velocipede, cart, and tractor-trailer, Combined. H. F. Krug. 1,954,179; Apr. 10.
 Velocipede, Combination. H. Koch. 1,965,194; July 3.
 Velocipede frame construction. G. E. Bullock. 1,984,916; Dec. 18.
 Velocity of a moving body, Determining the. H. C. Hayes. 1,985,251; Dec. 25.
 Vender, Automatic liquid. J. M. Alexander. 1,963,575; June 19.
 Vending and change making machine, Combined. M. Dorman. 1,971,298; Aug. 21.
 Vending and change making mechanism, Coin controlled. F. Velaquez. 1,961,537; June 5.
 Vending and dispensing apparatus. H. C. Folger. 1,975,540; Oct. 2.
 Vending and weighing machine casing, Combined. N. E. May. Des. 91,326; Jan. 9.
 Vending and weighing machine casing, Combined. N. E. May. Des. 93,031; Aug. 14.
 Vending apparatus, Refrigerated. S. E. Link and F. G. White. 1,974,800; Sept. 25.
 Vending device. A. Kuhn and C. H. Heitman. 1,981,272; Nov. 20.
 Vending machine. A. D. Antoine and A. E. Gebert. 1,941,781; Jan. 2.
 Vending machine. G. E. Ball. Des. 92,570; June 26.
 Vending machine. L. Bonaccolta and J. Noodleman. 1,951,746; Mar. 20.
 Vending machine. F. Casau. 1,977,543; Oct. 16.
 Vending machine. J. A. Crimp. 1,944,499; Jan. 23.
 Vending machine. F. J. Fell, jr. 1,962,640; June 12.
 Vending machine. J. Fritsche and J. C. Hadik. 1,944,229; Jan. 23.
 Vending machine. M. Gensburg. Des. 92,396; June 5.
 Vending machine. H. Giles. 1,978,899; Oct. 30.
 Vending machine. R. Groetchnen. 1,978,395; Oct. 23.
 Vending machine. O. J. Hawley. 1,958,270; May 8.
 Vending machine. S. C. Ide. 1,978,205; Oct. 23.
 Vending machine. J. W. Ing. 1,945,743; Feb. 6.
 Vending machine. V. H. Kelley. 1,946,078; Feb. 6.
 Vending machine. J. F. Lindberg. 1,950,361; Mar. 6.
 Vending machine. F. A. Madden. 1,952,447; Mar. 27.
 Vending machine. W. F. Main. Des. 92,914; July 31.
 Vending machine. J. H. McCormick and F. M. Bender. 1,947,999; Feb. 20.
 Vending machine. E. Mihalek. 1,942,440; Jan. 9.
 Vending machine. R. J. Morrison. 1,963,443; June 19.
 Vending machine. R. R. Nelson. 1,980,819; Nov. 13.
 Vending machine. G. E. Nicholson. 1,959,084; May 15.
 Vending machine. N. P. Petersen. 1,959,688; May 22.
 Vending machine. B. Radke. 1,981,467; Nov. 20.
 Vending machine. M. H. Richardson and A. E. Gebert. 1,960,065; May 22.
 Vending machine. J. Rinaldi. 1,984,893; Dec. 18.
 Vending machine. C. R. Simpkins. 1,968,226; July 31.
 Vending machine. C. R. Simpkins. 1,982,236; Nov. 27.
 Vending machine. M. Takeshita. 1,943,702; Jan. 16.
 Vending machine. B. Tyler. 1,971,883; Aug. 28.
 Vending machine. R. A. Vogel. 1,977,837; Oct. 23.
 Vending machine. B. and M. A. Wachs, and D. H. Colin. 1,947,322; Feb. 13.
 Vending machine. C. Walker. 1,946,370; Feb. 6.
 Vending machine. C. M. Weeks. 1,965,164; July 3.
 Vending machine. H. C. Williamson. 1,946,183; Feb. 6.
 Vending machine and lamp or article of similar nature, Combined. R. A. Vogel. Des. 93,258; Sept. 4.
 Vending machine cabinet. J. F. Meyer. Des. 92,669; July 3.
 Vending machine casing. B. A. Hackett. Des. 94,139; Dec. 25.
 Vending machine casing. J. Rinaldi. Des. 91,500; Feb. 13.
 Vending machine casing. E. L. Zacher. Des. 93,372-3; Sept. 18.
 Vending machine, Coin controlled. W. L. Gilchrist. 1,970,006; Aug. 14.
 Vending machine, Coin controlled. H. T. Mosfelt. 1,958,763; May 15.
 Vending machine, Coin controlled. W. Rabkin. 1,978,167; Oct. 23.
 Vending machine, Coin controlled. R. A. Vogel. 1,947,891; Feb. 20.
 Vending machine, Coin controlled. F. H. and R. A. Vogel. 1,981,931; Nov. 27.
 Vending machine, Coin-controlled. F. H. and R. A. Vogel. 1,982,273; Nov. 27.
 Vending machine, Coin controlled. R. A. Vogel. 1,982,274; Nov. 27.
 Vending machine, Coin controlled automatically cooled. R. J. Tempas. 1,965,864; July 10.
 Vending machine, Commodity. F. L. Mills. 1,968,500; July 31.
 Vending machine, Multiple coin actuated. W. L. Gilchrist and W. T. Hoofnagle. 1,948,107; Feb. 20.
 Vending, weighing, and advertising device, Combined. G. G. Eidman. Des. 93,207; Sept. 4.
 Veneer. R. N. Hartzell. 1,980,054; Nov. 6.
 Veneer. C. T. Wilber. 1,961,627; June 5.
 Veneer and backing bond and anchor. D. B. Danielson. 1,946,732; Feb. 13.
 Veneer brick and means for securing same to a surface. A. A. Peasley and J. C. Peckosh. 1,969,148; Aug. 7.
 Veneer cutting machine. J. F. McCarroll. 1,951,834; Mar. 20.
 Veneer handling machine. G. F. Styron. 1,957,621; May 8.

- Veneer machine. H. Wentjar. 1,946,375; Feb. 6.
 Veneering. R. N. Hartzell. 1,954,754; Apr. 10.
 Veneering of building structures. G. L. Bennett. 1,963,966; June 26.
 Vent for liquid storage tanks. J. A. Jensen. 1,973,258; Sept. 11.
 Vent for tanks. F. Shenton. 1,948,773; Feb. 27.
 Vented container. W. W. Hodgson. 1,958,513; May 15.
 Vented mold. B. S. Garvey, jr. 1,983,976; Dec. 11.
 Venting device for liquid reservoirs. E. Schneider. 1,942,780; Jan. 9.
 Venting system. G. Carvelli. 1,979,025; Oct. 30.
 Ventilator motor. G. T. Pfeiffer. 1,961,387; June 5.
 Ventilating and air conditioning apparatus. J. Askin. 1,958,225; May 8.
 Ventilating and air treating apparatus. A. Sargent. 1,949,379; Feb. 27.
 Ventilating and conditioning buildings, Apparatus for. C. A. Bulkeley. 1,949,735; Mar. 6.
 Ventilating and/or cooling vehicle body. W. Lintern. 1,961,978; June 5.
 Ventilating apparatus for buildings. G. G. Grothaus. 1,988,680; July 31.
 Ventilating apparatus for dynamo-electric machines. M. L. Blair. 1,963,398; June 19.
 Ventilating apparatus for dynamo-electric machines. H. G. Kamrath. 1,958,047; May 8.
 Ventilating apparatus for vehicle bodies. W. de F. Crowell. 1,980,039; Nov. 6.
 Ventilating attachment for windows. C. Raw. 1,977,206; Oct. 16.
 Ventilating cowl. E. C. Dearing. 1,955,176; Apr. 17.
 Ventilating device. G. C. Cross. 1,972,076; Sept. 4.
 Ventilating device. F. J. Kurth. 1,982,747; Dec. 4.
 Ventilating device. B. A. Morton. 1,976,032; Oct. 9.
 Ventilating device for automobile doors. R. E. Sullivan. 1,960,601; May 29.
 Ventilating device, Window. C. F. Doscher. 1,960,434; May 29.
 Ventilating means for electrical windings. L. E. Sauer. 1,984,996; Dec. 18.
 Ventilating means for reactance coils. L. E. Sauer. 1,955,313; Apr. 17.
 Ventilating mechanism. F. M. Givens. 1,956,123; Apr. 24.
 Ventilating ships' cargo compartments, Apparatus for. M. J. Hanlon. 1,973,623; Sept. 11.
 Ventilating system. G. A. Barker. 1,968,119; July 31.
 Ventilating system. J. Leeuw. 1,981,051; Nov. 20.
 Ventilating system. P. Rogliano. 1,965,158; July 3.
 Ventilating system. D. H. Wesley. 1,984,294; Dec. 11.
 Ventilating unit. W. Shurtleff. 1,971,356; Aug. 28.
 Ventilation, Method and apparatus for. W. L. Fleisher. 1,983,023; Dec. 4.
 Ventilation of dynamo-electric machines. R. Clason. 1,963,401; June 19.
 Ventilator. See—
 Automobile ventilator. Rotary crown ventilator.
 Bus ventilator. Rotary ventilator.
 Crank case ventilator. Shoe ventilator.
 Exhaust ventilator. Soundproof ventilator.
 Flexible ventilator. Window ventilator.
 Foundation and attic ventilator. Windshield and window ventilator.
 Ventilator. W. H. Blakeslee. 1,978,399; Oct. 30.
 Ventilator. H. R. Boyer. 1,965,171; July 3.
 Ventilator. T. J. Devine. 1,966,431; July 17.
 Ventilator. E. Dietze and W. D. Goodale, jr. 1,964,845; July 3.
 Ventilator. R. G. Ferris. 1,951,824; Mar. 20.
 Ventilator. R. G. Ferris. 1,975,316; Oct. 2.
 Ventilator. W. L. C. Huxter. 1,944,321; Jan. 23.
 Ventilator. P. S. Martin. 1,957,971; May 8.
 Ventilator. G. A. Mitchell. 1,962,783; June 12.
 Ventilator. R. F. Norris. 1,967,838; July 24.
 Ventilator. H. R. Paulick. 1,956,249; Apr. 24.
 Ventilator. J. C. Poole. 1,949,877; Mar. 6.
 Ventilator. G. H. Sipe. 1,946,887; Feb. 13.
 Ventilator. G. Steeb. 1,961,800; June 5.
 Ventilator. B. H. Wagner. 1,968,431; July 31.
 Ventilator. P. Wingert. 1,943,573; Jan. 16.
 Ventilator and awning, Combined. C. Fischer. 1,950,545; Mar. 13.
 Ventilator and method, Vehicle body. W. and A. R. Lintern. 1,958,056; May 8.
 Ventilator and method, Vehicle body. W. and A. R. Lintern. 1,969,934-5; Aug. 14.
 Ventilator construction. A. P. Ball. Re19,268; Aug. 14.
 Ventilator construction. F. N. Ross. 1,971,920; Aug. 28.
 Ventilator device and Creosote preventer. G. Moser. 1,967,128; July 17.
 Ventilator for cars. W. J. Pine and N. L. Willer. 1,955,088-9; Apr. 17.
 Ventilator for shoes and boots, Waterproof. P. Kamrass. 1,971,223; Aug. 21.
 Ventilator for vehicles. S. W. Funk. 1,971,556; Aug. 28.
 Ventilator or draft shield, Window. A. O. Schaefer. 1,967,974; July 24.
 Ventilator package. R. G. Ferris. 1,951,825; Mar. 20.
 Ventilator panel for windows. W. L. Manning. 1,954,017; Apr. 10.
 Ventilator screen. F. L. Ricker. 1,944,133; Jan. 16.
 Venturi tube. C. I. Justheim. 1,973,714; Sept. 18.
 Verifying machine. D. C. Daubmeyer. 1,954,522; Apr. 10.
 Verifying machine, Electric. F. R. Jones. 1,976,615; Oct. 9.
 Vermiculite manufacture, Expanded. C. S. Miner and R. Ericson. 1,963,276; June 19.
 Vermiculite, Production of expanded. C. S. Miner. 1,972,390; Sept. 4.
 Vermiculite treating. O. A. Labus. 1,963,275; June 19.
 Vermiculite treating. G. M. Thomson. 1,950,829; Mar. 13.
 Vermine destroyer. L. B. Dougherty and W. J. Anderson. 1,963,838; June 19.
 Vermin, Device for destroying. L. Cook. 1,944,784; Jan. 23.
 Vernier for meter recording mechanism. P. S. Morgan. 1,976,407; Oct. 9.
 Vernier tuning mechanism. D. O. Earnshaw. 1,946,423; Feb. 6.
 Vertical lift jack. E. C. Bergh. 1,966,749; July 17.
 Vertical shaft furnace. H. A. Brassert, F. Willie, and P. Zimmermann. 1,948,696; Feb. 27.
 Vertical strip reel. J. A. Smitmans. 1,984,815; Dec. 18.
 Vessel. H. M. Knight. 1,980,998; Nov. 20.
 Vessel and cover for electric cooker, Combined. M. W. Hanks. Des. 91,521; Feb. 20.
 Vessel and removing caps therefrom. F. L. Darling. 1,948,513; Feb. 27.
 Vessel capping machine. F. L. Darling. 1,978,522; Oct. 30.
 Vessel, Cooking. P. Bourque. 1,983,118; Dec. 4.
 Vessel, Drinking. P. J. Werber and J. C. Sampson. 1,975,241; Oct. 2.
 Vessel for cocktails. J. W. Jennings. 1,975,462; Oct. 2.
 Vessel for collecting turpentine gum. C. K. Dunlap. 1,965,138; July 3.
 Vessel having a discharge space which is limited by a metal wall, Discharge. J. Altfer. 1,955,665; Apr. 17.
 Vessel, Heat insulated. C. S. Brown. 1,953,585; Apr. 3.
 Vessel, Lined pressure. O. E. Andrus. 1,962,168; June 12.
 Vessel, Metallic. O. E. Andrus. 1,972,728; Sept. 4.
 Vessel, Oil dispensing. A. G. Thomas. 1,953,200; Apr. 3.
 Vessel, Self watering flower. H. D. Kneller. 1,977,827; Oct. 23.
 Vessel, Stirring. E. Keller. 1,983,233; Dec. 4.
 Vessel transferring mechanism. W. L. McNamara. 1,947,609; Feb. 20.
 Vessel, Vacuum discharge. W. Dallenbach. 1,957,993; May 8.
 Vessels and other objects, Apparatus for and method of locating sunken. S. Lake. 1,973,719; Sept. 18.
 Vessels and the apparatus used, Manufacturing. E. Pfander. 1,944,527; Jan. 23.
 Vessels, Manufacturing. J. K. Wirth. 1,949,135; Feb. 27.
 Vessels, Sealing evacuated. R. M. Zimmer. 1,967,603; July 24.
 Vest for boys and girls, Novelty. H. E. Radford. Des. 93,672; Oct. 23.
 Vest, Nonsinkable detachable. R. J. Gazelle. 1,968,197; July 31.
 Vest, Trouser supporting. H. Rosenthal. 1,942,151; Jan. 2.
 Vibrating apparatus. E. B. Tolman, jr. 1,942,581; Jan. 9.
 Vibrating centrifugal mold. G. Walter. 1,954,904; Apr. 17.
 Vibrating device. L. B. Cornwell. 1,948,167; Feb. 20.
 Vibrating element, Mechanical. S. A. Scheikunoff. 1,963,719; June 19.
 Vibrating machine for settling contents of bags. C. F. Allison and P. Nacher. 1,947,029; Feb. 13.
 Vibrating, Method and apparatus for. R. Savy. 1,968,711; July 31.
 Vibrating plunging machine. M. F. H. Gouverneur. 1,978,627; Oct. 30.
 Vibrating screen. H. B. Slater. 1,953,270; Apr. 3.
 Vibration absorber for steering wheels. T. Ritchie. 1,984,033; Dec. 11.
 Vibration-absorbing connector. H. D. Geyer. 1,975,145; Oct. 2.
 Vibration damped structure. R. E. Berg. 1,975,918; Oct. 9.
 Vibration dampener. J. J. Boland. 1,950,350; Mar. 6.
 Vibration dampener and isolator. S. E. Slocum. 1,951,217; Mar. 13.
 Vibration dampener for crank shafts. E. G. Gunn. 1,950,886; Mar. 13.
 Vibration dampener for fluid pressure gauges. C. I. Longenecker. 1,957,894; May 8.
 Vibration dampener for machine tools. H. Ernst and M. E. Martellotti. 1,965,224; July 3.
 Vibration dampener motion transmitting element. C. B. Spase. 1,957,114; May 1.
 Vibration dampening motion transmitting element. G. F. Forsythe. 1,966,948; July 17.
 Vibration damper. R. K. Lee. 1,976,789; Oct. 16.
 Vibration damping device. W. S. Fisher. 1,956,015; Apr. 24.
 Vibration detector. H. C. Hayes. 1,951,358; Mar. 20.
 Vibration detector. H. C. Hayes. 1,974,422; Sept. 25.
 Vibration detector. H. C. Hayes. 1,980,993; Nov. 20.
 Vibration indicator, Portable. E. L. Thearle. 1,947,280; Feb. 13.
 Vibration recorder. F. Manthey. 1,957,895; May 8.
 Vibration responsive device. F. A. Firestone, E. J. Abbott, and H. B. Vincent. 1,948,104; Feb. 20.
 Vibration translating system. L. G. Bostwick. 1,981,686; Nov. 20.
 Vibration translation device. C. F. Wiebusch. 1,985,005; Dec. 18.

- Vibration transmitting device. L. G. Bostwick. 1,967,223; July 24.
- Vibration velocity measuring device. H. B. Marvin. 1,961,007; May 29.
- Vibrator. W. L. Keefer. 1,943,220; Jan. 9.
- Vibrator. S. G. Malby. 1,962,747; June 12.
- Vibrator. F. Müller. 1,964,590; June 26.
- Vibrator apparatus. J. K. Clapp and C. E. Worthen. 1,967,184; July 17.
- Vibrator, Body. R. R. Gonsett. 1,974,812; Sept. 25.
- Vibrator conveyor for furnaces. E. B. Hudson. 1,972,191; Sept. 4.
- Vibrator, Electric. W. H. Horsch. 1,979,548; Nov. 6.
- Vibrator, Electric. K. F. Lees. Des. 92,479; June 12.
- Vibrator, Electrically driven. P. F. Scofield. 1,958,071; May 8.
- Vibrator, Electrically-operated. C. G. Kluge. 1,965,382; July 3.
- Vibrator implement. G. B. Pickop. 1,961,388; June 5.
- Vibrator, Magnetostrictive. G. W. Pierce. 1,962,154; June 12.
- Vibrator massage device, Electric. R. Bajette and P. B. Haebler. 1,958,936; May 15.
- Vibrator, Mold. C. Dietrichs. 1,984,363; Dec. 18.
- Vibrator, Pneumotompanic. F. E. Lester. 1,945,372; Jan. 30.
- Vibrator, Power driven. M. Andis. 1,980,312; Nov. 13.
- Vibratory apparatus. K. H. Whitney. 1,956,635; May 1.
- Vibratory device, Electro-therapeutic and mechanical. G. F. Schmidt. 1,955,863; Apr. 24.
- Vibratory devices, Making. W. S. Kellar. 1,951,873-4; Mar. 20.
- Vibratory electric motor. W. C. Ude. 1,952,341; Mar. 27.
- Vibratory pad. E. A. Binney. 1,945,675; Feb. 6.
- Vibratory system and apparatus. G. W. Pierce. 1,962,155; June 12.
- Vibratory tuning and regulating device. A. J. Ashdown. 1,975,308; Oct. 2.
- View finder system. J. A. Ball and G. F. Rackett. 1,957,128; May 1.
- View transmission system. H. Iams. 1,955,332; Apr. 17.
- Vine cutter. W. A. Seright. 1,974,346; Sept. 18.
- Vinegar, Making. C. S. Ash. 1,948,836; Feb. 27.
- Vinylacetylene, Preparation of. G. A. Perkins and W. J. Toussaint. 1,971,656; Aug. 28.
- Vinyl compounds in the presence of film forming materials, Polymerization of. W. E. Lawson and L. T. Sandborn. 1,975,959; Oct. 9.
- Vinylethynyl carbinol polymers and preparing same. W. H. Carothers, G. J. Berchet, and R. A. Jacobson. 1,963,074; June 19.
- Vinylethynyl derivatives and preparing same. W. H. Carothers and G. J. Berchet. 1,963,935; June 19.
- Vinylethynyl derivatives and producing same. W. H. Carothers and R. A. Jacobson. 1,963,934; June 19.
- Vinyl polymer, Low viscosity. H. J. Barrett. 1,942,531; Jan. 9.
- Violin bow. E. Buser. 1,971,973; Aug. 28.
- Violin positioning attachment. A. Syverston. 1,958,451; May 15.
- Violins, Combination chin and shoulder rest for. M. M. Fisher. 1,971,552; Aug. 28.
- Viscolizer valve. K. D. Smith. 1,963,424; June 19.
- Viscose and making same. L. Lilienfeld. Re19,279-80; Aug. 21.
- Viscose and producing same. H. H. Parker. 1,952,604; Mar. 27.
- Viscose, Manufacture of. A. Kämpf, H. Fink, and A. Matthes. 1,955,239; Apr. 17.
- Viscose solutions for impregnation and other purposes, Conditioning. M. O. Schur. 1,974,755; Sept. 25.
- Viscose solutions, Purifying. W. O. Mitscherling. 1,968,157; July 31.
- Viscose solutions while applying long precipitating distances, Device for spinning. J. Voss. 1,942,990; Jan. 9.
- Viscose spinning solution. R. S. Bley. 1,981,643; Nov. 20.
- Viscosimeter. G. R. Ericson. 1,962,861; June 12.
- Viscosimeter. C. E. Fawkes. 1,942,920; Jan. 9.
- Viscosimeter. A. Kämpf. 1,944,983; Jan. 30.
- Viscosimeter. A. G. Thomas. 1,960,465; May 29.
- Viscosity indicating device. G. R. Eckstein. 1,983,603; Dec. 11.
- Viscosity indicating device. R. J. Haug. 1,972,736; Sept. 4.
- Viscosity meter. W. Albersheim and H. S. Konheim. 1,958,878; May 15.
- Viscosity meter. W. Albersheim and H. S. Konheim. 1,963,011; June 12.
- Viscosity meter. V. A. Schoenberg. 1,960,225; May 22.
- Viscosity, Method and apparatus for measuring. W. A. Nivling. 1,945,822; Feb. 6.
- Viscosity of a colloidal suspension of proteins, Reducing the. A. Leighton. 1,952,017; Mar. 20.
- Viscosity regulator. H. B. Clarke. 1,976,772; Oct. 16.
- Viscous and other substances, Crushing. E. G. Loomis. 1,960,708; May 29.
- Viscous solutions, Apparatus for boiling. R. Sollich. 1,975,560; Oct. 2.
- Vise. W. E. Boyle. 1,961,036; May 29.
- Vise. W. Eggmann. 1,966,338; July 10.
- Vise. A. L. Stowell. 1,959,936; May 22.
- Vise, Carpet. E. V. Hoobler. 1,971,218; Aug. 21.
- Vise for shapers. R. Heinrich. 1,971,069; Aug. 21.
- Vise, Four jaw. C. E. Hill. 1,966,391; July 10.
- Vise, Quick acting. G. A. Gloor. 1,966,064; July 10.
- Visible flow indicator. C. E. Carlson. 1,984,630; Dec. 18.
- Vision, Apparatus for testing. A. P. Wheelock and H. E. Tensen. 1,949,067; Feb. 27.
- Vision fields of multifocal ophthalmic lenses, Apparatus for determining the proper relation between the. J. W. Smith. 1,981,439; Nov. 20.
- Vision testing, Method of and apparatus for. H. G. Dorsey. 1,981,587; Nov. 20.
- Visor. L. L. Wickland. 1,953,791; Apr. 3.
- Visor, Adjustable. W. S. Saunders. 1,942,663; Jan. 9.
- Visual effects, Apparatus for multiple. A. Hudiakoff. 1,952,920; Mar. 27.
- Visual illusion of space in projected motion pictures, Device for producing the. T. H. Marten. 1,952,084; Mar. 27.
- Visual indicating apparatus. G. W. and A. Chenicek. 1,962,805; June 12.
- Visual training appliance. I. Dvorine. 1,970,846; Aug. 21.
- Visualizer disk. A. O. Tate. 1,954,962; Apr. 17.
- Vitamin content of liquid foods, Method and apparatus for increasing the. J. H. Bragg. 1,954,065; Apr. 10.
- Vitamin D, Synthesis of. H. G. Campsie. 1,980,971; Nov. 13.
- Vitamin preparation, Stable. R. C. Huston and H. D. Lightbody. 1,947,432; Feb. 13.
- Vitamine content of a water-soluble vitamin containing material, Concentrating the water-soluble. A. B. O. Norrbirn. 1,975,169; Oct. 2.
- Vitamins from saponifiable oils, Separation of. W. O. Snelling. 1,947,315; Feb. 13.
- Vitamins, Preservation of. L. B. Allyn. 1,964,867; July 3.
- Vitreous articles, Coloring. G. Slayter. 1,949,884; Mar. 6.
- Vitreous composition. H. G. Grimm and P. Huppert. 1,964,629; June 26.
- Vitreous enamel slips, Preparing. R. M. King. 1,953,760; Apr. 3.
- Vitreous material and making same. P. K. Devers. 1,984,178; Dec. 11.
- Vitreous material, Making. G. H. McIntyre and R. W. Stuart. 1,963,910; June 19.
- Vitreous materials, Apparatus for melting. H. F. Hitner. 1,956,171; Apr. 24.
- Voice coil, Making a. B. A. Engholm. 1,956,826; May 1.
- Voice operated switching. E. K. Sandeman and F. G. Filby. 1,945,082; Jan. 30.
- Volatile constituents from crude soaps, Separation of. C. Beck, H. Weissbach, and H. Diekmann. 1,965,566; July 10.
- Volatile substances from their solvents, Separating dissolved. H. Specht. 1,977,923; Oct. 23.
- Volatiles from hydrocarbon substances, Process of and apparatus for the development of. L. J. Walsh. 1,955,264; Apr. 17.
- Voltage amplifier. H. G. Oestricher. 1,974,928; Sept. 25.
- Voltage amplifier and detector circuits. J. I. Cornell. 1,964,502; June 26.
- Voltage amplifying thermionic arrangement. O. Emersleben. 1,964,813; July 3.
- Voltage and current in an X-ray tube, Simplified means and method for simultaneously controlling the. M. Morrison. 1,965,249; July 3.
- Voltage balance in electrolytic condensers. R. D. Mershon. 1,948,864; Feb. 27.
- Voltage changes, Compensating for. W. S. Richhart. 1,953,773; Apr. 3.
- Voltage compensator. E. R. Wolfert. 1,963,186; June 19.
- Voltage control. H. C. Grant, Jr. 1,967,303; July 24.
- Voltage control in electrical power transmission circuits. L. F. Blume. 1,959,153; May 15.
- Voltage device, Constant. F. Michelsen. 1,949,617; Mar. 6.
- Voltage indicating means for transformers. K. Palueff. 1,956,400; Apr. 24.
- Voltage multiplier. A. Bouwers. 1,974,328; Sept. 18.
- Voltage, Producing an unsymmetrical alternating. O. Neiss. 1,968,346; July 31.
- Voltage protective system for electric feeders, Excess. S. Ruppel. 1,960,068; May 22.
- Voltage regulating apparatus. W. S. Werner. 1,967,108; July 17.
- Voltage regulating transformer. O. Löbl. 1,942,481; Jan. 9.
- Voltage regulation system. C. F. Cairns. 1,942,535; Jan. 9.
- Voltage regulator. G. B. Crouse and J. L. Jatlow. 1,952,974; Mar. 27.
- Voltage regulator. A. E. Doman. 1,957,393; May 1.
- Voltage regulator. L. A. Hyland. 1,943,320; Jan. 16.
- Voltage regulator. C. I. McNeil. 1,976,289; Oct. 9.
- Voltage regulator for alternators. E. R. Witzel. 1,961,185; June 5.
- Voltage-regulator for axle-generators. H. C. Krapf and J. O. Sherrard. 1,971,109; Aug. 21.
- Voltage regulator system, Automatic. P. E. Edelman. 1,961,746; June 5.
- Voltage supply system for vacuum tubes. W. L. and F. J. Kaehni. 1,951,614; Mar. 20.
- Voltage system, Constant. M. Osnos. 1,963,243; June 19.
- Voltage terminal construction and method of assembly. High. F. S. Smith. 1,957,983; May 8.
- Voltage terminal construction, High. F. S. Smith. 1,957,982; May 8.

- Voltage terminal construction, High. F. S. Smith. 1,957,984-6; May 8.
- Voltage transformation of currents of wide frequency range. System for. H. Nyquist. 1,959,494; May 22.
- Voltages in electric circuits, Reduction of disturbing. H. A. Rhodes. 1,985,353; Dec. 25.
- Volume control. J. H. Hammond, jr. 1,969,883; Aug. 14.
- Volume control. S. Tarzian. 1,978,514; Oct. 30.
- Volume control. E. E. Unger. 1,952,736; Mar. 27.
- Volume control, Automatic. R. Aubert. 1,978,184; Oct. 23.
- Volume control, Automatic. W. Runge. 1,978,552; Oct. 30.
- Volume control, Automatic. K. Wilhelm. 1,978,182; Oct. 23.
- Volume control device for radioreceiver. C. J. Caggiano. 1,968,742; July 31.
- Volume control for radio telegraphy, Automatic. W. Runge. 1,969,239; Aug. 7.
- Volume control for talking and/or sound picture equipment, Remote. J. L. Thornley. 1,970,064; Aug. 14.
- Volume control in radio sets, Obtaining automatic. L. F. Willging. 1,971,741; Aug. 28.
- Volume control method for radioreceivers. E. J. H. Busard. 1,978,008; Oct. 23.
- Volume control system. E. R. Hentschel. 1,950,144-5; Mar. 6.
- Volume control system. E. R. Hentschel. 1,958,998-9; May 15.
- Volume control system, Automatic. R. W. Miller. 1,967,125; July 17.
- Volume explosion chamber. H. Holzwarth. 1,969,753; Aug. 14.
- Volumetric efficiency, Apparatus for increasing. P. S. Tice. 1,957,919; May 8.
- Vortex control. S. H. Downs. 1,978,128; Oct. 23.
- Voting and counting machine. J. P. Harris. 1,947,157; Feb. 13.
- Voting machine. A. N. Gustavson. 1,948,660; Feb. 27.
- Voting machine. A. N. Gustavson. 1,948,661; Feb. 27.
- Voting machine. A. N. Gustavson. 1,984,185; Dec. 11.
- Voting machine. R. D. Unthoff. 1,975,992-4; Oct. 9.
- Vulcanization. L. G. Jenness. 1,941,691; Jan. 2.
- Vulcanization accelerator. E. Zaucker, L. Orthner, and M. Bögemann. Re19,286; Aug. 21.
- Vulcanization accelerator. E. Zaucker, M. Bogeman, and L. Orthner. 1,942,790; Jan. 9.
- Vulcanization accelerator and preparing the same. H. M. Bunbury, J. S. H. Davies, W. J. S. Naunton, and R. Robinson. 1,972,918; Sept. 11.
- Vulcanizer. H. Haiss. 1,969,217; Aug. 7.
- Vulcanizer. P. De Mattia. 1,977,119; Oct. 16.
- Vulcanizer. A. C. Rhoades. 1,975,665; Oct. 2.
- Vulcanizer. F. J. Shook. 1,984,768; Dec. 18.
- Vulcanizer, Continuous. A. L. Wallace. 1,949,226; Feb. 27.
- Vulcanizer, Continuous. A. L. Wallace. 1,977,563; Oct. 16.
- Vulcanizer, Portable repair. H. H. Hanson. 1,970,698; Aug. 21.
- Vulcanizing a molded strip, Apparatus for. C. E. Siegfried. 1,948,011; Feb. 20.
- Vulcanizing apparatus. H. H. Chassagne. 1,952,421; Mar. 27.
- Vulcanizing apparatus. C. J. Randall. 1,981,194; Nov. 20.
- Vulcanizing machine. G. H. Wheatley. 1,943,101; Jan. 9.
- Vulcanizing press. R. De Mattia. 1,947,335; Feb. 13.
- Vulcanizing press. H. E. Morse. 1,981,628; Nov. 20.
- Wader pad. J. D. Frazee. 1,982,510; Nov. 27.
- Waffle iron. A. S. Knapp. 1,968,404; July 31.
- Waffle iron grid. P. A. Errick. Des. 93,917; Nov. 27.
- Waffle iron or the like. A. W. Wharton. 1,978,872; Oct. 30.
- Wagon and gate fastener. D. S. Shepard. 1,942,732; Jan. 9.
- Wagon bolster. D. W. Voorhees, jr. 1,956,884; May 1.
- Wagon, Coaster. A. E. Carter. 1,946,422; Feb. 6.
- Wagon, Coaster. A. E. Carter. 1,959,229; May 15.
- Wagon, Coaster. J. B. Eck. Des. 91,862; Apr. 3.
- Wagon, Coaster. A. Pasin. Des. 91,540; Feb. 20.
- Wagon, Coaster. J. G. Rideout. Des. 93,674; Oct. 23.
- Wagon, Confection. A. H. Henry. Des. 94,028; Dec. 11.
- Wagon construction. D. W. Voorhees, jr. 1,973,938; Sept. 18.
- Wagon, Delivery. W. Ehrlich. 1,970,955; Aug. 21.
- Wagon, Dump. A. P. and G. E. Armington. 1,974,229; Sept. 18.
- Wagon, Dump. J. D. Benbow and J. B. Green. 1,983,433; Dec. 4.
- Wagon, Dump. A. A. and R. F. Lenhart. 1,951,058; Mar. 13.
- Wagon, Dump. R. G. Le Tourneau. 1,969,933; Aug. 14.
- Wagon hitch. W. J. Coultas. 1,945,732; Feb. 6.
- Wagon hitch. C. J. Frederiksen. 1,980,046; Nov. 6.
- Wagon underframe. R. R. Cease. 1,948,256; Feb. 20.
- Waist and attaching means therefor. E. G. Sonnet. 1,966,398; July 10.
- Waistband, Adjustable. B. Mainzer. 1,965,315; July 3.
- Waistcoat. R. Hirschfeld. Des. 92,536; June 19.
- Walker, Combination and convertible baby. A. J. Rechlicz. 1,981,285; Nov. 20.
- Walker, Invalid. E. C. Skinner. 1,971,583; Aug. 28.
- Wall. C. R. Baldwin. 1,945,474; Jan. 30.
- Wall. H. M. Knight. 1,974,427; Sept. 25.
- Wall and ceiling construction. L. C. Piazza. 1,945,564; Feb. 6.
- Wall and ceiling structure and forming same. W. J. Davey. 1,960,372; May 29.
- Wall and erecting it, Sectional. G. D. Morrison. 1,943,800; Jan. 16.
- Wall and partition. A. Lousa. 1,960,160; May 22.
- Wall and water proofing means therefor, Brick. A. L. Larson. 1,970,326; Aug. 14.
- Wall board. N. A. Brand. 1,983,532; Dec. 11.
- Wall board. J. Dean. 1,978,625; Oct. 30.
- Wall board. A. H. Harrison. 1,980,681; Nov. 13.
- Wall board. C. A. Walker and L. D. Booth. 1,970,989; Aug. 21.
- Wall board into bundles, Apparatus for forming. C. R. Birdsey. 1,946,056; Feb. 6.
- Wall board joint. D. McChesney. 1,942,392; Jan. 2.
- Wall board jointer. H. B. Ehle. 1,967,748; July 24.
- Wall board manufacture, Continuous process of. R. B. Respass and N. A. Robbins. 1,951,167; Mar. 13.
- Wall bracket. R. G. Cowan. Des. 91,860; Apr. 3.
- Wall bracket lamp. E. Kanter. Des. 92,004-6; Apr. 17.
- Wall bracket lamp. E. Kanter. Des. 92,606; June 26.
- Wall bracket lamp. E. Kanter. Des. 93,925-7; Nov. 27.
- Wall broaching, Apparatus for thin. W. F. Klein. 1,958,705; May 15.
- Wall, Building. J. Bacigalupo. 1,961,838; June 5.
- Wall cabinet and clock. J. A. Hoegger. 1,973,871; Sept. 18.
- Wall, Cellular retaining. G. E. Nagel. 1,953,005; Mar. 27.
- Wall cleaner. J. R. Raney. 1,973,779; Sept. 18.
- Wall construction. F. M. Boyland. 1,943,285; Jan. 16.
- Wall construction. G. P. Cryslar. 1,957,820; May 8.
- Wall construction. W. D. Dreiske. 1,955,706; Apr. 17.
- Wall construction. G. H. Ellis. 1,981,314; Nov. 20.
- Wall construction. H. Holdsworth. 1,982,104; Nov. 27.
- Wall construction. E. W. Leshner. 1,964,473; June 26.
- Wall construction. G. F. McKenney. 1,962,568; June 12.
- Wall construction. W. M. McNeil. 1,981,240; Nov. 20.
- Wall construction. D. S. Miller. 1,959,135; May 15.
- Wall construction. L. C. Piazza. 1,976,577; Oct. 9.
- Wall construction. C. W. Utzman. 1,967,846; July 24.
- Wall construction, Insulated and waterproof masonry. W. L. Rau. 1,959,176; May 15.
- Wall construction, Tile. H. L. Wheeler. 1,968,728; July 31.
- Wall covering. G. P. Jordan. 1,975,324; Oct. 2.
- Wall covering. H. R. B. Meyers. 1,971,654; Aug. 28.
- Wall covering. K. C. Miller and H. B. Little. 1,980,347; Nov. 13.
- Wall covering and making same. H. F. Hoevel. 1,960,440; May 29.
- Wall, Fire. M. Liptak. 1,966,674; July 17.
- Wall fixture. R. T. Parker. 1,970,473; Aug. 14.
- Wall for boilers, Water cooled. P. Badenhausen. 1,953,149; Apr. 3.
- Wall for refrigerator cars, End. W. P. Murphy. 1,979,009; Oct. 30.
- Wall, Heat-insulating. F. Förster and R. Kraftt. 1,965,636; July 10.
- Wall mounting for vending machines. H. S. Benjamin. 1,959,809; May 22.
- Wall or ceiling construction. K. Macleod. 1,984,028; Dec. 11.
- Wall panel and producing the same. H. E. Pfaff, L. R. Shaffer, and A. Metherell. 1,976,190; Oct. 9.
- Wall paper trimming and pasting machine. C. Scherer. 1,985,522; Dec. 25.
- Wallpaper, Washable. L. C. Fleck. 1,955,626; Apr. 17.
- Wall papers from peeled wood veneers, Producing. H. A. Hellmers. 1,945,686; Feb. 6.
- Wall papers, Manufacturing. J. Behrens. 1,983,690; Dec. 11.
- Wall plug. J. J. Rawlings. 1,942,256; Jan. 2.
- Wall register and grille support. J. A. Germonprez. 1,952,707; Mar. 27.
- Wall, Sea. C. Weber. 1,971,324; Aug. 21.
- Wall, Sectionally supported air-cooled. S. H. Lanyon. 1,969,892; Aug. 14.
- Wall structure. E. L. Benedict. 1,945,991; Feb. 6.
- Wall structure. C. S. Brown. 1,970,414; Aug. 14.
- Wall structure. C. T. Carlson. 1,972,729; Sept. 4.
- Wall structure. W. Kleitz. 1,951,421; Mar. 20.
- Wall structure. E. Leemann. 1,952,380; Mar. 27.
- Wall structure. C. K. Roos. 1,967,905; July 24.
- Wall structure. J. E. D. Sayler. 1,959,766; May 22.
- Wall structure. W. R. Simons. 1,973,912; Sept. 18.
- Wall structure and building unit. C. T. Cahill. 1,950,397; Mar. 13.
- Wall structure and liner therefor. J. H. Plunkett. 1,972,951; Sept. 11.
- Wall structure, Metallic. E. F. Hauserman, L. D. Mowery, and J. A. Bohnsack. 1,946,210; Feb. 6.
- Wall structure, Sheet-metal-piling. W. G. Caples. 1,947,151; Feb. 13.
- Wall vanity. L. Guild. Des. 91,819; Mar. 27.
- Wall veneer. W. N. Krauss. 1,976,947; Oct. 16.
- Walls and ceilings, Apparatus for suspending insulating. A. B. Koerner. 1,974,819; Sept. 25.
- Walls, Apparatus for building. N. Garrett. 1,963,978; June 26.
- Walls, Apparatus for constructing sea. J. B. Brockhurst. 1,959,812; May 22.
- Walls, Construction of insulated. R. R. Graves. 1,944,079; Jan. 16.

- Walls, Making flexible corrugated tubular metal. W. M. Fulton. 1,970,650; Aug. 21.
- Walls of mudded bore-holes, Cleaning the. J. W. Weir, H. S. Montgomery, and A. W. Knight. 1,984,668; Dec. 18.
- Walls of tunnels, shafts, and the like, Building and reinforcing the. M. McAlpine. 1,969,811; Aug. 14.
- Walls, Sealing building. O. V. McCrew. 1,943,686; Jan. 16.
- Walls, System for the construction of. A. E. Romero. 1,965,819; July 3.
- Wallets, files and portfolios, Making expanding. O. J. Olm. 1,968,165; July 31.
- Walnut bleaching. C. T. Henderson. 1,965,701; July 10.
- Wardrobe. E. H. Ellison. 1,977,474; Oct. 16.
- Wardrobe. J. F. Winn, jr. 1,970,028; Aug. 14.
- Wardrobe case. H. P. Danielson. 1,960,480; May 29.
- Wardrobe case. J. Ritter, jr. 1,949,626; Mar. 6.
- Wardrobe case. J. Ritter, jr. 1,960,454; May 29.
- Wardrobe, Collapsible. A. Stone. 1,943,044; Jan. 9.
- Wardrobe, Collapsible. A. Stone. 1,947,955; Feb. 20.
- Wardrobe. Dual control. J. F. Winn, jr. 1,974,670; Sept. 25.
- Wardrobe, Multiple door. A. L. Leonard. 1,952,874; Mar. 27.
- Wardrobe or locker. F. Albach. 1,944,913; Jan. 30.
- Wardrobe, Schoolroom. E. H. Ellison. 1,956,277; Apr. 24.
- Wardrobe suitcase. A. Fiss. 1,947,838; Feb. 20.
- Ware transferring apparatus. W. J. Miller. 1,943,483; Jan. 16.
- Warm air furnace. H. A. Bertossa. 1,944,488; Jan. 23.
- Warm air furnace. J. O. Keefe. 1,964,881; July 3.
- Warmer for nursing bottles. A. H. Reese. 1,979,666; Nov. 6.
- Warmer or article of analogous nature, Food. W. von Nessen. Des. 93,901; Nov. 20.
- Warmer, Windshield. W. Gottlieb. 1,958,851; May 15.
- Warning signal. O. Hittshew. 1,952,804; Mar. 27.
- Warning signal. T. J. Scofield, A. C. Gregoroff, F. W. Billig, and W. Sparks. 1,980,296; Nov. 13.
- Warp beam. S. M. Fulton and W. B. McVeigh. 1,981,142; Nov. 20.
- Warp beam for winding and dyeing warp, Sectional. R. R. Hall. 1,962,240; June 12.
- Warp drier. A. O. and F. E. Huxthal. 1,984,270; Dec. 11.
- Warp knitting machine. M. G. Van Arsdale and L. W. Griffiths. 1,972,609; Sept. 4.
- Warp pile fabric. R. Lorthiois. 1,982,171; Nov. 27.
- Warp, Preparing. A. Bruenn. 1,948,646; Feb. 27.
- Warp sizing machine. C. B. Johnson. 1,966,097; July 10.
- Warp-stop mechanism for textile apparatus and machinery. S. A. Welch, A. F. Guyler, and W. H. Boaler. 1,970,264; Aug. 14.
- Warp stop motion. J. J. Kaufmann. 1,947,992; Feb. 20.
- Warp stop motion. J. J. Kaufmann. 1,949,747; Mar. 6.
- Warp strand guide for weaving machines. R. M. Christensen. 1,955,905; Apr. 24.
- Warp switch. F. S. Denison. 1,958,081; May 8.
- Warp tension equalizer. T. C. Demers. 1,951,967; Mar. 20.
- Warping apparatus. J. E. Fite. 1,982,507; Nov. 27.
- Warps for figuring fabrics, Device for controlling the. R. Rossman. 1,945,997; Feb. 6.
- Washboard. C. T. Gilbert. 1,979,258; Nov. 6.
- Washboard. E. D. Misner. 1,966,512; July 17.
- Washboard. C. G. Strandlund, jr., and A. Griffiths. 1,949,499; Mar. 6.
- Washboard. J. F. Whitfield and J. H. Rimmer. 1,983,424; Dec. 4.
- Washboard attachment for bathtubs. G. C. Pumphrey. 1,970,898; Aug. 21.
- Wash pipe. L. C. Tilbury. 1,951,455; Mar. 20.
- Washing or pad. E. Mar. 1,968,696; July 31.
- Washstand, Folding camp. R. R. Rice. 1,956,696; May 1.
- Washtubs, Attachment for. J. F. Brennan. 1,983,788; Dec. 11.
- Washer; See—
- Beater washer. Lock washer.
- Bottle filler washer. Milk bottle washer.
- Bottle washer. Nut lock washer.
- Car washer. Ore washer.
- Coal washer. Sand washer.
- Glass and tumbler washer. Vehicle top washer.
- Golf ball washer. Window washer.
- Washer. F. W. Cutler. 1,944,876; Jan. 30.
- Washer. F. H. Lewis. 1,959,921; May 22.
- Washer and method of making, Lock. C. G. Olson. Re19,116; Mar. 13.
- Washer cutting machine, Auto felt. J. Horhorouny. 1,966,962; July 17.
- Washer display gauge. A. V. Barwood. 1,950,469; Mar. 13.
- Washer distributing mechanism. A. M. Scholz. 1,953,778; Apr. 3.
- Washer drain board. T. J. Power. 1,959,546; May 22.
- Washer for water faucets, Floating. J. Erisman. 1,953,675; Apr. 3.
- Washers, Making lock. W. G. Wilson. 1,963,573; June 19.
- Washing and cleaning apparatus for mash and strainer tubs. A. R. Keller. 1,983,232; Dec. 4.
- Washing and cooling machine for celery and like articles. N. H. Gay. 1,960,104; May 22.
- Washing and drying machine. R. A. Hitchcock. 1,971,979; Aug. 28.
- Washing and drying machine, Combined. A. E. Hanbury, F. W. Juengst, and O. M. Anderson. 1,968,681; July 31.
- Washing and wringing machine. T. W. Behan. 1,950,217; Mar. 6.
- Washing apparatus. P. E. Barker. 1,955,403; Apr. 17.
- Washing apparatus. J. J. Mojonner. 1,946,805; Feb. 13.
- Washing, cleaning, emulsifying, and wetting-out agent. W. Schrauth. 1,957,674; May 8.
- Washing composition. P. S. Denning. 1,943,519; Jan. 16.
- Washing-fluid. L. Longo. 1,960,500; May 29.
- Washing fluids and recovering volatile solvents, Cleaning. A. Agronofsky. 1,977,107; Oct. 16.
- Washing machine. D. W. Allman. 1,979,361; Nov. 6.
- Washing machine. G. P. Aanstess. 1,944,679; Jan. 23.
- Washing machine. E. E. Barker. 1,963,520; June 19.
- Washing machine. T. W. Behan. 1,949,235; Feb. 27.
- Washing machine. A. F. Bergquist. 1,933,836; Dec. 11.
- Washing machine. T. E. D. Bilde and S. G. A. Fagerberg. 1,979,062; Oct. 30.
- Washing machine. C. Caise. 1,961,548; June 5.
- Washing machine. C. B. Cassity. 1,979,673; Nov. 6.
- Washing machine. C. K. Cimarik and L. Zimarik. 1,945,477; Jan. 30.
- Washing machine. H. W. Covert. 1,948,957; Feb. 27.
- Washing machine. E. Davis. 1,982,499; Nov. 27.
- Washing machine. T. M. Elfving. 1,946,277-8; Feb. 6.
- Washing machine. E. Faber. 1,961,287; June 5.
- Washing machine. B. E. Getz. 1,965,183; July 3.
- Washing machine. R. A. Hitchcock. 1,971,980; Aug. 28.
- Washing machine. H. L. Johnston. 1,980,064-5; Nov. 6.
- Washing machine. J. B. Kirby. 1,950,732; Mar. 13.
- Washing machine. J. B. Kirby. 1,969,176; Aug. 7.
- Washing machine. L. G. Knapp. 1,946,535; Feb. 13.
- Washing machine. F. E. Krauss. 1,964,520; June 26.
- Washing machine. G. Kuhn and V. Grodsky. 1,981,456; Nov. 20.
- Washing machine. A. B. Miller. 1,941,706; Jan. 2.
- Washing machine. W. H. C. Oelmann. 1,966,213; July 10.
- Washing machine. R. F. Pendleton. 1,970,184; Aug. 14.
- Washing machine. J. E. Poinston. 1,945,442; Jan. 30.
- Washing machine. C. Ries. 1,950,630; Mar. 13.
- Washing machine. J. I. Russakov. 1,945,234; Jan. 30.
- Washing machine. H. T. Rutherford. 1,945,444; Jan. 30.
- Washing machine. H. F. Snyder. 1,973,230; Sept. 11.
- Washing machine. R. J. Waterworth and R. J. O'Connor. 1,957,055; May 1.
- Washing machine agitator. J. J. McCabe. 1,978,113; Oct. 23.
- Washing machine and drive therefor. F. T. Johnson. 1,969,649; Aug. 7.
- Washing machine and wringer, Combined. J. L. Perkins. Des. 93,045; Aug. 14.
- Washing machine, Auto top. O. M. Kiggins. 1,942,653; Jan. 9.
- Washing machine differential drive unit. H. H. Harlan. 1,947,985; Feb. 20.
- Washing machine for artificial silk. K. Johann. 1,961,074; May 29.
- Washing machine for milk cans. J. P. McKinley. 1,945,059; Jan. 30.
- Washing machine for spinning cakes. K. Meyer-Gaus. 1,964,527; June 26.
- Washing machine, Multitub. C. A. M. Weber. Des. 93,428; Sept. 25.
- Washing machines, Tumbling barrel for. C. L. Wilkins. 1,943,709; Jan. 16.
- Washing station. C. M. Robyans and C. G. Brown. 1,975,479; Oct. 2.
- Waste apparatus. H. S. Steen. 1,984,950; Dec. 18.
- Waste disposal. A. Wright. 1,980,244; Nov. 13.
- Waste heat boiler. A. C. Weigel, C. V. McIntire, and C. R. Bowman. 1,973,968; Sept. 18.
- Waste receiver for cylinder finishing machines. C. O. Hane. 1,965,076; July 3.
- Waste receptacle. S. Hammer. 1,964,513; June 26.
- Waste residues, Treating. I. Dubinbaum and L. R. Christie. 1,971,479; Aug. 28.
- Waste trap. A. Gordon. 1,959,623; May 22.
- Watch. J. Fink. 1,976,064; Oct. 9.
- Watch. J. R. Graef. Des. 93,390; Sept. 25.
- Watch. R. Sheldon. Des. 91,443; Jan. 30.
- Watchcase. J. Farber. 1,968,444; July 31.
- Watchcase. E. S. Ireland. 1,981,047; Nov. 20.
- Watchcase. J. C. Keller. 1,972,522; Sept. 4.
- Watchcase. S. J. Mittelman and A. Kraus. 1,979,338; Nov. 6.
- Watch clip. M. Boucher. 1,952,307; Mar. 27.
- Watch clip. M. Boucher. 1,965,095; July 3.
- Watch, Combination wrist. H. A. Kehl. 1,954,249; Apr. 10.
- Watch, Combination wrist. H. A. Kehl. 1,980,207; Nov. 13.
- Watch control mechanism, Stop. W. J. Borst. 1,951,391; Mar. 20.
- Watch package, Strap. B. I. Downs and D. S. Ingraham. 1,966,662; July 17.
- Watch, Self-winding wristlet. J. Farret. 1,963,976; June 26.
- Watch stem and crown setting. H. Gislinger. 1,948,171; Feb. 20.
- Watches, clocks, and any other kind of timepiece, Automatic rating of. W. Kaufmann. 1,958,825; May 15.
- Water and air, Method and apparatus for cooling. A. S. Richardson. 1,962,572; June 12.

- Water and water-treating and storage apparatus, Softening. B. S. Snow. 1,970,203; Aug. 14.
- Water, Apparatus for heating. A. Töreký. 1,957,741; May 8.
- Water ballet devices, Disappearing. L. M. and K. B. Warfield. 1,963,815; June 19.
- Water bed. C. A. Ewald. 1,943,888; Jan. 16.
- Water boiler. A. J. Hanlon. 1,984,017; Dec. 11.
- Water, Chlorinating. E. D. Ruth. 1,943,487; Jan. 16.
- Water circulating pump. G. A. Visser. 1,969,996; Aug. 14.
- Water circulation control device. E. B. Tidd. 1,952,475; Mar. 27.
- Water circulator and feed water heating unit for boilers, Combination. E. H. Waldrop and G. M. Petty. 1,984,608; Dec. 18.
- Water closet. J. C. Duner. 1,948,101; Feb. 20.
- Water closet. J. C. Duner. 1,949,246; Feb. 27.
- Water closet. F. C. Kruse. 1,973,349; Sept. 11.
- Water closet. C. F. Mink. Des. 91,467; Feb. 6.
- Water closet. J. M. Teahen. Des. 92,215; May 8.
- Water closet construction. J. N. Murphy. 1,967,680; July 24.
- Water conditioner and process, Rinse. J. F. Littooy. 1,975,962; Oct. 9.
- Water control system, Feed. C. H. Smoot. 1,964,773; July 3.
- Water cooler. L. L. Austin. 1,942,741-2; Jan. 9.
- Water cooler. H. E. Blood and O. A. Brandel. 1,948,644; Feb. 27.
- Water cooler. H. E. Cullen and H. O. Ronning. 1,976,007; Oct. 9.
- Water cooler. C. A. Frick. Des. 92,892; July 31.
- Water cooler. C. Frick. Des. 92,893; July 31.
- Water cooler. E. F. Hawkins. 1,981,730; Nov. 20.
- Water-cooler. G. W. Mason. 1,953,420; Apr. 3.
- Water cooler. H. B. Rock. 1,960,714; May 29.
- Water cooler. H. B. Rock. 1,973,392; Sept. 11.
- Water cooler. C. Steenstrup. 1,985,064; Dec. 18.
- Water cooler. J. A. Warren. 1,963,570; June 19.
- Water cooling apparatus. F. R. Erbach. 1,972,079; Sept. 4.
- Water-cycle aquolization. C. Ellis. 1,956,567; May 1.
- Water deconcentration system, Automatic boiler. T. B. Allardice and T. G. Coghlan. 1,942,467; Jan. 9.
- Water distributor. W. H. Gard. 1,985,565; Dec. 25.
- Water filter. R. G. Camp. Des. 93,910; Nov. 27.
- Waterfoil. O. G. Tietjens. 1,976,046; Oct. 9.
- Water front and grate, Combination. J. S. Parsons. 1,962,105; June 5.
- Water-gas generator. A. Noack. 1,951,990; Mar. 20.
- Water gas jet, Operating a. D. J. Young. 1,974,526; Sept. 25.
- Water gas, Manufacturing carbureted. G. J. Nordmeyer. 1,949,728; Mar. 6.
- Water gas production. W. V. Duke. 1,949,563; Mar. 6.
- Water gate. J. Dorazio. 1,978,853; Oct. 30.
- Water gauge. A. L. Aicher. 1,954,466; Apr. 10.
- Water gauge. L. Richardson. 1,952,285; Mar. 27.
- Water gauge protector. A. R. Ayers and D. R. MacBain. 1,965,820; July 10.
- Water heat economizer, Waste. J. F. Turner. 1,955,477; Apr. 17.
- Water heater. J. R. Ackerman. 1,965,208; July 3.
- Water heater. H. H. Christensen. 1,953,213; Apr. 3.
- Water heater. E. C. Crowley. Des. 92,947; Aug. 7.
- Water heater. W. F. Fickett. 1,963,960; June 26.
- Water heater. W. S. Finken. 1,984,791; Dec. 18.
- Water heater. W. G. Hanna. 1,983,170; Dec. 4.
- Water heater. W. H. Holby. 1,975,101; Oct. 2.
- Water heater. T. H. Ireland. 1,962,773; June 12.
- Water heater. E. Kennedy. 1,944,894; Jan. 30.
- Water heater. R. I. McNaughton. 1,963,442; June 19.
- Water heater. L. F. Morgan. 1,980,424-5; Nov. 13.
- Water heater. H. Olin. 1,948,731; Feb. 27.
- Water heater. O. W. Ott and A. J. Smithers. Des. 19,363; Nov. 6.
- Water heater. L. Richardson. 1,954,829; Apr. 17.
- Water heater. J. E. Russell. 1,957,615; May 8.
- Water heater. E. L. Schellens. 1,953,834; Apr. 3.
- Water heater. W. S. Thomas. 1,944,817; Jan. 23.
- Water heater. E. Wensler. 1,964,306; June 26.
- Water heater, Automatic indirect heated storage. F. W. Harris. 1,971,139; Aug. 21.
- Water heater, Circulating. R. L. Stith. 1,983,199; Dec. 4.
- Water heater, Domestic. A. Russo. 1,948,735; Feb. 27.
- Water heater, Electric. I. Targman. 1,967,011; July 17.
- Water heater, Electric beverage. L. B. Green. 1,984,129; Dec. 11.
- Water heater, Feed. J. M. Shimer. 1,964,710; June 26.
- Water heater, Instantaneous electric. L. Ludwig. 1,957,070; May 1.
- Water heater, Sectional. A. C. Strand. 1,967,136; July 17.
- Water heater, Solar. H. A. Wheeler. 1,971,242; Aug. 21.
- Water heater, Submersion. E. Branam. 1,956,915; May 1.
- Water heating and circulating device. A. A. Weinberg. 1,964,838; July 3.
- Water heating and deaeration. G. H. Gibson and V. A. Rohlin. 1,951,015; Mar. 13.
- Water heating and infusion apparatus. A. Valls. 1,981,402; Nov. 20.
- Water heating apparatus. O. Swanson. 1,956,735; May 1.
- Water heating apparatus, Electric. E. S. Peterson. 1,978,690; Oct. 30.
- Water heating apparatus, Hot. G. M. Maier. 1,961,231; June 5.
- Water heating device. J. W. Ingison. 1,963,367; June 19.
- Water heating system. J. S. Simsohn. 1,959,933; May 22.
- Water heating system, Direct-indirect. H. Del Mar. 1,943,373; Jan. 16.
- Water indicator. F. K. Murphy, R. W. Retterer, and F. K. Mitchell. 1,946,175; Feb. 6.
- Water lubrication system for deep well turbine pumps. R. E. Swanson. 1,953,447; Apr. 3.
- Water measuring and supplying device for mixers. H. E. McCrery. 1,967,097; July 17.
- Water meter. G. B. Bassett. 1,941,649; Jan. 2.
- Water meter. W. H. Larabee. 1,972,526; Sept. 4.
- Water meter. T. J. Yates. 1,958,223; May 8.
- Water meter yoke. M. F. Smith and E. M. Reedy. 1,969,432; Aug. 7.
- Water, Method of and apparatus for carbonating. G. J. Huntley and R. J. Stewart. 1,972,994; Sept. 11.
- Water, Method of and apparatus for heating and deaerating. M. S. Gerend. 1,966,796; July 17.
- Water mixer. J. W. Myers and E. E. Murray. 1,948,044; Feb. 20.
- Water motor. R. Star. 1,973,670; Sept. 11.
- Water of crystallization from crystals and/or solids, Removing. W. V. N. Powelson. 1,948,313; Feb. 20.
- Water pipe. E. Hartzes. 1,967,438; July 24.
- Water power engine. M. Reiffenstein. 1,955,683; Apr. 17.
- Water, Process and apparatus for reducing the hardness of. A. T. Krogh-Lund. 1,984,219; Dec. 11.
- Water, Process relating to the production of distilled. W. L. and H. L. McLaughlin, and V. Ballou. 1,972,350; Sept. 4.
- Waterproof case. L. L. Jones. 1,966,123; July 10.
- Waterproof composition and making same, Inflexible. F. W. Yeager. 1,949,229; Feb. 27.
- Waterproof composition and producing same. L. Kirschbraun. 1,959,586; May 22.
- Waterproof coverings, Laying. D. C. Cale. 1,968,281; July 31.
- Waterproof materials, Production of. G. H. Ellis. 1,963,975; June 26.
- Waterproof membrane. E. M. Tucker. 1,958,871; May 15.
- Waterproof sheet material. E. H. Angier. 1,984,910; Dec. 18.
- Waterproof and bond for concrete. R. W. Bowman. 1,950,444; Mar. 13.
- Waterproofing and fire-retarding composition. C. F. Booth. 1,975,072; Oct. 2.
- Waterproofing and tanning composition and method of preparation. F. Bierdolt. 1,969,701; Aug. 7.
- Waterproofing composition. J. F. and V. P. Florich. 1,963,895; June 19.
- Waterproofing composition. W. L. Holter. 1,960,209; May 22.
- Waterproofing compound and paint vehicles. W. Kuckro. 1,965,042; July 3.
- Waterproofing fibrous and other material. J. A. DeCew. 1,965,630; July 10.
- Waterproofing solution for glue. C. O. Marvin. 1,965,778; July 10.
- Waterproofing solution for stuccoed surfaces. W. B. Houston. 1,942,601; Jan. 9.
- Water protection device. R. B. Zuber. 1,963,539; June 19.
- Water purification. A. S. Behrman. 1,966,279; July 10.
- Water purification. R. A. Stevenson. 1,946,818; Feb. 13.
- Water purification. O. M. Urbain. 1,947,747; Feb. 20.
- Water purification. O. M. Urbain. 1,968,724; July 31.
- Water purification and supply system. R. B. Watson. 1,985,435; Dec. 25.
- Water, Purifying. H. A. Reimers. 1,966,733; July 17.
- Water regulator. F. L. Badgett. 1,942,635; Jan. 9.
- Water return vapor regulator. E. A. Russell and J. Van Vublen. 1,951,630; Mar. 20.
- Water screen, Endless traveling. L. G. Bleyer. 1,963,460; June 19.
- Water-sealed receptacle. C. H. Lasker. 1,948,820; Feb. 27.
- Water shed plate for clothes wringers. W. J. La Casse. 1,957,603; May 8.
- Water silencer. P. P. Finn. 1,976,442; Oct. 9.
- Water softener. C. T. McGill. 1,962,663; June 12.
- Water softener. L. D. Waldron. 1,976,906; Oct. 16.
- Water softener. H. R. Yates. 1,975,308; Oct. 2.
- Water softener. R. E. Zinn. 1,979,926; Nov. 6.
- Water softener or filter. F. Leslie. 1,951,917; Mar. 20.
- Water softener, Portable. R. L. Gilles. 1,985,162; Dec. 18.
- Water softener, Portable. A. C. Zimmerman. 1,958,176; May 8.
- Water, Softening. G. Hedrich. 1,978,629; Oct. 30.
- Water softening and washing. R. E. Hall. 1,956,515; Apr. 24.
- Water softening apparatus. S. B. Applebaum. 1,980,161; Nov. 13.
- Water softening apparatus. A. J. Dotterweilch. 1,942,807; Jan. 9.
- Water softening apparatus. A. J. Dotterweilch. 1,942,808; Jan. 9.

- Water softening apparatus. A. J. Dotterweich. 1,949,044; Feb. 27.
- Water-softening apparatus. A. J. Dotterweich. 1,954,405; Apr. 10.
- Water softening apparatus. A. J. Dotterweich. 1,954,406; Apr. 10.
- Water softening apparatus. A. J. Dotterweich. 1,976,439; Oct. 9.
- Water softening apparatus. H. M. Marsh. 1,982,961; Dec. 4.
- Water softening apparatus. M. Shetler. 1,964,302; June 26.
- Water softening apparatus. E. T. Turner. 1,955,693-4; Apr. 17.
- Water softening composition and method. L. A. Lux. 1,969,983; Aug. 14.
- Water softening compound. O. L. Bell. 1,952,408; Mar. 27.
- Water-soluble substances having capillary-active properties and the product. Producing. L. Becker and R. Müller. 1,950,287; Mar. 6.
- Water sport device. W. M. Marsh. 1,953,359; Apr. 3.
- Water sprinkler. H. M. Barnhart. 1,969,718; Aug. 14.
- Water. Sterilizing. J. C. Baker and F. C. Schmelkes. 1,943,650; Jan. 16.
- Water supply regulator for humidifiers. J. L. Skuttle. 1,952,000; Mar. 20.
- Water supply shut-off. C. W. Dixon. 1,968,517; July 31.
- Water supply system. Hot. F. F. Glenn. 1,969,460; Aug. 7.
- Water supplying apparatus for concrete mixers. J. Eggert. 1,967,991; July 24.
- Water system. W. B. Baldwin. 1,981,160; Nov. 20.
- Water system. Hot. J. T. Barrow. 1,958,736; May 15.
- Water system. Pneumatic. G. L. Thom. 1,941,766; Jan. 2.
- Water temperature controlling fountain. J. Carpita. 1,952,364; Mar. 27.
- Water temperature regulator. Hot. E. A. Russell, P. B. Parks, and W. M. Smith. 1,962,214; June 12.
- Water tight bag. D. Johanneson. 1,942,246; Jan. 2.
- Water to boilers. Feeding. G. D. Bradshaw. 1,962,131; June 12.
- Water to boilers. Feeding. R. M. Ostermann and S. A. Sheridan. 1,957,553; May 8.
- Water to concrete mixers. Apparatus for supplying. C. F. Ball. 1,949,364; Feb. 27.
- Water transport for automobiles and the like. G. H. Sturgell. 1,943,564; Jan. 16.
- Water treating and storage apparatus. B. S. Snow. 1,970,201-2; Aug. 14.
- Water treating apparatus. O. H. Price. 1,962,096; June 5.
- Water treatment. G. OrNSTein. 1,944,803; Jan. 23.
- Water. Treatment of steam-boiler feed. R. E. Hall. 1,965,339; July 3.
- Water tube boiler. W. S. and C. F. H. Almy. 1,972,003; Aug. 28.
- Water tube boiler. I. Harter. 1,966,388; July 10.
- Water tube boiler. I. Harter. 1,971,039; Aug. 21.
- Water tube boiler. W. A. Jones. 1,981,865; Nov. 27.
- Water tube boiler. G. Summers. 1,983,886; Dec. 11.
- Water tube boiler. F. Wempe. 1,972,504; Sept. 4.
- Water vapors contained in compressed gases or gas mixtures to be liquefied. Freezing out of. A. Messer. 1,949,618; Mar. 6.
- Waterer, Automatic. L. A. Smith. 1,961,092; May 29.
- Waterer, Automatic nonfreezable live stock. H. C. Moorman. 1,977,346; Oct. 16.
- Waterer, Heated stock. A. P. Larsen. 1,979,749; Nov. 6.
- Waters. Purification of organically polluted. O. M. Urbain. 1,967,916; July 24.
- Wave analysis. T. G. Castner. 1,976,481; Oct. 9.
- Wave detection and transmission apparatus. Multiple. J. E. Parker. Re19,266; Aug. 7.
- Wave filter. W. P. Mason. 1,967,250; July 24.
- Wave meter. E. F. Lewis. 1,944,564; Jan. 23.
- Wave modulation. High frequency. M. von Ardenne. 1,982,771; Dec. 4.
- Wave motor. J. P. Arner. 1,953,285; Apr. 3.
- Wave motor. P. J. Young. 1,962,047; June 5.
- Wave power plant. A. W. Du Pont. 1,960,622; May 29.
- Wave presser. N. L. Solomon. 1,985,431; Dec. 25.
- Wave protector. Permanent. S. D. Weinberger. 1,949,096; Feb. 27.
- Wave receiver. Combined long and short. H. O. Roosenstein. 1,981,374; Nov. 20.
- Wave repeating system. R. P. Wuerfel. 1,975,441; Oct. 2.
- Wave repeating system and apparatus. P. M. Haffcke. 1,984,476; Dec. 18.
- Wave signaling system. W. A. MacDonald. 1,961,154; June 5.
- Wave signaling system. High frequency. F. Rieber. 1,969,037; Aug. 7.
- Wave system. Ultraviolet. H. E. Hollmann. 1,978,021; Oct. 23.
- Wave translating system. K. C. Black. 1,952,579; Mar. 27.
- Wave translating system. E. Peterson. 1,955,827-8; Apr. 24.
- Wave transmission network. C. E. Lane. 1,985,042; Dec. 18.
- Wave transmission network. E. L. Norton. 1,954,943; Apr. 17.
- Wave transmission network. O. J. Zobel. 1,977,751; Oct. 23.
- Wave transmission system. J. G. Aceves. 1,953,455; Apr. 3.
- Wave transmission with narrowed band. J. C. Steinberg. 1,948,973; Feb. 27.
- Wave transmitting apparatus. High power short. C. Vraný and H. Zodtner. 1,978,067; Oct. 23.
- Waver, Marcel hair. E. E. Baldwin. 1,968,593; July 31.
- Waving apparatus. Permanent. D. Lakenbach. 1,968,773; July 31.
- Waving. Permanent. V. J. Gentile. 1,943,889; Jan. 16.
- Wax. Bleaching. A. Hough. 1,980,273; Nov. 13.
- Wax carbon spots. Producing. G. A. Rutkoskie. 1,961,828; June 5.
- Wax emulsion coating and coating process. W. A. Bridgeman and J. A. Schade. 1,943,468; Jan. 16.
- Wax emulsion. Producing an aqueous. H. Bennett. 1,981,608; Nov. 20.
- Wax from hydrocarbon oils. Removal of. G. R. Bryant and F. X. Govers. 1,969,201; Aug. 7.
- Wax from hydrocarbon oils. Removal of. B. Y. McCarty and W. E. Skelton. 1,969,670; Aug. 7.
- Wax from hydrocarbon oils. Separation of. R. E. Manley. 1,980,071; Nov. 6.
- Wax from oil. Removal of. T. W. Quinn. 1,963,175; June 19.
- Wax from oils. Separating. H. V. Atwell. 1,976,535; Oct. 9.
- Wax from petroleum oils. Removing. H. T. Bennett. 1,960,617; May 29.
- Wax holder. H. E. Trent. 1,943,749; Jan. 16.
- Wax-like substances and preparing same. D. K. Tressler. 1,979,586; Nov. 6.
- Waxlike substances and preparing the same. D. K. Tressler and C. Schade. 1,941,639; Jan. 2.
- Wax-like substances. Production of high quality. W. Pungs and M. Jahrstorfer. 1,942,833; Jan. 9.
- Wax package. F. Riebel, jr. 1,970,194; Aug. 14.
- Wax polish. M. H. Arveson. 1,979,787; Nov. 6.
- Wax purification. D. C. Cox. 1,951,861; Mar. 20.
- Wax. Refining of crude paraffin. R. Wietzel and C. Pfandler. 1,973,833; Sept. 18.
- Wax thread sewing machine. H. Graf. 1,969,605; Aug. 7.
- Wax. Treating montan. W. Pungs, M. Jahrstorfer, and T. Helthaler. 1,985,871; Dec. 25.
- Waxer and polisher. Combined floor. W. H. Lee. 1,966,633; July 17.
- Waxer. Floor. H. L. Braun. 1,971,520; Aug. 28.
- Waxer. Floor. C. E. Whittenberg. 1,955,703; Apr. 17.
- Waxes and the like, and novel product obtained thereby. Treating. H. Bennett. 1,955,527; Apr. 17.
- Waxes and the product thereof. Reesterification of natural. W. Pungs and H. Freytag. 1,972,459; Sept. 4.
- Waxes. Purification and bleaching of. A. Hough. 1,980,338; Nov. 13.
- Waxing attachment for paper machines. K. M. Thorsen. 1,951,681; Mar. 20.
- Waxing device. J. P. Rosenberg. 1,972,318; Sept. 4.
- Waxing machine. A. Potdevin. 1,968,911; Aug. 7.
- Waxy products. Production of. W. Pungs and M. Jahrstorfer. 1,971,305; Aug. 21.
- Weasand and preparing the same. W. C. Ragals. 1,945,866; Feb. 6.
- Weather pad construction. A. P. Fletcher and F. E. Beems. 1,955,453; Apr. 17.
- Weather resisting material. P. W. Codwise. 1,948,979; Feb. 27.
- Weather strip. E. D. Barringer. 1,973,461; Sept. 11.
- Weatherstrip. E. H. Ellison. 1,967,813; July 24.
- Weather strip. H. B. Foresman. 1,971,603; Aug. 28.
- Weather strip. J. A. Goellner. 1,948,108; Feb. 20.
- Weather strip. G. E. Grimm. 1,952,669; Mar. 27.
- Weather strip. D. H. Haruly. 1,985,724; Dec. 25.
- Weather strip. L. F. Julien. 1,957,598; May 8.
- Weather strip. J. M. Kuebler. 1,950,615; Mar. 13.
- Weatherstrip. L. A. Macklanburg. 1,947,349; Feb. 13.
- Weatherstrip. A. Miller. 1,972,788; Sept. 4.
- Weather-strip. H. A. Myers. 1,949,321; Feb. 27.
- Weather strip. H. H. White. 1,946,251; Feb. 6.
- Weatherstrip and mounting for railway car and bus window frames. R. T. Axe. 1,965,211; July 3.
- Weatherstrip device for doors. E. Schrenk. 1,967,103; July 17.
- Weather strip for door bottoms. A. J. and A. R. P. Spanjers. 1,976,970; Oct. 16.
- Weather strip for sliding sashes. R. L. Heid. 1,957,592; May 8.
- Weatherstrip for windows. Metallic. U. A. Abrahams. 1,976,472; Oct. 9.
- Weatherstrip material. Packaging and forming. B. J. Long. 1,984,346; Dec. 11.
- Weather strip. Metal. C. C. Burch. 1,954,439; Apr. 10.
- Weather stripping. H. E. Bell. 1,946,728; Feb. 13.
- Weather stripping. L. A. Macklanburg. 1,947,352; Feb. 13.
- Weather stripping. D. E. Ross. 1,948,679; Feb. 27.
- Weatherstripping for windows. G. L. Kemp and F. L. Fritts. 1,960,157; May 22.
- Weather stripping. Producing. E. E. Davidson. 1,958,131; May 8.
- Weaver's knoter. N. Cook. 1,974,846; Sept. 25.
- Weaving. R. Rossmann. 1,948,051; Feb. 20.
- Weaving. O. Sauer. 1,942,152; Jan. 2.
- Weaving attachment for looms. Needle. F. E. Fowler. 1,968,755; July 31.

- Weaving attachment for stitch-forming machines. P. H. Dixon. 1,957,633; May 8.
- Weaving mechanism. R. G. Knowland and E. W. Stone. 1,970,524; Aug. 14.
- Web change device. H. A. W. Wood. 1,960,767; May 29.
- Web control for printing presses. I. Tornberg. 1,970,717; Aug. 21.
- Web control mechanism. J. E. Euth. 1,976,440; Oct. 9.
- Web controlling mechanism. C. J. Richter. 1,962,938; June 12.
- Web controlling mechanism for page projectors. R. F. Dirkes and R. Wentworth. 1,980,324; Nov. 13.
- Web covering to strands, Method and apparatus for applying. C. B. Fantone and R. M. Jameson. 1,955,908; Apr. 24.
- Web cut-off mechanism. D. W. Hudson. 1,984,680; Dec. 18.
- Web cutting and sheet forwarding mechanism. C. G. Quick and W. A. Whitehead. 1,941,754; Jan. 2.
- Web cutting machine. C. L. Shipley. 1,969,480; Aug. 7.
- Web delivery apparatus. F. D. Fowler. 1,977,720; Oct. 23.
- Web detector for printing presses. M. D. McFarlane. 1,978,589; Oct. 30.
- Web feed means. C. Littlefield. 1,965,659; July 10.
- Web feeding apparatus. R. S. Clark. 1,972,075; Sept. 4.
- Web feeding device. O. Wohlrabe. 1,970,352; Aug. 14.
- Web feeding mechanism. E. H. Unkles. 1,972,466; Sept. 4.
- Web feeding, tensioning, and form aligning apparatus. W. A. Konerman, E. S. Rump, and A. L. Farr. 1,971,984; Aug. 28.
- Web material, Treating. W. H. Nixon. 1,969,232; Aug. 7.
- Web measuring and feeding device, Automatic. J. J. Cavanaugh. 1,941,597; Jan. 2.
- Web of a flexible material in a winding machine, Controlling a. J. A. Cameron. 1,966,331; July 10.
- Web or sheet cutting mechanism for printing machines. H. Davis. 1,975,350; Oct. 2.
- Web printing machine. H. V. Ball. 1,973,034; Sept. 11.
- Web printing machine. F. Lamatsch and C. W. Ginsberg. 1,959,371; May 22.
- Web printing press, Flatbed. L. E. La Bombard and M. H. Sidebotham. 1,961,002; May 29.
- Web renewing mechanism. H. N. Durham. 1,962,928; June 12.
- Web roll controlling device for printing machines. A. J. Horton. 1,968,453; July 31.
- Web roll controlling mechanism. A. J. Horton. 1,985,292; Dec. 25.
- Web roll controlling mechanism. F. Lamatsch. 1,984,749; Dec. 18.
- Web roll controlling mechanism for printing machines. J. D. Spillane. 1,974,126; Sept. 18.
- Web roll support. A. H. Jung. 1,955,917; Apr. 24.
- Web rolls and the like, Supporting. H. A. W. Wood. 1,967,647; July 24.
- Web supply mechanism for printing machines. A. J. Horton. 1,967,056; July 17.
- Web tension controlling mechanism for use with rotary printing machines. A. J. Horton. 1,942,964; Jan. 9.
- Web tension mechanism for printing presses. A. J. Chne. 1,945,136; Jan. 30.
- Web tensioning apparatus. D. B. Bradner. 1,949,237; Feb. 27.
- Web-tensioning means. G. C. Coil. 1,952,196; Mar. 27.
- Web-tensioning means. C. A. Dickhaut. 1,952,913; Mar. 27.
- Webs, Apparatus for operating on wound. A. Broadmeyer. 1,949,238; Feb. 27.
- Webs for brake shoes, Making. C. E. Budd. 1,946,061; Feb. 6.
- Webs of material such as paper, cloth, and the like, Apparatus for decorating. R. S. Bracewell. 1,968,279; July 31.
- Webs to newspaper printing presses, Method and apparatus for supplying. M. M. Farley. 1,961,685; June 5.
- Wedding ring. A. Samuels. Des. 92,561; June 19.
- Wedding ring. A. Samuels. Des. 93,423; Sept. 25.
- Wedge grip for testing machines. H. J. Ruch. 1,943,931; Jan. 16.
- Wedge mechanism for friction shock absorbing devices. C. J. Holland. 1,975,720; Oct. 2.
- Wedge shaft control for Diesel engines. E. H. Greminger. 1,972,482; Sept. 4.
- Weed burner. G. E. Guttormson. 1,943,218; Jan. 9.
- Weed cutter. G. J. Linscomb. 1,947,785; Feb. 20.
- Weed cutter. E. O. Zander. 1,979,432; Nov. 6.
- Weed-cutter in connection with potato-diggers. O. Werner. 1,982,240; Nov. 27.
- Weed destroyer. W. S. Foster. 1,961,482; June 5.
- Weed destroyer. P. J. Kuly. 1,954,593; Apr. 10.
- Weed destroyer. C. R. Laubenfels. 1,960,819; May 29.
- Weed destroying composition. C. R. Rose. 1,967,628; July 24.
- Weed exterminator. E. L. Dick. 1,982,646; Dec. 4.
- Weed killer. L. E. Reynard. 1,981,122; Nov. 20.
- Weeder. J. L. F. Bauer. 1,985,674; Dec. 25.
- Weeder, Field. G. R. Bean. 1,961,810; June 5.
- Weeding and cultivating tool, Hand operated. E. O. Buehler. 1,960,894; May 29.
- Weeding implement, Universal. F. Struckmeyer. 1,946,006; Feb. 6.
- Weeding tool. C. S. Haskins. 1,951,978; Mar. 20.
- Weeding tool. J. E. Lee. 1,954,250; Apr. 10.
- Weeding tool. G. Pirich. 1,983,873; Dec. 11.
- Weft and controller for weft-replenishing looms. O. V. Payne. Re19,100; Mar. 6.
- Weft detecting mechanism for looms, Pneumatic. O. V. Payne. 1,977,083; Oct. 16.
- Weft detector, Inertia actuated. O. V. Payne. 1,979,766; Nov. 6.
- Weft inserting mechanism for looms for weaving. O. Shimwell. 1,983,409; Dec. 4.
- Weft mechanism for positive motion looms. W. Klemm. 1,957,024; May 1.
- Weft pile fabric loom. W. B. Cooper and E. T. Phoenix. 1,970,444; Aug. 14.
- Weft replenishing mechanism for automatic looms. A. A. Gordon. 1,982,249; Nov. 27.
- Weighing and delivery mechanism. E. P. Everhard. 1,970,291; Aug. 14.
- Weighing and price computing apparatus. A. Weissenburger. 1,957,187; May 1.
- Weighing apparatus, Continuous. H. Hardinge. 1,973,312; Sept. 11.
- Weighing apparatus, Continuous. H. L. Merrick. 1,959,873; May 22.
- Weighing device. E. A. Averill. 1,949,855; Mar. 6.
- Weighing device. J. E. Seederer. 1,949,844; Mar. 6.
- Weighing device. J. E. Seederer. 1,972,603; Sept. 4.
- Weighing device and automatic drill control, Automatic. W. L. Hawk. 1,954,670; Apr. 10.
- Weighing device, Boxed product. H. H. Wagner. 1,965,302; July 3.
- Weighing device, Continuous. F. W. Adams. 1,960,428; May 29.
- Weighing device for balance. H. A. L. Essmann. 1,944,071; Jan. 16.
- Weighing device for vehicles. P. B. Goodale. 1,956,096; Apr. 24.
- Weighing machine. T. A. Brunt. 1,962,231; June 12.
- Weighing machine. B. B. Rochestie. 1,952,567; Mar. 27.
- Weighing machine, Automatic. E. C. von Pritzelwitz van der Horst. 1,978,558; Oct. 30.
- Weighing machine casing. D. W. Rochestie. Des. 92,627; June 26.
- Weighing machine casing. R. Vogel. Des. 91,694; Mar. 6.
- Weight and height measuring device, Combination. J. D. Boyd. 1,983,966; Dec. 11.
- Weight controlling apparatus. E. G. Thomas. 1,961,178; June 5.
- Weight indicating device for well drilling apparatus. W. L. Hawk. 1,949,908; Mar. 6.
- Weight of glass articles made by the gob feed automatic machine process, Apparatus for automatically controlling the. K. M. Henry and B. A. Noble. 1,941,552; Jan. 2.
- Weight of the laps produced by the scutcher in a spinning mill, Method and apparatus for regulating the. H. Pferdenges. 1,985,056; Dec. 18.
- Weight recording device, Automatic. P. Seitz and W. Depenbrock. 1,971,878; Aug. 28.
- Weighting, Method of. T. Scheuermann. 1,955,440; Apr. 17.
- Weir. H. Zimmermann. 1,968,730; July 31.
- Weld pad manufacturing apparatus, Automatic. G. A. Whiting. 1,966,575; July 17.
- Weld rod. E. A. Hobart. 1,956,864; May 1.
- Welded joint. R. L. Wagner. 1,980,561; Nov. 13.
- Welded-joint tester. F. Lichtenberger and H. Mauch. 1,966,984; July 17.
- Welded material, Method and apparatus for forming. J. L. Adams, Jr. 1,954,511; Apr. 10.
- Welded spoke wheel. A. M. Stanley. 1,970,438; Aug. 14.
- Welders, Electric automatic volt and heat control for. B. A. Hacker. 1,948,377; Feb. 20.
- Welding. J. L. Anderson. 1,964,307; June 26.
- Welding. T. P. Champion, R. E. Kinkad, and R. R. Applegate. 1,954,773; Apr. 10.
- Welding. W. C. Corryell. 1,971,369; Aug. 28.
- Welding. E. G. Daniels and F. L. Wurst. 1,955,737; Apr. 24.
- Welding. C. L. Eksergian. 1,977,567; Oct. 16.
- Welding. J. M. Keir. 1,954,297; Apr. 10.
- Welding. W. Kreutz. 1,943,123; Jan. 9.
- Welding. A. Longoria. 1,972,530; Sept. 4.
- Welding. H. Mayweg. 1,944,097; Jan. 16.
- Welding. J. E. Neale. 1,967,129; July 17.
- Welding. R. D. Pike and J. Krill. 1,964,647; June 26.
- Welding. L. Schlecht, W. Schubardt, and F. Duftschmid. 1,972,463; Sept. 4.
- Welding. W. F. Schulz. 1,973,113; Sept. 11.
- Welding. A. A. Smith. 1,979,712; Nov. 6.
- Welding. E. W. Vars. 1,956,406; Apr. 24.
- Welding. J. C. Whitesell, Jr. 1,975,997; Oct. 9.
- Welding and article produced thereby. J. P. Tarbox. 1,952,474; Mar. 27.
- Welding and automatic welding apparatus. S. A. Eskilson. 1,966,200; July 10.
- Welding and cutting apparatus. J. M. Halbing. 1,944,125; Jan. 16.
- Welding and cutting apparatus. W. R. Linden. 1,977,640; Oct. 23.
- Welding apparatus. J. L. Anderson. 1,964,701; June 26.
- Welding apparatus. A. M. Candy and G. H. Koch. 1,962,297; June 12.
- Welding apparatus. J. T. Catlett. 1,946,305; Feb. 6.
- Welding apparatus. V. J. Chapman. 1,983,343; Dec. 4.
- Welding apparatus. A. Churchward. 1,961,197; June 5.
- Welding apparatus. R. A. Gilbert. 1,942,055; Jan. 2.

- Welding apparatus. R. J. Kehl. 1,979,270; Nov. 6.
Welding apparatus. R. J. Kehl. 1,981,624; Nov. 20.
Welding apparatus. H. E. Kennedy, M. A. Rotermund, and L. T. Jones. 1,963,915; June 19.
Welding apparatus. P. Klein. 1,971,822; Aug. 28.
Welding apparatus. P. Klein. 1,975,581; Oct. 2.
Welding apparatus. G. H. Koch. 1,948,763; Feb. 27.
Welding apparatus. R. B. Lincoln. 1,967,094; July 17.
Welding apparatus. A. Longoria. 1,972,529; Sept. 4.
Welding apparatus. F. H. Mayoh. 1,947,300; Feb. 13.
Welding apparatus. V. C. Norquist. 1,972,029; Aug. 28.
Welding apparatus. H. T. Platz. 1,954,426-7; Apr. 10.
Welding apparatus. R. M. Stephens and V. J. Chapman. 1,983,321; Dec. 4.
Welding apparatus. R. N. Stoddard. 1,973,122; Sept. 11.
Welding apparatus. I. F. Weller. 1,946,302; Feb. 6.
Welding apparatus, Arc. L. S. Burgett. 1,979,220; Oct. 30.
Welding apparatus, Arc. V. J. Chapman. 1,965,331; July 3.
Welding apparatus, Arc. H. F. H. Fahnoe, E. M. Glenn, and D. D. Knowles. 1,962,342; June 12.
Welding apparatus, Arc. G. H. Koch. 1,948,764; Feb. 27.
Welding apparatus, Arc. D. L. Mathias. 1,962,318; June 12.
Welding apparatus, Arc. L. R. Smith. 1,982,327; Nov. 27.
Welding apparatus, Arc. W. E. Stine. 1,980,447; Nov. 13.
Welding apparatus control. G. G. Landis. 1,952,505; Mar. 27.
Welding apparatus, Electric. J. L. Adams, jr. 1,983,160; Dec. 4.
Welding apparatus, Electric arc. R. K. Hopkins. 1,954,999-5,000; Apr. 17.
Welding apparatus, Electric arc. F. L. Re Qua, assignor to Steel-Weld Equipment Corporation Ltd. 1,984,809; Dec. 18.
Welding, Apparatus for. J. L. Adams, jr. 1,948,154; Feb. 20.
Welding, Apparatus for. J. L. Adams, jr. 1,983,159; Dec. 4.
Welding, Arc. A. Alexay. 1,963,729; June 19.
Welding, Arc. E. Chapman. 1,947,077; Feb. 13.
Welding, Arc. R. A. Gilbert. 1,949,251; Feb. 27.
Welding, Arc. V. Miller. 1,978,316-17; Oct. 23.
Welding, Arc. S. Sandelowsky and K. Belling. 1,963,868-9; June 19.
Welding, Arc. W. E. Stine. 1,958,649; May 15.
Welding device. J. Calley. 1,983,692; Dec. 11.
Welding device and method, Automatic. L. E. August. 1,954,343; Apr. 10.
Welding die. S. Moreira. 1,963,062; June 19.
Welding, Electric. G. A. Cutter. 1,975,225; Oct. 2.
Welding, Electric. J. W. Holt. 1,956,172; Apr. 24.
Welding, Electric. G. A. Hughes. 1,943,259; Jan. 9.
Welding, Electric. E. M. Martin and C. B. Langstroth. 1,959,437; May 22.
Welding, Electric arc. W. R. Hume. 1,963,553; June 19.
Welding, Electric arc. H. Kost. 1,979,944; Nov. 6.
Welding, Electric flash. W. F. Heineman. 1,976,342; Oct. 9.
Welding, Electric flash. H. Miller. 1,966,210; July 10.
Welding electrode. J. J. Paugh. 1,943,771; Jan. 16.
Welding electrode and flux therefor. L. G. Anastasiadis. 1,946,958; Feb. 13.
Welding electrode feeding device. R. K. Hopkins. 1,955,001; Apr. 17.
Welding-electrode holder. J. Davidson. 1,971,133; Aug. 21.
Welding-flash-removal, Apparatus for. G. L. Kelley. 1,958,103; May 8.
Welding flash, Removing. G. L. Kelley. 1,958,146; May 8.
Welding flux, Arc. V. Miller. 1,978,318; Oct. 23.
Welding machine. J. R. Allan. 1,973,972; Sept. 18.
Welding machine. W. H. Gibb. 1,965,312; July 3.
Welding machine. R. T. Gillette and L. R. Leveen. 1,944,863; Jan. 23.
Welding machine. B. F. Hamilton. 1,943,600; Jan. 16.
Welding machine. L. H. Hoffer. 1,968,079; July 31.
Welding machine. J. J. Kenney and R. A. Gilbert. 1,975,578; Oct. 2.
Welding machine. E. J. W. Ragsdale. 1,955,438; Apr. 17.
Welding machine. G. Walmley. 1,956,840; May 1.
Welding machine, Arc. G. S. Comstock. 1,957,489; May 8.
Welding machine, Drum. W. J. Boyle, jr., and L. S. Rosener. 1,980,164; Nov. 13.
Welding machine, Electric. H. J. Burnish. 1,982,496; Nov. 27.
Welding machine, Electric. E. Turnquist. 1,976,250; Oct. 9.
Welding method. W. Raupach and F. Kalkner. 1,984,988; Dec. 18.
Welding, Method and apparatus for. E. Riemenschneider. 1,948,801; Feb. 27.
Welding, Method and apparatus for electric. S. H. McKee and A. R. Finch. 1,972,629; Sept. 4.
Welding method and apparatus therefor. H. A. Delano and E. Greene. 1,975,753; Oct. 2.
Welding, Method and product of electric. E. J. W. Ragsdale. 1,944,106; Jan. 16.
Welding method, Arc. A. Kidd. 1,977,678; Oct. 23.
Welding, Method of and apparatus for electric. G. A. Cutter. 1,965,521; July 3.
Welding, Method of and machine for resistance. J. J. Paugh. 1,970,941; Aug. 21.
Welding process. H. S. George. 1,973,341; Sept. 11.
Welding process. E. H. Kuhlman. 1,973,986; Sept. 18.
Welding rod. J. B. Austin. 1,949,398; Feb. 27.
Welding rod. N. W. Cole. 1,951,750; Mar. 20.
Welding rod. J. M. Keir. 1,954,296; Apr. 10.
Welding rod. L. A. Meisse. 1,954,394; Apr. 10.
Welding rod. J. M. Sawhill and G. A. Mead. 1,980,229; Nov. 13.
Welding rod. F. Wörtmann. 1,953,382; Apr. 3.
Welding rod and means therefor. Flux-coated. W. R. Hume. 1,943,867; Jan. 16.
Welding rod and using the same, Copper alloy. E. L. Munson. 1,966,260; July 10.
Welding rod holder. J. Buttaci and J. J. Goers. 1,943,754; Jan. 16.
Welding rod of copper. O. Brandenberger. 1,985,142; Dec. 18.
Welding seams along curving surfaces. J. L. Anderson. 1,972,509; Sept. 4.
Welding system, Arc. J. T. Catlett. 1,982,371; Nov. 27.
Welding system, Arc. J. J. Frick. 1,976,551; Oct. 9.
Welding tip. J. L. Anderson. 1,979,244; Nov. 6.
Welding tool. R. P. La Porte. 1,985,734; Dec. 25.
Welding tool. F. D. Rogers. 1,980,228; Nov. 13.
Welding, Vacuum process of. R. Acre. 1,956,818; May 1.
Welding with copper, Apparatus for. B. L. Quarnstrom. 1,976,092; Oct. 9.
Welding with magnetic stabilization, Electric. R. Sarazin. 1,946,413; Feb. 6.
Well, Apparatus and method of completing a. S. E. Manning. 1,944,443; Jan. 23.
Well bit. J. H. Howard and A. C. Catland. 1,966,346; July 10.
Well bit. J. B. Ragsdale. 1,961,390; June 5.
Well bores, Straightening. M. G. Earley. 1,971,480; Aug. 28.
Well boring machine. C. E. Bannister. Re19,397; Dec. 18.
Well boring machine. C. E. Bannister. 1,965,563; July 10.
Well casing. C. B. Kennedy. 1,959,367; May 22.
Well casing protector. W. W. Williams. 1,965,730; July 10.
Well casing protector. W. W. Williams. 1,965,998; July 10.
Well cementing apparatus. E. V. Crowell. Re19,278; Aug. 21.
Well drilling apparatus, Rotary. L. J. Black. 1,967,111; July 17.
Well drilling apparatus, Rotary. A. E. Johnson. 1,983,545; Dec. 11.
Well drilling bit. W. A. Abegg. Re19,236; July 17.
Well drilling bit. J. H. Howard. 1,978,084; Oct. 23.
Well drilling bit, Collapsible. C. L. Walker. 1,978,119; Oct. 23.
Well drilling bit, Rotary. W. B. Flynn. 1,957,532; May 8.
Well drilling equipment for handling drill pipe and casing in high pressure wells. L. E. Zerbe and E. Timbs. 1,971,473; Aug. 28.
Well drilling rig, Rotary. A. J. Ponti. 1,957,504; May 8.
Well drilling system. J. C. Smith. 1,970,253; Aug. 14.
Well equipment. J. F. Moody. 1,966,454; July 17.
Well equipment, Gas and oil. W. S. Pierce. 1,965,907; July 10.
Well flowing and pumping mechanism. R. C. Williamson. 1,959,559; May 22.
Well flowing apparatus. W. L. Clark. 1,983,217; Dec. 4.
Well for flower boxes and the like. A. Lizzola. 1,952,597; Mar. 27.
Well for ink bottles, Auxiliary. W. R. Cuthbert. 1,963,261; June 19.
Well head assembly. A. J. and K. T. Penick. 1,969,234; Aug. 7.
Well holes, Apparatus for determining the inclination of. C. E. Leach. 1,976,737; Oct. 16.
Well-holes, Method of and apparatus for orienting. E. J. Grant. 1,959,666; May 22.
Well holes, Method of and explosive for blasting deep. J. M. Jeffries. 1,948,583; Feb. 27.
Well, Hot. R. N. Ehrhart. 1,962,183; June 12.
Well packer. B. E. Parrish. 1,956,694; May 1.
Well-pipe cutter. R. D. Brannon. 1,952,652; Mar. 27.
Well production apparatus. J. H. Howard and J. H. McEvoy, jr. 1,983,854; Dec. 11.
Well pump. R. Deming. 1,980,985; Nov. 20.
Well pump. A. Hollander. 1,943,531; Jan. 16.
Well pump. W. H. Maxwell. 1,982,919; Dec. 4.
Well pump. L. D. Mowrey. 1,977,915; Oct. 23.
Well pump. R. I. Pendleton. 1,969,182; Aug. 7.
Well pump. J. Penrod. 1,958,015-16; May 8.
Well pump. J. Penrod. 1,958,171-2; May 8.
Well pump. J. Penrod. 1,958,836; May 15.
Well pump. J. Penrod. 1,983,489; Dec. 4.
Well pump, Reciprocating. J. C. Bracht. 1,966,917; July 17.
Well pumping apparatus. A. R. Maier. 1,958,518; May 15.
Well pumping apparatus. E. D. Nothstine. 1,978,595; Oct. 30.
Well pumping apparatus. S. E. Ross. 1,981,288; Nov. 20.
Well pumping, Deep. R. H. Thompson. 1,946,723; Feb. 13.
Well pumping device. J. M. Fry. 1,959,621; May 22.
Well pumping valve. H. A. Rike. 1,957,867; May 8.
Well reamer. J. A. Vertson. Re19,339; Oct. 9.
Well screen. E. L. Barker. 1,983,016; Dec. 4.
Well screen. A. J. Diepenbrock. 1,976,217; Oct. 9.

- Well surveying device. S. H. Williston and C. R. Nichols. 1,960,038; May 22.
- Well swabbing device. J. W. Gill. 1,961,513; June 5.
- Well trap. A. F. O'Connor. 1,941,814; Jan. 3.
- Well tubing plug. H. C. Otis. 1,984,230; Dec. 11.
- Wells, Apparatus and method for developing and gravel treating. J. Q. Peebles. 1,980,632; Nov. 13.
- Wells, Apparatus for cleaning. J. O. Mack. 1,964,264; June 26.
- Wells, Apparatus for pumping. W. L. Church. 1,974,260; Sept. 18.
- Wells, Controlling. R. A. Mueller. 1,981,279; Nov. 20.
- Wells, Drilling. G. A. Zeidler, jr. 1,983,428; Dec. 4.
- Wells, Method and apparatus for cementing. M. Manning. 1,980,942; Nov. 13.
- Wells, Method of and apparatus for pumping. C. J. Coberly and F. W. Harris. 1,957,320; May 1.
- Wells, or shafts, and for like operations. Apparatus for the boring of. P. J. M. T. Allard. 1,985,710; Dec. 25.
- Wells, Treating deep. R. H. Boundy and J. E. Pierce. 1,963,072; June 19.
- Welt tempering device. F. Ashworth. 1,972,970; Sept. 11.
- Welt tempering mechanism for shoe sewing machines. F. Ashworth. 1,981,940; Nov. 27.
- Welt trimming machine. C. C. Grotnes. 1,975,939; Oct. 9.
- Welting. H. A. Osborne. 1,944,805; Jan. 23.
- Welting and making the same, Beaded. W. J. Fallon, jr. 1,961,345; June 5.
- Welting fillets and strips, Making. W. G. Barbour. 1,943,410; Jan. 16.
- Welting from leather stock, Securing an increased yield of. W. J. Fallon, jr. 1,984,525; Dec. 18.
- Welting, Goodyear. J. W. Spence. 1,966,527; July 17.
- Wells, Method and apparatus for making. H. G. Haloran. 1,960,997; May 29.
- Wet machine and method. H. P. L. Laussucq. 1,953,240; Apr. 3.
- Wet treatment of artificial silk cakes. K. Schmidt. 1,968,356; July 31.
- Wet treatment of spinning cakes, etc., Arrangement for the. F. Rathgeber, W. Schulz, V. Beplate, and A. Ruesch. 1,985,621; Dec. 25.
- Wetting agent. H. Bertsch. 1,968,795; July 31.
- Wetting agents. E. Lurie. 1,980,543; Nov. 13.
- Wetting agents for use in alkalyzing lyes, Preparation of. H. Lier. 1,976,886; Oct. 16.
- Wetting and dispersing agents. H. Bertsch. 1,951,469; Mar. 20.
- Wetting-out agent. O. A. Pickett. 1,958,860; May 15.
- Wheat germ in whole and unfattened state, Producing. T. R. James. 1,981,318; Nov. 20.
- Wheat, Treating. W. W. Lehman. 1,981,557; Nov. 20.
- Wheel. See.
- Abrasive wheel. Motor vehicle wheel.
- Automobile wheel. Motor wheel.
- Blower wheel. Pneumatic cushion rail wheel.
- Buffer wheel. Polishing or buffing wheel.
- Bull and calf wheel. Railway vehicle wheel.
- Car wheel. Resilient wheel.
- Cast wheel. Resin bonded wheel.
- Convertible fifth wheel. Roller bearing wheel.
- Conveyer wheel. Rotor wheel.
- Cushion car wheel. Spring or resilient wheel.
- Cushion fly wheel. Steel trolley wheel.
- Demountable wheel. Steering lock wheel.
- Dual disk wheel. Steering wheel.
- Dual pneumatic wheel. Toy wheel.
- Dual tire wheel. Traction wheel.
- Dual wheel. Tractor wheel.
- Elastic wheel. Trailer fifth wheel.
- Expandable wheel. Truck wheel.
- Fifth wheel. Vehicle artillery wheel.
- Grinding wheel. Vehicle wheel.
- Hydraulic spoke wheel. Vehicle steering wheel.
- Interlocking wheel. Welded spoke wheel.
- Land wheel. Wire wheel.
- Metal wheel.
- Motor truck wheel.
- Wheel. C. S. Ash. 1,973,161; Sept. 11.
- Wheel. W. N. Booth. 1,975,221; Oct. 2.
- Wheel. R. J. Burrows and A. O. Williams. 1,980,663; Nov. 13.
- Wheel. H. E. Doerr. 1,960,299-302; May 29.
- Wheel. C. L. Eksergian and T. A. Davenport. Des. 91,456; Feb. 6.
- Wheel. C. L. Eksergian and T. A. Davenport. Des. 93,915; Nov. 27.
- Wheel. M. W. and L. S. Feinberg. Re19,353; Oct. 30.
- Wheel. F. C. Frank. 1,967,401; July 24.
- Wheel. F. C. Frank. 1,971,604; Aug. 28.
- Wheel. F. C. Frank. 1,974,534; Sept. 25.
- Wheel. F. C. Frank. 1,981,953; Nov. 27.
- Wheel. P. W. Gaenssle. Des. 92,531; June 19.
- Wheel. C. W. Gannett. 1,980,479; Nov. 13.
- Wheel. J. E. Gillespie. 1,972,770; Sept. 4.
- Wheel. C. P. Hartley. 1,947,261; Feb. 13.
- Wheel. H. J. Horn. Des. 93,222-4; Sept. 4.
- Wheel. H. J. Horn. Des. 93,769; Nov. 6.
- Wheel. J. H. Hunt. Des. 92,600; June 26.
- Wheel. J. H. Hunt. Des. 93,167; Aug. 28.
- Wheel. J. H. Hunt. Des. 93,226-7; Sept. 4.
- Wheel. J. H. Hunt and H. J. Horn. Des. 93,348; Sept. 18.
- Wheel. L. G. Knapp. 1,980,412; Nov. 13.
- Wheel. L. E. La Brie. 1,957,654; May 8.
- Wheel. F. L. Main. 1,971,864; Aug. 28.
- Wheel. A. J. Michelin. 1,972,664; Sept. 4.
- Wheel. E. A. Nelson. 1,985,054; Dec. 18.
- Wheel. B. C. Riblet. 1,981,196; Nov. 20.
- Wheel. C. W. Sinclair. Des. 93,135-41; Aug. 21.
- Wheel. C. W. Sinclair. Des. 93,360; Sept. 18.
- Wheel. W. Stelzer. 1,966,148; July 10.
- Wheel. J. W. Vanderveer. 1,980,710; Nov. 13.
- Wheel. G. Walther. 1,953,321; Apr. 3.
- Wheel. J. W. White. 1,960,469; May 29.
- Wheel alignment and turning mechanism for trailer cars. G. Dunlop. 1,980,751; Nov. 13.
- Wheel alignment testing device. H. E. Musselman. 1,950,994; Mar. 13.
- Wheel and axle assembly. W. C. Hedgcock. 1,975,640; Oct. 2.
- Wheel and back stop device, Free. O. Stangeland. 1,948,082; Feb. 20.
- Wheel and brake. J. G. Swain. 1,968,005; July 24.
- Wheel and brake mechanism for baby carriages, Adjustable. J. Michal. 1,973,352; Sept. 11.
- Wheel and brake, Vehicle. C. L. Eksergian and R. B. Temple. 1,957,948; May 8.
- Wheel and clutch interlock, Free. S. O. White. 1,963,219; June 19.
- Wheel and demountable rim, Dual. J. G. Swain. 1,956,428; Apr. 24.
- Wheel and demountable rim, Dual. J. G. Swain. 1,985,749; Dec. 25.
- Wheel and forming the same, Wire. W. H. Farr. 1,954,445; Apr. 10.
- Wheel and making it. A. W. Woodward. 1,948,324; Feb. 20.
- Wheel and making the same. C. W. Sinclair. 1,977,701; Oct. 23.
- Wheel and rim construction. E. A. Nelson. 1,958,973; May 15.
- Wheel and the manufacture thereof, Reinforced abrasive. R. C. Benner and W. G. Soley. 1,975,070; Oct. 2.
- Wheel and tire carrier, Spare. E. F. Pawsat. 1,962,835; June 12.
- Wheel and tire lock, Spare. C. L. Johnson. 1,950,493; Mar. 13.
- Wheel and tire, Vehicle. P. M. Bourdon. 1,948,060; Feb. 20.
- Wheel assembly. J. G. Swain. 1,948,320; Feb. 20.
- Wheel assembly, Railway. G. A. Ungar. 1,975,881-2; Oct. 9.
- Wheel assembly, Vehicle supporting dual. J. F. Higbee. 1,970,378; Aug. 14.
- Wheelbarrow structure. J. D. Forrer. 1,965,409; July 3.
- Wheelbarrow structure. J. D. Forrer. 1,969,457; Aug. 7.
- Wheel base and work drive control. C. L. Ott. 1,976,366; Oct. 9.
- Wheel bearing retention, Outer. C. J. Bock. 1,950,592; Mar. 13.
- Wheel brake. E. F. Goodyear and J. Wright. 1,983,751; Dec. 11.
- Wheel carrier-jack, Retractable. R. F. Kuns. 1,956,688; May 1.
- Wheel chain. H. C. Davis. 1,985,444; Dec. 25.
- Wheel connection, Fifth. J. Walker and F. Miller. 1,966,839; July 17.
- Wheel, Constructing a. E. A. Nelson. 1,958,974; May 15.
- Wheel construction, Fifth. H. Ketel, C. M. Harris, and H. Van Der Heuvel. 1,955,965; Apr. 24.
- Wheel construction, Fifth. J. F. Robb. 1,977,013; Oct. 16.
- Wheel construction, Fifth. J. F. Robb. 1,982,928; Dec. 4.
- Wheel construction, Fifth. C. G. Seyferth. 1,968,573; July 31.
- Wheel construction, Motor. P. M. Miller. 1,966,825; July 17.
- Wheel construction, Motor vehicle. P. M. Miller. 1,946,171; Feb. 6.
- Wheel construction, Motor vehicle. P. M. Miller. 1,964,128; June 26.
- Wheel construction, Reversible fifth. J. F. Robb and C. H. Wagner. 1,977,014; Oct. 16.
- Wheel construction, Tail. J. H. Kindelberger. 1,971,613; Aug. 28.
- Wheel construction, Truck. D. C. Hay and L. H. Mattes. 1,985,540; Dec. 25.
- Wheel construction, Vehicle. W. H. Nutt. 1,976,409; Oct. 9.
- Wheel construction, Wire. O. F. Schweitzer. 1,959,007; May 15.
- Wheel counterbalance. F. H. Le Jeune. 1,973,173; Sept. 11.
- Wheel coupling device. F. P. Quinn. 1,950,998; Mar. 13.
- Wheel coupling mechanism for vehicles, Fifth. G. H. Connors. 1,976,255; Oct. 9.
- Wheel dressing mechanism. C. L. Ott, E. P. Wine, and H. E. Balsiger. 1,955,202; Apr. 17.
- Wheel drive construction, Fore. C. R. Roche. 1,960,457; May 29.
- Wheel feeding mechanism, Hydraulic. H. A. Stiven. 1,949,516; Mar. 6.
- Wheel feeding mechanism, Hydraulic. W. H. Wood. 1,969,997; Aug. 14.
- Wheel fitted with pneumatic tires, Railway vehicle. A. J. Michelin. Re19,226; June 26.
- Wheel flange and rail lubricator. J. O. Madison. 1,978,906; Oct. 30.

- Wheel for automobile vehicles and the like. W. and E. Zipper. 1,968,116; July 31.
- Wheel for automobiles, Auxiliary drive. F. De Graw. 1,972,839; Sept. 4.
- Wheel for harvester threshers, Combination. A. B. Welty. 1,973,969; Sept. 18.
- Wheel for manually operable valves, Hand. W. G. Le Compte. 1,958,165; May 8.
- Wheel for motor and other vehicles, Removable. H. Kuhnen. 1,974,746; Sept. 25.
- Wheel for motor vehicles of all kinds, Resilient. L. Eisele. 1,947,643; Feb. 20.
- Wheel for railway vehicles, Elastic. E. Bugatti. 1,985,144; Dec. 18.
- Wheel for railway vehicles, Shock-insulated. R. H. Rosenberg. 1,958,642; May 15.
- Wheel for roads and rails, Combined. V. H. Nalinne. 1,951,522; Mar. 20.
- Wheel for roller skate, Disk. E. R. Powell. 1,975,661; Oct. 2.
- Wheel for toy vehicles. W. A. Gruenberg. 1,952,708; Mar. 27.
- Wheel for trailers, Fifth. C. M. Harris. 1,981,233; Nov. 20.
- Wheel for trailers, Fifth. B. F. Linton. 1,943,735; Jan. 16.
- Wheel for vehicles, Pneumatic. A. L. Seabra. 1,965,058; July 3.
- Wheel for vehicles, Safety. D. Stouber. 1,974,669; Sept. 25.
- Wheel gauge. W. S. Johnson. 1,962,716; June 12.
- Wheel gauge. E. M. Starr. 1,985,330; Dec. 25.
- Wheel gauge, Automobile. E. Burgan. 1,971,702; Aug. 28.
- Wheel gauge, Automobile. R. J. Statz. 1,981,476; Nov. 20.
- Wheel handling device. G. W. Bill. 1,967,605; July 24.
- Wheel holder. E. J. Brouhard. 1,959,655; May 22.
- Wheel holder. H. B. Potter. 1,944,266; Jan. 23.
- Wheel hub. W. N. Booth. 1,943,158; Jan. 9.
- Wheel hub and brake drum. I. A. Wyant and C. W. Dake. 1,984,169; Dec. 11.
- Wheel hub assembly. A. S. Van Halteren. 1,945,793; Feb. 6.
- Wheel hub cover, Wire. W. R. Milner. 1,948,237; Feb. 20.
- Wheel hub mounting, Floating. J. F. Higbee. 1,976,068; Oct. 9.
- Wheel hub plate. M. Christman. 1,944,782; Jan. 23.
- Wheel hub, Vehicle. F. Winkler. 1,947,960; Feb. 20.
- Wheel hub with coaster brake, Free. F. Winkler. 1,947,961; Feb. 20.
- Wheel lifter and skid control, Combined. A. Cohen and J. Gately. 1,972,702; Sept. 4.
- Wheel lifter, Automobile. M. Rosenberg. 1,965,260; July 3.
- Wheel lock, Fender well. T. W. Loring. 1,983,765; Dec. 11.
- Wheel lug, Adjustable. F. C. Veith and H. C. Bowen. 1,968,471; July 31.
- Wheel lug, Making a traction. O. R. Schoenrock. 1,967,540; July 24.
- Wheel, Making an artillery steel. R. H. Rosenberg. 1,971,018; Aug. 21.
- Wheel mount for vehicles. R. F. Brown. 1,983,533; Dec. 11.
- Wheel mounting tool. J. M. Patterson. 1,969,233; Aug. 7.
- Wheel or motor, Water. F. Nolan. 1,945,373; Jan. 30.
- Wheel position indicator. T. Tokuhisa. 1,973,936; Sept. 18.
- Wheel press. W. J. Johnston. 1,971,821; Aug. 28.
- Wheel rim. R. Brousseau. 1,957,690; May 8.
- Wheel rim and tire construction. A. H. Shoemaker. 1,949,695; Mar. 6.
- Wheel rim, Vehicle. P. M. Bourdon. 1,964,618; June 26.
- Wheel rims, Mechanism for truing distorted metal. E. Connor. 1,955,358; Apr. 17.
- Wheel slide thrust indicator, Vehicle. J. F. Duby. 1,981,613; Nov. 20.
- Wheel spade, Tractor. H. W. Simpson. 1,963,686; June 19.
- Wheel spoke cover. O. U. Zerk. 1,959,255; May 15.
- Wheel spoke shroud. W. H. Farr. 1,950,082; Mar. 6.
- Wheel spokes, Apparatus for forming vehicle wire. E. P. Wilson. 1,984,102; Dec. 11.
- Wheel stop for automobile lifts. C. J. Bristol. 1,952,906; Mar. 27.
- Wheel structure. E. E. Einfeldt. 1,963,696; June 19.
- Wheel structure for vehicles, Convertible. J. N. Ice. 1,957,460; May 8.
- Wheel structure, Steering. C. N. Mitchell. 1,959,683; May 22.
- Wheel structure, Twin. S. E. Angell. 1,959,147; May 15.
- Wheel structure, Vehicle. F. A. Bollinger. 1,963,932; June 19.
- Wheel supports to barrow frame, Connecting. C. W. Gannett. 1,951,477; Mar. 20.
- Wheel suspension and springing, Vehicle and. R. Suczek. 1,970,823; Aug. 21.
- Wheel suspension for vehicles. L. E. Holman. 1,942,644; Jan. 9.
- Wheel suspension, Independent. E. S. MacPherson. 1,944,441; Jan. 23.
- Wheel-testing appliance. I. A. Weaver. 1,977,297; Oct. 16.
- Wheel treading machine. D. S. Oakley. 1,972,030; Aug. 28.
- Wheel truing machine. E. W. Miller. 1,978,845; Oct. 30.
- Wheel truing machine and method, Wire. C. L. Eksergian and O. E. Smith. 1,980,129; Nov. 6.
- Wheel truing machine and method, Wire. W. H. Farr, C. L. Eksergian, and O. E. Smith. 1,979,966; Nov. 6.
- Wheeling device, Free. J. F. Gaylord. 1,960,664; May 29.
- Wheels and wheels thereby balanced, Balancing abrasive. H. R. Simonds. 1,975,053; Sept. 25.
- Wheels, Apparatus for molding cast. R. C. Hempstead and J. W. Marshall. 1,943,434; Jan. 16.
- Wheels, Apparatus for molding grinding. E. Anderson. 1,960,429; May 29.
- Wheels, Apparatus for refinishing vehicle. J. S. McWhirter. 1,967,835; July 24.
- Wheels, Construction of aircraft disk type landing. G. H. Dowty. 1,972,216; Sept. 4.
- Wheels, Forming steel. C. P. Schmidt. 1,973,112; Sept. 11.
- Wheels, Making casting. J. H. Doorbar. 1,947,462; Feb. 20.
- Wheels, Making metal spoked. J. P. Tarbox. 1,973,183; Sept. 11.
- Wheels, Making thin abrasive. H. W. H. Beth. 1,970,122; Aug. 14.
- Wheels, Making vehicle. J. H. Wagenhorst. 1,979,815; Nov. 6.
- Wheels, Making wire. F. H. Le Jeune. 1,945,647; Feb. 6.
- Wheels, Manufacture of wire. C. L. Eksergian. 1,942,091; Jan. 2.
- Wheels, Method and apparatus for producing grinding. J. V. Schaefer. 1,970,772; Aug. 21.
- Wheels, Production of vehicle. T. E. Murray, jr., and H. H. Williams. 1,953,361; Apr. 3.
- Wheels, Reinforcement of high speed abrasive. F. J. Tone. 1,982,710; Dec. 4.
- Wheels, Tensioning wire. W. H. Farr, O. E. Smith, and C. L. Eksergian. 1,944,596 Jan. 23.
- Wheels to Spindles, Fastening. H. G. Robinson. 1,947,662; Feb. 20.
- Wheels upon shafts, Mounting. G. A. Buehle. 1,959,901; May 22.
- Whipstock. H. H. McVicar. 1,970,761; Aug. 21.
- Whipstock, Deep well. C. L. Walker. 1,951,638; Mar. 20.
- Whipping attachment for drink mixers. G. C. Hill. 1,949,047; Feb. 27.
- Whiskey, Aging and coloring. S. C. Miller. 1,981,873; Nov. 27.
- Whistle instrument. G. Van Hees. 1,954,688; Apr. 10.
- Whistle, Police. F. Wilcox. Des. 93,315; Sept. 11.
- Whites and a pure yellow in screened photographic pictures, Producing pure. F. H. Müller. 1,972,310; Sept. 4.
- Wick. P. Barger. 1,984,719; Dec. 18.
- Wick for oil burners. J. M. Weaver. 1,954,855; Apr. 17.
- Wick for thermally responsive elements. C. W. Sauerhoff. 1,984,946; Dec. 18.
- Wick oil burner. C. M. Breed. 1,966,282; July 10.
- Wick, Oil stove. F. A. Jefferson. 1,981,107; Nov. 20.
- Wick structure for wax lights and the like. F. P. Atkins. 1,974,037; Sept. 18.
- Winch. A. A. Johnson. 1,946,145; Feb. 6.
- Winch. F. Mitzen and F. J. Hoffman. 1,956,806; May 1.
- Winch construction. C. B. Curtiss. 1,952,658; Mar. 27.
- Winch for the operation of grabs, buckets, and the like. P. J. M. T. Allard. 1,971,126; Aug. 21.
- Wind deflector. E. J. Beisel. 1,948,642; Feb. 27.
- Wind deflector. G. S. Iskyan. 1,974,815; Sept. 25.
- Wind deflector. G. J. Lang. 1,968,948; Aug. 7.
- Wind direction controlled switch. C. E. Barge. 1,965,212; July 3.
- Wind direction recorder. R. R. Chappell, R. J. Streb, and W. G. Boettinger. 1,953,909; May 15.
- Wind indicator. W. M. Lanagan. 1,968,838; Aug. 7.
- Windmill. D. E. Davis. 1,964,456; June 26.
- Windmill. J. F. Ford. 1,964,347; June 26.
- Windmill. C. Frisch. 1,963,196; June 19.
- Windmill. A. A. Gray. 1,983,980; Dec. 11.
- Windmill driven generator. P. P. Reimers. 1,978,143; Oct. 23.
- Wind motor. H. Honnef. 1,963,912; June 19.
- Wind motor. J. A. Norton. 1,963,863; June 19.
- Wind-operated sign. L. Loewenstein. 1,945,649; Feb. 6.
- Windshield. G. A. Barker. 1,944,160; Jan. 23.
- Windshield. A. J. Cawley. 1,960,696; May 29.
- Windshield and window ventilator. B. P. Davis. 1,982,591; Nov. 27.
- Windshield cleaner. G. A. Barker. 1,982,624; Dec. 4.
- Windshield cleaner. W. M. Beckwith. 1,980,568; Nov. 13.
- Windshield cleaner. J. Besson. 1,946,009; Feb. 6.
- Windshield cleaner. H. Hueber. 1,964,401; June 26.
- Windshield cleaner. C. K. Knight. 1,980,590; Nov. 13.
- Windshield cleaner. J. S. Myers. 1,914,260; Jan. 23.
- Windshield cleaner. J. R. Oishel, H. Hueber, W. Paulus, and E. C. Horton. Re19,113; Mar. 13.
- Windshield cleaner. J. X. Phillips, jr. Re19,202; June 5.
- Windshield cleaner. E. Thibault. 1,953,731; Apr. 3.
- Windshield cleaner arm. W. Paulus. 1,942,661; Jan. 9.
- Windshield cleaner, Hydraulic. B. J. West. 1,973,939; Sept. 18.
- Windshield cleaner motor. H. Hueber. 1,973,482; Sept. 11.

- Windshield cleaner motor. D. N. Mussen. 1,969,092; Aug. 7.
- Windshield cleaner operated from the motor vehicle lubricating system. H. Hueber and E. C. Horton. 1,981,839; Nov. 20.
- Windshield cleaning device. P. Hauptman. 1,972,299; Sept. 4.
- Windshield clearing device. A. W. Becker. 1,949,098; Feb. 27.
- Windshield control. L. D. Myers. 1,966,993; July 17.
- Windshield control, Automobile. L. D. Myers. 1,974,783; Sept. 25.
- Windshield for automobiles. R. F. Anderson. 1,965,625; July 10.
- Windshield for automobiles. A. B. Beitman. 1,985,560; Dec. 25.
- Windshield for automobiles. E. L. Kraft. 1,966,983; July 17.
- Windshield for automobiles. E. L. Kraft. 1,969,851; Aug. 14.
- Windshield frame. A. T. Potter. 1,975,372; Oct. 2.
- Windshield frame construction. J. Ledwinks. 1,962,449; June 12.
- Windshield heater. R. J. Aune. 1,976,276; Oct. 9.
- Windshield heater. E. C. Horton and H. Hueber. 1,942,359; Jan. 2.
- Windshield heater. E. C. Horton and H. Hueber. 1,952,864; Mar. 27.
- Windshield heater. H. Hueber and E. C. Horton. 1,942,647; Jan. 9.
- Windshield heater. G. Y. Lauchin. 1,947,013; Feb. 13.
- Windshield heater. A. S. Paul. 1,983,485; Dec. 4.
- Windshield heater. J. A. Weaver. 1,968,111; July 31.
- Windshield heater. M. Zaiger. 1,970,482; Aug. 14.
- Windshield heater, Electric. E. C. Horton and H. Hueber. 1,952,865; Mar. 27.
- Windshield heating attachment. G. T. Sugden. 1,959,069; May 15.
- Windshield operating mechanism. A. T. Potter. 1,950,628; Mar. 13.
- Windshield operating mechanism. W. S. Pritchard. 1,964,482; June 26.
- Windshield regulator. N. F. Rund. 1,956,476; Apr. 24.
- Windshield, Side. J. P. Callahan. 1,980,976; Nov. 20.
- Windshield support. T. B. Nisbet. Re19,044; Jan. 9.
- Windshield warmer. A. D. Taggart. 1,941,765; Jan. 2.
- Windshield wiper clip. V. H. Christen. 1,943,652; Jan. 16.
- Windshields or the like, Device for heating. H. M. Gray. 1,942,057; Jan. 2.
- Windshields or the like, Mechanism for cleaning. A. P. C. Schramm. 1,973,886; Oct. 30.
- Wind signal. H. Tyler. 1,942,039; Jan. 2.
- Wind T locator. A. M. Wilhelm. 1,984,168; Dec. 11.
- Wind tunnel. E. N. Fales. 1,968,382; July 31.
- Winder. B. A. Peterson. 1,972,950; Sept. 11.
- Winder for sheet material. C. A. Fourness. 1,959,418; May 22.
- Winder shaft, Collapsible. F. E. Langdon. 1,981,556; Nov. 20.
- Winding and the like, Apparatus for. A. V. Livingston. 1,959,680; May 22.
- Winding apparatus. T. P. Duncan, Jr. 1,967,144; July 17.
- Winding apparatus. E. J. McIlvried. 1,946,802; Feb. 13.
- Winding device. I. L. Tenney. 1,979,354; Nov. 6.
- Winding device for watches. H. Colomb. 1,944,654; Jan. 23.
- Winding drum. M. L. Brock. 1,967,763; July 24.
- Winding drum for hand brakes. R. C. O'Connor. 1,976,267; Oct. 9.
- Winding, Electrical. H. L. Driftmeyer. 1,968,600; July 31.
- Winding machine. M. Allatt. 1,983,727; Dec. 11.
- Winding machine. D. G. Baker. 1,962,757; June 12.
- Winding machine. G. S. Beckman. 1,966,159; July 10.
- Winding machine. F. W. Bommer. 1,949,236; Feb. 27.
- Winding machine. R. L. Brunet, H. Bracewell, and F. A. Jenckes. 1,948,438; Feb. 20.
- Winding machine. J. A. Cameron. 1,984,784; Dec. 18.
- Winding machine. G. B. Cocker. 1,983,508; Dec. 4.
- Winding machine. L. M. Dallas. 1,977,668; Oct. 23.
- Winding machine. G. B. Dierking. 1,951,187; Mar. 13.
- Winding machine. A. D. Eitzen. 1,955,741; Apr. 24.
- Winding machine. C. Faure-Roux. 1,950,105; Mar. 6.
- Winding machine. O. P. Haegele and H. W. Larson. 1,970,934; Aug. 21.
- Winding machine. D. J. Kelman. 1,957,068; May 1.
- Winding machine. G. W. Kierspe. 1,979,227; Oct. 30.
- Winding machine. A. W. Le Boeuf. 1,970,462; Aug. 14.
- Winding machine. E. C. Lewis. 1,950,855; Mar. 13.
- Winding machine. C. W. Mansur. 1,970,536; Aug. 14.
- Winding machine. W. Marcroft. 1,972,662; Sept. 4.
- Winding machine. J. Nelson. 1,980,078; Nov. 6.
- Winding machine. E. F. Parks. 1,970,897; Aug. 21.
- Winding machine. N. Pedersen. 1,955,767; Apr. 24.
- Winding machine. A. E. Petersen and E. A. Jareckie. 1,964,076; June 26.
- Winding machine. A. L. Saltzman. 1,955,762-4; Apr. 24.
- Winding machine. H. Schweiter. 1,951,951; Mar. 20.
- Winding machine. C. R. Sibley. 1,982,933; Dec. 4.
- Winding machine. G. Sipp. 1,981,712; Nov. 20.
- Winding machine. G. Sipp. 1,955,100; Apr. 17.
- Winding machine. E. R. Swanson. 1,941,724; Jan. 2.
- Winding machine. E. R. Swanson. 1,955,778; Apr. 24.
- Winding machine. E. R. Swanson. 1,966,568; July 17.
- Winding machine. E. R. Swanson and W. Marcroft. 1,946,506; Feb. 13.
- Winding machine. G. N. Taylor. 1,980,113; Nov. 6.
- Winding machine. G. R. Urquhart. 1,963,523; June 19.
- Winding machine, Split drum. A. Laché. 1,985,175; Dec. 18.
- Winding machine with mechanical charging of bobbins. W. Reiners and G. Kahlisch. 1,970,188; Aug. 14.
- Winding means for spring motors. W. G. Beck. 1,942,505; Jan. 9.
- Winding mechanism. I. L. Tenney. 1,979,355; Nov. 6.
- Winding mechanism and speed control therefor. R. J. Powers and K. Baumert. 1,976,683; Oct. 9.
- Winding mechanism, Continuous. N. H. Nye. 1,978,474; Oct. 30.
- Winding mechanism for tea bag machines. H. Irmscher. 1,967,441; July 24.
- Winding mechanism for timepiece driving springs. G. L. Henry. 1,973,893; Sept. 18.
- Winding tubular or can cops, Device for. H. Schweiter. 1,964,221; June 26.
- Window. C. F. and H. G. Aberle. 1,975,187; Oct. 2.
- Window. L. A. Cadoret. 1,956,891; May 1.
- Window. E. P. Carl. 1,945,135; Jan. 30.
- Window. E. P. Carl. 1,954,797; Apr. 17.
- Window. N. Cherkasoff. 1,978,782; Oct. 30.
- Window. A. L. France. 1,970,298; Aug. 14.
- Window. C. L. Franklin. 1,975,933; Oct. 9.
- Window. S. W. Funk. 1,982,655; Dec. 4.
- Window. E. L. Gonder. 1,974,269; Sept. 18.
- Window. S. J. Leghart. 1,950,311; Mar. 6.
- Window. I. Loew. 1,985,877; Dec. 25.
- Window. J. B. Meyer and E. J. Groff. 1,956,649; May 1.
- Window. J. D. Patton. 1,981,752; Nov. 20.
- Window. J. D. Phillips. 1,982,351; Nov. 27.
- Window. T. J. Price, Jr. 1,956,774; Mar. 1.
- Window. G. Schuler. 1,977,975; Oct. 23.
- Window. W. T. Simpson and J. B. Bentley. 1,943,932; Jan. 16.
- Window. A. H. Weber. 1,970,210; Aug. 14.
- Window. E. W. Zimmerman. 1,948,152-3; Feb. 20.
- Window, Adjustable louver. J. Waddell and F. A. Huet. 1,960,763; May 29.
- Window and door adjusting and holding mechanism. J. G. Shodron, J. E. Olson, and C. S. Wandschneider. 1,941,762; Jan. 2.
- Window assembly frame, Self contained. O. M. Edwards and R. T. Axe. 1,959,908; May 22.
- Window attachment. J. F. McDaniel. 1,945,748; Feb. 6.
- Window attachment. E. Mussbach. 1,979,808; Nov. 6.
- Window attraction, Aquatic. H. J. Barker. 1,976,762; Oct. 16.
- Window, Automatically opening and closing. W. S. Ing. 1,949,793; Mar. 6.
- Window, Awning type. E. F. Wiley. 1,959,941; May 22.
- Window back rest. L. Appugliese. 1,942,233; Jan. 2.
- Window balancing device. W. Young. 1,942,320; Jan. 2.
- Window box or similar device. R. R. Kintz. 1,956,389; Apr. 24.
- Window bracket. G. B. Baker. 1,979,853; Nov. 6.
- Window bracket. W. H. Schmitt. 1,942,665; Jan. 9.
- Window bracket, Storm and screen. W. H. Schmitt. 1,967,595; July 24.
- Window, Car. R. E. Miller. 1,965,902; July 10.
- Window, Casement. D. R. Canny. 1,969,715; Aug. 14.
- Window casing with removable panel. H. A. Felsing. 1,950,881; Mar. 13.
- Window channel. J. S. Reid. 1,978,325; Oct. 23.
- Window channel. C. P. Schlegel. 1,958,115; May 8.
- Window channel. C. P. Schlegel. 1,978,438; Oct. 30.
- Window channel. C. P. Schlegel. 1,982,074; Nov. 27.
- Window channel. C. P. Schlegel. 1,985,624; Dec. 25.
- Window cleaner. C. F. Stich. 1,952,477; Mar. 27.
- Window cleaning apparatus. I. Goldsmith. 1,984,370; Dec. 18.
- Window cleaning implement. L. Koukal. 1,977,483; Oct. 16.
- Window construction. E. Brust. 1,942,200; Jan. 2.
- Window construction. J. S. Burrell. 1,953,743; Apr. 3.
- Window construction. A. Ghittino and J. Popkin. 1,963,989; June 26.
- Window construction. N. L. Goldberg. 1,972,556; Sept. 4.
- Window construction. C. E. Julin. 1,980,275; Nov. 13.
- Window construction. P. E. Minchakievich. 1,983,299; Dec. 4.
- Window construction. S. P. Neuhausen. 1,949,257; Feb. 27.
- Window construction. F. J. Plym. 1,959,643; May 22.
- Window construction. F. J. Plym. 1,960,920; May 29.
- Window construction. F. J. Plym and I. G. Barclay. 1,981,192; Nov. 20.
- Window construction. J. Popkin. 1,955,767; Apr. 24.
- Window construction. D. E. Ross. 1,948,678; Feb. 27.
- Window construction. E. D. Ross. 1,948,596; Feb. 27.
- Window construction. S. Terrasi. 1,962,535; June 12.
- Window construction, Bus or car. S. E. Blessin. 1,976,766; Oct. 16.
- Window construction, Bus or car. T. G. Conway. 1,962,809; June 12.
- Window construction, Bus or car. T. G. Conway, S. E. Blessin, and J. Schunk. 1,976,773; Oct. 16.
- Window construction, Bus or car. J. Schunk. 1,976,808-9; Oct. 16.
- Window construction, Metallic. J. E. Dennis. 1,968,247; July 31.

- Window construction, Pivotal. G. D. and D. D. Wiersma. 1,970,351; Aug. 14.
- Window construction (widthwise adjustable guide). R. T. Axe. 1,974,637; Sept. 25.
- Window control, Automatic. F. H. Rowe. 1,982,353; Nov. 27.
- Window control mechanism. J. H. Roethel. 1,974,196; Sept. 18.
- Window, Detachable. F. Paulsen. 1,950,949; Mar. 13.
- Window, Detention. L. Bayley. 1,948,160; Feb. 20.
- Window, Detention. L. Bayley and R. L. Clingerman. 1,948,159; Feb. 20.
- Window device. J. B. Clay and W. O. Wille. 1,945,881; Feb. 6.
- Window device. J. B. Clay and W. O. Wille. 1,972,845; Sept. 4.
- Window device. J. B. Clay and W. O. Wille. 1,975,825; Oct. 9.
- Window device. H. and A. Spath. 1,984,660; Dec. 18.
- Window display device. F. E. Everson. 1,980,977; Nov. 20.
- Window display fixture. W. K. Roth. 1,957,475; May 8.
- Window dressing. S. H. Terrel. 1,970,256; Aug. 14.
- Window fastener. A. T. Brennan. 1,969,776; Aug. 14.
- Window fixture. A. C. Lenander. 1,969,515; Aug. 7.
- Window fixture. F. H. Naftzger. 1,945,356; Jan. 30.
- Window for motor cars, Ventilating. A. P. Fergusson. 1,985,538; Dec. 25.
- Window forming machine. C. H. Jäger. 1,969,610; Aug. 7.
- Window frame. H. S. Richards. 1,958,680; May 15.
- Window frame construction. S. Madsen. 1,947,094; Feb. 13.
- Window frame construction. B. Wilson. 1,965,165; July 3.
- Window frame for convertible bodies. J. H. Roethel. 1,974,894; Sept. 25.
- Window glass channel. D. C. Bailey. 1,955,729; Apr. 24.
- Window guard. B. C. Crandall. 1,954,559; Apr. 10.
- Window, Heat-absorbing. W. Linke. 1,957,279; May 1.
- Window installation. C. W. Siegwarth. 1,950,822; Mar. 13.
- Window jack. L. L. Smith. 1,957,184; May 1.
- Window lock. L. N. Hoffman. 1,950,176; Mar. 6.
- Window lock. C. J. Rateike. 1,960,509; May 29.
- Window lock. F. D. Reynolds. 1,976,579; Oct. 9.
- Window lock. M. L. Stewart. 1,960,034; May 22.
- Window lock and burglar alarm signal. H. D. Winsett. 1,959,253; May 15.
- Window lock fastener. S. Segal. 1,942,219; Jan. 2.
- Window, Metal. G. A. Robbins. 1,970,195; Aug. 14.
- Window opening and closing device. L. E. Werner. 1,946,050; Feb. 6.
- Window operating device. A. Straker. 1,983,054; Dec. 4.
- Window operating mechanism. H. E. Fuller. 1,966,815; July 17.
- Window operator. L. V. Crawford and D. A. Apple. 1,963,227; June 19.
- Window operator. J. A. Jepsen. 1,963,790; June 19.
- Window operator, Casement. E. T. Stewart. 1,983,152; Dec. 4.
- Window operator, Casement. W. W. Watson. 1,971,360; Aug. 28.
- Window or door frame. H. A. Ripley. 1,950,519; Mar. 13.
- Window or the like. F. Mulk. 1,976,888; Oct. 16.
- Window post and guide construction. R. T. Axe. 1,980,313; Nov. 13.
- Window raising and lowering device. G. W. Farley and R. M. Hansen. 1,951,401; Mar. 20.
- Window regulator. E. L. Ackerman. 1,943,358; Jan. 16.
- Window regulator. B. S. Floraday. 1,962,115; June 12.
- Window regulator. B. S. Floraday. 1,985,655; Dec. 25.
- Window regulator. E. N. Jacobl. 1,951,419; Mar. 20.
- Window regulator. S. W. Nicholson. 1,945,821; Feb. 6.
- Window regulator. S. W. Nicholson. 1,954,221; Apr. 10.
- Window regulator. S. W. Nicholson. 1,961,507; June 5.
- Window regulator. J. H. Roethel. Re19,365; Nov. 6.
- Window regulator. J. H. Roethel. 1,980,501; Nov. 13.
- Window regulator attachment. H. C. Field. 1,975,317; Oct. 2.
- Window, Reversible. E. H. Panter. 1,982,753; Dec. 4.
- Window runway or channel. J. S. Reid. 1,978,327; Oct. 23.
- Window runway or channel. J. S. Reid. 1,978,911; Oct. 30.
- Window, Sash. G. L. Johnson. 1,952,438; Mar. 27.
- Window sash hanger, Metal. D. Helmer. 1,959,287; May 15.
- Window sash holder. O. F. Baughman and F. G. Mason. 1,974,946; Sept. 25.
- Window screen. W. Eberhardt. 1,952,704; Mar. 27.
- Window screen. G. O. Gabriel. 1,948,262; Feb. 20.
- Window screen. E. Helfmann. 1,971,451; Aug. 28.
- Window screen. C. T. Jones. 1,981,319; Nov. 20.
- Window screen. C. P. Kegley. 1,950,730; Mar. 13.
- Window screen. T. F. Menze and N. Lund. 1,951,289; Mar. 13.
- Window screen. K. I. Miller. 1,959,136; May 15.
- Window screen. L. Renzetti. 1,942,308; Jan. 2.
- Window screen. L. G. Simpson. 1,972,539; Sept. 4.
- Window screen. M. Svalland. 1,960,322; May 29.
- Window screen. L. T. Ward. 1,968,510; July 31.
- Window screen. L. T. Ward. 1,975,739; Oct. 2.
- Window screen. H. S. Williams. 1,977,165; Oct. 16.
- Window screen. A. P. Zeller. 1,985,270; Dec. 25.
- Window screen, Automobile. K. I. Miller. 1,959,137; May 15.
- Window screen, Car. T. T. Sansbury. 1,982,455; Nov. 27.
- Window screen frame. J. E. Johnson. 1,948,383; Feb. 20.
- Window seat. F. Kloboučník. 1,945,113; Jan. 30.
- Window seat. W. J. Werner. 1,962,976; June 12.
- Window shade bracket. J. F. Haelele. 1,985,567; Dec. 25.
- Window shielding device. W. B. Arnold. 1,974,003; Sept. 18.
- Window, Show. H. M. Schwartz. 1,943,629; Jan. 16.
- Window shutter. C. F. Bierbach. 1,950,218; Mar. 6.
- Window, Sliding. S. Bildstein. 1,974,893; Sept. 25.
- Window, Sliding. K. Braun. 1,960,473; May 29.
- Window, Sliding. H. D. Rohman and G. Ashworth. 1,962,328; June 12.
- Window, Sliding. H. A. Scopettone. 1,950,012; Mar. 6.
- Window, Sliding and swinging. E. Schneider and K. Neukert. 1,964,483; June 26.
- Window stop fastener. E. Lemieux. 1,958,950; May 15.
- Window structure. E. N. Edwards. 1,963,839; June 19.
- Window, Vehicle body. M. H. Toncray. 1,977,599; Oct. 16.
- Window ventilator. E. C. Claus. 1,958,695; May 15.
- Window ventilator. J. J., jr., and E. Gaughran. 1,967,504; July 24.
- Window ventilator. T. Johnson. 1,958,342; May 8.
- Window ventilator. L. O. Stewart. 1,952,103; Mar. 27.
- Window washer. J. B. Kirby. 1,982,345; Nov. 27.
- Window washer's seat. H. J. Lehman. 1,963,796; June 19.
- Windowed merchandise container. C. A. L. Stephens. 1,945,792; Feb. 6.
- Window adapter. L. H. Thoen. 1,943,565; Jan. 16.
- Windower. R. C. Livesay. 1,959,432; May 22.
- Windower for harvester-threshers. Straw. A. C. Lindgren and C. B. Raney. 1,946,655-6; Feb. 13.
- Windower for harvester-threshers. Straw. A. B. Welty. 1,946,654; Feb. 13.
- Wine, Producing. A. G. Vingerhoets. 1,957,375; May 1.
- Wing and landing gear, Retractable. N. J. Medvedeff. 1,958,486; May 15.
- Wing for aircraft, Cantilever. B. N. Wallis. 1,967,795; July 24.
- Wing or mudguard for motor vehicles, cycles, and the like, Flexible or indestructible. A. W. Ray. 1,959,037; May 15.
- Wing structure. G. M. Bellanca. 1,965,790; July 10.
- Wing structure. G. M. Bellanca. 1,969,200; Aug. 7.
- Wing structure. G. M. Bellanca. 1,982,242; Nov. 27.
- Wing structure. E. B. Carns. 1,956,823; May 1.
- Wings and blades for helicopter and propeller screws, Automatically adjustable. R. Chillingworth. 1,954,862; Apr. 17.
- Wings controlled by an automatic rudder, System of rotating. G. Serragli. 1,967,329; July 24.
- Wings for aircraft. Construction of. B. N. Wallis. 1,985,649; Dec. 25.
- Wiper and closure therefor, Oil depth gauge-rod. C. M. Dolbier. 1,947,833; Feb. 20.
- Wiper and drier, Razor blade. F. J. Troll. 1,983,011; Dec. 4.
- Wiper and heater, Combined windshield. F. P. Cartwright. 1,950,254; Nov. 13.
- Wiper and sleet and snow remover, Combined windshield. J. M. Dirienzo. 1,953,703; Apr. 3.
- Wiper arm and mounting. H. Hueber. 1,952,866; Mar. 27.
- Wiper blade. E. C. Horton and H. Hueber. 1,978,633; Oct. 30.
- Wiper blade, Windshield. F. Browett. 1,947,185; Feb. 13.
- Wiper carrying arm. E. C. Horton and H. Hueber. 1,973,481; Sept. 11.
- Wiper, Filter screen. M. F. Moran. 1,959,491; May 22.
- Wiper for automobiles and the like, Windscreen. C. B. Baggs. 1,985,071; Dec. 18.
- Wiper for gauge rods. J. E. Zihlman. 1,951,079; Mar. 13.
- Wiper, Gauge stick. J. S. Benroth. 1,985,334; Dec. 25.
- Wiper or the like, Windshield. J. W. Anderson. 1,950,588; Mar. 13.
- Wiper, Razor blade preserving. P. H. Horwitt. 1,967,937; July 24.
- Wiper, Windshield. J. W. Anderson. 1,971,893; Aug. 28.
- Wiper, Windshield. J. W. Anderson. 1,973,366; Sept. 11.
- Wiper, Windshield. M. De Gregorio. 1,970,497; Aug. 14.
- Wiper, Windshield. W. R. Kunz. 1,977,188; Oct. 16.
- Wiper, Windshield. R. N. Rose and H. G. Stehl. 1,953,635; Apr. 3.
- Wiper, Windshield. E. F. Sandman. 1,947,803; Feb. 20.
- Wiper, Windshield. C. M. Van Auker. 1,946,119; Feb. 6.
- Wiper, Windshield. M. and L. Zaiger. 1,944,051; Jan. 16.
- Wiper, Window. P. St. J. Hilton. 1,973,071; Sept. 11.
- Wiper, Window shield. A. Pisacano. 1,942,184; Jan. 2.
- Wiping and polishing mechanism for steel plate printing machines. F. C. Marquardt. 1,970,809; Aug. 21.
- Wire and making the same, Heat resisting fixture. A. P. Hinsky. 1,955,424; Apr. 17.
- Wire and making the same, Insulated. R. R. Evans. 1,982,288; Nov. 27.
- Wire and producing same, Woven. E. D. Reynolds. 1,942,451; Jan. 9.
- Wire, Apparatus for coating. C. B. Fantone and R. M. Jameson. 1,943,818; Jan. 16.
- Wire, Apparatus for coating. R. E. Kinkead. 1,952,502; Mar. 27.

- Wire, Apparatus for handling. F. H. Nullmeyer. 1,956,398; Apr. 24.
- Wire, Apparatus for insulating and wrapping tire bead. H. A. Denmire. 1,947,974; Feb. 20.
- Wire, Apparatus for liming. C. D. Johnson. 1,978,050; Oct. 23.
- Wire, Apparatus for severing fine. W. Wilson. 1,954,970; Apr. 17.
- Wire bale-tie. G. E. Gaus. 1,961,418; June 5.
- Wire, Baling. K. S. Sidel. 1,957,676; May 8.
- Wire bending appliance. R. Dillingham. 1,956,756; May 1.
- Wire bending machine. D. M. Dunwoodie. 1,960,732; May 29.
- Wire binding machine. C. Rasch. 1,974,893; Sept. 25.
- Wire binding, Method of. J. A. Bent. 1,982,630; Dec. 4.
- Wire carrying base. G. A. Knapp. 1,963,662; June 19.
- Wire clamp. G. B. Benander. 1,968,596; July 31.
- Wire clamp. H. W. Bodendieck. 1,984,566; Dec. 18.
- Wire clamp. R. Utiger. 1,968,060; July 31.
- Wire clamp, Self-binding. C. H. Sumenius. 1,984,241; Dec. 11.
- Wire clamping and twisting device. E. N. Miller. 1,966,018; July 10.
- Wire, Coated ferrous welding. H. R. Pennington. 1,972,066; Aug. 28.
- Wire, Coating. C. D. Johnson. 1,961,667; June 5.
- Wire coating machine. W. H. Convers. 1,957,942; May 8.
- Wire coating machine. O. F. Freeland. 1,945,851; Feb. 6.
- Wire coil. J. J. Vienneau. 1,970,406; Aug. 14.
- Wire, Compound. C. Dietz and J. O. Whiteley. 1,962,859; June 12.
- Wire connector. J. Blackburn and J. A. Weaver, jr. 1,981,685; Nov. 20.
- Wire connector. F. F. Gateka. 1,953,709; Apr. 3.
- Wire connector. F. C. Maloney. 1,955,005; Apr. 17.
- Wire connector. C. E. Wellman. 1,975,885; Oct. 9.
- Wire connector, Frictional. J. Blackburn. 1,950,964; Mar. 13.
- Wire connector, Frictional. J. Blackburn. 1,964,448; June 26.
- Wire connector means. W. C. Burnham. 1,943,514; Jan. 16.
- Wire connecting device. H. E. Miller. 1,946,752; Feb. 13.
- Wire container. J. W. Cook. 1,952,056; Mar. 27.
- Wire cutting machine, Coiled. C. J. Keller. 1,975,155; Oct. 2.
- Wire, Drawing. A. J. Anselm. 1,948,485; Feb. 27.
- Wire, Drawing. D. D. Buchanan. 1,972,473; Sept. 4.
- Wire drawing apparatus. E. J. McIlvried and J. C. Bittman. 1,966,305; July 10.
- Wire-drawing apparatus, Continuous. C. D. Johnson. 1,948,664; Feb. 27.
- Wire drawing die. P. G. Sutherland. 1,954,961; Apr. 17.
- Wire drawing machine. R. C. Breuer. 1,951,722; Mar. 20.
- Wire drawing machine. W. Rohm. 1,976,247; Oct. 9.
- Wire-drawing machine. C. E. Traxel. 1,945,339; Jan. 30.
- Wire drawing mechanism. E. J. McIlvried. 1,950,901; Mar. 13.
- Wire drawing method. F. C. Elder. 1,963,298; June 19.
- Wire, Electric fish. J. T. Scott. 1,946,037; Feb. 6.
- Wire fabric, Chain link. A. A. G. Land. 1,943,447; Jan. 16.
- Wire fabric machine, Semirotary. W. A. Kilmer. 1,963,305; June 19.
- Wire fabric, Resilient tensioning. A. A. G. Land. 1,943,445; Jan. 16.
- Wire fabric, Transverse expanding. A. A. G. Land. 1,943,446; Jan. 16.
- Wire fastening device, Electric. L. R. Pritchett. 1,976,371; Oct. 9.
- Wire grip. J. P. Whalan and L. T. Harkness. 1,942,625; Jan. 9.
- Wire guide for tilting insulators. S. C. Killian. 1,984,881; Dec. 18.
- Wire, Handling. F. H. Nullmeyer. 1,956,399; Apr. 24.
- Wire ignition plug, Incandescent. G. Werner and K. Kleinert. 1,976,466; Oct. 9.
- Wire into lengths, Apparatus for cutting. K. Setoguchi and M. Sakurai. 1,942,069; Jan. 2.
- Wire leads to commutator segments, Welding. V. G. Apple. 1,954,341; Apr. 10.
- Wire line clamp. W. M. Hanlon. 1,978,261; Oct. 23.
- Wire, Manufacture of. J. Gassen. 1,977,989; Oct. 23.
- Wire mesh, Making. F. W. Preston. 1,974,750; Sept. 25.
- Wire mesh material, Making electrically welded. R. J. Southwell. 1,961,991; June 5.
- Wire, Method and apparatus for drawing. H. S. Worthington. 1,963,456; June 19.
- Wire netting Reinforced. J. Bölgel. 1,947,754; Feb. 20.
- Wire on rotary drums, Apparatus for winding. J. F. Diehl. 1,970,995; Aug. 21.
- Wire or strip blanking machine. T. Hanson. 1,963,491; June 19.
- Wire, Pile. M. B. Behrman. 1,979,438; Nov. 6.
- Wire, Pile. T. G. McGirr. 1,951,736; Mar. 20.
- Wire-polishing apparatus. C. D. Johnson. 1,951,548; Mar. 20.
- Wire, Process of and apparatus for coating. C. D. Johnson. 1,968,687; July 31.
- Wire pushing and pulling tool. T. Mistelski. 1,959,490; May 22.
- Wire rack. A. Biescar. 1,959,454; May 22.
- Wire, Ready-to-solder. G. Tompkins. 1,980,890; Nov. 13.
- Wire reel. J. H. Cohen. 1,943,913; Jan. 16.
- Wire reeler. A. T. Kaufman. 1,961,668; June 5.
- Wire rope, Apparatus for lubricating. H. G. Kinder. 1,969,563; Aug. 7.
- Wire sealing machine. W. King. 1,984,882; Dec. 18.
- Wire splicer. L. E. Krosman. 1,969,616; Aug. 7.
- Wire splicing machine. C. L. Van Inwagen, jr. 1,982,844; Dec. 4.
- Wire splicing machine. C. L. Van Inwagen, jr., and O. A. Mesch. 1,978,164; Oct. 23.
- Wire splicing tool. L. O'Russa. 1,963,144; June 19.
- Wire splicing tool. L. O'Russa. 1,966,593; July 17.
- Wire spool holder. J. G. Roehm. 1,949,378; Feb. 27.
- Wire spring. G. G. Powers. 1,963,053-5; June 12.
- Wire spring fabric. C. J. Elder. 1,941,882; Jan. 2.
- Wire stitching machine. G. H. Harred. Des. 92,804; July 17.
- Wire-stitching machine. H. T. McClure. 1,983,384; Dec. 4.
- Wire stitching machine for stitching corrugated cardboard cartons or the like. O. Kleinschmidt. 1,976,285; Oct. 9.
- Wire stitching or stapling machine. O. Kleinschmidt and K. Kugler. 1,982,743; Dec. 4.
- Wire straightening. K. W. Hallden. 1,954,525; Apr. 10.
- Wire stripping tool. V. Nixon. 1,957,722; May 8.
- Wire structures, Electrically severing stranded. G. C. Burd. 1,984,783; Dec. 18.
- Wire support. G. B. Gordon and H. A. C. Dahl. 1,964,849; July 3.
- Wire support. E. L. Klingel. 1,954,592; Apr. 10.
- Wire terminating set, Four. W. N. Roseway. 1,951,883; Mar. 20.
- Wire tie. F. I. Louckes. 1,975,110; Oct. 2.
- Wire tightener. E. R. Ferguson. 1,977,509; Oct. 16.
- Wire tightener or puller. D. H. Hayden. 1,968,830; Aug. 7.
- Wire to clothespins, Mechanism for applying reenforcing. J. R. Nolan. 1,943,452; Jan. 16.
- Wire to wire working machines, Automatic means controlling feed of. K. D. Steadley. 1,952,782; Mar. 27.
- Wire, Twisting. C. K. Hill. 1,964,989; July 3.
- Wire twisting apparatus. W. S. McDaniel. 1,970,895; Aug. 21.
- Wire twisting device, Binding. G. L. Colbie. 1,955,409; Apr. 17.
- Wire tying machine. H. W. Cox. 1,956,234; Apr. 24.
- Wire tying machine. I. B. Wright. 1,973,401; Sept. 11.
- Wire tying machine. P. Wright. 1,970,589; Aug. 21.
- Wire tying machine and method. I. H. Spoor. 1,971,021; Aug. 21.
- Wire tying machine, Package. W. E. Williams. 1,970,441; Aug. 14.
- Wire wheel. C. L. Eksergian. 1,963,230; June 19.
- Wire wheels, Making. J. P. Tarbox. 1,969,108; Aug. 7.
- Wire, Wreath hoop. C. Krausen. 1,958,827; May 13.
- Wireless system. K. Wilde. 1,956,368; Apr. 24.
- Wireless receiver. H. C. Atkins. 1,956,705; May 1.
- Wireless receiver. H. C. Atkins. 1,976,001; Oct. 9.
- Wireless receiving device. J. W. Alexander. 1,978,661; Oct. 30.
- Wireless receiving system. A. Mavrogenis. 1,958,150; May 8.
- Wireless receiving system. H. H. Schotanus à Steringa Idzerda. 1,973,534; Oct. 30.
- Wireless system. W. T. Lewis. 1,972,387; Sept. 4.
- Wireless transmission, Device for removing disturbances in. W. Daya. 1,985,241; Dec. 25.
- Wireless transmission of telegraph impulses. D. Thierbach. 1,942,580; Jan. 9.
- Wireless transmission system. S. Salto. 1,974,545; Sept. 25.
- Wires and the like, Coloring and coating. N. C. Lamont. 1,944,823; Jan. 23.
- Wires, Apparatus for feeding. G. Illingworth. 1,958,243; May 8.
- Wires in glass, Molding. C. G. Eden and C. J. Smithells. 1,965,408; July 3.
- Wires into vitreous envelopes, Sealing. C. G. Eden. 1,955,058; Apr. 17.
- Wires, Method and machine for bunching lead. J. Stuart. 2d. 1,958,870; May 15.
- Wires secured to wire-bound boxes and the like, Method and machine for forming and tying loops in the ends of. G. N. Williams. 1,951,892; Mar. 20.
- Wires, threads, and filaments with rubber compositions, Covering. F. H. Lane, E. W. Madge, and E. A. Murphy. 1,983,764; Dec. 11.
- Wiring duct, Multiple passage. G. A. Lutz. 1,979,804; Nov. 6.
- Wiring strip, Method and machine for making. L. Kalischer. 1,954,414; Apr. 10.
- Wiring system for electric ovens. R. S. Heise. 1,943,310; Jan. 16.
- Wood and graining same, Grained. C. J. Fess. 1,971,067; Aug. 21.
- Wood, Apparatus for defiberizing. G. H. Ellis. 1,979,373; Nov. 6.
- Wood barking machine. J. Gruber. 1,942,095; Jan. 2.
- Wood cellulose comparable to cotton with high tenor of alkali resisting cellulose, Producing. F. C. and F. Palazzo. 1,981,323; Nov. 20.
- Wood chipping machine. C. Wigger and R. Bomcke. 1,942,675; Jan. 9.
- Wood, fiber board, wood-pulp, wood-fiber, and the like, Treatment of. E. E. M. Payne. 1,942,977; Jan. 9.
- Wood filler. J. F. Walsh. 1,947,438; Feb. 13.
- Wood, Finishing. F. Tuchfarber. 1,972,502; Sept. 4.

- Wood for protecting the same from bluing, Treating. J. T. Olsson. 1,965,508; July 3.
- Wood grinding machine. A. N. Russell and J. D. Robb. 1,948,189; Feb. 20.
- Wood heel turning machine gauge. R. Knapp. 1,956,801; May 1.
- Wood, Impregnating. C. Schmittz. 1,973,394; Sept. 11.
- Wood in the manufacture of plywood, Gluing. P. Behnke. 1,950,651; Mar. 13.
- Wood, Method of and machine for producing bundled small. G. Schapiro. 1,985,462; Dec. 25.
- Wood or other fibrous material, Preparation or reduction of. R. B. Respess. 1,976,297; Oct. 9.
- Wood, Preservation of. L. P. Curtin and W. Thordarson. 1,984,254; Dec. 11.
- Wood preservative. R. T. Goodwin, J. S. Rearick, and H. P. Ferguson. 1,976,221; Oct. 9.
- Wood preserving. H. W. Walker. 1,948,551; Feb. 27.
- Wood, Producing artificial. S. Schless. 1,966,997; July 17.
- Wood pulp and grinding stone therefor, Manufacture of ground. F. S. Farley. 1,975,452; Oct. 2.
- Wood pulp, Apparatus for bleaching chemical. D. B. Davies. 1,953,076; Apr. 3.
- Wood sawing machine. M. Kassay. 1,947,397; Feb. 13.
- Wood sawing machinery. A. and J. March. 1,952,270; Mar. 27.
- Wood, Shrinking. A. G. Olsen. 1,981,567; Nov. 20.
- Wood, Treating. L. B. Decker. 1,975,255; Oct. 2.
- Wood treating tool. R. R. Poux. 1,966,518; July 17.
- Wood treatment and product. G. J. Esselen. 1,952,664; Mar. 27.
- Wood veneer, Manufacture of dried. J. Helffrich. 1,969,712; Aug. 7.
- Woodworking clamp. T. S. Haynes. 1,957,709; May 8.
- Woodworking machine. L. F. Dettenborn. Re19,315; Sept. 18.
- Woodworking machine. L. F. Dettenborn. 1,955,951; Apr. 24.
- Woodworking machine. O. P. M. and W. C. Goss. 1,973,757; Sept. 18.
- Woodworking machine. G. T. Johnson. 1,972,145; Sept. 4.
- Woodworking machine. F. Schimmel. 1,958,719; May 15.
- Woodworking tool. A. M. Dunn. Des. 93,763; Nov. 6.
- Woods and the like, Treating sweet-gum. T. H. Sampson. 1,953,193; Apr. 3.
- Wool bale and like ties, Apparatus for effecting the tying of. R. W. Montén. 1,950,928; Mar. 13.
- Wool, Carbonization of. H. D. and W. W. Gordon. 1,984,794; Dec. 18.
- Wool, Process relating to the dyeing of. A. Landolt. 1,958,307; May 8.
- Word printing mechanism. J. W. Bryce. 1,981,987; Nov. 27.
- Workbench. W. A. Adams. 1,963,947-8; June 26.
- Workbox. P. J. De Castro-Barberena. 1,952,537; Mar. 27.
- Work carrier. H. A. Foothorap. 1,950,402; Mar. 13.
- Work clamping means. R. F. Whitney and F. D. Clement. 1,981,936; Nov. 27.
- Work-clamping mechanism for angle milling machines. E. H. Wilson. 1,960,884; May 29.
- Work engaging device for screw machines and the like. G. Laughlin. 1,958,828; May 15.
- Work feed assembly. G. F. Yager. 1,971,889; Aug. 28.
- Work feed, Centerless. H. Isler. 1,948,113; Feb. 20.
- Work feed control for locating staples in wirebound boxes. G. L. Colbie. 1,944,494; Jan. 23.
- Work feeding device. A. A. Rickert. 1,978,060; Oct. 23.
- Work feeding means. H. A. Foothorap. 1,963,232; June 19.
- Work feeding mechanism. H. E. Dickerman. 1,968,479; July 31.
- Work feeding mechanism. R. L. Hartwell. 1,960,537; May 29.
- Work guide. H. Davis. 1,980,168; Nov. 13.
- Work guide. H. E. Tautz. 1,947,885; Feb. 20.
- Work-handling mechanism for machine tools. E. R. Smith and A. Schinkez. 1,950,040; Mar. 6.
- Workholder. M. W. Howard. 1,962,243; June 12.
- Workholder. D. A. Scarnegie. 1,944,304; Jan. 23.
- Workholder. D. A. Scarnegie. 1,974,511; Sept. 25.
- Workholder. W. O. Thewes. 1,973,232; Sept. 11.
- Workholder. J. R. Tillman. 1,947,957; Feb. 20.
- Work holder for lens blanks. O. G. Haussmann. 1,969,219; Aug. 7.
- Work holding and feeding mechanism. F. L. Cone. 1,979,366; Nov. 6.
- Work holding and positioning device. R. Stempelin. 1,980,106; Nov. 6.
- Work holding device. K. Janiszewski. 1,951,869; Mar. 20.
- Work holding mechanism. F. L. Cone. 1,979,367; Nov. 6.
- Workholding mechanism for machining operations. R. M. Lovejoy. 1,962,567; June 12.
- Work of art and making the same. L. Mian. 1,971,014; Aug. 21.
- Work pieces, Apparatus for handling. B. P. Schiltz. 1,955,775; Apr. 24.
- Workpieces, Device for measuring. R. Geh. 1,949,795; Mar. 6.
- Work positioning means. A. H. Narrow. 1,942,873; Jan. 9.
- Work-positioning means. J. F. Standish. 1,947,744; Feb. 20.
- Work support. F. N. La Chapelle. 1,953,081; Apr. 3.
- Work-supporting and attaching means. F. W. Homan. 1,956,684; May 1.
- Work-supporting and attaching means. J. M. Whelton. 1,956,815; May 1.
- Work supporting and guarding means. E. Sommer. 1,942,128; Jan. 2.
- Work supporting fixture. D. R. Hall. 1,982,804; Dec. 4.
- Work surfaces, Turning and grinding round. C. H. Norton. 1,949,515; Mar. 6.
- Worktable. H. Perlesz. 1,979,901; Nov. 6.
- Worm cutting machine. E. W. Miller. 1,948,530; Feb. 27.
- Worm gearing. J. J. Robak. 1,966,358; July 10.
- Worms, Cutting. C. H. Schurr. 1,960,460; May 29.
- Wound treating material. K. A. Hofmann. 1,942,061; Jan. 2.
- Wound treatment. E. I. McKesson. 1,955,140; Apr. 17.
- Wounds, Means for drawing and holding. G. W. Spicer. 1,969,188; Aug. 7.
- Woven web material and the product resulting therefrom, Manufacturing. R. W. Springer. 1,970,633; Aug. 21.
- Woven wire tube. E. E. Kellems. 1,966,929; July 17.
- Wrap bending machine, Tight. W. E. Kane. 1,945,693; Feb. 6.
- Wrapper. E. H. Angier. 1,967,700; July 24.
- Wrapper. A. G. S. Lindgren. 1,945,648; Feb. 6.
- Wrapper. S. Rosen. 1,983,813; Dec. 11.
- Wrapper and package therewith, Package formed. L. M. Sawin. 1,947,618; Feb. 20.
- Wrapper, Bottle. A. F. Hoffman and H. E. Rue. 1,951,019; Mar. 13.
- Wrapper, Bottle. J. E. Kieffer. 1,958,540; May 15.
- Wrapper, Composite paper. J. W. Clark. 1,963,118; June 19.
- Wrapper feeding mechanism. E. L. Smith and W. Hoppe. 1,953,196; Apr. 3.
- Wrapper filling and sealing machine. L. A. Becker. 1,961,126; June 5.
- Wrapper, Food. A. Kulander. Des. 92,257-9; May 15.
- Wrapper for cigarette packages and the like. G. F. Heath. 1,957,777; May 8.
- Wrapper for neckties. D. T. Trestrail. 1,945,099; Jan. 30.
- Wrapper for permanent waving of hair. D. Lakenbach. 1,957,049; May 1.
- Wrapper for piece goods. B. Goldman. 1,968,760; July 31.
- Wrapper for pies. C. J. Westin and W. G. Sperr. 1,956,914; May 1.
- Wrapper for rugs or the like. F. H. Sherman. 1,973,114; Sept. 11.
- Wrapper for use in hair waving processes. W. H. Joyce. 1,981,362; Nov. 20.
- Wrapper or bag, Garment. C. W. Jones. 1,971,107; Aug. 21.
- Wrapper or package. R. A. Hayward. 1,977,060; Oct. 16.
- Wrapper, Package. R. F. Wall. 1,970,349; Aug. 14.
- Wrapper with built-in receptacle, Mailing. M. M. Heyman. 1,943,074; Jan. 9.
- Wrappers around tablets, Apparatus for folding. F. Grover. 1,955,493; Apr. 17.
- Wrappers from webs and feeding said wrappers to package-making machines, Apparatus for severing. A. G. Rose. 1,951,844; Mar. 20.
- Wrappers, Mechanism for twisting the ends of. A. G. Rose. 1,984,894; Dec. 18.
- Wrapping and slicing machine, Combined. C. Littlefield. 1,966,180; July 10.
- Wrapping machine. F. R. Clark. 1,968,190; July 31.
- Wrapping machine. F. B. Fuller. 1,961,661; June 5.
- Wrapping machine. S. R. Howard and A. C. Everett. 1,955,331; Apr. 17.
- Wrapping machine. G. D. Ratliff. 1,984,761; Dec. 18.
- Wrapping machine. C. F. Richard. 1,956,474; Apr. 24.
- Wrapping machine. J. Van Buren. 1,972,252; Sept. 4.
- Wrapping machine. J. Van Buren. 1,984,850; Dec. 18.
- Wrapping machine. H. R. Williams. 1,961,273; June 5.
- Wrapping machine for thin articles. J. R. Tindal and J. H. Palmer. 1,965,324; July 3.
- Wrapping machines, Registering web feed for. J. A. Neumair. 1,984,804; Dec. 18.
- Wrapping material. W. W. Odell. 1,957,903; May 8.
- Wrench: See—
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| Combination wrench. | Power wrench. |
| Conduit wrench. | Ratchet wrench. |
| Hose wrench. | Socket wrench. |
| Internal wrench. | Spanner wrench. |
| Jar cover wrench. | Spark plug wrench. |
| Nipple wrench. | Stream line wire wrench. |
| Pipe wrench. | Track wrench. |
- Wrench. L. E. Boos. 1,946,669; Feb. 13.
- Wrench. P. P. Bouche. 1,954,914; Apr. 17.
- Wrench. F. W. Carlson. 1,965,487; July 3.
- Wrench. L. P. Cullman. 1,963,833; June 19.
- Wrench. J. W. Doege. 1,976,279; Oct. 9.
- Wrench. F. W. Fromme. 1,942,640; Jan. 9.
- Wrench. C. S. Hascall. 1,985,371; Dec. 25.
- Wrench. C. K. Huthsing. 1,980,862; Nov. 13.
- Wrench. W. C. Kress. 1,954,820; Apr. 17.
- Wrench. J. R. Long. 1,968,783; July 31.
- Wrench. O. Lund. 1,975,695; Oct. 2.
- Wrench. E. Z. Miquelon. 1,954,141; Apr. 10.
- Wrench. R. H. Owen. 1,957,905; May 8.
- Wrench. N. R. Rivers. 1,982,070; Nov. 27.
- Wrench. S. Sorensen. 1,970,403; Aug. 14.
- Wrench. A. I. Swanson. 1,975,908; Oct. 9.

- Wrench. E. Tilston. 1,966,773; July 17.
Wrench and holder, Fruit jar. B. B. Kosanovich. 1,953,238; Apr. 3.
Wrench and making the same, Ratchet. N. F. McNaught and E. H. Peterson. Re19,341; Oct. 16.
Wrench joint. N. F. McNaught and E. H. Peterson. 1,978,590; Oct. 30.
Wrench stand. J. Verderber. 1,973,183; Sept. 11.
Wringer. N. L. Etten. 1,956,065; Apr. 24.
Wringer. W. L. Kauffman, 2d. 1,955,190; Apr. 17.
Wringer. W. L. Kauffman, 2d. 1,962,093; June 5.
Wringer. W. L. Kauffman, 2d. 1,970,095; Aug. 14.
Wringer. W. L. Kauffman, 2d. 1,976,231-2; Oct. 9.
Wringer actuating device. N. L. Etten. 1,977,269; Oct. 16.
Wringer and casing for washing machines, Combined. C. D. Ryan. Des. 91,283; Jan. 2.
Wringer and the like, Clothes. C. E. Kennett. 1,972,778; Sept. 4.
Wringer, Clothes. F. J. La Londe. 1,960,499; May 29.
Wringer drive. A. C. McCord. 1,978,160; Oct. 23.
Wringer drive mechanism. N. L. Etten. 1,962,862; June 12.
Wringer feeding mechanism. E. J. Schuda. 1,960,755; May 29.
Wringer, Folding. T. Saunders and J. Castline. 1,948,009; Feb. 20.
Wringer, Folding clothes. J. H. Adams. 1,943,503; Jan. 16.
Wringer head for washing machines. L. Van A. Guild. Des. 91,267; Jan. 2.
Wringer head for washing machines. J. L. Perkins. Des. 91,839; Mar. 27.
Wringer, Mop. M. J. Kelly. 1,958,703; May 15.
Wringer, Mop. G. A. Reitzel. 1,954,648; Apr. 10.
Wringer, Mop. S. Schulman. 1,952,824; Mar. 27.
Wringer, Mop. A. Wenger. 1,955,444-5; Apr. 17.
Wringer roller. P. P. Gearhart and A. B. Mullin. 1,956,347; Apr. 24.
Wringer, Safety. J. L. Perkins and H. D. Croft. 1,963,244; June 19.
Wringer, Safety clothes. W. L. Kauffman, 2d. 1,944,433; Jan. 23.
Wrinkle finishes for flexible articles. F. B. Root. 1,950,417; Mar. 13.
Wrist pin. G. W. Roth. 1,961,789; June 5.
Wrist-pin bearing, Lubricating. J. A. Butterfield. 1,975,500; Oct. 2.
Wrist pin lock. J. Flammang, P. L. Bowser, and H. Ernst. 1,952,202; Mar. 27.
Wrist watch protector. H. W. Bieger. 1,961,734; June 5.
Wrist watch strap. L. J. Pracht. Des. 92,018; Apr. 17.
Writing and stationery case. J. Fulton. 1,962,988; June 12.
Writing case, Steering wheel. L. Edwards. 1,977,507; Oct. 16.
Writing fluid, Permanent brilliantly colored. G. H. Sayler. 1,972,395; Sept. 4.
Writing implement. R. Back. 1,980,159; Nov. 6.
Writing implement, Flexible. F. Wissner. 1,950,960; Mar. 13.
Writing instruments, Attachment for. P. S. Hanton. 1,971,681; Aug. 28.
Wurtzite from zinc blende, Manufacture of. J. Rockstroff, F. Raspe, and H. Kircher. 1,984,763; Dec. 18.
X-ray apparatus. H. R. Austin. 1,983,014; Dec. 4.
X-ray apparatus. J. J. Grobe and A. J. Klzaur. 1,947,846; Feb. 20.
X-ray apparatus. E. S. Humphreys. 1,976,073; Oct. 9.
X-ray apparatus. R. J. Levy. 1,947,014; Feb. 13.
X-ray apparatus. O. H. Pieper. 1,949,760; Mar. 6.
X-ray apparatus. O. H. and A. F. Pieper. 1,974,929; Sept. 25.
X-ray apparatus. J. B. Wantz. 1,950,764; Mar. 13.
X-ray apparatus. J. B. Wantz. 1,957,436; May 8.
X-ray apparatus for crystallographic examination and like purposes. A. Bouwers. 1,944,062; Jan. 16.
X-ray apparatus, Shockproof. M. Morrison. 1,968,051; July 31.
X-ray device. W. D. Coolidge. 1,967,869; July 24.
X-ray device. W. D. Coolidge. 1,971,812; Aug. 28.
X-ray device. C. E. Slack and G. M. Dinnick. 1,975,871; Oct. 9.
X-ray device and method of technique. J. Kieffer. 1,945,321; Apr. 10.
X-ray equipment. W. K. Kearsley. 1,946,286-7; Feb. 6.
X-ray film. G. A. Scanlan and C. Holzwarth. 1,973,886; Sept. 18.
X-ray film package. J. A. Saffir. 1,952,096; Mar. 27.
X-ray installation. A. Bouwers. 1,953,391; Apr. 3.
X-ray installation. A. Bouwers. 1,954,612; Apr. 10.
X-ray installation in which a compressed gas is provided between the tube and an envelope. A. Bouwers. 1,954,915; Apr. 17.
X-ray intensity, Method and apparatus for controlling. M. Morrison. 1,972,159; Sept. 4.
X-ray machine. O. H. Pieper. 1,979,997; Nov. 6.
X-ray observation apparatus. L. G. Simjian. 1,961,713; June 5.
X-ray part. N. H. Stewart. 1,953,516; Apr. 3.
X-ray photography, Method and apparatus for. H. N. Jackson. 1,963,702; June 19.
X-ray stabilizer system, Thermionic cathode. A. Mutscheller. 1,953,889; Apr. 3.
X-ray system. A. Mutscheller. 1,946,176; Feb. 6.
X-ray table. R. D. Cass. 1,980,848; Nov. 13.
X-ray table. J. B. Wantz. 1,958,555; May 15.
X-ray target. J. A. Weiger and J. S. Williams. 1,978,516; Oct. 30.
X-ray tube. A. Bouwers. 1,949,005; Feb. 27.
X-ray tube. A. Bouwers. 1,977,541; Oct. 16.
X-ray tube. W. D. Coolidge. 1,946,312; Feb. 6.
X-ray tube. L. E. Ehrke. 1,941,975; Jan. 2.
X-ray tube. T. H. Forde. 1,949,463; Mar. 6.
X-ray tube. H. Halberstadt. 1,954,046; Apr. 10.
X-ray tube. G. Holst and A. Bouwers. 1,962,275; June 12.
X-ray tube. G. Holst and A. Bouwers. 1,977,275; Oct. 16.
X-ray tube. K. Matsushima. 1,953,813; Apr. 3.
X-ray tube. H. Niclassen. 1,954,709; Apr. 10.
X-ray tube. C. T. Urey. 1,961,718; June 5.
X-ray tube, Cylindrical. A. Bouwers. 1,974,703; Sept. 25.
X-ray tube in which the active surface of the electrode emitting rays is provided with seams. G. B. Jonas. 1,984,583; Dec. 18.
X-ray tubes, Excitation of. M. Morrison. 1,961,702; June 5.
X-ray unit. C. Fayer. 1,958,191; May 8.
X-ray unit, Shockproof. C. Fayer. 1,941,978; Jan. 2.
Yachting chair. L. W. Emerson. 1,955,490; Apr. 17.
Yarn and manufacture of the same. J. Morton. 1,982,014; Nov. 27.
Yarn and product thereof, Tinting. T. B. Meisenheimer. 1,964,169; June 26.
Yarn, Apparatus for splicing. J. F. Cavanagh and R. H. Chase. 1,950,658; Mar. 13.
Yarn, Apparatus for winding. A. H. Junkers. 1,960,743; May 29.
Yarn bodies, Drying of. R. H. Carter. 1,955,323; Apr. 17.
Yarn catcher for looms. J. H. Llewellyn. 1,967,510; July 24.
Yarn, Cellophane. E. W. Twitchell. 1,949,065; Feb. 27.
Yarn-changing mechanism for knitting machines. D. M. Clark. 1,964,662; June 26.
Yarn clearer. W. T. Priscott. 1,962,032; June 5.
Yarn control means. F. Klein. 1,942,511; Jan. 9.
Yarn control means. F. Klein. 1,977,068; Oct. 16.
Yarn, Detecting imperfections in. C. L. Lytton. 1,958,197; May 8.
Yarn guide for Axminster looms. W. W. Robertson. 1,973,358; Sept. 11.
Yarn holder. W. P. Hornbuckle, jr. 1,975,363; Oct. 2.
Yarn, Method and apparatus for dyeing. J. P. Garey and L. B. Hasbrouck. 1,960,183; May 22.
Yarn, Method and apparatus for making glass. O. Gossler. 1,954,732; Apr. 10.
Yarn or thread holder. O. J. Koger. Des. 91,433; Jan. 30.
Yarn or twine, Pulp. G. A. Richter. 1,969,095; Aug. 7.
Yarn package and mode of making same. A. J. L. Moritz. 1,967,252; July 24.
Yarn package holder. M. Krissiep. 1,960,227; May 22.
Yarn package rack. H. Janssen. 1,966,247; July 10.
Yarn package, Reverse wound. I. Snow. 1,960,128; May 22.
Yarn printing machine. J. D. Kreis. 1,982,346; Nov. 27.
Yarn producing attachment for spinning frames, Slub. A. Hartley. 1,981,546; Nov. 20.
Yarn spinning machine, Rayon. J. Yazbik. 1,958,777; May 15.
Yarn tensioning device. L. H. Myers. 1,967,210-11; July 17.
Yarn, Treating. J. Gottlieb. 1,977,306; Oct. 16.
Yarn treatment. F. J. Williams and H. E. Martin. 1,945,959; Feb. 6.
Yarn twisting apparatus for fancy yarns. H. A. Leonard. 1,946,941; Feb. 13.
Yarn winding device. X. Brügger. 1,959,567; May 22.
Yarn winding machine. E. Schweizer. 1,955,027; Apr. 17.
Yarns and the like, Subsequent treatment of. C. F. Dulken. 1,975,036; Sept. 25.
Yarns, Apparatus for handling textile. C. D. Walton, W. E. Crooks, and F. T. Small. 1,978,826; Oct. 30.
Yarns, Apparatus for making. C. Dreyfus and W. Whitehead. 1,959,414; May 22.
Yarns, Apparatus for making elastic. H. Z. Cobb. 1,976,328; Oct. 9.
Yarns, Manufacture of. M. M. Taylor and S. M. Fulton. 1,959,142; May 15.
Yarns, Manufacture of crepe. E. Boos. 1,950,471; Mar. 13.
Yarns, Process of and apparatus for spinning. E. J. Abbott. 1,960,403; May 29.
Yeast and preparing the same, Dry. J. R. White. 1,974,938; Sept. 25.
Yeast and the product produced thereby, Treatment of. C. P. Freshel. 1,981,225; Nov. 20.
Yeast composition and making the same. J. R. White. 1,974,937; Sept. 25.
Yeast of high enzymatic activity, Manufacture of. M. Moskovits. 1,962,831; June 12.
Yeast product, Compressed. W. H. Buhrig, A. Schultz, and C. N. Frey. 1,970,275; Aug. 14.
Yielding coupling. J. W. Allen. 1,965,024; July 3.
Yielding wall joint. J. McInerney. 1,975,470; Oct. 2.
Yoke. W. S. Trowbridge. 1,953,375; Apr. 3.
Yoke and coupler butt connection. D. S. Barrows. 1,972,855; Sept. 11.
Yoke and coupler connection, Pivotal. S. B. Haseltine. 1,961,354; June 5.
Yoke, Fitting-up. J. D. Williams. 1,946,515; Feb. 13.
Zein compositions and preparing same. J. F. Walsh and J. V. MacDonough. 1,966,604; July 17.

Zeolite bed, Regenerating and washing a. D. Burks, jr. 1,947,248; Feb. 13.
 Zeolites, Making artificial. A. W. Schorger. 1,949,360; Feb. 27.
 Zeppelins and the like, Means for assisting in the mooring of. N. Statham. 1,949,888; Mar. 6.
 Zero printing device for cash registers and calculating machines. A. Varren. 1,951,682; Mar. 20.
 Zinc base alloy. P. J. Morell. 1,945,288; Jan. 30.
 Zinc base metals, Anodic coating of. E. C. Truesdale and E. J. Wilhelm. 1,954,000; Apr. 10.
 Zinc base metals, Anodic coating of. E. C. Truesdale, E. J. Wilhelm, and C. S. Reinhard. 1,953,999; Apr. 10.
 Zinc carbonate, Manufacturing basic. M. H. Engberg. 1,944,415; Jan. 23.
 Zinc distillation plant. W. Malkomes. 1,968,413; July 31.
 Zinc, Electrodeposition of. K. Kaizik. 1,984,745; Dec. 18.
 Zinc, lead, tin, and cadmium values, Recovery of. G. F. Weaton, H. K. Najarian, and W. C. Dowd. 1,973,590; Sept. 11.
 Zinc metal, Purifying. P. M. Ginder, G. T. Mahler and H. M. Cyr. 1,980,480; Nov. 13.

Zinc ores, Igneous concentration of. R. G. Hall. 1,949,905; Mar. 6.
 Zinc ores, Reducing. C. G. Maier. 1,961,425; June 5.
 Zinc oxide, Manufacture of. B. N. McCraven. 1,941,569; Jan. 2.
 Zinc oxide, Manufacturing. C. R. Beringer. 1,971,639; Aug. 28.
 Zinc oxide, Producing. R. W. French. 1,944,158; Jan. 23.
 Zinc refining process. C. G. Maier. 1,961,424; June 5.
 Zinc sheet, Production of aluminum-plated. F. Jordan. 1,985,784; Dec. 25.
 Zinc sheets particularly adapted for use in galvanic cells, Production of. P. Mittman. 1,947,948; Feb. 20.
 Zinc sulphate solution, Purifying. J. C. Thompson, jr. 1,973,300; Sept. 11.
 Zinc sulphide ores, Treatment of. F. E. Lee. 1,969,567; Aug. 7.
 Zinciferous material, Reduction of. P. M. Ginder and E. C. Handwerk. 1,983,025; Dec. 4.
 Zinciferous material, Treatment of. A. J. Myhren. 1,973,295; Sept. 11.

LIST OF DISCLAIMERS ARRANGED BY INVENTIONS

Acids and methods of making the same, Sulphonated higher alcohol esters of the higher fatty. Fritz Dambacher. No. 1,957,324; date of patent May 1, 1934; disclaimer filed July 31, 1934; v. 445; p. 773.
 Acoustic device. Edwin H. Smythe. No. 1,821,586; date of patent Sept. 1, 1931; disclaimer filed Mar. 31, 1934; v. 442; p. 8.
 Acrolein condensation product, New. Walter Kropp. No. 1,845,755; date of patent. Feb. 16, 1932; disclaimer filed June 22, 1934; v. 444; p. 763.
 Actuator, Power. Caleb S. Bragg. No. 1,583,117; date of patent May 4, 1926; disclaimer filed Mar. 10, 1934; v. 440; p. 786.
 Aircraft, Indicating system for. Ernst F. W. Alexander-son. No. 1,907,471; date of patent May 9, 1933; disclaimer filed Apr. 19, 1934; v. 442; p. 262.
 Air-preheating mechanism for mill-furnaces. William W. Lester. No. 1,389,059; date of patent Aug. 30, 1921; disclaimer filed Mar. 30, 1934; v. 441; p. 791.
 Alcohol, Reduction of furfural to tetrahydrofurfuryl. George D. Graves. No. 1,794,453; date of patent Mar. 3, 1931; disclaimer filed Mar. 31, 1934; v. 441; p. 791.
 Alloy. Alvah W. Clement. No. 1,865,091; date of patent Jan. 11, 1921; disclaimer filed Aug. 13, 1934; v. 446; p. 12.
 Alloy. Richard A. Wilkins. No. 1,851,928; date of patent Mar. 29, 1932; disclaimer filed Mar. 21, 1934; v. 441; p. 260.
 Alloy, Magnesium base. Robert T. Wood. No. 1,850,613; date of patent Mar. 22, 1932; disclaimer filed May 29, 1934; v. 443; p. 572.
 Alloys by rolling, Process of working magnesium and high percentage magnesium. Gustav Schreiber. No. 1,902,905; date of patent Mar. 28, 1933; disclaimer filed May 26, 1934; v. 443; p. 572.
 Ammunition, Reversible clip for. John D. Pedersen. No. 1,815,524; date of patent July 21, 1931; disclaimer filed Dec. 22, 1933; v. 438; p. 534.
 Amplifier. Alda V. Bedford. No. 1,784,653; date of patent Dec. 9, 1930; disclaimer filed Aug. 4, 1934; v. 446; p. 260.
 Artificial grape and method of producing same. James H. Emery. No. 1,890,349; date of patent Sept. 13, 1921; disclaimer filed Dec. 23, 1933; v. 438; p. 533.
 Booster-motor for locomotives. Howard L. Ingersoll. No. 1,375,293; date of patent Apr. 19, 1921; disclaimer filed Oct. 23, 1934; v. 448; p. 272.
 Box-wrapping system. J. R. Sonneborn. No. 1,646,563; date of patent Oct. 25, 1927; disclaimer filed Sept. 18, 1934; v. 447; p. 505.
 Bushing. Morris Schwartz. No. 1,513,637; date of patent Oct. 28, 1924; disclaimer filed Feb. 9, 1934; v. 440; p. 8.
 Cabinet, Towel. Tracy Brooks Tyler. No. 1,893,343; date of patent Jan. 3, 1933; disclaimer filed May 17, 1934; v. 443; p. 1.
 Car-door mechanism. Byers W. Kadel. No. 1,733,736; date of patent Oct. 29, 1929; disclaimer filed Sept. 18, 1934; v. 447; p. 505.
 Carburetor. Leonard D. Boyce. No. 1,947,693; date of patent Feb. 20, 1934; disclaimer filed Apr. 10, 1934; v. 442; p. 8.
 Cheese and method of processing same. Richard Pasternack and Richard W. Burnham. No. 1,890,948; date of patent Dec. 13, 1932; disclaimer filed Oct. 24, 1934; v. 448; p. 505.
 Circuit, Receiving. Harry B. Coxhead. No. 1,804,526; date of patent May 12, 1931; disclaimer filed Mar. 16, 1934; v. 441; p. 259.
 Clothes-washers, Wringer mechanism for. Forrest J. Couch and James F. Wallace. No. 1,325,234; date of patent Dec. 16, 1919; disclaimer filed July 13, 1934; v. 445; p. 280.

Clutch mechanism. Ronald George Griffith. No. 1,905,090; date of patent Apr. 25, 1933; disclaimer filed Oct. 11, 1934; v. 447; p. 1004.
 Coal, Preserving. Fredrick J. Wallace. No. 1,910,975; date of patent May 23, 1933; disclaimer filed Jan. 10, 1934; v. 438; p. 990.
 Coin-control apparatus. Ode D. Jennings. No. 1,562,771; date of patent Nov. 24, 1925; disclaimer filed Aug. 13, 1934; v. 446; p. 12.
 Colloidal substance, Method for the dispersion of gum into a. Harlan L. Trumbull and John B. Dickson. No. 1,513,139; date of patent Oct. 28, 1924; disclaimer filed Jan. 30, 1934; v. 439; p. 541.
 Colophony and related substances, Mixed esters of. Herman Alexander Bruson. No. 1,783,165 (two); date of patent Nov. 25, 1930; disclaimers filed June 19 and Oct. 18, 1934; v. 444 and 448; p. 260 and 273.
 Concrete mixer and agitator. Charles F. Ball. No. 1,781,965; date of patent Nov. 18, 1930; disclaimer filed Jan. 3, 1934; v. 438; p. 780.
 Condensation product and process for preparing same. Herman Alexander Bruson. No. 1,779,367 (two); date of patent Oct. 21, 1930; disclaimers filed June 2, and Oct. 18, 1934; v. 443 and 448; p. 838, 273.
 Connection, Flexible. George H. Zouck. No. 1,849,131; date of patent Mar. 15, 1932; disclaimer filed Jan. 5, 1934; v. 438; p. 990.
 Control apparatus, Remote. James J. Vanhorn. No. 1,822,913; date of patent Sept. 15, 1931; disclaimer filed Jan. 5, 1934; v. 439; p. 8.
 Control system. Harold T. Seeley. No. 1,843,788; date of patent Feb. 2, 1923; disclaimer filed Nov. 9, 1934; v. 439; p. 12.
 Controller. William Herbert Aporthepe. No. 1,940,834; date of patent Dec. 26, 1933; disclaimer filed Oct. 10, 1934; v. 447; p. 1004.
 Core taking apparatus. George J. Barrett and Sosthene Robichaux. No. 1,847,424; date of patent Mar. 1, 1932; disclaimer filed Mar. 16, 1934; v. 441; p. 1.
 Coupling system, High-frequency. John Kelly Johnson. No. 1,855,054; date of patent Apr. 19, 1932; disclaimer filed Nov. 12, 1934; v. 449; p. 12.
 Cylindrical bodies and method of handling such bodies therein. Roller drier for. John P. Keller. No. 1,916,840; date of patent July 4, 1933; disclaimer filed June 6, 1934; v. 443; p. 838.
 Defroster. William A. Doble, Jr. No. 1,913,433; date of patent June 13, 1933; disclaimer filed May 4, 1934; v. 442; p. 1068.
 Diazo prints, Process for developing positive. Lodewijk Pieter Frans van der Grinten and Karel Jan Josef van der Grinten. No. 1,841,653; date of patent Jan. 19, 1932; disclaimer filed Sept. 12, 1934; v. 447; p. 230.
 Disk, Duplex scanning. Charles Francis Jenkins. No. 1,785,262; date of patent Dec. 16, 1930; disclaimer filed Aug. 16, 1934; v. 446; p. 260.
 Drive mechanism, Variable. George W. Swift, Jr. No. 1,951,536; date of patent Mar. 20, 1934; disclaimer filed Nov. 10, 1934; v. 449; p. 12.
 Dumping car. Carl E. Astrom. No. 1,613,153; date of patent Jan. 4, 1927; disclaimer filed Aug. 29, 1934; v. 446; p. 510.
 Economizer. George P. Jackson, Kurt Toensfeldt, and Harry Steele. No. 1,786,909; date of patent Dec. 30, 1930; disclaimer filed Feb. 19, 1934; v. 440; p. 787.
 Edge finishing machine. John B. Coffey. No. 1,926,037; date of patent Sept. 12, 1933; disclaimer filed Sept. 21, 1934; v. 447; p. 768.
 Electric power unit and construction for the same. Joseph D. Christian. No. 1,860,703; date of patent Mar. 31, 1932; disclaimer filed Sept. 29, 1934; v. 447; p. 768.

- Electrical amplifying system. Benjamin F. Miessner. No. 1,834,414; date of patent December 1, 1931; disclaimer filed Mar. 1, 1934; v. 440; p. 787.
- Electrical precipitators, Method of insulating high voltages in. Raymond T. Howes. No. 1,891,645; date of patent Dec. 20, 1932; disclaimer filed May 28, 1934; v. 443; p. 572.
- Electrical protective system. John V. Breisky. No. 1,872,560; date of patent Aug. 16, 1932; disclaimer filed Sept. 22, 1934; v. 447; p. 768.
- Electrical regulator. Alan G. Darling. No. 1,920,783; date of patent Aug. 1, 1933; disclaimer filed Mar. 10, 1934; v. 441; p. 1.
- Electrical system. Maurice L. Sindeband and Joseph W. Milnor. No. 1,571,304; date of patent Feb. 2, 1926; disclaimer filed May 3, 1934; v. 442; p. 1067.
- Electrical transmission of pictures. Edward F. Watson. No. 1,579,263; date of patent Apr. 6, 1926; disclaimer filed Sept. 12, 1934; v. 447; p. 229.
- Electrical transmission of pictures. Edward F. Watson and Allan Weaver. No. 1,602,469; date of patent Oct. 12, 1926; disclaimer filed Sept. 12, 1934; v. 447; p. 229.
- Electrolytic device. Preston Robinson and Joseph L. Collins. No. 1,916,586; date of patent July 4, 1933; disclaimer filed Mar. 30, 1934; v. 441; p. 792.
- Electron discharge device circuit arrangement. Ernest R. Hentschel. No. 1,877,128; date of patent Sept. 13, 1932; disclaimer filed Sept. 6, 1934; v. 447; p. 12.
- Electron-discharge devices, Circuits for. Glenn W. Carpenter. No. 1,792,275; date of patent Feb. 10, 1931; disclaimer filed Nov. 24, 1934; v. 449; p. 505.
- Electrosurgical apparatus. Charles Fayer. No. 1,695,485; date of patent Dec. 18, 1928; disclaimer filed Mar. 21, 1934; v. 441; p. 259.
- Fabric, Colloid-treated. Stanley P. Lovell. No. 1,256,240; date of patent Feb. 12, 1918; disclaimer filed Mar. 16, 1934; v. 441; p. 259.
- Fabric, Colloid-treated, and method of producing the same. Stanley P. Lovell. No. 1,353,599; date of patent Sept. 21, 1920; disclaimer filed Mar. 21, 1934; v. 441; p. 259.
- Fastener, Separable. Elliot O. Seaver. No. 1,830,077; date of patent Nov. 3, 1931; disclaimer filed June 16, 1934; v. 444; p. 260.
- Fastener, Separable. Gideon Sundback. (Two cases) No's. 1,243,458 and 1,813,433; date of patents Oct. 16, 1917, and July 7, 1931; disclaimers filed June 16, and Nov. 13, 1934; v. 444 and 449; p. 260 and 12.
- Fastener slider, Separable. Gideon Sundback. No. 1,566,996; date of patent Dec. 22, 1925; disclaimers filed Feb. 12 and Nov. 13, 1934; vs. 440 and 449; pp. 288 and 12.
- Fasteners, Method and machine for making. Gideon Sundback. No. 1,467,015; date of patent Sept. 4, 1923; disclaimer filed Mar. 7, 1934; v. 440; p. 786.
- Fibers, Method of sizing cellulose. Judson A. De Cew. No. 1,589,947; date of patent June 22, 1926; disclaimer filed Nov. 8, 1934; v. 449; p. 12.
- Fibrous product and method of making the same. Max H. Kliefoth. No. 1,875,018; date of patent Aug. 30, 1932; disclaimer filed July 7, 1934; v. 445; p. 12.
- Filaments, Treatment of artificial. Jack L. Bitter and Richard Elssner. No. 1,867,610; date of patent July 19, 1932; disclaimer filed Nov. 10, 1934; v. 449; p. 12.
- Filler for cartons or other containers. Francis H. Sherman. No. 1,741,741; date of patent Dec. 31, 1929; disclaimer filed Mar. 19, 1934; v. 441; p. 259.
- Finger-nail-cleaning compound. Charles W. Eads. No. 1,467,614; date of patent Sept. 11, 1923; disclaimer filed June 6, 1934; v. 443; p. 837.
- Float plug. William L. McLaine. No. 1,491,915; date of patent Apr. 29, 1924; disclaimer filed Mar. 26, 1934; v. 441; p. 516.
- Fluid transmission and control means for machine tools. Fred A. Parsons. No. 1,740,744; date of patent Dec. 24, 1929; disclaimer filed Oct. 8, 1934; v. 447; p. 1003.
- Flying machine. George Francis Myers. No. 1,903,009; date of patent Mar. 28, 1933; disclaimer filed Sept. 12, 1934; v. 447; p. 230.
- Formamid, Process for vaporizing. Eduard Munch. No. 1,735,407; date of patent Nov. 12, 1929; disclaimer filed July 5, 1934; v. 445; p. 12.
- Fruit for canning purposes, Method of treating. Eugene G. Grab. No. 1,557,358; date of patent Oct. 13, 1925; disclaimer filed Apr. 20, 1934; v. 442; p. 539.
- Gauge, Axle-aligning. Claude C. Bennett. No. 1,653,249; date of patent Dec. 20, 1927; disclaimer filed Sept. 22, 1934; v. 447; p. 767.
- Gauge, Liquid. Philip A. Jerguson. No. 1,947,910; date of patent Feb. 20, 1934; disclaimer filed Apr. 18, 1934; v. 442; p. 262.
- Glass, Method and apparatus for cross cutting wire. George Aurién and Paul F. Gutmann. No. 1,895,779; date of patent Jan. 31, 1933; disclaimer filed July 7, 1934; v. 445; p. 12.
- Governors. Emil R. Klemm, Jr. and Frederick O. Singer. No. 1,915,188; date of patent June 20, 1933; disclaimer filed June 29, 1934; v. 444; p. 764.
- Gravity variations, Method and apparatus for determining. Harvey C. Hayes. No. 1,787,536; date of patent, Jan. 6, 1931; disclaimer filed Jan. 3, 1934; v. 438; p. 780.
- Heater, Automotive. Benjamin Kirsch. No. 1,849,934; date of patent Mar. 15, 1932; disclaimer filed Sept. 1, 1934; v. 447; p. 12.
- Heater, Liquid. Francis H. McCormick. No. 1,892,557; date of patent Dec. 27, 1932; disclaimer filed Aug. 1, 1934; v. 445; p. 773.
- Heavier hydrocarbons, Processes and apparatus for treating. Charles Howard Jenkins. No. 1,827,018; date of patent Oct. 13, 1931; disclaimer filed Oct. 17, 1934; v. 448; p. 273.
- Hydrocarbon dephlegmation products, Treatment of. Kent W. Bartlett. No. 1,882,269; date of patent Oct. 11, 1932; disclaimer filed Dec. 7, 1933; v. 438; p. 8.
- Hydrocarbons, Polymerization of butadiene. Hans Lecher and Albert Koch. No. 1,789,873; date of patent Jan. 20, 1931; disclaimer filed June 22, 1934; v. 444; p. 763.
- Hydrohalides, Manufacture of amine. Mark E. Putnam. No. 1,858,640; date of patent May 17, 1932; disclaimer filed May 3, 1934; v. 442; p. 1067.
- Indow-controlling and fluid-discharge means, Combination. Thomas F. Gardner. No. 1,877,292; date of patent Sept. 13, 1932; disclaimer filed Aug. 28, 1934; v. 446; p. 510.
- Interfolding machine. David W. Hudson. No. 1,454,069; date of patent Feb. 19, 1924; disclaimer filed Mar. 27, 1934; v. 441; p. 791.
- Knitting machines, Loop regulating mechanism for. Gustav Gastrich. No. 1,837,214; date of patent Dec. 22, 1931; disclaimer filed Apr. 10, 1934; v. 442; p. 8.
- Light and music, Method of and means for associating. Mary Hallock Greenewalt. Re. 16,825; date of patent Dec. 20, 1927; disclaimer filed Dec. 23, 1933; v. 438; p. 533.
- Light control, Self compensating. Charles A. Styer. No. 1,905,251; date of patent Apr. 25, 1933; disclaimer filed May 10, 1934; v. 442; p. 1068.
- Lock nut and method of manufacture. Ernest L. Rupf. No. 1,903,921; date of patent Apr. 18, 1933; disclaimer filed Sept. 22, 1934; v. 447; p. 768.
- Locking device, Car-door-. William E. Wine. No. 1,455,694; date of patent May 15, 1923; disclaimer filed Sept. 18, 1934; v. 447; p. 505.
- Locomotive booster. Montague H. Roberts and Frank R. Peters. No. 1,602,124; date of patent Oct. 5, 1926; disclaimer filed Oct. 23, 1934; v. 448; p. 273.
- Locomotive-booster lubrication. Montague H. Roberts. No. 1,600,427; date of patent Sept. 21, 1926; disclaimer filed Oct. 23, 1934; v. 448; p. 273.
- Machine, Rotary. David S. Faulkner. No. 1,875,430; date of patent Sept. 6, 1932; disclaimer filed Mar. 23, 1934; v. 441; p. 260.
- Materials, Apparatus for washing, separating and grading. Howard S. Gerken. No. 1,729,070; date of patent Sept. 24, 1929; disclaimer filed June 7, 1934; v. 443; p. 838.
- Measuring apparatus. Harold R. Ranken. No. 1,934,882; date of patent Nov. 14, 1933; disclaimer filed Nov. 13, 1934; v. 499; p. 12.
- Metallic protective coating. Stanton U. McGary, Walter F. Rogers, and Stanley Gill. No. 1,790,643; date of patent Feb. 3, 1931; disclaimer filed Jan. 20, 1934; v. 439; p. 541.
- Motor especially for driving clocks, Synchronous. Robert Michl. Re. No. 17,779; date of patent Aug. 26, 1930; disclaimer filed Aug. 9, 1934; v. 446; p. 12.
- Motor, Induction. Chester I. Hall. No. 1,590,025; date of patent June 22, 1926; disclaimer filed May 17, 1934; v. 443; p. 1.
- Motor, Vernier. Lewis W. Chubb. No. 1,894,979; date of patent Jan. 24, 1933; disclaimer filed Aug. 3, 1934; v. 445; p. 773.
- Oil, Distillation of. Henry L. Doherty. No. 1,597,674; date of patent Aug. 31, 1926; disclaimer filed Mar. 8, 1934; v. 440; p. 786.
- Oil, Process for cracking petroleum. Gustav Egloff. No. 1,561,779; date of patent Nov. 17, 1925; disclaimer filed Jan. 2, 1934; v. 438; p. 779.
- Oil, Process for separation of mineral. Malcolm H. Tuttle. No. 1,912,348; date of patent May 30, 1933; disclaimer filed Sept. 17, 1934; v. 447; p. 506.
- Oil, Refining hydrocarbon. Stewart S. Kurtz, jr. No. 1,899,969; date of patent Mar. 7, 1933; disclaimer filed Feb. 15, 1934; v. 440; p. 8.
- Oils, Extraction of mineral. Seymour W. Ferris. No. 1,874,947; date of patent Aug. 30, 1932; disclaimer filed Feb. 15, 1934; v. 440; p. 8.
- Oils, Process for treating hydrocarbon. Robert T. Pollock. No. 1,550,568; date of patent Aug. 18, 1925; disclaimer filed Jan. 2, 1934; v. 438; p. 780.
- Oils, Treatment of. Joseph Bennett Hill. No. 1,883,374; date of patent Oct. 18, 1932; disclaimer filed Jan. 5, 1934; v. 439; p. 8.
- 1-phenyl-2-aminoalcohols (1) hydroxylated in the phenyl nucleus and process of preparing them. Max Bockmühl, Gustav Ehrhart, and Leonhard Stein. No. 1,877,795; date of patent Sept. 20, 1932; disclaimer filed Sept. 13, 1934; v. 447; p. 506.
- Oxidation of sulfur dioxide and catalyst therefor. Franz Slama and Hans Wolf. No. 1,371,004; date of patent Mar. 8, 1921; disclaimer filed Apr. 13, 1934; v. 442; p. 262.
- Paper-making machine. Charles R. Seaborne. No. 1,517,018; date of patent Nov. 25, 1924; disclaimer filed Sept. 22, 1934; v. 447; p. 767.
- Pastries and the like, Machine for forming. John C. Bergner. No. 1,702,191; date of patent Feb. 12, 1929; disclaimer filed June 29, 1934; v. 444; p. 763.

- Perforating machine. Joseph C. Knight. No. 1,584,230; date of patent May 11, 1926; disclaimer filed Dec. 23, 1933; v. 438; p. 779.
- Pipe section. James E. Trainer. No. 1,924,966; date of patent Aug. 29, 1933; disclaimer filed May 10, 1934; v. 442; p. 1068.
- Press and nailing machine, Combined cover. George David Parker. No. 1,576,213; date of patent Mar. 9, 1926; disclaimer filed May 14, 1934; v. 443; p. 1.
- Projection screen. Hugo Nagel. No. 1,915,944; date of patent June 27, 1933; disclaimer filed June 7, 1934; v. 444; p. 260.
- Radiator cap. Laurence A. Sweet. No. 1,724,978; date of patent Aug. 20, 1929; disclaimer filed Apr. 12, 1934; v. 442; p. 8.
- Radio frequency amplifier. Lincoln Walsh. No. 1,894,503; date of patent Jan. 17, 1933; disclaimer filed May 29, 1934; v. 443; p. 572.
- Radio receiving system. Frederick A. Kolster. No. 1,830,948; date of patent Nov. 10, 1931; disclaimer filed Oct. 23, 1934; v. 448; p. 274.
- Radio signaling apparatus. Wendell L. Carlson. No. 1,770,838; date of patent July 15, 1930; disclaimer filed Mar. 15, 1934; v. 441; p. 1.
- Rail joint. George Langford. Re. No. 18,213; date of patent Sept. 29, 1931; disclaimer filed Aug. 6, 1934; v. 446; p. 12.
- Railroads, Interlocking system for. Norman L. Donovan. No. 1,824,748; date of patent Sept. 22, 1931; disclaimer filed Feb. 16, 1934; v. 440; p. 290.
- Railroads, Interlocking system for. Frank L. Dodgson. No. 1,824,127; date of patent Sept. 22, 1931; disclaimer filed July 28, 1934; v. 445; p. 543.
- Railroads, Power interlocking system for. Frank Benedict. No. 1,824,113; date of patent Sept. 22, 1931; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Railroads, Train-dispatching system for. Frederick W. Brixner. (Two cases.) No. 1,824,117, date of patent Sept. 22, 1931; disclaimers filed Feb. 16 and July 28, 1934; vs. 440 and 445; pp. 289 and 543.
- Railroads, Train-dispatching system for. Oscar H. Dicke. No. 1,795,084; date of patent Mar. 3, 1931; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Railroads, Train-dispatching system for. Oscar H. Dicke and Neil D. Preston. No. 1,794,591; date of patent Mar. 3, 1931; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Railroads, Train-dispatching system for. Richard C. Leake. No. 1,794,628; date of patent Mar. 3, 1931; disclaimer filed Feb. 16, 1934; v. 440; p. 289.
- Railroads, Train-dispatching system for. Ray Plank. No. 1,852,368; date of patent Apr. 5, 1932; disclaimer filed Feb. 16, 1934; v. 440; p. 290.
- Railroads, Train-dispatching system for. Walter W. Wenholz. No. 1,794,563; date of patent Mar. 3, 1931; disclaimer filed Feb. 16, 1934; v. 440; p. 288.
- Railroads, Train-dispatching systems for. Sedgwick N. Wight. (Three cases.) Nos. 1,794,565, 1,794,567, and 1,852,550; date of patents Mar. 3, 1931, and Apr. 5, 1932; disclaimers filed Feb. 16 and Oct. 23, 1934; vs. 440 and 448; pp. 288 and 505.
- Railway car. Byers W. Kadel. No. 1,737,927; date of patent Dec. 3, 1929; disclaimer filed Sept. 18, 1934; v. 447; p. 506.
- Railway cars, Air conditioning for. John Van Vulpen and Edward A. Russell. No. 1,853,477; date of patent Apr. 12, 1932; disclaimer filed Aug. 8, 1934; v. 446; p. 12.
- Railway hand brake. Richard W. Burnett. No. 1,879,973; date of patent Sept. 27, 1932; disclaimer filed Mar. 29, 1934; v. 441; p. 791.
- Railway traffic controlling system. Sedgwick N. Wight. No. 1,889,458; date of patent Nov. 29, 1932; disclaimer filed Feb. 23, 1934; v. 440; p. 787.
- Razor and blade therefor. Marcus B. Behrman. No. 1,739,280; date of patent Dec. 10, 1929; disclaimer filed June 21, 1934; v. 445; p. 280.
- Receiving channels, Automatic selection of. William C. Bohn. No. 1,747,218; date of patent Feb. 18, 1930; disclaimer filed Mar. 6, 1934; v. 440; p. 786.
- Receiving channels, Automatic selection of. Ralph Bown. No. 1,747,220; date of patent Feb. 18, 1930; disclaimer filed Mar. 6, 1934; v. 440; p. 787.
- Refrigeration. Clyde E. Ploeger. No. 1,838,040; date of patent Dec. 22, 1931; disclaimer filed July 27, 1934; v. 445; p. 544.
- Refrigeration. Clyde E. Ploeger and William D. Collins. No. 1,838,041; date of patent Dec. 22, 1931; disclaimer filed Aug. 24, 1934; v. 446; p. 510.
- Refrigeration. William D. Collins and Clyde Edward Ploeger. No. 1,837,253; date of patent Dec. 22, 1931; disclaimer filed Aug. 24, 1934; v. 446; p. 510.
- Refrigerator construction. Folke Emil Sellman. No. 1,949,663; date of patent Mar. 6, 1934; disclaimer filed Aug. 24, 1934; v. 446; p. 510.
- Register of machine parts. Means for adjusting. Henry B. Greenwood. No. 1,868,385; date of patent July 19, 1932; disclaimer filed May 7, 1934; v. 442; p. 1067.
- Resinous condensation products and process of making. Ernest J. Pieper. No. 1,845,330; date of patent Feb. 16, 1932; disclaimer filed May 10, 1934; v. 442; p. 1067.
- Rolling mill, Working roll balance for a backed-up. Hubert E. Ewart. No. 1,898,007; date of patent Feb. 21, 1933; disclaimer filed Mar. 6, 1934; v. 440; p. 787.
- Rotary machine for well drilling. Edward Timbs. No. 1,821,366; date of patent Sept. 1, 1933; disclaimer filed Dec. 22, 1933; v. 438; p. 534.
- Rubber coated articles and process. Parke H. Watkins. No. 1,896,263; date of patent Feb. 7, 1933; disclaimer filed Feb. 15, 1934; v. 440; p. 8.
- Rubberlike masses, Preparation of. Herman Alexander Bruson. (Two cases.) No. 1,793,167; date of patent Nov. 25, 1930; disclaimers filed Apr. 27 and Oct. 18, 1934; vs. 442 and 448; pp. 1067 and 273.
- Ruling machine. Harmon E. Lindblad. No. 1,813,940; date of patent July 14, 1931; disclaimer filed Jan. 11, 1934; v. 438; p. 989.
- Safety device for tire inflaters. Albert Penn. No. 1,918,612; date of patent July 18, 1933; disclaimer filed Aug. 25, 1934; v. 446; p. 510.
- Salts of 1-phenyl-2-aminopropane. Gordon A. Alles. No. 1,879,003; date of patent Sept. 27, 1932; disclaimer filed Aug. 29, 1934; v. 446; p. 510.
- Scraper with automatic elevating control. Rotary. Joseph S. Reynolds. No. 1,642,826; date of patent Sept. 20, 1927; disclaimer filed Dec. 26, 1933; v. 438; p. 533.
- Semitrailer. Andrew J. Borst, Jr. No. 1,383,381; date of patent July 5, 1921; disclaimer filed Feb. 17, 1934; v. 440; p. 287.
- Sheet-metal forming and setting machine. Gideon Sundback. No. 1,831,884; date of patent Feb. 24, 1920; disclaimer filed Jan. 17, 1934; v. 439; p. 8.
- Shelf-reacher. Julius Pedersen. No. 1,350,331; date of patent Aug. 24, 1920; disclaimer filed May 2, 1934; v. 442; p. 1066.
- Ship propulsion. Roy O. Dunham. No. 1,804,328; date of patent May 5, 1931; disclaimer filed Apr. 27, 1934; v. 442; p. 1067.
- Signal system, Selective. William F. Eames. No. 1,822,085; date of patent Sept. 8, 1931; disclaimer filed Feb. 3, 1934; v. 439; p. 541.
- Slider, Separable fastener. Gideon Sundback. No. 1,566,996; date of patent Dec. 22, 1925; disclaimer filed Feb. 12, 1934; v. 440; p. 288.
- Sound recorder and reproducer. Electrically operating. Charles Huenlich. No. 1,812,957; date of patent July 7, 1931; disclaimer filed Apr. 13, 1934; v. 442; p. 262.
- Sound reproducing device. Lee G. Bostwick. No. 1,907,723; date of patent May 9, 1933; disclaimer filed Mar. 28, 1934; v. 441; p. 516.
- Sound reproduction. William H. Offenhauser, Jr. No. 1,855,196; date of patent Apr. 26, 1932; disclaimer filed July 21, 1934; v. 445; p. 544.
- Speed-control equipment. Clyde C. Farmer and Thomas H. Thomas. Re. No. 16,814; date of patent Dec. 13, 1927; disclaimer filed Mar. 27, 1934; v. 445; p. 12.
- Sprayed soap product. Earl P. Stevenson. No. 1,779,517; date of patent Oct. 28, 1930; disclaimer filed Mar. 21, 1934; v. 441; p. 259.
- Steering mechanism. Wilfred A. Eaton and Stephen Vorech. No. 1,938,745; date of patent Dec. 12, 1933; disclaimer filed June 22, 1934; v. 444; p. 764.
- Sugar product and method of making same. Viggo Valdemar Julius Andresen. No. 1,732,492; date of patent Oct. 22, 1929; disclaimer filed Mar. 1, 1934; v. 440; p. 786.
- Switch. Jay J. Hogan. No. 1,749,536; date of patent Mar. 4, 1930; disclaimer filed Jan. 16, 1934; v. 439; p. 541.
- Switch-contact-arc reducer. Joseph J. Dante. No. 1,795,641; date of patent Mar. 10, 1931; disclaimer filed March 31, 1934; v. 441; p. 791.
- Switch machines, Control means for. Walter W. Wenholz. No. 1,742,113; date of patent Dec. 31, 1929; disclaimer filed Feb. 16, 1934; v. 440; p. 288.
- Synchronizing system. Philo T. Farnsworth. No. 1,844,949; date of patent Feb. 16, 1932; disclaimer filed July 7, 1934; v. 445; p. 12.
- Synchronizing system, Electric. Alan Julian Maddock. No. 1,874,774; date of patent Aug. 30, 1932; disclaimer filed Aug. 4, 1934; v. 446; p. 260.
- Table for saws or the like. Charles A. Ulrich. No. 1,896,924; date of patent Feb. 7, 1933; disclaimer filed Oct. 8, 1934; v. 447; p. 1003.
- Telegraph switching system, Automatic. Gilbert S. Vernam. No. 1,895,113; date of patent Jan. 24, 1933; disclaimer filed June 5, 1934; v. 443; p. 838.
- Telephone system. Hiram D. Currier. No. 1,428,762; date of patent Sept. 12, 1922; disclaimer filed Nov. 20, 1934; v. 449; p. 505.
- Teletypewriter selector system. Fullerton S. Kinkead. No. 1,946,216; date of patent Feb. 6, 1934; disclaimer filed Oct. 25, 1934; v. 448; p. 505.
- Terminals, Overspeed brake at. James Dunlop. No. 1,871,213; date of patent Aug. 9, 1932; disclaimer filed June 1, 1934; v. 443; p. 572.
- Textile fibers, Washing and cleansing. Heinrich Ulrich and Curt Schubert. No. 1,935,217; date of patent Nov. 14, 1933; disclaimer filed July 7, 1934; v. 445; p. 12.
- Thermionically active substance. William Wilson. No. 1,419,530; date of patent June 13, 1922; disclaimer filed May 16, 1934; v. 443; p. 1.
- Tractor Semitrailer Fifth Wheel Structure. Frederick Malcolm Reid. No. 1,925,279; date of patent, Sept. 5, 1933; disclaimer filed Oct. 10, 1934; v. 447; p. 1004.
- Train-control system, Automatic. Winthrop K. Howe. No. 1,551,515; date of patent Aug. 25, 1925; disclaimer filed Feb. 16, 1934; v. 440; p. 287.

Transformer, High-frequency. William A. MacDonald. No. 1,892,354; date of patent Dec. 27, 1932; disclaimer filed Jan. 15, 1934; v. 438; p. 990.
Transmitter, Automatic. James L. Finch. No. 1,844,950; date of patent Feb. 16, 1932; disclaimer filed July 18, 1934; v. 445; p. 544.
Truck, Railway-car. Karl M. Hamilton. No. 1,801,234; date of patent Apr. 14, 1931; disclaimer filed Dec. 27, 1933; v. 438; p. 534.
Type-setting machine. Frank H. Poeppelmeier. No. 1,975,799; date of patent, Oct. 9, 1934; disclaimer filed Oct. 10, 1934; v. 447; p. 1004.
Valve for organs and the like. William H. Reisner. No. 1,769,966; date of patent July 8, 1930; disclaimer filed March 31, 1934; v. 441; p. 791.

Valve mechanism, Electroresponsive. Nathan L. Mercur. No. 1,871,071; date of patent Aug. 9, 1932; disclaimer filed May 5, 1934; v. 442; p. 1067.
Vehicle. Andrew J. Borst, Jr. No. 1,374,352; date of patent Apr. 12, 1921; disclaimer filed Feb. 17, 1934; v. 440; p. 287.
Vehicle control arrangement. Raymond L. Carr. No. 1,929,409; date of patent Oct. 10, 1933; disclaimer filed August 28, 1934; v. 446; p. 510.
Windshields, Heating attachment for. Alois Holzhauer, jr. No. 1,721,663; date of patent July 23, 1929; disclaimer filed Dec. 11, 1933; v. 438; p. 8.
X-Ray tubes, Mounting for. Charles Fayer. No. 1,874,478; date of patent Aug. 30, 1932; disclaimer filed Mar. 21, 1934; v. 441; p. 260.

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